# Base Load Power Hub (BLPH)

## WELDING REGISTER & RT REPORTS - STRUCTURE

Document Number: 123A90-PML-QC-DB-0004

Document Class: 3

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| 00 | 23/04/2026 | Issue for Information (IFI) | B.Pastorerelli | R.Degli Esposti | R.Degli Esposti |
| Rev. | Date | Description | Prepared | Reviewed | Approved |
| | | | | | |

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## Revision / Change Log

| Rev. | Description |
|---|---|
| 00 | Issue for Information (IFI) |
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# 1 INTRODUCTION AND INSTRUCTIONS FOR USE

This dossier compiles the Ultrasonic Testing (UT) reports and related certificates for the structural components supplied within the BLPH project.

It has been organised to support both structured navigation and efficient, targeted information retrieval.

Guidance on how to consult and interpret the reports—starting from the Welding Register—is provided in the document IDL-PRQ-02 Welding Register & NDT Report Interpretation, attached herein.

NOTE: Whenever the Welding Register indicates:

- Ref. Dossier Scandiuzzi
- Ref. Dossier Cimolai
- Ref. Dossier Sidertaglio

reference shall be made to the document "STRUCTURE WELDING LOG AND NDE REPORTS – EXTERNAL WORKSHOP" (123A90-PML-QC-DB-00014).

This document compiles the Welding Log together with the relevant NDE certificates issued by the above-mentioned suppliers.

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# 2 IDL-PRQ-02 WELDING REGISTER & NDT REPORT INTERPRETATION

*This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy*

| *Rev.* | *Data* | *Descrizione* | *Preparato da* | *Approvato da* |
|---|---|---|---|---|
| 2015-00 | 21.01.2015 | Prima Emissione / First Issue | F. Scialpi | D. Depasquale |
| 2020-00 | 13.01.2020 | General revision | C. Gemignani | D. Depasquale |
| 2023-00 | 23.08.2023 | General revision | A. Galesi | D. Depasquale |
| 2025-00 | 18.09.2025 | General revision | A. Galesi | D. Depasquale |

## 1. SCOPE/SCOPO

*The following instruction provides useful clarifications for reading the print of the weld register relative to the identification of the welds, welder punches, controls, etc.*
*Furthermore, it provides a reading key for some codes indicated in the Non-Destructive Test reports.*

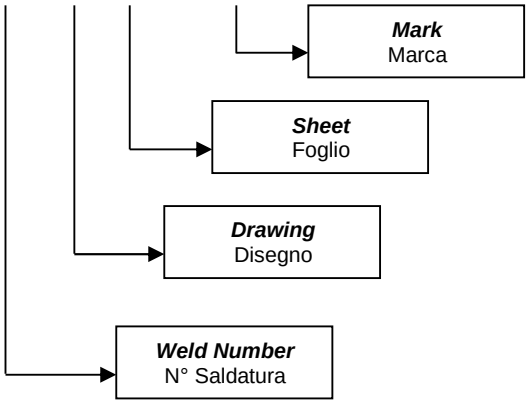
La seguente istruzione fornisce chiarimenti utili per la lettura della stampa del registro saldature relativamente ad identificazione delle saldature, punzoni saldatori, controlli, ecc.
Inoltre, fornisce una chiave di lettura relativamente ad alcuni codici indicati sui report dei Controlli Non Distruttivi.

## 2. ROSETTI WELDS/SALDATURE ROSETTI

*Starting from the construction drawings, with the welds map, issue by Rosetti (see Attached 1A for structures and 1B for piping) it is possible to identify the weld.*
*On the welding register the identification is reported as in the example below.*

Partendo dai disegni costruttivi con la mappa delle saldature emessi da Rosetti (vedi allegato 1A per le strutture e 1B per il piping) è possibile individuare la saldatura.
Sul registro l'identificativo della saldatura è riportato come all'esempio sotto.

**7 / 178 / 1 / DJA006**




*Following the welding number are show: drawing revision, production date, welder stamp, item type (tab. A), item size (it is the size indicated in the descriptive part of the table of materials), thickness (s), geometry of the bevel, welding length, production (prefabrication/erection/offshore), kind of material, WPS, weld technique, connection type and weld acceptance date.*
*Under this string are listed all the checks that must be performed on the weld (tab. B) with specified near the phase, the Job Instruction used, the operator performing the check, the extension, the number the date of the reports, the judgment (tab. C), the length of any repairs and the WPS to execute them.*


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Di seguito al numero di saldatura sono riportati: revisione del disegno, data di produzione, punzone saldatore, tipo pezzo (tab. A), dimensione pezzo (è la misura indicata nella parte descrittiva della tabella materiali), spessore/i, geometria del cianfrino, lunghezza saldatura, fase di produzione (prefabbricazione / montaggio / offshore), tipo di materiale, WPS, tecnica di saldatura, tipo di connessione e la data di accettazione della saldatura.
Sotto questa stringa sono elencati tutti i controlli che devono essere eseguiti sulla saldatura (tab. B) con specificato vicino la fase, l'Istruzione Di Lavoro utilizzata, l'operatore che esegue in controllo, l'estensione, il numero la data dei report, il giudizio (tab. C), la lunghezza di eventuali riparazioni e la WPS per eseguirle.

## 3. ATTACHMENTS/ALLEGATI

1A *Structural drawing* / Disegno Strutturale

1B *Piping drawing* / Disegno Piping

2 *Welding register* / Registro saldature

3 *Code description* / Descrizione codici

- Tab A *Item type* / Tipo pezzo
- Tab B *Non distructive test type* / Tipo controllo non distruttivo
- Tab C *NDT Result* / Esito CND
- Tab D *Indication Type* / Tipo di indicazione

4 *Non destructive test report example* / Esempi di Rapporti controlli non distruttivi

*Dye penetrent* / Liquidi penetranti

*Magnetic particle* / Particelle magnetiche

*Ultrasonic* / Ultrasuoni

*Radiographic* / Radiografico

5 *Ultrasonic test report with indication* / Rapporto Ultrasuoni con indicazione

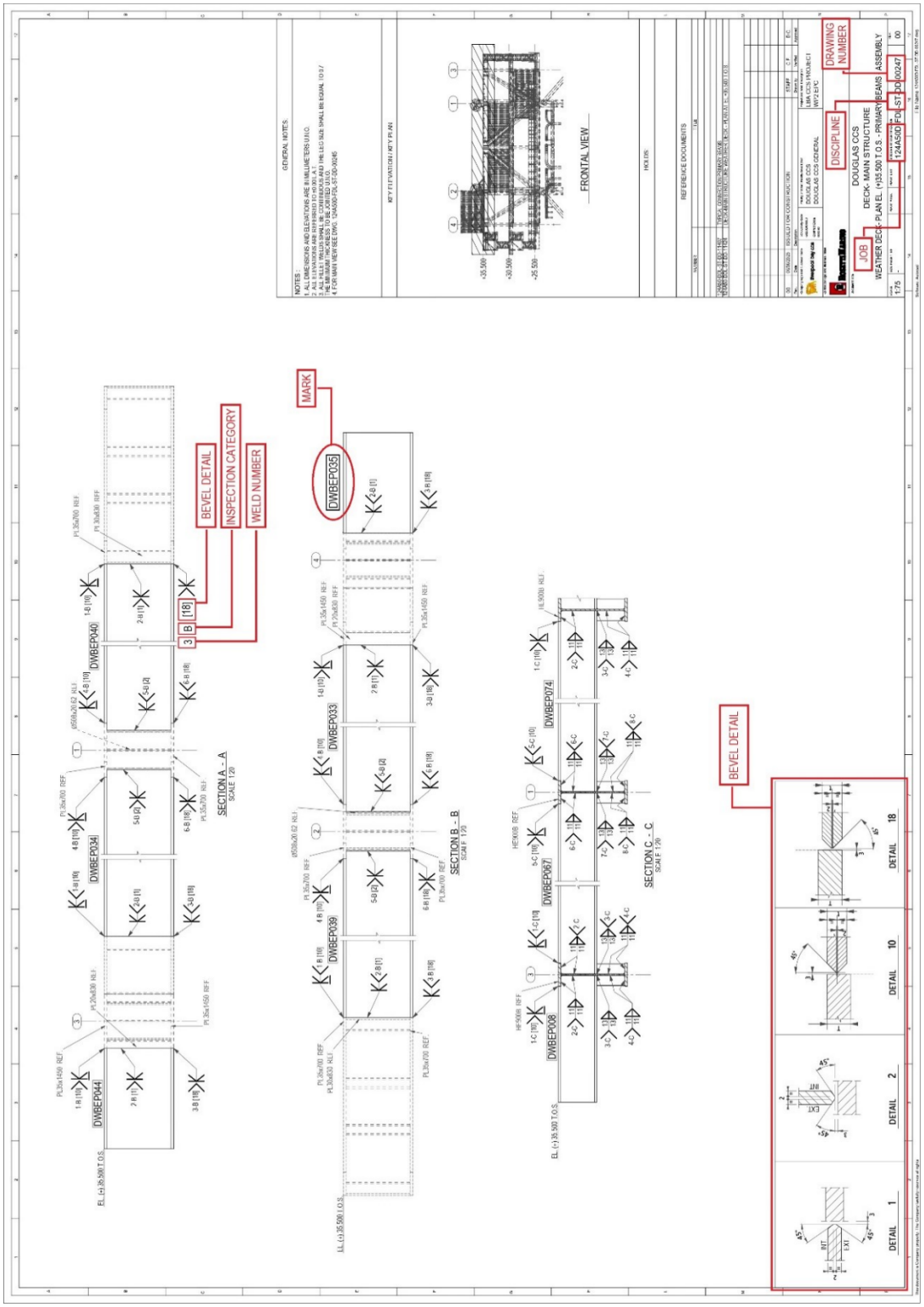
*Indication report (second sheet)* / Rapporto di indicazione (seconda pagina)



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### ATTACHMENT 1A

### Structural Drawing

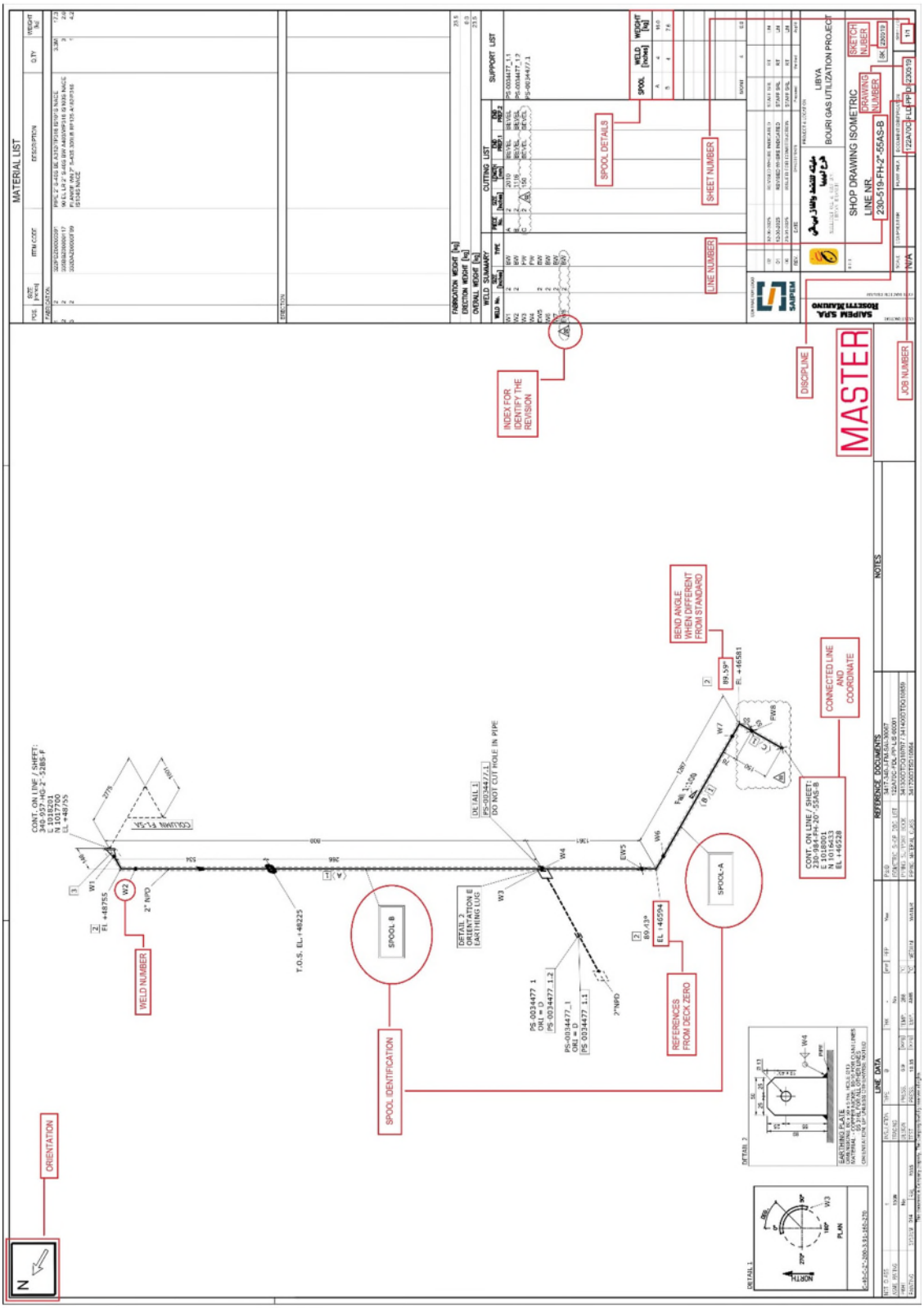





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## ATTACHMENT 1B

## Piping Drawing

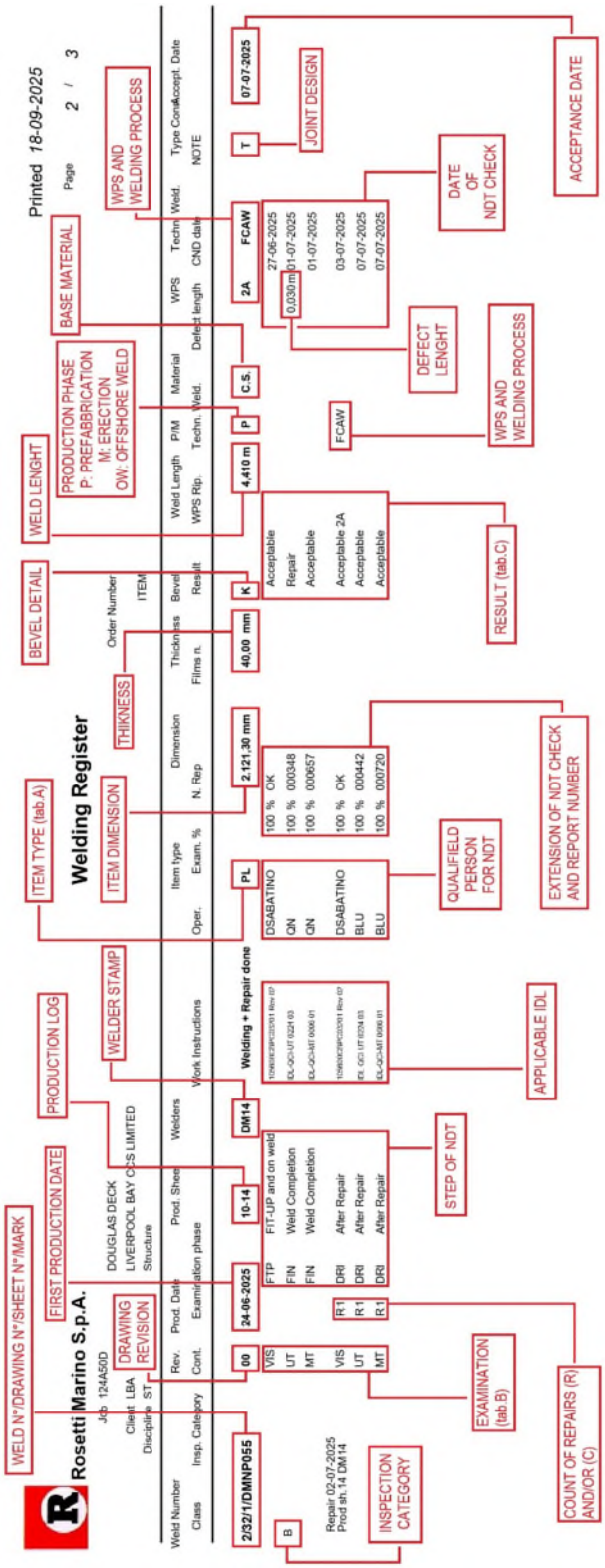





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## ATTACHMENT 2

## Welding Register



**ATTACHMENT 3**

## Code Description

### Tab. A Item type

| Code | Description | | Code | Description |
|---|---|---|---|---|
| ALL | All types of parts | | LTR | Latrolet |
| BOMA | Nozzle | | MAN | Coat |
| BOS | Coupling | | NFL | Nipoflange |
| C | UNP | | NHUN | Nipohub |
| CAP | Cap | | NIPH | Nipple PBE |
| CON | Cone | | NIS | NIP SWA |
| ELB | Elbow | | NPT | Nipolet |
| ELET | Elbolet | | NTOE | Nipple POE |
| FLA | Flange | | PAD | Double plate |
| FLG | Flangeolet | | PIPE | Pipe |
| FLJ | Flange Lap Joint | | PL | Plate |
| FLT | Flatolet | | PLR | Reinforced plate |
| FLW | Flange L.W.N. | | RED | Reduction |
| FMH | Manhole | | SAD | Saddle |
| FSO | Flange Slip-On | | SHS | Square hollow section |
| FSW | Flange Socket Weld | | SK | Skirt |
| FWN | Flange W.N. | | SOC | Sockolet |
| G3P | Three piece joint | | SUP | Support |
| GISO | Insulation joint BW | | SWE | Sweepolet |
| GOB | Half shell | | SYT | Strainer Y-Type |
| GOL | Pad eyes | | T | T Profile |
| HCP | Half coupling | | TC | Plate ghirder |
| HEA | HEA | | TEE | Tee |
| HEAD | Head | | THR | Thredolet |
| HEB | HEB | | TON | Rod steel |
| HEM | HEM | | TQ | Square pipe |
| HUB | Hub | | TRU | Trunnion |
| IPE | IPE | | VAL | Valve |
| IPN | IPE inclined wings | | WFLA | Weldoflange |
| L | L profile | | WHU | Weldohub |
| LET | Thredolet | | WOL | Weldolet |



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## Tab. B Non Destructive Test type

| Code | Description |
|---|---|
| FCN | Ferroxyl Test |
| FET | Ferrite Test |
| HT | Hardness Test |
| IV | Video Inspection |
| LP | Dye penetrant |
| MT | Magnetic Inspection |
| PLF | Proof Load Test |
| PMI | Positive Material identification |
| PPI | Hydraulic Test |
| PPN | Pneumatic Test |
| RT | Radiographic Inspection |
| TT | Post Weld Heat Treatment |
| UT | Ultrasonic Test |
| UTC | UT Chevron Crack |
| UTE | UT AT ENDS |
| UTL | Lamination Check |
| UTP | UT Phased Array |
| UTS | UT Check for Thikness |
| UTT | TU TOFD |
| VCF | Checking Content of Iron Carbon |
| VIS | Visual Inspection |



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## Tab C. NDT Result

| Code | Description | |
|---|---|---|
| A | Acceptable | |
| R | Not Acceptable /Repair | |
| T | Cut | |
| C | Reshoot | Only for Radiographic test |

## Tab. D Indication type

| Code | Description - Descrizione |
|---|---|
| BB | Aligned or series – Allineate o in serie |
| F | Undercut – Incisione |
| AB | Worm hole – Tarlo |
| FA | Superficial irregularity – Irregolarità superficiale |
| CA | Elongate cavity – Cavità allungata |
| CD | Confirm defect – Conferma difetto |
| CI | Irregular weld – Cordone irregolare |
| E | Crack – Cricca |
| BE | Defect of restart – Difetto di ripresa |
| DF | Defect of film – Difetto film |
| BA | Slag inclusion – Inclusioni di scoria |
| AA | Porosity – Porosità |
| F | Indentation or undercut – Solco o incisione |
| EX | Excess penetration – Eccesso di penetrazione |
| SL | Linear misalignment – Slivellamento |
| W | Tungsten inclusion – Inclusioni tungsteno |
| IN | Root concavity – Insellamento |
| C | Lack of fusion – Mancanza di fusione |
| D | Lack of penetration – Mancanza di penetrazione |
| K | Crater – Cratere |
| EA | Longitudinal – Longitudinale |
| EB | Transversal – Trasversale |



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## ATTACHMENT 4

## Report Dye Penetrant Test

ROSETTI MARINO Group of Companies

NDE ACTIVITIES - TEST SHEET

**RAPPORTO ESAME CON LIQUIDI PENETRANTI**
**DYE PENETRANT TEST REPORT**

DATA DELL'ESAME / Examination Date: 12-09-2025
FOGLIO N° / sheet n°: 1 DI / of

| COMMESSA N°/Job No | DISCIPLINA / Discipline | CLIENTE / Client | ORDINE N°/Order N° | PROGETTO/Project |
|---|---|---|---|---|
| 122A70C | PP Piping | SAIPEM SPA / MELLITAH OIL & GAS B.V | 1462567-1463781-1463746 | BOURI GAS UTILIZATION PROJECT |

| PROCEDURA / Procedure | SPECIFICA / Specification | ACCETTABILITA'/Acceptance levels | INSPECTION TEST PAN / ITP No | FASE ITP / Phase |
|---|---|---|---|---|
| 3417-000-Q-PT-SAI-11075 Rev. 03 | 20377.ENG.MME.STD | 20377.ENG.MME.STD Table 5 | 3417-000-Q-QB-SAI-11062 Rev. 02 | / |

| TECNICA DI SALDATURA / Welding process | PROCEDIMENTO DI SALDATURA / WPS | FASE DEL CONTROLLO / Examination phase | TRATTAMENTO TERMICO / PWHT |
|---|---|---|---|
| GTAW | N1A | FIN - Weld Completion | ☐ PRIMA DEL TT / Before PWHT<br>☐ DOPO IL TT / After PWHT<br>☒ NON APPLICABILE / Not Applicable |

| OGGETTO / Object | MATERIALE / Material | TEMPERATURA PEZZO / Piece temperature | ISTRUZIONE DI LAVORO PT / PT Work Instruction |
|---|---|---|---|
| ☐ MAT. BASE / Parent Material ☒ SALDATURA / Weld Metal | ASTM A815 UNS S31803 | 10 °C to 50 °C | IDL-QCI-LP - 0003 Rev. 01 |

**CONDIZIONI DI VISIONE / Viewing conditions**

☒ NATURALE / Natural light ☒ ARTIFICIALE / Artificial light — TIPO ILLUMINATORE / Lighting equipment: LAMP
☐ LAMPADA DI WOOD / Wood Lamp ☐ ALTRO / Other — ILLUMINAZIONE / Lighting intensity: >=1076

**STATO DELLA SUPERFICIE / Surface condition**

☒ COME SALDATO / As welded ☒ SPAZZOLATO / As brushed ☐ LAV. DI MACCHINA / As machined ☐ COME CALANDRATO / As calendered ☐ ALTRO / Other
☐ MOLATO / As ground ☐ COME LAMINATO / As rolled ☐ GREZZO / As forged ☐ VERNICIATO / As painted

| PILITURA PRELIMINARE / Preliminary Cleaning | PULITORE PRELIMINARE (Marca e tipo) / Cleaner (trade and type) | Batch N. |
|---|---|---|
| ☐ ACQUA / Water ☐ STRACCI / Rags ☒ SOLVENTE / Solvent ☐ ALTRO / Other | BC1 (ELITE) | B230905s |

| PENETRANTE (Marca e tipo) Penetrant (trade and type) | Batch N. | APPLICAZIONE PENETRANTE / Penetrant Application |
|---|---|---|
| K71B2p (ELITE) WATER SOLUBLE | 230506hts | Spray |

| RIMOZIONE PENETRANTE / Removal penetrant | PULITORE PENETRANTE (Marca e tipo) Penetrant Remover (trade and type) |
|---|---|
| ☒ ACQUA / Water ☐ STRACCI / Rags ☐ SOLVENTE / Solvent ☐ ALTRO / Other | water + rags |

| RIVELATORE (Marca e tipo) / Developer (trade and type) | Batch N. | ESSICAZIONE / Drying process |
|---|---|---|
| D112A (ELITE) SPRAY | 231220W150s | natural at ambient temperature |

| APPLICAZIONE RIVELATORE / Developer application | TEMPO MINIMO PENETRAZIONE / Minimum Penetrating time (minuti/minutes) |
|---|---|
| Spray | 10 |

| TEMPO DI LETTURA / Checking time (minuti/minutes) | INTERVALLO APPLICAZIONE RIVELATORE/time interval developer application |
|---|---|
| min.10 max 30 | max max 5 minutes |

**PULITORE POST-CONTROLLO / Cleaner after examination**

☒ ACQUA / Water ☒ STRACCI / Rags ☐ SOLVENTE / Solvent ☐ ALTRO / Other

**OGGETTO CONTROLLATO / Object tested**

| Nr. RAPPORTO / Report Nr. | SALDATURA / Weld Number | DISEGNO / FOGLIO / DWG / sheet | MARCA / Mark | DIMENSIONI / Dimension | SPESSORE / Thickness | TIPO DI GIUNTO / Type of joint | LUNGHEZZA CONTROLLATA / Inspected length | ESITO / Result |
|---|---|---|---|---|---|---|---|---|
| 009030 | 8 | 122A70C-FLD-PP-DI- 190053 / 1 | | 12,00 in | 9,53 mm | BW | 1.017 Mt | A |

REPORTS NUMBER & WELD TRACEABILITY

**NOTE / Remarks**

| TECNICO CND Livello 2 / NDT Technician Level 2 | CONTROLLO QUALITA' / Q.C. Supervisor | ISPETTORE CONTRATTISTA / Contractor Repr. | ISPETTORE CLIENTE / Company Repr. | ISPETTORE TERZA PARTE / Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL NTROL snc per Rosetti Marino SpA | Quality Control Dept. Ettore Lolli | | | |

OD-QCI-37 Rev. 2020-00



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## Report Magnetic Test

ROSETTI MARINO Group of Companies

**NDT ACTIVITIES - TEST REPORT**
**RAPPORTO DI ESAME MAGNETOSCOPICO**
**MAGNETIC PARTICLE TEST REPORT**

DATA DELL'ESAME / Examination Date: 03-07-2025
FOGLIO / Sheet n° 1 of

| CLIENTE / Client | COMMESSA N°/Job No | DISCIPLINA / Discipline | ORDINE N°/ Order N° | PROGETTO/Project |
|---|---|---|---|---|
| LIVERPOOL BAY CCS LIMITED | 124A50D | ST Structure | | DOUGLAS DECK |

| CODICE - PROCEDURA Code - Procedure | SPECIFICA Specification | ACCETTABILITA' Acceptance levels | INSPECTION TEST PLAN ITP No | FASE ITP Phase ITP |
|---|---|---|---|---|
| 105600CBPC0320 2 Rev. 02 | 08833.ENG.MME.SDS Rev.7 | 08833.ENG.MME.SDS Rev.7 | 105600CBQB03004 Rev.02 | 9.8 |

| TECNICA DI SALDATURA Welding process | PROC. di SALDATURA WPS | FASE DEL CONTROLLO Examination phase | TRATTAMENTO TERMICO / PWHT |
|---|---|---|---|
| FCAW | 2A | FIN Weld Completion | [ ] PRIMA DEL TT / Before PWHT<br>[ ] DOPO IL TT / After PWHT<br>[X] NON APPLICABILE / Not Applicable |

| OGGETTO Object | MATERIALE Material | TEMPERATURA PEZZO Piece temperature | ISTRUZIONE DI LAVORO MT MT Work Instruction |
|---|---|---|---|
| [ ] MAT. BASE Parent Material [X] SALDATURA Weld Metal | API 5L Gr.X52 EN 10025 S355 J2 | 22°C | IDL-QCI-MT - 0006 Rev. 01 |

**CONDIZIONI DI VISIONE** / Viewing conditions

[X] NATURALE Naturall light [ ] ARTIFICIALE Artificial light
TIPO ILLUMINATORE / Lighting equipment: NONE
[ ] LAMPADA DI WOOD Wood Lamp [ ] ALTRO Other
ILLUMINAZIONE / Lighting intensity: >= 500 Lux

**STATO DELLA SUPERFICIE** / Surface condition

[X] COME SALDATO As welded [X] SPAZZOLATO As brushed [ ] LAVORATO DI MACCHINA As machined [ ] COME CALANDRATO As formed
[ ] MOLATO As ground [ ] COME LAMINATO As rolled [ ] GREZZO As forged [ ] ALTRO Other

**TECNICA DI MAGNETIZZAZIONE** / Magnetization technique

[ ] PUNTALI Prods [X] GIOGO Yoke [ ] BOBINA Coil [ ] CONDUTTORE CENTRALE Neutral Wire [ ] ALTRO Other

| SMAGNETIZZAZIONE FINALE/ Final Demagnetizzazion | CORRENTE/ Current | INTENSITA'/ Intensity |
|---|---|---|
| NOT APPLICABLE | A.C | 2,4+3,9 kA/m S.N.S180423347 |

| DISTANZA PUNTALI / Pole Spacing (mm) | TIPO APPARECCHIO/ Magnetic Equipment | NUMERO DI SERIE / Serial number |
|---|---|---|
| 200 | JAY-PAC 110V | JY1-1173 |

**PARTICELLE MAGNETICHE UTILIZZATE PER L'ISPEZIONE** / Magnetic particles used for inspection

TIPOLOGIA CONTROLLO Examination kind: [ ] SECCO / Dry [X] UMIDO / Wet [ ] FLUORESCENTE/Fluorescent
COLORE Color: [ ] BLU / Blue [ ] ROSSA / Red [X] NERA / Black [ ] ALTRO / Other

| MARCA / Trade | TIPO / Type | Batch N. |
|---|---|---|
| ELITE | BW2 | 7306s |

| VERNICE DI CONTRASTO / Surface contrast paint | MARCA / Trade | TIPO / Type | Batch N. |
|---|---|---|---|
| White | ELITE | WBL5 | U250108s |

**OGGETTO CONTROLLATO** / Object tested

| Nr. RAPPORTO Report Nr. | SALDATURA Weld Number | DISEGNO / Sheet DWG / sheet | MARCA Mark | DIMENSIONI Dimension | SPESSORE Thickness | TIPO DI GIUNTO Type of joint | LUNGHEZZA CONTROLLATA Inspected length | ESITO Result |
|---|---|---|---|---|---|---|---|---|
| 000681 | 7 | 124A50D-FDL-ST-DD- 36 / 1 | DMNP034 | 508,000 mm | 12,70 mm | T | 0,920 Mt | A |
| 000682 | 8 | 124A50D-FDL-ST-DD- 36 / 1 | DMNP034 | 508,000 mm | 12,70 mm | T | 0,920 Mt | A |
| 000683 | 9 | 124A50D-FDL-ST-DD- 36 / 1 | DMNP034 | 508,000 mm | 12,70 mm | T | 0,920 Mt | A |
| 000684 | 10 | 124A50D-FDL-ST-DD- 36 / 1 | DMNP034 | 508,000 mm | 12,70 mm | T | 0,920 Mt | A |

REPORTS NUMBER & WELD TRACEABILITY

NOTE / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' Q.C. Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third party inspector |
|---|---|---|---|---|
| NICO TOMASI Company: CONTRA II Lev MTPT-VT-UTTOFD PA Operatore Tecnico/B UNI EN ISO 9712 | PISTOCCHI ANDREA LEVEL III ISO 9712 VT-PT-MT-RT-UT PAUT TOFD | | | |

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## Report Ultrasonic Test

ROSETTI MARINO Group of Companies

**TEST REPORT - NDT ACTIVITIES**
**RAPPORTO DI ESAME CON ULTRASUONI**
**ULTRASONIC TEST REPORT**

DATA DELL'ESAME / Examination Date: 03-06-2025
FOGLIO / Sheet n° 1 of 1

| COMMESSA / JOB | PROGETTO / Project | CLIENTE / Client | NUMERO ORDINE / Order number | DISCIPLINA / Discipline |
|---|---|---|---|---|
| 124A50D | DOUGLAS DECK | LIVERPOOL BAY CCS LIMITED | | ST Structure |

| CODICE PROCEDURA / Procedure code | CODICE SPECIFICA / Standard Code | ISTRUZIONE DI LAVORO UT / UT Work instruction |
|---|---|---|
| 105600CBPC03205 Rev. 02 | 08833.ENG.MME.SDS Rev.7 | IDL-QCI-UT - 0161 Rev. 00 |

| CRITERIO DI ACCETTABILITÀ / Acceptance criteria | FASE DEL CONTROLLO / Exam. Phase | INSPECTION TEST PLAN / ITP | FASE ITP / ITP Phase |
|---|---|---|---|
| 08833.ENG.MME.SDS Rev.7 | FIN Weld Completion | 105600CBQB03004 Rev. 01 | 9.8 |

| OGGETTO / Object | MATERIALE / Material | TRATTAMENTO TERMICO / Post Weld Heat Treatment |
|---|---|---|
| ☐ MAT. BASE Parent mat. ☒ SALDATURA Weld metal | EN 10025 S355 J2<br>EN 10025 S355 K2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICABILE Not Applicable |

STATO SUPERFICIALE / Surface condition

☒ SALDATO As Welded ☒ SPAZZOLATO As brushed ☐ LAVORATO A MACCHINA As Machined ☐ CLADDATO As cladded ☐ MOLATO As Grounded
☐ LAMINATO As rolled ☐ GREZZO As forged ☐ SABBIATO As Sand Blasted ☐ VERNICIATO As painted ☐ ALTRO Other

| APPARECCHIATURA Equipment | TIPO Type | NUMERO DI SERIE Serial number | LIQUIDO D'ACCOPPIAMENTO Couplant medium | SMORZAMENTO Damping | SOGLIA Reject |
|---|---|---|---|---|---|
| OLYMPUS | EPOCH 600 | 160959009 | Water Metilcellulose | / | / |

| BLOCCO DI CALIBRAZIONE Calibration block | CONTROLLO MATERIALE BASE Parent material inspection | BLOCCO DI RIFERIMENTO Reference block | SENSIBILITÀ DI TARATURA Calibration sensitivity | TECNICA DI CONTROLLO Examination technique | TARATURA SCALA Time base calibration |
|---|---|---|---|---|---|
| B 34 | 100% Acceptable | I.I.W.-V1-V2 | SDH 1,6mm | Reflection | ON DISTANCE |

| COSTRUTTORE SONDA Probe manufacturer | NUMERO DI SERIE Serial number | FREQUENZA Frequency (MHz) | DIMENSIONE Size (mm) | ANGOLO Beams Angle NOMINALE Nominal (°) | ANGOLO Beams Angle EFFETTIVO Actual (°) | EMISS. FASCIO Probe index (mm) | GUADAGNO Gain setting (dB) | SENSIBILITÀ SCANSIONE Scan sensitivity (dB) | PERDITA DI TRASFERIMENTO Transfer correction (dB) | ONDE Wave |
|---|---|---|---|---|---|---|---|---|---|---|
| GE | 5692985714 | 4 | 8x9 | 70° | 70° | 12 | 39.20 | +6 | +4 | SHEAR |
| GE | 73687 | 4 | 8x9 | 60° | 60° | 11 | 36.50 | +6 | +3 | SHEAR |
| GE | 75800 | 4 | 8x9 | 45° | 45° | 10 | 37.30 | +6 | +3 | SHEAR |
| GE (Mat. Base) | 5746350569 | 4 | 3,5x10 | 0° | 0° | / | 39.00 | / | / | LONG |
| GE (Weld ex) | 5746350569 | 4 | 3,5x10 | 0° | 0° | / | 41.00 | +6 | / | LONG |

LO STATO FISICO E L'ASPETTO ESTERNO DELL'APPARECCHIATURA COMBINATA E' STATO VERIFICATO PRIMA DELL'UTILIZZO E RISULTA CONFORME AI REQUISITI APPLICABILI
The combined equipment physical state and external aspect has been checked before using and it complies with the applicable requirements

OGGETTO CONTROLLATO / Tested object

| RAPPORTO Report Nr. | SALDATURA Weld number | DISEGNO / FOGLIO Drawing Nr / Sheet | MARCA Mark | DIMENSIONE PEZZO Item Dimension | Sp. Thk (mm) | WPS | TECNICA DI SALDATURA Welding Process | LUNGHEZZA CONTROLLO Inspected length | ESITO Result |
|---|---|---|---|---|---|---|---|---|---|
| 000086 | 1 | 124A50D-FDL-ST-DD- 7 / 1 | DCNP005 | 700,000 MM | 20,00 | 2A | FCAW | 0.700 Mt | A |
| 000087 | 2 | 124A50D-FDL-ST-DD- 7 / 1 | DCNP005 | 700,000 MM | 20,00 | 2A | FCAW | 0.700 Mt | A |

REPORTS NUMBER & WELD TRACEABILITY

NOTE / Remarks: Piece temperature: from 15°C.

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITÀ Quality Control Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Rep. | ISPETTORE TERZA PARTE Third Part Inspector |
|---|---|---|---|---|
| Company: CONTROL snc<br>Operator: Barchi Luca | ROSETTI MARINO SPA<br>Comandini Massimo<br>Level II NDT<br>EN ISO9712 | | | |

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## Report Radiographic Test

ROSETTI MARINO Group of Companies

NDT ACTIVITIES - TEST REPORT

**RAPPORTO DI ESAME RADIOGRAFICO**
RADIOGRAPHIC TEST REPORT

DATA RAPPORTO / Report Date: 29-07-2025
FOGLIO / sheet n°: 1 of 1

| COMMESSA / Job | PROGETTO / Project | CLIENTE / Client | NUMERO ORDINE / Order number | DISCIPLINA / Discipline |
|---|---|---|---|---|
| 124A50D | DOUGLAS DECK | LIVERPOOL BAY CCS LIMITED | | ST Structure |

| WPS | TECNICA SALD. / Welding Process | CODICE SPECIFICA / Standard Code | CODICE PROCEDURA / Procedure code | ISTRUZ. DI LAVORO RT / RT Work Instruction |
|---|---|---|---|---|
| 1D | GMAW+SAW | 08833.ENG.MME.SDS Rev.7 | 105600CBPC03204 Rev. 02 | IDL-QCI-RT - 0036 Rev. 00 |

| CRITERIO DI ACCETTABILITÀ / Acceptance criteria | INSPECTION TEST PLAN / ITP | FASE ITP / ITP Phase |
|---|---|---|
| 08833.ENG.MME.SDS Rev.7 | 105600CBQB03004 Rev. 02 | / |

| FASE DEL CONTROLLO / Examination Phase | MATERIALE / Material | TRATTAMENTO TERMICO / Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S460 | ☐ PRIMA del TT / Before PWHT ☐ DOPO TT / After PWHT ☒ NON APPLICAB. / Not Applicable |

**RADIOGRAPHIC TECHNIQUE DETAILS**

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | ASTM 1B | Wire n.12 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | Kodak T200 | 2 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica / Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione / Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2,0 - 4,0 | 0,17 | 29-07-2025 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2,5 | 375 mm | 25.00 | 400 mm | 4.00 min. | 1 |

OGGETTO CONTROLLATO / Tested object

COMPONENTE / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000042 | 2 | 124A50D-FDL-ST-DD- 297 | 1 | DSTABB004 | X | 1,220.0 | 25.00 | 0-1 | | A | CB-OS |

REPORT NUMBER & WELD TRACEABILITY

NOTE / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Controllo CONFORME | | | | |

Riccardo Artisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

Operatore: Artisani Riccardo

14 AGO. 2025

MOD-QCI-33 2019-00



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## ATTACHMENT 5

## Report Ultrasonic Test with indication

ROSETTI MARINO Group of Companies

**TEST REPORT - NDT ACTIVITIES**
**RAPPORTO DI ESAME CON ULTRASUONI**
**ULTRASONIC TEST REPORT**

DATA DELL'ESAME / Examination Date: 16-06-2025
FOGLIO / Sheet n° 1 of 2

| COMMESSA / JOB | PROGETTO / Project | CLIENTE / Client | NUMERO ORDINE / Order number | DISCIPLINA / Discipline |
|---|---|---|---|---|
| 124A50D | DOUGLAS DECK | LIVERPOOL BAY CCS LIMITED | | ST Structure |

| CODICE PROCEDURA / Procedure code | CODICE SPECIFICA / Standard Code | ISTRUZIONE DI LAVORO UT / UT Work instruction |
|---|---|---|
| 105600CBPC03205 Rev. 02 | 08833.ENG.MME.SDS Rev.7 | IDL-QCI-UT - 0224 Rev. 03 |

| CRITERIO DI ACCETTABILITÀ / Acceptance criteria | FASE DEL CONTROLLO / Exam. Phase | INSPECTION TEST PLAN / ITP | FASE ITP / ITP Phase |
|---|---|---|---|
| 08833.ENG.MME.SDS Rev.7 | FIN Weld Completion | 105600CBQB03004 Rev. 02 | 9.8 |

| OGGETTO / Object | MATERIALE / Material | TRATTAMENTO TERMICO / Post Weld Heat Treatment |
|---|---|---|
| ☐ MAT. BASE Parent mat. ☒ SALDATURA Weld metal | EN 10025 S355 K2<br>EN 10025 S355 ML0 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICABILE Not Applicable |

STATO SUPERFICIALE / Surface condition

☒ SALDATO As Welded ☒ SPAZZOLATO As brushed ☐ LAVORATO A MACCHINA As Machined ☐ CLADDATO As cladded ☐ MOLATO As Grounded
☐ LAMINATO As rolled ☐ GREZZO As forged ☐ SABBIATO As Sand Blasted ☐ VERNICIATO As painted ☐ ALTRO Other

| APPARECCHIATURA Equipment | TIPO Type | NUMERO DI SERIE Serial number | LIQUIDO D'ACCOPPIAMENTO Couplant medium | SMORZAMENTO Damping | SOGLIA Reject |
|---|---|---|---|---|---|
| KRAUTKRAMER | KKUSM36 | 19027618 | Water Metilcellulose | / | / |

| BLOCCO DI CALIBRAZIONE Calibration block | CONTROLLO MATERIALE BASE Parent material inspection | BLOCCO DI RIFERIMENTO Reference block | SENSIBILITÀ DI TARATURA Calibration sensitivity | TECNICA DI CONTROLLO Examination technique | TARATURA SCALA Time base calibration |
|---|---|---|---|---|---|
| B 34 | 100% Acceptable | I.I.W.-V1-V2 | SDH 1,6mm | Reflection | ON DISTANCE |

| COSTRUTTORE SONDA Probe manufacturer | NUMERO DI SERIE Serial number | FREQUENZA Frequency (MHz) | DIMENSIONE Size (mm) | ANGOLO Beams Angle NOMINALE Nominal (°) | ANGOLO Beams Angle EFFETTIVO Actual (°) | EMISS. FASCIO Probe index (mm) | GUADAGNO Gain setting (dB) | SENSIBILITÀ SCANSIONE Scan sensitivity (dB) | PERDITA DI TRASFERIMENTO Transfer correction (dB) | ONDE Wave |
|---|---|---|---|---|---|---|---|---|---|---|
| GE (MAT BASE) | 73147 | 4 | 3,5x10 | 0° | 0° | / | 37.00 | / | / | LONG |
| GE (Weld ex) | 73147 | 4 | 3,5x10 | 0° | 0° | / | 39.00 | +6 | / | LONG |
| KK | 54483 | 2 | 14x14 | 45° | 45° | 11 | 38.90 | +6 | +4 | SHEAR |
| KK | 54536 | 2 | 14x14 | 60° | 55° | 12 | 40.10 | +6 | +4 | SHEAR |
| KK | 54844 | 2 | 14x14 | 70° | 68° | 12 | 40.30 | +6 | +4 | SHEAR |

LO STATO FISICO E L'ASPETTO ESTERNO DELL'APPARECCHIATURA COMBINATA E' STATO VERIFICATO PRIMA DELL'UTILIZZO E RISULTA CONFORME AI REQUISITI APPLICABILI
The combined equipment physical state and external aspect has been checked before using and it complies with the applicable requirements

OGGETTO CONTROLLATO / Tested object

| RAPPORTO Report Nr. | SALDATURA Weld number | DISEGNO / FOGLIO Drawing Nr / Sheet | MARCA Mark | DIMENSIONE PEZZO Item Dimension | Sp. Thk (mm) | WPS | TECNICA DI SALDATURA Welding Process | LUNGHEZZA CONTROLLO Inspected length | ESITO Result |
|---|---|---|---|---|---|---|---|---|---|
| 000174 | 1 | 124A50D-FDL-ST-DD- 2 / 1 | DCNP020 | 2.121,000 MM | 40,00 | 2M | MCAW | 4.400 Mt | R |

REPORTS NUMBER & WELD TRACEABILITY

RESULT REPAIR

NOTE / Remarks: Piece temperature: from 16°C.
The effective angle is related to the deviation of propagation direction of sound path due to TMCP material.

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITÀ Quality Control Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Rep. | ISPETTORE TERZA PARTE Third Part Inspector |
|---|---|---|---|---|
| NICOLA QUAGLIA CONTROLTECH SNC VT-PT-MT-RT-UT-TOFD/PA Lev. 2 UNI EN ISO 9712 VT-PT-MT-RT-UT-PAUT-TOFD-TKY-TC-1A CSWIP Welding Inspector | PISTOCCHI ANDREA LEVEL III ISO 9712 VT-PT-MT-RT-UT PAUT TOFD | | | |

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**Continued on the second page with the detail of the indication**



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## Indication report

| ROSETTI MARINO | CERTIFICATO D'ESAME CON ULTRASUONI - ULTRASONIC TEST CERTIFICATE | N° 000174 | Pag 2 di 2 |
|---|---|---|---|
| | | Data/date: 16/06/25 | Rev. 0 |
| Progetto / Project | *DOUGLAS DECK* | Commessa / Job | 124A50D |
| Cliente / Client | *LIVERPOOL BAY CCS LIMITED* | Disegno / Dwg. | 2 |

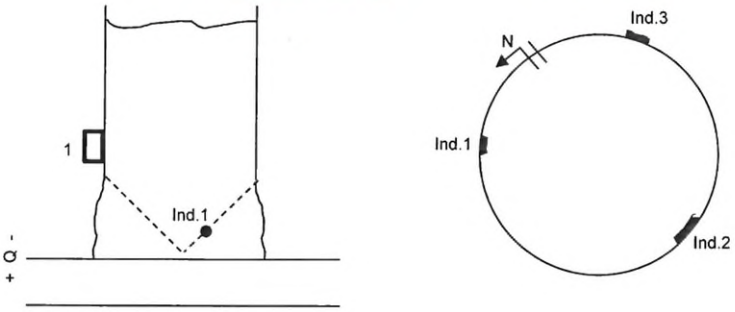
SCHIZZO - Sketch

Scanning Position

1 ☒ 60°
2 ☐
3 ☐
4 ☐
5 ☐
6 ☐
7 ☐

2/DCNP020/ W1 — WELD REFERENCE

CERTIFICATE REFERENCE




| LOCALIZZAZIONE DIFETTI – DEFECTS LOCATION | | | |
|---|---|---|---|
| q | = DISTANZA DIFETTO – ASSE SALDATURA<br>Flaw – Weld axis distance | Δ h | = ALTEZZA DELL'INDICAZIONE<br>Flaw height |
| H | = AMPIEZZA DEL PICCO (o valore "A" AWS)<br>Pitch amplitude /(or indication level "A" AWS) | Δ d | = DISTANZA TRA DUE INDICAZIONI COMPLANARI<br>Distance between two coplanar flaws |
| (N) | = PUNTO DI RIFERIMENTO<br>Reference point | EF | = DIFETTO EQUIVALENTE<br>Equivalent flaw |
| L | = DISTANZA INDICAZIONE DA (N)<br>Flaw distance from (N) | Δ l | = LUNGHEZZA INDICAZIONE<br>Flaw length |
| A/R | = ACCETTABILE / RIPARARE<br>Acceptable / Repair | P | = PROFONDITA' INDICAZIONE<br>Flaw depth |
| P.us | = PERCORSO ULTRASONORO<br>Ultrasonic path | D | = DISTANZA ASSE SONDA – ASSE SALDATURA<br>Sound beam – weld axis distance |

| Ind. Nr | H | EF | Δ l | P | Δ h | q | D | Δ D | L | N | P.us | POS | A/R | Angle Probe | TYPE OF INDICATION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | +6 dB | / | 30 | 28 | / | -15 | / | / | 140 | N | 150 | 1 | R | 55° | PLANAR |
| 2 | +7 dB | / | 290 | 25 | / | -15 | / | / | 1920 | N | 150 | 1 | R | 55° | PLANAR |
| 3 | +6 dB | / | 100 | 20 | / | -15 | / | / | 3700 | N | 150 | 1 | R | 55° | PLANAR |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

Note:

| OPERATORE Operator | CONTROLLO QUALITA' Quality Control | ISPETTORE CLIENTE Company Representative | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|
| NICOLA QUAGLIA QUAGLIA CONTROL SNC VT-PT-MT-RT-UT-TOFD/PA Lev. 2 UNI EN ISO 9712 VT-PT-MT-UT Lev 2 SNT TC-1A CSWIP Welding Inspector | PISTOCCHI ANDREA LEVEL III ISO 9712 VT-PT-MT-RT-UT PAUT-TOFD | | |

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# 3 WELDING REGISTER – RT REPORTS

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# Welding Register

| | | | | | |
|---|---|---|---|---|---|
| **Job** | 123A90 | BASE LOAD POWER HUB (BLPH) | | | |
| **From Discipline** | ST | Structure | | | |
| **To Discipline** | ST | Structure | | | |
| **Drawings** | | **From** | 0 | **To** | 0 |
| **Sheet** | | **From** | 0 | **To** | 0 |
| **Marks** | | **From** | | **To** | |
| **Location** | | **From** | | **To** | |
| **Material** | | **From** | | **To** | |
| **Welds Execution** | | **From** | | **To** | |
| **Welds Acceptance** | | **From** | | **To** | |
| **Report Date** | | **From** | | **To** | |
| **Prefabrication** | All | | | | |
| **Welding Status** | All | | | | |
| **Subcontractor** | | | | | |
| **Subassembly** | | **From** | | **To** | |
| **ITEM** | | | | | |
| **ADDITIONAL PARAMETERS** | **LINE** | **From** | | **To** | |
| | **SPOOL** | **From** | | **To** | |
| | | **From** | | **To** | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90012/1/CWLPG013** | **1** | **08-02-2024** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | | | **BW** | **08-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | |
| **2/90012/1/CWLPG013** | **1** | **08-02-2024** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | | | **BW** | **08-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | |
| **3/90012/1/CWLPG013** | **1** | **08-02-2024** | | | **PL** | **950,00 mm** | **15,00 mm** | **K** | **0,950 m** | **P** | **C.S.** | | | **BW** | **08-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90012** | **Prefabrication** | **1,55 m** | **3 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,55 m** | **3 Nr. Welds** |
| | | **Accepted** | **1,55 m** | **3 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | | Defect length | CND date | NOTE | |
| **1/90013/1/CWLPG014** | | **0** | **07-02-2024** | **5** | **AX25** | **Repair done** | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | | | **BW** | **07-03-2024** |
| I | | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000011 | 2 | Repair | | | | 0,120 m | 19-02-2024 | |
| | | RT | R 1 DRI | After Repair | | IDL-QCI-RT 0036 01 | AA | 10 % | 000029 | 1 | Acceptable | | | | | 28-02-2024 | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | |
| **2/90013/1/CWLPG014** | | **0** | **07-02-2024** | | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | | | **BW** | **19-02-2024** |
| I | | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000010 | 2 | Acceptable | | | | | 19-02-2024 | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | |
| **3/90013/1/CWLPG014** | | **0** | **07-02-2024** | | | | **PL** | **950,00 mm** | **15,00 mm** | **K** | **0,950 m** | **P** | **C.S.** | | | **BW** | **19-02-2024** |
| I | | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000016 | 3 | Acceptable | | | | | 19-02-2024 | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90013** | **Prefabrication** | **1,55 m** | **3 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,55 m** | **3 Nr. Welds** |
| | | **Accepted** | **1,55 m** | **3 Nr. Welds** |
| | | **Repaired** | **0,12 m** | **1 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90022/1/CWLPG023** | **0** | **07-02-2024** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | | **BW** | **07-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | |
| **2/90022/1/CWLPG023** | **0** | **07-02-2024** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | | **BW** | **07-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | |
| **3/90022/1/CWLPG023** | **0** | **07-02-2024** | | | **PL** | | **950,00 mm** | **15,00 mm** | **K** | **0,950 m** | **P** | **C.S.** | | **BW** | **07-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90022** | **Prefabrication** | **1,55 m** | **3 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,55 m** | **3 Nr. Welds** |
| | | **Accepted** | **1,55 m** | **3 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **34/90058/1/CWLNO010** | | **1** | **27-05-2024** | **105** | **AX90** | | **PL** | **142,00 mm** | **25,00 mm** | **1/2V** | **0,800 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **28-05-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **35/90058/1/CWLNO010** | | **1** | **27-05-2024** | **105** | **AX90** | | **PL** | **142,00 mm** | **25,00 mm** | **1/2V** | **0,800 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **28-05-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **36/90058/1/CWLNO010** | | **1** | **27-05-2024** | **105** | **AX90** | | **PL** | **142,00 mm** | **25,00 mm** | **1/2V** | **0,235 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **28-05-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **37/90058/1/CWLNO010** | | **1** | **27-05-2024** | **105** | **AX90** | | **PL** | **142,00 mm** | **25,00 mm** | **1/2V** | **0,235 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **28-05-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **38/90058/1/CWLNO010** | | **1** | **27-05-2024** | **105** | **AX90** | | **PL** | **142,00 mm** | **25,00 mm** | **1/2V** | **0,235 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **28-05-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **39/90058/1/CWLNO010** | | **1** | **27-05-2024** | **105** | **AX90** | | **PL** | **142,00 mm** | **25,00 mm** | **1/2V** | **0,235 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **28-05-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90058** | **Prefabrication** | **2,56 m** | **6 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,56 m** | **6 Nr. Welds** |
| | | **Accepted** | **2,56 m** | **6 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **49/90063/1/CWLNO015** | **1** | **08-02-2024** | | | **PIPE** | **800,00 mm** | **40,00 mm** | **X** | **2,170 m** | **P** | **C.S.** | | | **BW** | **08-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

Ref. dossier SIDERTAGLIO - 1723001835

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90063** | **Prefabrication** | **2,17 m** | **1 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,17 m** | **1 Nr. Welds** |
| | | **Accepted** | **2,17 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | | Defect length | CND date | NOTE | |
| **49/90064/1/CWLNO016** | | **1** | **08-02-2024** | | | | **PIPE** | **800,00 mm** | **40,00 mm** | **X** | **2,170 m** | **P** | **C.S.** | | | **BW** | **08-02-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

Ref. dossier SIDERTAGLIO - 1723001835

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90064** | **Prefabrication** | **2,17 m** | **1 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,17 m** | **1 Nr. Welds** |
| | | **Accepted** | **2,17 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | | Defect length | CND date | NOTE | |
| **49/90065/1/CWLNO017** | | **1** | **08-02-2024** | | | | **PIPE** | **800,00 mm** | **40,00 mm** | **X** | **2,170 m** | **P** | **C.S.** | | | **BW** | **08-02-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

Ref. dossier SIDERTAGLIO - 1723001835

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90065** | **Prefabrication** | **2,17 m** | **1 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,17 m** | **1 Nr. Welds** |
| | | **Accepted** | **2,17 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | | Defect length | CND date | NOTE | |
| **49/90066/1/CWLNO018** | | **1** | **08-02-2024** | | | | **PIPE** | **800,00 mm** | **40,00 mm** | **X** | **2,170 m** | **P** | **C.S.** | | | **BW** | **08-02-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

Ref. dossier SIDERTAGLIO - 1723001835

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90066** | **Prefabrication** | **2,17 m** | **1 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,17 m** | **1 Nr. Welds** |
| | | **Accepted** | **2,17 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **19/90092/1/CWUPG021** | | **3** | **30-04-2024** | **70** | **AX90** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **09-05-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **20/90092/1/CWUPG021** | | **3** | **30-04-2024** | **70** | **AX411** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **09-05-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **21/90092/1/CWUPG021** | | **3** | **30-04-2024** | **70** | **AX90** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **09-05-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **22/90092/1/CWUPG021** | | **3** | **30-04-2024** | **70** | **AX411** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **09-05-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90092** | **Prefabrication** | **1,20 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,20 m** | **4 Nr. Welds** |
| | | **Accepted** | **1,20 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **5/90096/1/CWUPG027** | | **0** | **19-02-2024** | | | **PL** | | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **P** | **C.S.** | | **BW** | **19-02-2024** |
| I | | RT | FIN | Weld Completion | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792/93 | | | | | | | | | | | | | | | | |
| **6/90096/1/CWUPG027** | | **0** | **19-02-2024** | | | **PL** | | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **P** | **C.S.** | | **BW** | **19-02-2024** |
| I | | RT | FIN | Weld Completion | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792/93 | | | | | | | | | | | | | | | | |
| **7/90096/1/CWUPG027** | | **0** | **19-02-2024** | | | **PL** | | **920,00 mm** | **15,00 mm** | **K** | **0,920 m** | **P** | **C.S.** | | **BW** | **19-02-2024** |
| I | | RT | FIN | Weld Completion | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792/93 | | | | | | | | | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90096** | **Prefabrication** | **1,72 m** | **3 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,72 m** | **3 Nr. Welds** |
| | | **Accepted** | **1,72 m** | **3 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **5/90101/1/CWUPG032** | | **2** | **01-03-2024** | **3** | **DM22** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **6/90101/1/CWUPG032** | | **2** | **01-03-2024** | **3** | **DM07** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **7/90101/1/CWUPG032** | | **2** | **01-03-2024** | **3** | **DM22** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **8/90101/1/CWUPG032** | | **2** | **01-03-2024** | **3** | **DM07** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90101** | **Prefabrication** | **1,60 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,60 m** | **4 Nr. Welds** |
| | | **Accepted** | **1,60 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **5/90102/1/CWUPG033** | **2** | **06-03-2024** | **10** | **DM22** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90102/1/CWUPG033** | **2** | **06-03-2024** | **10** | **DM22** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **7/90102/1/CWUPG033** | **2** | **06-03-2024** | **10** | **DM07** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **8/90102/1/CWUPG033** | **2** | **06-03-2024** | **10** | **DM07** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90102** | **Prefabrication** | **1,60 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,60 m** | **4 Nr. Welds** |
| | | **Accepted** | **1,60 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | | |
| **5/90105/1/CWUPG038** | | **2** | **08-03-2024** | **11** | **DM22** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90105/1/CWUPG038** | | **2** | **08-03-2024** | **11** | **DM22** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **7/90105/1/CWUPG038** | | **2** | **08-03-2024** | **11** | **DM07** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **8/90105/1/CWUPG038** | | **2** | **08-03-2024** | **11** | **DM07** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90105** | **Prefabrication** | **2,00 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,00 m** | **4 Nr. Welds** |
| | | **Accepted** | **2,00 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **5/90106/1/CWUPG039** | | **2** | **08-03-2024** | **11** | **DM22** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **6/90106/1/CWUPG039** | | **2** | **08-03-2024** | **11** | **DM22** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **7/90106/1/CWUPG039** | | **2** | **08-03-2024** | **11** | **DM07** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **8/90106/1/CWUPG039** | | **2** | **08-03-2024** | **11** | **DM07** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90106** | **Prefabrication** | **2,00 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,00 m** | **4 Nr. Welds** |
| | | **Accepted** | **2,00 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **5/90107/1/CWUPG040** | | **2** | **01-03-2024** | **6** | **DM09** | | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **6/90107/1/CWUPG040** | | **2** | **01-03-2024** | **6** | **DM09** | | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **7/90107/1/CWUPG040** | | **2** | **01-03-2024** | **6** | **DM09** | | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **8/90107/1/CWUPG040** | | **2** | **01-03-2024** | **6** | **DM09** | | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90107** | **Prefabrication** | **2,00 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,00 m** | **4 Nr. Welds** |
| | | **Accepted** | **2,00 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **5/90108/1/CWUPG041** | **2** | **28-02-2024** | **5** | **DM22** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **6/90108/1/CWUPG041** | **2** | **28-02-2024** | **5** | **DM07** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **7/90108/1/CWUPG041** | **2** | **28-02-2024** | **5** | **DM07** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **8/90108/1/CWUPG041** | **2** | **28-02-2024** | **5** | **DM22** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90108** | **Prefabrication** | **2,00 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,00 m** | **4 Nr. Welds** |
| | | **Accepted** | **2,00 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **3/90113/1/CWLSB044** | | **0** | **27-02-2024** | **11** | **AX25** | | | **PL** | **300,00 mm** | **15,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **29-02-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **3/90113/1/CWLSB045** | | **0** | **23-02-2024** | **9** | **AX90** | | | **PL** | **300,00 mm** | **15,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-03-2024** |
| | III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 5 % | 000052 | 1 | Acceptable | | | | | 04-03-2024 | | |
| **3/90113/1/CWLSB046** | | **0** | **24-02-2024** | **10** | **AX429** | | | **PL** | **300,00 mm** | **15,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-03-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **3/90113/1/CWLSB047** | | **0** | **23-02-2024** | **9** | **AX90** | | | **PL** | **300,00 mm** | **15,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-03-2024** |
| | III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 5 % | 000053 | 1 | Acceptable | | | | | 04-03-2024 | | |
| **3/90113/1/CWLSB048** | | **0** | **22-02-2024** | **8** | **AX429** | | | **PL** | **300,00 mm** | **15,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90113** | **Prefabrication** | **1,50 m** | **5 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,50 m** | **5 Nr. Welds** |
| | | **Accepted** | **1,50 m** | **5 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **3/90114/1/CWLSB049** | **1** | **23-02-2024** | **6** | **AX394** | **PL** | | **300,00 mm** | **15,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90114/1/CWLSB050** | **1** | **04-03-2024** | **20** | **AX427** | **PL** | | **300,00 mm** | **15,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **12-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90114/1/CWLSB051** | **1** | **04-03-2024** | **20** | **AX427** | **PL** | | **300,00 mm** | **15,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90114** | **Prefabrication** | **0,90 m** | **3 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,90 m** | **3 Nr. Welds** |
| | | **Accepted** | **0,90 m** | **3 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **3/90115/1/CWLSB053** | | **0** | **29-02-2024** | **13** | **AX84** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-03-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90115/1/CWLSB054** | | **0** | **22-02-2024** | **8** | **AX426** | | **PL** | **300,00 mm** | **15,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90115/1/CWLSB056** | | **0** | **29-02-2024** | **13** | **AX426** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-03-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90115** | **Prefabrication** | **0,62 m** | **3 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,62 m** | **3 Nr. Welds** |
| | | **Accepted** | **0,62 m** | **3 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **3/90116/1/CWLSB057** | **0** | **27-02-2024** | **11** | **AX25** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **29-02-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90116/1/CWLSB058** | **0** | **06-03-2024** | **34** | **AX73** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **18-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90116/1/CWLSB059** | **0** | **27-02-2024** | **11** | **AX25** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90116/1/CWLSB060** | **0** | **24-02-2024** | **10** | **AX426** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90116/1/CWLSB061** | **0** | **23-02-2024** | **6** | **AX394** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90116** | **Prefabrication** | **0,80 m** | **5 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,80 m** | **5 Nr. Welds** |
| | | **Accepted** | **0,80 m** | **5 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **3/90117/1/CWLSB062** | **2** | **01-03-2024** | **21** | **AX90** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **13-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90117/1/CWLSB063** | **2** | **01-03-2024** | **21** | **AX426** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90117/1/CWLSB064** | **2** | **23-02-2024** | **9** | **AX410** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90117/1/CWLSB072** | **2** | **23-02-2024** | **6** | **AX410** | | **PL** | **300,00 mm** | **15,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90117** | **Prefabrication** | **0,78 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,78 m** | **4 Nr. Welds** |
| | | **Accepted** | **0,78 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **3/90118/1/CWLSB065** | **1** | **01-03-2024** | **21** | **AX90** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90118/1/CWLSB067** | **1** | **01-03-2024** | **21** | **AX90** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **13-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90118/1/CWLSB069** | **1** | **24-02-2024** | **10** | **AX410** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **1/90118/1/CWLSB073** | **1** | **05-03-2024** | **103** | **AX410** | | **PL** | **72,50 mm** | **12,00 mm** | **1/2V** | **0,072 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **2/90118/1/CWLSB073** | **1** | **05-03-2024** | **103** | **AX410** | | **PL** | **72,50 mm** | **12,00 mm** | **1/2V** | **0,072 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **1/90118/1/CWLSB074** | **1** | **01-03-2024** | **83** | **AX429** | | **PL** | **72,50 mm** | **12,00 mm** | **1/2V** | **0,072 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **2/90118/1/CWLSB074** | **1** | **01-03-2024** | **83** | **AX429** | | **PL** | **72,50 mm** | **12,00 mm** | **1/2V** | **0,072 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90118** | **Prefabrication** | **0,48 m** | **3 Nr. Welds** |
| | | **Erection** | **0,28 m** | **4 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,76 m** | **7 Nr. Welds** |
| | | **Accepted** | **0,76 m** | **7 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **3/90119/1/CWLSB066** | | **1** | **01-03-2024** | **21** | **AX426** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-03-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90119/1/CWLSB068** | | **1** | **01-03-2024** | **21** | **AX426** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-03-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90119/1/CWLSB070** | | **1** | **23-02-2024** | **9** | **AX427** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-03-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90119/1/CWLSB071** | | **1** | **23-02-2024** | **9** | **AX427** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90119** | **Prefabrication** | **0,64 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,64 m** | **4 Nr. Welds** |
| | | **Accepted** | **0,64 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90122/1/CWLSB107** | | **0** | **24-02-2024** | **10** | **AX429** | | | **PL** | **72,50 mm** | **12,00 mm** | **1/2V** | **0,076 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-03-2024** |
| | III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 5 % | 000051 | 2 | Acceptable | | | | 04-03-2024 | | | |
| **2/90122/1/CWLSB107** | | **0** | **24-02-2024** | **10** | **AX429** | | | **PL** | **72,60 mm** | **12,00 mm** | **1/2V** | **0,076 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| | III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 5 % | | 1 | Acceptable | | | | | | | |
| **1/90122/1/CWLSB108** | | **0** | **06-03-2024** | **24** | **AX238** | | | **PL** | **72,50 mm** | **12,00 mm** | **1/2V** | **0,076 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **12-03-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **2/90122/1/CWLSB108** | | **0** | **06-03-2024** | **24** | **AX238** | | | **PL** | **72,60 mm** | **12,00 mm** | **1/2V** | **0,076 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **12-03-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **1/90122/1/CWLSB114** | | **0** | **24-02-2024** | **62** | **AX410** | | | **PL** | **72,50 mm** | **12,00 mm** | **1/2V** | **0,076 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **2/90122/1/CWLSB114** | | **0** | **24-02-2024** | **62** | **AX410** | | | **PL** | **72,50 mm** | **12,00 mm** | **1/2V** | **0,076 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **1/90122/1/CWLSB115** | | **0** | **04-03-2024** | **91** | **AX426** | | | **PL** | **72,50 mm** | **12,00 mm** | **1/2V** | **0,076 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-03-2024** |
| | III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000064 | 2 | Acceptable | | | | 12-03-2024 | | | |
| **2/90122/1/CWLSB115** | | **0** | **04-03-2024** | **91** | **AX426** | | | **PL** | **72,50 mm** | **12,00 mm** | **1/2V** | **0,076 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-03-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90122** | **Prefabrication** | **0,32 m** | **4 Nr. Welds** |
| | | **Erection** | **0,32 m** | **4 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,64 m** | **8 Nr. Welds** |
| | | **Accepted** | **0,64 m** | **8 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure
Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **36/90135/1/CWUNO011** | **1** | **04-03-2024** | | | **PIPE** | **800,00 mm** | **30,00 mm** | **K** | **2,512 m** | **P** | **C.S.** | | | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

Ref. dossier SCANDIUZZI - 1723001792 / 93

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90135** | **Prefabrication** | **2,51 m** | **1 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,51 m** | **1 Nr. Welds** |
| | | **Accepted** | **2,51 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | | Defect length | CND date | NOTE | |
| **50/90136/1/CWUNO011** | | **1** | **08-02-2024** | | | | **PIPE** | **800,00 mm** | **30,00 mm** | **X** | **2,950 m** | **P** | **C.S.** | | | **BW** | **08-02-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

Ref. dossier SIDERTAGLIO - 1723001835

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90136** | **Prefabrication** | **2,95 m** | **1 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,95 m** | **1 Nr. Welds** |
| | | **Accepted** | **2,95 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | | Defect length | CND date | NOTE | |
| **51/90138/1/CWUNO012** | | **1** | **08-02-2024** | | | | **PIPE** | **800,00 mm** | **30,00 mm** | **X** | **2,950 m** | **P** | **C.S.** | | | **BW** | **08-02-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

Ref. dossier SIDERTAGLIO - 1723001835

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90138** | **Prefabrication** | **2,95 m** | **1 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,95 m** | **1 Nr. Welds** |
| | | **Accepted** | **2,95 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **51/90140/1/CWUNO013** | **1** | **08-02-2024** | | | **PIPE** | **800,00 mm** | **30,00 mm** | **X** | **2,950 m** | **P** | **C.S.** | | | **BW** | **08-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

Ref. dossier SIDERTAGLIO - 1723001835

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90140** | **Prefabrication** | **2,95 m** | **1 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,95 m** | **1 Nr. Welds** |
| | | **Accepted** | **2,95 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **50/90142/1/CWUNO014** | **1** | **08-02-2024** | | | **PIPE** | **800,00 mm** | **30,00 mm** | **X** | **2,950 m** | **P** | **C.S.** | | | **BW** | **08-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

Ref. dossier SIDERTAGLIO - 1723001835

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90142** | **Prefabrication** | **2,95 m** | **1 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,95 m** | **1 Nr. Welds** |
| | | **Accepted** | **2,95 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **5/90147/1/CWUPG046** | **1** | **07-03-2024** | **9** | **DM22** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-03-2024** |
| | I | RT | FIN | Weld Completion | | 10 % | | | Acceptable | | | | | | |
| **6/90147/1/CWUPG046** | **1** | **07-03-2024** | **9** | **DM22** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-03-2024** |
| | I | RT | FIN | Weld Completion | | 10 % | | | Acceptable | | | | | | |
| **7/90147/1/CWUPG046** | **1** | **07-03-2024** | **9** | **DM07** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-03-2024** |
| | I | RT | FIN | Weld Completion | | 10 % | | | Acceptable | | | | | | |
| **8/90147/1/CWUPG046** | **1** | **07-03-2024** | **9** | **DM07** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-03-2024** |
| | I | RT | FIN | Weld Completion | | 10 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90147** | **Prefabrication** | **1,60 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,60 m** | **4 Nr. Welds** |
| | | **Accepted** | **1,60 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **5/90148/1/CWUPG047** | **1** | **29-02-2024** | **4** | **DM22** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90148/1/CWUPG047** | **1** | **29-02-2024** | **4** | **DM22** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **7/90148/1/CWUPG047** | **1** | **29-02-2024** | **4** | **DM07** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **8/90148/1/CWUPG047** | **1** | **29-02-2024** | **4** | **DM07** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90148** | **Prefabrication** | **1,60 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,60 m** | **4 Nr. Welds** |
| | | **Accepted** | **1,60 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure
Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90167/1/CWUSB017** | III | **0** / RT | **24-05-2024** / FIN | **331** Weld Completion | **AX416** | | | **PL** 5 % | **72,50 mm** | **12,00 mm** | **1/2V** Acceptable | **0,072 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-06-2024** |
| **2/90167/1/CWUSB017** | III | **0** / RT | **24-05-2024** / FIN | **331** Weld Completion | **AX416** | | | **PL** 5 % | **72,50 mm** | **12,00 mm** | **1/2V** Acceptable | **0,072 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-06-2024** |
| **1/90167/1/CWUSB018** | III | **0** / RT | **10-05-2024** / FIN | **280** Weld Completion | **AX414** | IDL-QCI-RT 0036 01 | PR | **PL** 5 % 000115 | **72,50 mm** | **12,00 mm** 1 | **1/2V** Acceptable | **0,072 m** | **M** | **C.S.** | **2A** | **FCAW** 19-05-2024 | **BW** | **19-05-2024** |
| **2/90167/1/CWUSB018** | III | **0** / RT | **10-05-2024** / FIN | **280** Weld Completion | **AX414** | IDL-QCI-RT 0036 01 | AA | **PL** 5 % 000116 | **72,50 mm** | **12,00 mm** 1 | **1/2V** Acceptable | **0,072 m** | **M** | **C.S.** | **2A** | **FCAW** 21-05-2024 | **BW** | **21-05-2024** |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90167** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **0,28 m** | **4 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,28 m** | **4 Nr. Welds** |
| | | **Accepted** | **0,28 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90172/1/CWUSB064** | **0** | **28-05-2024** | **329** | **AX411** | | **PL** | **72,50 mm** | **12,00 mm** | **1/2V** | **0,072 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-06-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **2/90172/1/CWUSB064** | **0** | **28-05-2024** | **329** | **AX411** | | **PL** | **72,50 mm** | **12,00 mm** | **1/2V** | **0,072 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-06-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **1/90172/1/CWUSB065** | **0** | **28-05-2024** | **329** | **AX411** | | **PL** | **72,50 mm** | **12,00 mm** | **1/2V** | **0,072 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-06-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **2/90172/1/CWUSB065** | **0** | **28-05-2024** | **329** | **AX411** | | **PL** | **72,50 mm** | **12,00 mm** | **1/2V** | **0,072 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-06-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90172** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **0,28 m** | **4 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,28 m** | **4 Nr. Welds** |
| | | **Accepted** | **0,28 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type | Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M | Material / Techn. Weld. | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90180/1/CWLPG014** | | **0** | **26-01-2024** | **3** | **AX63** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-01-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90180/1/CWLPG014** | | **0** | **26-01-2024** | **3** | **AX63** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-01-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **3/90180/1/CWLPG014** | | **0** | **26-01-2024** | **3** | **AX63** | | | **PL** | | **950,00 mm** | **15,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-01-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **4/90180/1/CWLPG014** | | **0** | **26-01-2024** | **3** | **AX25** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-01-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90180/1/CWLPG014** | | **0** | **26-01-2024** | **3** | **AX25** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-01-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90180/1/CWLPG014** | | **0** | **26-01-2024** | **3** | **AX25** | | | **PL** | | **950,00 mm** | **15,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-01-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90180/1/CWLPG015** | | **0** | **13-02-2024** | **21** | **AX427** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90180/1/CWLPG015** | | **0** | **13-02-2024** | **21** | **AX427** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **3/90180/1/CWLPG015** | | **0** | **13-02-2024** | **21** | **AX427** | | | **PL** | | **950,00 mm** | **15,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **4/90180/1/CWLPG015** | | **0** | **15-02-2024** | **23** | **AX427** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90180/1/CWLPG015** | | **0** | **15-02-2024** | **23-50** | **AX427** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-03-2024** |
| | | | | | **AX393** | **Repair done** | | | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| | | RT | R 1 DRI | After Repair | | | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **5/90180/1/CWLPG015** | | **0** | **15-02-2024** | **23-50** | **AX427**<br>**AX393** **Repair done** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-03-2024** |
| **1/90180/1/CWLPG016** | | **0** | **12-02-2024** | **18** | **AX63** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90180/1/CWLPG016** | | **0** | **12-02-2024** | **18** | **AX63** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **3/90180/1/CWLPG016** | | **0** | **12-02-2024** | **18** | **AX63** | | **PL** | **950,00 mm** | **15,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **4/90180/1/CWLPG016** | | **0** | **13-02-2024** | **21** | **AX63** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90180/1/CWLPG016** | | **0** | **13-02-2024** | **21** | **AX63** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90180/1/CWLPG017** | | **0** | **13-02-2024** | **21** | **AX25** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90180/1/CWLPG017** | | **0** | **13-02-2024** | **21** | **AX25** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90180/1/CWLPG017** | | **0** | **12-02-2024** | **18** | **AX25** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **7/90180/1/CWLPG017** | | **0** | **12-02-2024** | **18** | **AX25** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **8/90180/1/CWLPG017** | | **0** | **12-02-2024** | **18** | **AX25** | | **PL** | **950,00 mm** | **15,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90180/1/CWLPG018** | **0** | **15-02-2024** | **23** | **AX84** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90180/1/CWLPG018** | **0** | **15-02-2024** | **23** | **AX84** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **6/90180/1/CWLPG018** | **0** | **14-02-2024** | **22** | **AX84** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **7/90180/1/CWLPG018** | **0** | **14-02-2024** | **22** | **AX84** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **8/90180/1/CWLPG018** | **0** | **14-02-2024** | **22** | **AX84** | | **PL** | | **950,00 mm** | **15,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **1/90180/1/CWLPG019** | **0** | **15-02-2024** | **23** | **AX427** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90180/1/CWLPG019** | **0** | **15-02-2024** | **23** | **AX427** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **6/90180/1/CWLPG019** | **0** | **08-02-2024** | | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | |
| **7/90180/1/CWLPG019** | **0** | **08-02-2024** | | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90180/1/CWLPG020** | **0** | **08-02-2024** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |
| **2/90180/1/CWLPG020** | **0** | **08-02-2024** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |
| **6/90180/1/CWLPG020** | **0** | **15-02-2024** | **23** | **AX84** | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **7/90180/1/CWLPG020** | **0** | **15-02-2024** | **23** | **AX84** | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90180/1/CWLPG021** | **0** | **02-01-2024** | **8** | **AX63** | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90180/1/CWLPG021** | **0** | **02-01-2024** | **8** | **AX63** | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90180/1/CWLPG021** | **0** | **08-02-2024** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |
| **7/90180/1/CWLPG021** | **0** | **08-02-2024** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05

ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type | Exam. % | Dimension | N. Rep | Thickness | Films n. | Bevel | Result | Weld Length | WPS Rip. | P/M | Material | Techn. Weld. | WPS | Defect length | Techn. Weld. | CND date | Type Conn | NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90180/1/CWLPG022** | | **0** | **08-02-2024** | | | | | **PL** | | **300,00 mm** | | **25,00 mm** | | **1/2V** | | **0,300 m** | | **M** | **C.S.** | | | | | | **BW** | **08-02-2024** |
| I | | RT | FIN | Weld Completion | | | | | 10 % | | | | | | Acceptable | | | | | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **2/90180/1/CWLPG022** | | **0** | **07-02-2024** | **50** | **AX25** | **Repair done** | | **PL** | | **300,00 mm** | | **25,00 mm** | | **1/2V** | | **0,300 m** | | **M** | **C.S.** | | | | | | **BW** | **07-03-2024** |
| I | | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | | 10 % | 000012 | | 2 | | Repair | | | | | | | | 0,060 m | 19-02-2024 | | | |
| | | RT | R1 DRI | After Repair | | IDL-QCI-RT 0036 01 | AA | | 10 % | 000025 | | 2 | | Acceptable | | | | | | | | | 26-02-2024 | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **6/90180/1/CWLPG022** | | **0** | **06-02-2024** | **11** | **AX25** | | | **PL** | | **300,00 mm** | | **25,00 mm** | | **1/2V** | | **0,300 m** | | **M** | **C.S.** | | **2A** | | **FCAW** | | **BW** | **09-02-2024** |
| I | | RT | FIN | Weld Completion | | | | | 10 % | | | | | | Acceptable | | | | | | | | | | | |
| **7/90180/1/CWLPG022** | | **0** | **06-02-2024** | **11** | **AX25** | | | **PL** | | **300,00 mm** | | **25,00 mm** | | **1/2V** | | **0,300 m** | | **M** | **C.S.** | | **2A** | | **FCAW** | | **BW** | **09-02-2024** |
| I | | RT | FIN | Weld Completion | | | | | 10 % | | | | | | Acceptable | | | | | | | | | | | |
| **1/90180/1/CWLPG023** | | **0** | **07-02-2024** | **13** | **AX63** | | | **PL** | | **300,00 mm** | | **25,00 mm** | | **1/2V** | | **0,300 m** | | **M** | **C.S.** | | **2A** | | **FCAW** | | **BW** | **09-02-2024** |
| I | | RT | FIN | Weld Completion | | | | | 10 % | | | | | | Acceptable | | | | | | | | | | | |
| **2/90180/1/CWLPG023** | | **0** | **07-02-2024** | **13** | **AX63** | | | **PL** | | **300,00 mm** | | **25,00 mm** | | **1/2V** | | **0,300 m** | | **M** | **C.S.** | | **2A** | | **FCAW** | | **BW** | **09-02-2024** |
| I | | RT | FIN | Weld Completion | | | | | 10 % | | | | | | Acceptable | | | | | | | | | | | |
| **3/90180/1/CWLPG023** | | **0** | **07-02-2024** | **13** | **AX63** | | | **PL** | | **950,00 mm** | | **15,00 mm** | | **K** | | **0,950 m** | | **M** | **C.S.** | | **2A** | | **FCAW** | | **BW** | **09-02-2024** |
| I | | RT | FIN | Weld Completion | | | | | 10 % | | | | | | Acceptable | | | | | | | | | | | |
| **4/90180/1/CWLPG023** | | **0** | **07-02-2024** | **13** | **AX25** | | | **PL** | | **300,00 mm** | | **25,00 mm** | | **1/2V** | | **0,300 m** | | **M** | **C.S.** | | **2A** | | **FCAW** | | **BW** | **09-02-2024** |
| I | | RT | FIN | Weld Completion | | | | | 10 % | | | | | | Acceptable | | | | | | | | | | | |
| **5/90180/1/CWLPG023** | | **0** | **07-02-2024** | **13** | **AX25** | | | **PL** | | **300,00 mm** | | **25,00 mm** | | **1/2V** | | **0,300 m** | | **M** | **C.S.** | | **2A** | | **FCAW** | | **BW** | **09-02-2024** |
| I | | RT | FIN | Weld Completion | | | | | 10 % | | | | | | Acceptable | | | | | | | | | | | |
| **6/90180/1/CWLPG023** | | **0** | **07-02-2024** | **13** | **AX25** | | | **PL** | | **950,00 mm** | | **15,00 mm** | | **K** | | **0,950 m** | | **M** | **C.S.** | | **2A** | | **FCAW** | | **BW** | **09-02-2024** |
| I | | RT | FIN | Weld Completion | | | | | 10 % | | | | | | Acceptable | | | | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90180/1/CWLPG031** | | **0** | **24-01-2024** | **1** | **AX63** | | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-01-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90180/1/CWLPG031** | | **0** | **24-01-2024** | **1** | **AX63** | | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-01-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90180/1/CWLPG031** | | **0** | **07-02-2024** | **50** | **AX25** | **Repair done** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | | | **BW** | **07-03-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000013 | 2 | Repair | | | | 0,010 m | 19-02-2024 | | |
| | | RT | R 1 DRI | After Repair | | IDL-QCI-RT 0036 01 | AA | 10 % | 000027 | 2 | Acceptable | | | | | 26-02-2024 | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | |
| **7/90180/1/CWLPG031** | | **0** | **07-02-2024** | | | | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | | | **BW** | **19-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000014 | 2 | Acceptable | | | | | 19-02-2024 | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | |
| **1/90180/1/CWLPG038** | | **0** | **07-02-2024** | | | | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | | | **BW** | **07-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | |
| **2/90180/1/CWLPG038** | | **0** | **07-02-2024** | | | | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | | | **BW** | **19-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000015 | 2 | Acceptable | | | | | 19-02-2024 | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | |
| **6/90180/1/CWLPG038** | | **0** | **24-01-2024** | **1** | **AX25** | | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-01-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **7/90180/1/CWLPG038** | | **0** | **24-01-2024** | **1** | **AX25** | | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-01-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90180** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **21,60 m** | **56 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **21,60 m** | **56 Nr. Welds** |
| | | **Accepted** | **21,60 m** | **56 Nr. Welds** |
| | | **Repaired** | **0,07 m** | **2 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90181/1/CWLNO010** | | **1** | **27-05-2024** | **328** | **AX90** | | | **PL** | **142,00 mm** | **25,00 mm** | **1/2V** | **0,130 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-06-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90181/1/CWLNO010** | | **1** | **27-05-2024** | **328** | **AX90** | | | **PL** | **142,00 mm** | **25,00 mm** | **1/2V** | **0,130 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-06-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **3/90181/1/CWLNO010** | | **1** | **27-05-2024** | **328** | **AX90** | | | **PL** | **142,00 mm** | **25,00 mm** | **1/2V** | **0,130 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-06-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **4/90181/1/CWLNO010** | | **1** | **27-05-2024** | **328** | **AX90** | | | **PL** | **142,00 mm** | **25,00 mm** | **1/2V** | **0,130 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-06-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90181/1/CWLPG013** | | **1** | **13-02-2024** | **21** | **AX426** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90181/1/CWLPG013** | | **1** | **13-02-2024** | **21** | **AX426** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **3/90181/1/CWLPG013** | | **1** | **13-02-2024** | **21** | **AX426** | | | **PL** | **950,00 mm** | **15,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **4/90181/1/CWLPG013** | | **1** | **16-02-2024** | **26** | **AX84** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000049 | 2 | Acceptable | | | | | 01-03-2024 | | |
| **5/90181/1/CWLPG013** | | **1** | **16-02-2024** | **26** | **AX84** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-03-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 10 % | 000058 | 2 | Acceptable | | | | | 05-03-2024 | | |
| **6/90181/1/CWLPG013** | | **1** | **16-02-2024** | **26** | **AX84** | | | **PL** | **950,00 mm** | **15,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000050 | 3 | Acceptable | | | | | 01-03-2024 | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Cons / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90181/1/CWLPG035** | | **1** | **08-02-2024** | | | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | |
| **2/90181/1/CWLPG035** | | **1** | **08-02-2024** | | | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | |
| **3/90181/1/CWLPG035** | | **1** | **08-02-2024** | | | | | **PL** | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | |
| **4/90181/1/CWLPG035** | | **1** | **25-01-2024** | **2** | **AX63** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-01-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90181/1/CWLPG035** | | **1** | **25-01-2024** | **2** | **AX63** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-01-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90181/1/CWLPG037** | | **1** | **12-02-2024** | **17** | **AX426** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000020 | 2 | Acceptable | | | | | 21-02-2024 | | |
| **2/90181/1/CWLPG037** | | **1** | **12-02-2024** | **17** | **AX426** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000021 | 2 | Acceptable | | | | | 21-02-2024 | | |
| **6/90181/1/CWLPG037** | | **1** | **08-02-2024** | | | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | |
| **7/90181/1/CWLPG037** | | **1** | **08-02-2024** | | | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | |
| **8/90181/1/CWLPG037** | | **1** | **08-02-2024** | | | | | **PL** | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | | Defect length | CND date | NOTE | |
| **8/90181/1/CWLPG037** | | **1** | **08-02-2024** | | | | **PL** | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |
| **1/90181/1/CWLPG039** | | **1** | **16-02-2024** | **26** | **AX393** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 10 % | 000046 | 2 | Acceptable | | | | | 01-03-2024 | | |
| **2/90181/1/CWLPG039** | | **1** | **16-02-2024** | **26** | **AX393** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 10 % | 000047 | 2 | Acceptable | | | | | 01-03-2024 | | |
| **1/90181/1/CWLPG040** | | **1** | **08-02-2024** | | | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |
| **2/90181/1/CWLPG040** | | **1** | **08-02-2024** | | | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |
| **6/90181/1/CWLPG040** | | **1** | **15-02-2024** | **25** | **AX393** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 10 % | 000045 | 2 | Acceptable | | | | | 01-03-2024 | | |
| **7/90181/1/CWLPG040** | | **1** | **15-02-2024** | **25-119** | **AX393** | **Welding + Repair done** | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **18-03-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 10 % | 000048 | 2 | Repair | | | | 0,120 m | 01-03-2024 | | |
| | | RT | R 1 DRI | After Repair | IDL-QCI-RT 0036 01 | PR | 10 % | 000059 | 2 | Acceptable | | | | | 11-03-2024 | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90181/1/CWLPG041** | | **1** | **16-02-2024** | **26** | **AX426** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-03-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | PR | 10 % | 000056 | 2 | Acceptable | | | | | 05-03-2024 | | |
| **2/90181/1/CWLPG041** | | **1** | **16-02-2024** | **26-119** | **AX426** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **18-03-2024** |
| | | | | | **AX90** **Repair done** | | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | PR | 10 % | 000057 | 2 | Repair | | | | 0,012 m | 05-03-2024 | | |
| | | RT | R 1 DRI | After Repair | IDL-QCI-RT 0036 01 | PR | 10 % | 000060 | 2 | Acceptable | | | | | 11-03-2024 | | |
| **6/90181/1/CWLPG041** | | **1** | **08-02-2024** | | | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |
| **7/90181/1/CWLPG041** | | **1** | **08-02-2024** | | | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |
| **1/90181/1/CWLPG043** | | **1** | **08-02-2024** | | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |
| **2/90181/1/CWLPG043** | | **1** | **08-02-2024** | | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |
| **3/90181/1/CWLPG043** | | **1** | **08-02-2024** | | | | **PL** | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |
| **4/90181/1/CWLPG043** | | **1** | **12-02-2024** | **17** | **AX427** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90181/1/CWLPG043** | | **1** | **12-02-2024** | **17** | **AX427** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Class | Insp. Category | Rev. | Cont. | Prod. Date | Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type | Exam. % | Dimension | N. Rep | Thickness | Films n. | Bevel | Result | Weld Length | WPS Rip. | P/M | Material | Techn. Weld. | WPS | Defect length | Techn. Weld. | CND date | Type Conn | NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **5/90181/1/CWLPG043** | | | **1** | | **12-02-2024** | | **17** | **AX427** | | | **PL** | | **400,00 mm** | | **25,00 mm** | | **1/2V** | | **0,400 m** | | **M** | **C.S.** | | **2A** | | **FCAW** | | **BW** | **14-02-2024** |
| **6/90181/1/CWLPG043** | | | **1** | | **12-02-2024** | | **17** | **AX427** | | | **PL** | | **950,00 mm** | | **20,00 mm** | | **K** | | **0,950 m** | | **M** | **C.S.** | | **2A** | | **FCAW** | | **BW** | **14-02-2024** |
| | I | RT | | FIN | | Weld Completion | | | | | | 10 % | | | | | | Acceptable | | | | | | | | | | | |
| **1/90181/1/CWLPG045** | | | **1** | | **12-02-2024** | | **17** | **AX63** | | | **PL** | | **400,00 mm** | | **25,00 mm** | | **1/2V** | | **0,400 m** | | **M** | **C.S.** | | **2A** | | **FCAW** | | **BW** | **14-02-2024** |
| | I | RT | | FIN | | Weld Completion | | | | | | 10 % | | | | | | Acceptable | | | | | | | | | | | |
| **2/90181/1/CWLPG045** | | | **1** | | **12-02-2024** | | **17** | **AX63** | | | **PL** | | **400,00 mm** | | **25,00 mm** | | **1/2V** | | **0,400 m** | | **M** | **C.S.** | | **2A** | | **FCAW** | | **BW** | **14-02-2024** |
| | I | RT | | FIN | | Weld Completion | | | | | | 10 % | | | | | | Acceptable | | | | | | | | | | | |
| **3/90181/1/CWLPG045** | | | **1** | | **12-02-2024** | | **17** | **AX63** | | | **PL** | | **950,00 mm** | | **20,00 mm** | | **K** | | **0,950 m** | | **M** | **C.S.** | | **2A** | | **FCAW** | | **BW** | **14-02-2024** |
| | I | RT | | FIN | | Weld Completion | | | | | | 10 % | | | | | | Acceptable | | | | | | | | | | | |
| **4/90181/1/CWLPG045** | | | **1** | | **08-02-2024** | | | | | | **PL** | | **400,00 mm** | | **25,00 mm** | | **1/2V** | | **0,400 m** | | **M** | **C.S.** | | | | | | **BW** | **08-02-2024** |
| | I | RT | | FIN | | Weld Completion | | | | | | 10 % | | | | | | Acceptable | | | | | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **5/90181/1/CWLPG045** | | | **1** | | **08-02-2024** | | | | | | **PL** | | **400,00 mm** | | **25,00 mm** | | **1/2V** | | **0,400 m** | | **M** | **C.S.** | | | | | | **BW** | **08-02-2024** |
| | I | RT | | FIN | | Weld Completion | | | | | | 10 % | | | | | | Acceptable | | | | | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **6/90181/1/CWLPG045** | | | **1** | | **08-02-2024** | | | | | | **PL** | | **950,00 mm** | | **20,00 mm** | | **K** | | **0,950 m** | | **M** | **C.S.** | | | | | | **BW** | **08-02-2024** |
| | I | RT | | FIN | | Weld Completion | | | | | | 10 % | | | | | | Acceptable | | | | | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90181/1/CWLPG046** | | **1** | **08-02-2024** | **14** | **AX63** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000001 | 2 | Acceptable | | | | | 15-02-2024 | | |
| **2/90181/1/CWLPG046** | | **1** | **08-02-2024** | **14** | **AX63** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000002 | 2 | Acceptable | | | | | 15-02-2024 | | |
| **3/90181/1/CWLPG046** | | **1** | **08-02-2024** | **14** | **AX63** | | | **PL** | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000005 | 3 | Acceptable | | | | | 15-02-2024 | | |
| **4/90181/1/CWLPG046** | | **1** | **09-02-2024** | **16** | **AX63** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 10 % | 000008 | 2 | Acceptable | | | | | 16-02-2024 | | |
| **5/90181/1/CWLPG046** | | **1** | **09-02-2024** | **16** | **AX63** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000017 | 2 | Acceptable | | | | | 20-02-2024 | | |
| **6/90181/1/CWLPG046** | | **1** | **09-02-2024** | **16** | **AX63** | | | **PL** | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000019 | 2 | Acceptable | | | | | 20-02-2024 | | |
| **1/90181/1/CWLPG047** | | **1** | **13-02-2024** | **19** | **AX427** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90181/1/CWLPG047** | | **1** | **13-02-2024** | **19** | **AX427** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **3/90181/1/CWLPG047** | | **1** | **13-02-2024** | **19** | **AX427** | | | **PL** | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **4/90181/1/CWLPG047** | | **1** | **13-05-2024** | **290** | **AX425** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-05-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90181/1/CWLPG047** | | **1** | **13-05-2024** | **290** | **AX425** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-05-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 10 % | 000121 | 2 | Acceptable | | | | | 29-05-2024 | | |
| **6/90181/1/CWLPG047** | | **1** | **13-05-2024** | **290** | **AX425** | | | **PL** | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-05-2024** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure
Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **6/90181/1/CWLPG047** | **1** | **13-05-2024** | **290** | **AX425** | | **PL** | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-05-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90181** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **24,42 m** | **54 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **24,42 m** | **54 Nr. Welds** |
| | | **Accepted** | **24,42 m** | **54 Nr. Welds** |
| | | **Repaired** | **0,13 m** | **2 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90182/1/CWLPG002** | **0** | **29-01-2024** | **4** | **AX63** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-01-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90182/1/CWLPG002** | **0** | **29-01-2024** | **4** | **AX63** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-01-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **6/90182/1/CWLPG002** | **0** | **30-01-2024** | **5** | **AX63** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **7/90182/1/CWLPG002** | **0** | **30-01-2024** | **5** | **AX63** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **1/90182/1/CWLPG003** | **0** | **14-02-2024** | **24** | **AX393** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90182/1/CWLPG003** | **0** | **14-02-2024** | **24** | **AX393** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **6/90182/1/CWLPG003** | **0** | **13-02-2024** | **19** | **AX426** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **7/90182/1/CWLPG003** | **0** | **13-02-2024** | **19** | **AX426** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90182/1/CWLPG005** | **0** | **31-01-2024** | **7** | **AX63** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90182/1/CWLPG005** | **0** | **31-01-2024** | **7** | **AX63** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **3/90182/1/CWLPG005** | **0** | **31-01-2024** | **7** | **AX63** | | **PL** | | **950,00 mm** | **15,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **4/90182/1/CWLPG005** | **0** | **02-02-2024** | **9** | **AX25** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **5/90182/1/CWLPG005** | **0** | **02-02-2024** | **9** | **AX25** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **1/90182/1/CWLPG009** | **0** | **06-02-2024** | **12** | **AX63** | | **PL** | | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90182/1/CWLPG009** | **0** | **06-02-2024** | **12** | **AX63** | | **PL** | | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Cont. | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90182/1/CWLPG010** | | **0** | **11-05-2024** | **288** | **AX425** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-05-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90182/1/CWLPG010** | | **0** | **11-05-2024** | **288** | **AX425** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-05-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 10 % | 000118 | 2 | Acceptable | | | | | 29-05-2024 | | |
| **1/90182/1/CWLPG011** | | **0** | **05-02-2024** | **10** | **AX63** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90182/1/CWLPG011** | | **0** | **05-02-2024** | **10** | **AX63** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90182/1/CWLPG011** | | **0** | **02-01-2024** | **8** | **AX25** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **7/90182/1/CWLPG011** | | **0** | **02-01-2024** | **8** | **AX25** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90182/1/CWLPG012** | | **0** | **16-02-2024** | **28** | **AX427** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90182/1/CWLPG012** | | **0** | **16-02-2024** | **28** | **AX427** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **23-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90182/1/CWLPG012** | | **0** | **13-05-2024** | **287** | **AX425** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-05-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **7/90182/1/CWLPG012** | | **0** | **13-05-2024** | **287** | **AX425** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-05-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 10 % | 000119 | 2 | Acceptable | | | | | 29-05-2024 | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90182/1/CWLPG027** | **0** | **13-02-2024** | **21** | **AX426** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90182/1/CWLPG027** | **0** | **13-02-2024** | **21** | **AX426** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90182/1/CWLPG027** | **0** | **15-02-2024** | **23** | **AX427** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **7/90182/1/CWLPG027** | **0** | **15-02-2024** | **23** | **AX427** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **8/90182/1/CWLPG027** | **0** | **15-02-2024** | **23** | **AX427** | | **PL** | **950,00 mm** | **15,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90182/1/CWLPG028** | **0** | **15-02-2024** | **23** | **AX426** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90182/1/CWLPG028** | **0** | **15-02-2024** | **23** | **AX426** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90182/1/CWLPG028** | **0** | **16-02-2024** | **28** | **AX427** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **7/90182/1/CWLPG028** | **0** | **16-02-2024** | **28** | **AX427** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **23-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90182/1/CWLPG029** | | **0** | **13-02-2024** | **21** | **AX393** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90182/1/CWLPG029** | | **0** | **13-02-2024** | **21** | **AX393** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **6/90182/1/CWLPG029** | | **0** | **15-02-2024** | **23** | **AX426** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **7/90182/1/CWLPG029** | | **0** | **15-02-2024** | **23** | **AX426** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90182** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **13,30 m** | **38 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **13,30 m** | **38 Nr. Welds** |
| | | **Accepted** | **13,30 m** | **38 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90183/1/CWLPG001** | **0** | **29-01-2024** | **4** | **AX25** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-01-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90183/1/CWLPG001** | **0** | **29-01-2024** | **4** | **AX25** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-01-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **6/90183/1/CWLPG001** | **0** | **29-01-2024** | **4** | **AX25** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-01-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **7/90183/1/CWLPG001** | **0** | **29-01-2024** | **4** | **AX25** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-01-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **1/90183/1/CWLPG004** | **0** | **13-02-2024** | **19** | **AX393** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90183/1/CWLPG004** | **0** | **13-02-2024** | **19** | **AX393** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **6/90183/1/CWLPG004** | **0** | **16-02-2024** | **28** | **AX393** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **7/90183/1/CWLPG004** | **0** | **16-02-2024** | **28** | **AX393** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cont. | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90183/1/CWLPG006** | **0** | **31-01-2024** | **7** | **AX25** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-02-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | | |
| **2/90183/1/CWLPG006** | **0** | **31-01-2024** | **7** | **AX25** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-02-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | | |
| **6/90183/1/CWLPG006** | **0** | **30-01-2024** | **6** | **AX25** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-02-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | | |
| **7/90183/1/CWLPG006** | **0** | **30-01-2024** | **6** | **AX25** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-02-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | | |
| **1/90183/1/CWLPG007** | **0** | **06-02-2024** | **12** | **AX25** | | | **PL** | | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-02-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | | |
| **2/90183/1/CWLPG007** | **0** | **06-02-2024** | **12** | **AX25** | | | **PL** | | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-02-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | | |
| **1/90183/1/CWLPG008** | **0** | **11-05-2024** | **285** | **AX411** | | | **PL** | | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-05-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | | |
| **2/90183/1/CWLPG008** | **0** | **11-05-2024** | **285** | **AX411** | | | **PL** | | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-05-2024** |
| I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 10 % | 000120 | 2 | Acceptable | | | | | 29-05-2024 | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90183/1/CWLPG024** | **0** | **29-01-2024** | **4** | **AX63** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-01-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90183/1/CWLPG024** | **0** | **29-01-2024** | **4** | **AX63** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-01-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **6/90183/1/CWLPG024** | **0** | **30-01-2024** | **6** | **AX63** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **7/90183/1/CWLPG024** | **0** | **30-01-2024** | **6** | **AX63** | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **1/90183/1/CWLPG025** | **0** | **05-02-2024** | **10** | **AX25** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90183/1/CWLPG025** | **0** | **05-02-2024** | **10** | **AX25** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **3/90183/1/CWLPG025** | **0** | **05-02-2024** | **10** | **AX25** | | **PL** | **950,00 mm** | **15,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **4/90183/1/CWLPG025** | **0** | **30-01-2024** | **5** | **AX25** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **5/90183/1/CWLPG025** | **0** | **30-01-2024** | **5** | **AX25** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90183/1/CWLPG026** | | **0** | **16-02-2024** | **28** | **AX393** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90183/1/CWLPG026** | | **0** | **16-02-2024** | **28** | **AX393** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90183/1/CWLPG026** | | **0** | **13-02-2024** | **21** | **AX84** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **7/90183/1/CWLPG026** | | **0** | **13-02-2024** | **21** | **AX84** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **8/90183/1/CWLPG026** | | **0** | **13-02-2024** | **21** | **AX84** | | | **PL** | **950,00 mm** | **15,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90183/1/CWLPG030** | | **0** | **19-02-2024** | **30-50** | **AX426** | | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-03-2024** |
| | | | | | **AX90** | **Repair done** | | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| | | RT | R 1 DRI | After Repair | | IDL-QCI-RT 0036 01 | AA | 10 % | 000028 | 2 | Acceptable | | | | | 26-02-2024 | | |
| **2/90183/1/CWLPG030** | | **0** | **19-02-2024** | **30** | **AX426** | | | **PL** | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05

ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90183/1/CWLPG032** | **0** | **20-02-2024** | **34** | **AX90** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **23-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90183/1/CWLPG032** | **0** | **20-02-2024** | **34** | **AX90** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **23-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **1/90183/1/CWLPG036** | **0** | **12-02-2024** | **17** | **AX393** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90183/1/CWLPG036** | **0** | **12-02-2024** | **17** | **AX393** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **6/90183/1/CWLPG036** | **0** | **08-02-2024** | | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | |
| **7/90183/1/CWLPG036** | **0** | **08-02-2024** | | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | |
| **8/90183/1/CWLPG036** | **0** | **08-02-2024** | | | | **PL** | | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90183/1/CWLPG044** | | **0** | **08-02-2024** | | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | |
| **2/90183/1/CWLPG044** | | **0** | **08-02-2024** | | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | |
| **3/90183/1/CWLPG044** | | **0** | **08-02-2024** | | | | **PL** | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | |
| **4/90183/1/CWLPG044** | | **0** | **12-02-2024** | **17** | **AX84** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-02-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 10 % | 000022 | 2 | Acceptable | | | | | 21-02-2024 | | |
| **5/90183/1/CWLPG044** | | **0** | **12-02-2024** | **17-50** | **AX84** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-03-2024** |
| | | | | | **AX393** | **Repair done** | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 10 % | 000023 | 2 | Repair | | | | 0,075 m | 21-02-2024 | | |
| | | RT | R 1 DRI | After Repair | IDL-QCI-RT 0036 01 | AA | 10 % | 000026 | 2 | Acceptable | | | | | 26-02-2024 | | |
| **6/90183/1/CWLPG044** | | **0** | **12-02-2024** | **17** | **AX84** | | **PL** | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-02-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 10 % | 000024 | 3 | Acceptable | | | | | 21-02-2024 | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90183** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **16,85 m** | **45 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **16,85 m** | **45 Nr. Welds** |
| | | **Accepted** | **16,85 m** | **45 Nr. Welds** |
| | | **Repaired** | **0,08 m** | **1 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M | Material / Techn. Weld. | WPS / Defect length | Techn. Weld. / CND date | Type Cons / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90184/1/CWLPG033** | | **0** | **08-02-2024** | | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |
| **2/90184/1/CWLPG033** | | **0** | **08-02-2024** | | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |
| **3/90184/1/CWLPG033** | | **0** | **08-02-2024** | | | | **PL** | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |
| **4/90184/1/CWLPG033** | | **0** | **25-01-2024** | **2** | **AX25** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-01-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90184/1/CWLPG033** | | **0** | **25-01-2024** | **2** | **AX25** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-01-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90184/1/CWLPG042** | | **0** | **12-02-2024** | **17** | **AX25** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90184/1/CWLPG042** | | **0** | **12-02-2024** | **17** | **AX25** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **3/90184/1/CWLPG042** | | **0** | **12-02-2024** | **17** | **AX25** | | **PL** | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **4/90184/1/CWLPG042** | | **0** | **08-02-2024** | | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |
| **5/90184/1/CWLPG042** | | **0** | **08-02-2024** | | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M | Material / Techn. Weld. | WPS / Defect length | Techn. Weld. / CND date | Type Cons / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **5/90184/1/CWLPG042** | | **0** | **08-02-2024** | | | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | | | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | |
| **6/90184/1/CWLPG042** | | **0** | **08-02-2024** | | | | | **PL** | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | | | **BW** | **08-02-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | Acceptable | | | | | | | |
| | | | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | |
| **1/90184/1/CWLPG048** | | **0** | **08-02-2024** | **14** | **AX25** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | | 10 % 000003 | 2 | Acceptable | | | | | 15-02-2024 | | |
| **2/90184/1/CWLPG048** | | **0** | **08-02-2024** | **14** | **AX25** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | | 10 % 000004 | 2 | Acceptable | | | | | 15-02-2024 | | |
| **3/90184/1/CWLPG048** | | **0** | **08-02-2024** | **14** | **AX25** | | | **PL** | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | | 10 % 000006 | 3 | Acceptable | | | | | 15-02-2024 | | |
| **4/90184/1/CWLPG048** | | **0** | **01-01-2024** | **15** | **AX25** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | | 10 % 000009 | 2 | Acceptable | | | | | 16-02-2024 | | |
| **5/90184/1/CWLPG048** | | **0** | **01-01-2024** | **15** | **AX25** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | | 10 % 000018 | 2 | Acceptable | | | | | 20-02-2024 | | |
| **6/90184/1/CWLPG048** | | **0** | **01-01-2024** | **15** | **AX25** | | | **PL** | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | | 10 % 000007 | 3 | Acceptable | | | | | 16-02-2024 | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type | Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M | Material / Techn. Weld. | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90184/1/CWLPG049** | | **0** | **20-02-2024** | **34** | **AX393** | | | **PL** | | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **23-02-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90184/1/CWLPG049** | | **0** | **20-02-2024** | **34** | **AX393** | | | **PL** | | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **23-02-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **3/90184/1/CWLPG049** | | **0** | **20-02-2024** | **34** | **AX393** | | | **PL** | | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **23-02-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **4/90184/1/CWLPG049** | | **0** | **13-05-2024** | **287** | **AX411** | | | **PL** | | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-05-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90184/1/CWLPG049** | | **0** | **13-05-2024** | **287** | **AX411** | | | **PL** | | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-05-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | | 10 % | 000117 | 2 | Acceptable | | | | | 29-05-2024 | | |
| **6/90184/1/CWLPG049** | | **0** | **13-05-2024** | **287** | **AX411** | | | **PL** | | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-05-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |

| **Totals per DWG** | **90184** | | | |
|---|---|---|---|---|
| | | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **12,65 m** | **23 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **12,65 m** | **23 Nr. Welds** |
| | | **Accepted** | **12,65 m** | **23 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90188/1/CWBR015** | **0** | **26-03-2024** | | | **PL** | | **600,00 mm** | **20,00 mm** | **X** | **8,736 m** | **P** | **C.S.** | | **BW** | **26-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier CIMOLAI | | | | | | | | | | | | | | | |
| **1/90188/1/CWBR025** | **0** | **26-03-2024** | | | **PL** | | **600,00 mm** | **20,00 mm** | **X** | **9,371 m** | **P** | **C.S.** | | **BW** | **26-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier CIMOLAI | | | | | | | | | | | | | | | |
| **1/90188/1/CWLG011** | **0** | **26-03-2024** | | | **PL** | | **800,00 mm** | **20,00 mm** | **X** | **3,740 m** | **P** | **C.S.** | | **BW** | **26-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier CIMOLAI | | | | | | | | | | | | | | | |
| **1/90188/1/CWLG013** | **0** | **26-03-2024** | | | **PL** | | **800,00 mm** | **20,00 mm** | **X** | **3,740 m** | **P** | **C.S.** | | **BW** | **26-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier CIMOLAI | | | | | | | | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90188** | **Prefabrication** | **25,59 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **25,59 m** | **4 Nr. Welds** |
| | | **Accepted** | **25,59 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90190/1/CWBR016** | **0** | **13-03-2024** | | | **PL** | | **600,00 mm** | **20,00 mm** | **X** | **9,371 m** | **P** | **C.S.** | | **BW** | **13-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier CIMOLAI | | | | | | | | | | | | | | | |
| **1/90190/1/CWBR026** | **0** | **13-03-2024** | | | **PL** | | **600,00 mm** | **20,00 mm** | **X** | **9,371 m** | **P** | **C.S.** | | **BW** | **13-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| See Dossier CIMOLAI | | | | | | | | | | | | | | | |
| **1/90190/1/CWLG012** | **0** | **26-03-2024** | | | **PL** | | **800,00 mm** | **20,00 mm** | **X** | **3,740 m** | **P** | **C.S.** | | **BW** | **26-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier CIMOLAI | | | | | | | | | | | | | | | |
| **1/90190/1/CWLG014** | **0** | **26-03-2024** | | | **PL** | | **800,00 mm** | **20,00 mm** | **X** | **3,740 m** | **P** | **C.S.** | | **BW** | **26-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier CIMOLAI | | | | | | | | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90190** | **Prefabrication** | **26,22 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **26,22 m** | **4 Nr. Welds** |
| | | **Accepted** | **26,22 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | | Defect length | CND date | NOTE | |
| **1/90191/1/CWLG008** | | **1** | **08-02-2024** | **1** | **AX416** | | **PL** | **406,40 mm** | **12,70 mm** | **V** | **1,276 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **29-02-2024** |
| III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 5 % | 000035 | 1 | Acceptable | | | | | 29-02-2024 | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90191** | **Prefabrication** | **1,28 m** | **1 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,28 m** | **1 Nr. Welds** |
| | | **Accepted** | **1,28 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90192/1/CWBR001** | | **2** | **13-03-2024** | | | | **PL** | **550,00 mm** | **20,00 mm** | **X** | **7,708 m** | **P** | **C.S.** | | | **BW** | **13-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | See Dossier CIMOLAI | | | | | | | | | | | | | | | | |
| **2/90192/1/CWBR001** | | **2** | **28-08-2024** | **131** | **AX416** | | **PL** | **550,00 mm** | **20,00 mm** | **V** | **1,727 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-10-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | PR | 10 % | 000178 | 1 | Acceptable | | | | | 02-10-2024 | | |
| **3/90192/1/CWBR001** | | **2** | **13-03-2024** | | | | **PL** | **550,00 mm** | **20,00 mm** | **X** | **0,633 m** | **P** | **C.S.** | | | **BW** | **13-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | See Dossier CIMOLAI | | | | | | | | | | | | | | | | |
| **4/90192/1/CWBR001** | | **2** | **22-08-2024** | **130** | **AX84** | | **PL** | **550,00 mm** | **20,00 mm** | **V** | **1,727 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-10-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | PR | 10 % | 000179 | 1 | Acceptable | | | | | 02-10-2024 | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90192** | **Prefabrication** | **11,80 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **11,80 m** | **4 Nr. Welds** |
| | | **Accepted** | **11,80 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90193/1/CWBR027** | **1** | **13-03-2024** | | | **PL** | | **550,00 mm** | **20,00 mm** | **X** | **7,708 m** | **P** | **C.S.** | | | **BW** | **13-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| See Dossier CIMOLAI | | | | | | | | | | | | | | | | |
| **2/90193/1/CWBR027** | **1** | **07-11-2024** | **136** | **AX84** | **PL** | | **550,00 mm** | **20,00 mm** | **V** | **1,727 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **12-11-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **3/90193/1/CWBR027** | **1** | **13-03-2024** | | | **PL** | | **550,00 mm** | **20,00 mm** | **X** | **0,633 m** | **P** | **C.S.** | | | **BW** | **13-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| See Dossier CIMOLAI | | | | | | | | | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90193** | **Prefabrication** | **10,07 m** | **3 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **10,07 m** | **3 Nr. Welds** |
| | | **Accepted** | **10,07 m** | **3 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90195/1/CWBR002** | | **2** | **13-03-2024** | | | | **PL** | **550,00 mm** | **20,00 mm** | **X** | **7,708 m** | **P** | **C.S.** | | | **BW** | **13-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| See Dossier CIMOLAI | | | | | | | | | | | | | | | | | |
| **2/90195/1/CWBR002** | | **2** | **01-07-2024** | **126** | **AX393**<br>**AX84** | | **PL** | **550,00 mm** | **20,00 mm** | **V** | **1,727 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-07-2024** |
| I | | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 10 % | 000148 | 1 | Acceptable | | | | 11-07-2024 | | | |
| **3/90195/1/CWBR002** | | **2** | **13-03-2024** | | | | **PL** | **550,00 mm** | **20,00 mm** | **X** | **0,633 m** | **P** | **C.S.** | | | **BW** | **13-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| See Dossier CIMOLAI | | | | | | | | | | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90195** | **Prefabrication** | **10,07 m** | **3 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **10,07 m** | **3 Nr. Welds** |
| | | **Accepted** | **10,07 m** | **3 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90196/1/CWBR028** | | **1** | **13-03-2024** | | | | **PL** | **550,00 mm** | **20,00 mm** | **X** | **7,710 m** | **P** | **C.S.** | | | **BW** | **13-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | See Dossier CIMOLAI | | | | | | | | | | | | | | | | |
| **2/90196/1/CWBR028** | | **1** | **01-07-2024** | **126** | **AX63**<br>**AX84** | | **PL** | **550,00 mm** | **20,00 mm** | **V** | **1,727 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-07-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 10 % | 000147 | 1 | Acceptable | | | | 11-07-2024 | | | |
| **3/90196/1/CWBR028** | | **1** | **13-03-2024** | | | | **PL** | **550,00 mm** | **20,00 mm** | **X** | **0,631 m** | **P** | **C.S.** | | | **BW** | **13-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | See Dossier CIMOLAI | | | | | | | | | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90196** | **Prefabrication** | **10,07 m** | **3 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **10,07 m** | **3 Nr. Welds** |
| | | **Accepted** | **10,07 m** | **3 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type | Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M | Material / Techn. Weld. | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90198/1/CWUPG005** | | **0** | **28-03-2024** | **178** | **AX25** | | **PL** | | **250,00 mm** | **25,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90198/1/CWUPG005** | | **0** | **28-03-2024** | **178** | **AX25** | | **PL** | | **960,00 mm** | **15,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **3/90198/1/CWUPG005** | | **0** | **28-03-2024** | **178** | **AX25** | | **PL** | | **250,00 mm** | **25,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **4/90198/1/CWUPG005** | | **0** | **04-04-2024** | **188** | **AX90** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90198/1/CWUPG005** | | **0** | **04-04-2024** | **188** | **AX90** | | **PL** | | **960,00 mm** | **15,00 mm** | **K** | **0,960 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90198/1/CWUPG005** | | **0** | **04-04-2024** | **188** | **AX90** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90198/1/CWUPG006** | | **0** | **04-04-2024** | **188** | **AX90** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90198/1/CWUPG006** | | **0** | **04-04-2024** | **188** | **AX90** | | **PL** | | **960,00 mm** | **15,00 mm** | **K** | **0,960 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **3/90198/1/CWUPG006** | | **0** | **04-04-2024** | **188** | **AX90** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **4/90198/1/CWUPG006** | | **0** | **28-03-2024** | **178** | **AX25** | | **PL** | | **250,00 mm** | **25,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90198/1/CWUPG006** | | **0** | **28-03-2024** | **178** | **AX25** | | **PL** | | **960,00 mm** | **15,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90198/1/CWUPG006** | | **0** | **28-03-2024** | **178** | **AX25** | | **PL** | | **250,00 mm** | **25,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2024** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **6/90198/1/CWUPG006** | **0** | **28-03-2024** | **178** | **AX25** | **PL** | | **250,00 mm** | **25,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90198/1/CWUPG007** | **0** | **01-03-2024** | | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | | | **BW** | **01-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | | |
| **2/90198/1/CWUPG007** | **0** | **01-03-2024** | | | **PL** | | **960,00 mm** | **15,00 mm** | **K** | **0,960 m** | **M** | **C.S.** | | | **BW** | **01-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | | |
| **3/90198/1/CWUPG007** | **0** | **01-03-2024** | | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | | | **BW** | **01-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | | |
| **4/90198/1/CWUPG007** | **0** | **19-03-2024** | **156** | **AX84** | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90198/1/CWUPG007** | **0** | **19-03-2024** | **156** | **AX84** | **PL** | | **960,00 mm** | **15,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90198/1/CWUPG007** | **0** | **19-03-2024** | **156** | **AX84** | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90198/1/CWUPG008** | **0** | **19-03-2024** | **156** | **AX427** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90198/1/CWUPG008** | **0** | **19-03-2024** | **156** | **AX427** | | **PL** | | **960,00 mm** | **15,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **3/90198/1/CWUPG008** | **0** | **19-03-2024** | **156** | **AX427** | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **4/90198/1/CWUPG008** | **0** | **04-03-2024** | | | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | | | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | |
| **5/90198/1/CWUPG008** | **0** | **04-03-2024** | | | | **PL** | | **960,00 mm** | **15,00 mm** | **K** | **0,960 m** | **M** | **C.S.** | | | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | |
| **6/90198/1/CWUPG008** | **0** | **04-03-2024** | | | | **PL** | | **250,00 mm** | **20,00 mm** | **1/2V** | **0,250 m** | **M** | **C.S.** | | | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Cont. | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90198/1/CWUPG017** | | **0** | **23-03-2024** | **170** | **AX84** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90198/1/CWUPG017** | | **0** | **23-03-2024** | **170** | **AX84** | | **PL** | **950,00 mm** | **15,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **3/90198/1/CWUPG017** | | **0** | **23-03-2024** | **170** | **AX84** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90198/1/CWUPG023** | | **0** | **06-04-2024** | **191-244** | **AX425** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **06-05-2024** |
| | | | | | **AX25** | **Repair done** | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | | RT | R 1 DRI | After Repair | | | 10 % | | | Acceptable | | | | | | | |
| **2/90198/1/CWUPG023** | | **0** | **06-04-2024** | **191** | **AX425** | | **PL** | **920,00 mm** | **15,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **3/90198/1/CWUPG023** | | **0** | **06-04-2024** | **191** | **AX425** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **4/90198/1/CWUPG023** | | **0** | **25-03-2024** | **172** | **AX425** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90198/1/CWUPG023** | | **0** | **25-03-2024** | **172** | **AX425** | | **PL** | **920,00 mm** | **15,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90198/1/CWUPG023** | | **0** | **25-03-2024** | **172** | **AX425** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type | Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90198/1/CWUPG024** | | **0** | **25-03-2024** | **172** | **AX25** | | **PL** | | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90198/1/CWUPG024** | | **0** | **25-03-2024** | **172** | **AX25** | | **PL** | | **920,00 mm** | **15,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **3/90198/1/CWUPG024** | | **0** | **25-03-2024** | **172** | **AX25** | | **PL** | | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **4/90198/1/CWUPG024** | | **0** | **02-04-2024** | **183** | **AX425** | | **PL** | | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90198/1/CWUPG024** | | **0** | **02-04-2024** | **183** | **AX425** | | **PL** | | **920,00 mm** | **15,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90198/1/CWUPG024** | | **0** | **02-04-2024** | **183** | **AX425** | | **PL** | | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90198/1/CWUPG025** | | **0** | **08-03-2024** | | | | **PL** | | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | | | **BW** | **08-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | |
| **2/90198/1/CWUPG025** | | **0** | **08-03-2024** | | | | **PL** | | **920,00 mm** | **15,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | | | **BW** | **08-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | |
| **3/90198/1/CWUPG025** | | **0** | **08-03-2024** | | | | **PL** | | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | | | **BW** | **08-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| | Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | | |
| **4/90198/1/CWUPG025** | | **0** | **16-03-2024** | **154** | **AX90** | | **PL** | | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90198/1/CWUPG025** | | **0** | **16-03-2024** | **154** | **AX90** | | **PL** | | **920,00 mm** | **15,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-03-2024** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05

ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **5/90198/1/CWUPG025** | **0** | **16-03-2024** | **154** | **AX90** | | **PL** | **920,00 mm** | **15,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90198/1/CWUPG025** | **0** | **16-03-2024** | **154** | **AX90** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90198/1/CWUPG026** | **0** | **06-03-2024** | **155** | **AX426** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90198/1/CWUPG026** | **0** | **16-03-2024** | **154** | **AX426** | | **PL** | **920,00 mm** | **15,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **3/90198/1/CWUPG026** | **0** | **16-03-2024** | **154** | **AX426** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **4/90198/1/CWUPG026** | **0** | **08-03-2024** | | | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | | | **BW** | **08-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |
| **5/90198/1/CWUPG026** | **0** | **08-03-2024** | | | | **PL** | **920,00 mm** | **15,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | | | **BW** | **08-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |
| **6/90198/1/CWUPG026** | **0** | **08-03-2024** | | | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | | | **BW** | **08-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723000223 | | | | | | | | | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90198/1/CWUPG027** | **0** | **03-04-2024** | **185** | **AX426** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90198/1/CWUPG027** | **0** | **03-04-2024** | **185** | **AX426** | | **PL** | **920,00 mm** | **15,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **3/90198/1/CWUPG027** | **0** | **03-04-2024** | **185** | **AX426** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **4/90198/1/CWUPG027** | **0** | **03-04-2024** | **186** | **AX25** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90198/1/CWUPG027** | **0** | **03-04-2024** | **186** | **AX25** | | **PL** | **920,00 mm** | **15,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90198/1/CWUPG027** | **0** | **03-04-2024** | **186** | **AX25** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

| **Totals per DWG** | **90198** | | | |
|---|---|---|---|---|
| | | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **30,39 m** | **57 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **30,39 m** | **57 Nr. Welds** |
| | | **Accepted** | **30,39 m** | **57 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Cont. | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90199/1/CWULT001** | | **2** | **30-09-2024** | **433** | **AX393 AX416** | | | **PIPE** | **800,00 mm** | **30,00 mm** | **V** | **2,504 m** | **M** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **01-10-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90199/1/CWULT002** | | **2** | **26-09-2024** | **428** | **AX393 AX416** | | | **PIPE** | **800,00 mm** | **30,00 mm** | **V** | **2,504 m** | **M** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **27-09-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90199/1/CWUPG001** | | **2** | **20-03-2024** | **160** | **AX426** | | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90199/1/CWUPG001** | | **2** | **20-03-2024** | **160** | **AX426** | | | **PL** | **920,00 mm** | **20,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **3/90199/1/CWUPG001** | | **2** | **20-03-2024** | **160** | **AX426** | | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **4/90199/1/CWUPG001** | | **2** | **18-06-2024** | **353** | **AX411** | | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-06-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90199/1/CWUPG001** | | **2** | **18-06-2024** | **353** | **AX411** | | | **PL** | **920,00 mm** | **20,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-06-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90199/1/CWUPG001** | | **2** | **18-06-2024** | **353** | **AX411** | | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-06-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 10 % | 000126 | 2 | Acceptable | | | | | 21-06-2024 | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90199/1/CWUPG003** | **2** | **04-03-2024** | | | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | | | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | | |
| **2/90199/1/CWUPG003** | **2** | **04-03-2024** | | | **PL** | | **920,00 mm** | **20,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | | | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | | |
| **3/90199/1/CWUPG003** | **2** | **04-03-2024** | | | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | | | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | | |
| **4/90199/1/CWUPG003** | **2** | **02-04-2024** | **184** | **AX25** | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90199/1/CWUPG003** | **2** | **02-04-2024** | **184** | **AX25** | **PL** | | **920,00 mm** | **20,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90199/1/CWUPG003** | **2** | **02-04-2024** | **184** | **AX25** | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90199/1/CWUPG015** | **2** | **22-03-2024** | **168-283** | **AX84** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-05-2024** |
| | | | | **AX90** | **After Cutting** | | | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| | | RT | C 1 DTA | After Cutting | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90199/1/CWUPG015** | **2** | **22-03-2024** | **168-283** | **AX84** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-05-2024** |
| | | | | **AX90** | **After Cutting** | | | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| | | RT | C 1 DTA | After Cutting | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90199/1/CWUPG016** | **2** | **21-03-2024** | **162** | **AX84** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90199/1/CWUPG016** | **2** | **21-03-2024** | **162** | **AX84** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90199/1/CWUPG016** | **2** | **22-03-2024** | **165-283** | **AX84** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-05-2024** |
| | | | | **AX90** | **After Cutting** | | | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| | | RT | C 1 DTA | After Cutting | | | | 10 % | | | Acceptable | | | | | | | |
| **10/90199/1/CWUPG016** | **2** | **22-03-2024** | **165-283** | **AX84** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-05-2024** |
| | | | | **AX90** | **After Cutting** | | | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| | | RT | C 1 DTA | After Cutting | | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90199/1/CWUPG019** | **2** | **04-03-2024** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | | |
| **2/90199/1/CWUPG019** | **2** | **04-03-2024** | | | **PL** | | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | | | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | | |
| **3/90199/1/CWUPG019** | **2** | **04-03-2024** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | | |
| **4/90199/1/CWUPG019** | **2** | **06-03-2024** | **155** | **AX426** | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90199/1/CWUPG019** | **2** | **06-03-2024** | **155** | **AX426** | **PL** | | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90199/1/CWUPG019** | **2** | **06-03-2024** | **155** | **AX426** | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90199/1/CWUPG032** | | **2** | **22-03-2024** | **168** | **AX394** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90199/1/CWUPG032** | | **2** | **22-03-2024** | **168** | **AX394** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90199/1/CWUPG032** | | **2** | **22-03-2024** | **168** | **AX90** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **10/90199/1/CWUPG032** | | **2** | **22-03-2024** | **168-196** | **AX90** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-04-2024** |
| | | | | | **AX393** | **Repair done** | | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| | | RT | R 1 DRI | After Repair | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90199/1/CWUPG033** | | **2** | **05-04-2024** | **189** | **AX426** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-04-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000078 | 2 | Acceptable | | | | | 12-04-2024 | | |
| **5/90199/1/CWUPG033** | | **2** | **05-04-2024** | **189** | **AX426** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-04-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000079 | 2 | Acceptable | | | | | 12-04-2024 | | |
| **6/90199/1/CWUPG033** | | **2** | **08-04-2024** | **194** | **AX73** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **10/90199/1/CWUPG033** | | **2** | **08-04-2024** | **194** | **AX73** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90199/1/CWUPG038** | **2** | **04-04-2024** | **188** | **AX394** | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90199/1/CWUPG038** | **2** | **04-04-2024** | **188** | **AX394** | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90199/1/CWUPG038** | **2** | **06-04-2024** | **191** | **AX394** | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **10/90199/1/CWUPG038** | **2** | **06-04-2024** | **191** | **AX394** | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90199/1/CWUPG039** | **2** | **05-04-2024** | **190** | **AX73** | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **11-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90199/1/CWUPG039** | **2** | **05-04-2024** | **190** | **AX73** | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **11-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90199/1/CWUPG039** | **2** | **05-04-2024** | **190** | **AX25** | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **11-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **10/90199/1/CWUPG039** | **2** | **05-04-2024** | **190** | **AX25** | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **11-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90199/1/CWUPG040** | | **2** | **22-03-2024** | **168-196** | **AX90** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-04-2024** |
| | | | | | **AX393** | **Repair done** | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | | RT | R 1 DRI | After Repair | | | 10 % | | | Acceptable | | | | | | | |
| **5/90199/1/CWUPG040** | | **2** | **22-03-2024** | **168** | **AX90** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90199/1/CWUPG040** | | **2** | **21-03-2024** | **162** | **AX90** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **10/90199/1/CWUPG040** | | **2** | **21-03-2024** | **162** | **AX90** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90199/1/CWUPG041** | | **2** | **21-03-2024** | **162** | **AX426** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90199/1/CWUPG041** | | **2** | **21-03-2024** | **162** | **AX426** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90199/1/CWUPG041** | | **2** | **22-03-2024** | **168-198** | **AX426** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-04-2024** |
| | | | | | **AX84** | **Repair done** | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | | RT | R 1 DRI | After Repair | | | 10 % | | | Acceptable | | | | | | | |
| **10/90199/1/CWUPG041** | | **2** | **22-03-2024** | **168** | **AX426** | | **PL** | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Cont. | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90199/1/CWUPG046** | | **2** | **08-04-2024** | **192** | **AX394** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **11-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90199/1/CWUPG046** | | **2** | **08-04-2024** | **192** | **AX394** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **11-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90199/1/CWUPG046** | | **2** | **05-04-2024** | **189** | **AX426** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-04-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000077 | 2 | Acceptable | | | | | 12-04-2024 | | |
| **10/90199/1/CWUPG046** | | **2** | **05-04-2024** | **189** | **AX426** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-04-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 10 % | 000084 | 2 | Acceptable | | | | | 16-04-2024 | | |
| **1/90199/1/CWUPG047** | | **2** | **22-03-2024** | **168** | **AX426** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90199/1/CWUPG047** | | **2** | **22-03-2024** | **168** | **AX426** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90199/1/CWUPG047** | | **2** | **22-03-2024** | **168-196** | **AX394** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-04-2024** |
| | | | | | **AX84** | **Repair done** | | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| | | RT | R 1 DRI | After Repair | | | | 10 % | | | Acceptable | | | | | | | |
| **10/90199/1/CWUPG047** | | **2** | **22-03-2024** | **168** | **AX394** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |

| **Totals per DWG** | **90199** | | | |
|---|---|---|---|---|
| | | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **31,98 m** | **58 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **31,98 m** | **58 Nr. Welds** |
| | | **Accepted** | **31,98 m** | **58 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Cons / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90200/1/CWUPG009** | | **0** | **06-04-2024** | **191-266** | **AX425** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **06-05-2024** |
| | | | | | **AX90 Repair done** | | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 10 % | 000094 | 2 | Repair | | | | 0,040 m | 24-04-2024 | | |
| | | RT | R 1 DRI | After Repair | IDL-QCI-RT 0036 01 | PR | 10 % | 000096 | 2 | Acceptable | | | | | 03-05-2024 | | |
| **2/90200/1/CWUPG009** | | **0** | **06-04-2024** | **191** | **AX425** | | **PL** | **958,50 mm** | **15,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **11-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **3/90200/1/CWUPG009** | | **0** | **06-04-2024** | **191** | **AX425** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **11-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **4/90200/1/CWUPG009** | | **0** | **04-04-2024** | **188** | **AX90** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90200/1/CWUPG009** | | **0** | **04-04-2024** | **188-266** | **AX90 Welding + Repair done** | | **PL** | **958,50 mm** | **15,00 mm** | **K** | **0,960 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **06-05-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 10 % | 000095 | 4 | Repair | | | | 0,040 m | 24-04-2024 | | |
| | | RT | R 1 DRI | After Repair | IDL-QCI-RT 0036 01 | PR | 10 % | 000098 | 4 | Acceptable | | | | | 03-05-2024 | | |
| **6/90200/1/CWUPG009** | | **0** | **04-04-2024** | **188** | **AX90** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90200/1/CWUPG010** | | **0** | **20-03-2024** | **160** | **AX426** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90200/1/CWUPG010** | | **0** | **20-03-2024** | **160** | **AX426** | | **PL** | **958,50 mm** | **15,00 mm** | **K** | **0,960 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **3/90200/1/CWUPG010** | | **0** | **20-03-2024** | **160** | **AX426** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **4/90200/1/CWUPG010** | | **0** | **20-03-2024** | **163** | **AX394** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **25-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90200/1/CWUPG010** | | **0** | **20-03-2024** | **163** | **AX394** | | **PL** | **958,50 mm** | **15,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **25-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **5/90200/1/CWUPG010** | **0** | **20-03-2024** | **163** | **AX394** | | **PL** | | **958,50 mm** | **15,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **25-03-2024** |
| **6/90200/1/CWUPG010** | **0** | **20-03-2024** | **163** | **AX394** | | **PL** | | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **25-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | | |
| **1/90200/1/CWUPG018** | **0** | **26-03-2024** | **173** | **AX25** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | | |
| **2/90200/1/CWUPG018** | **0** | **26-03-2024** | **173** | **AX25** | | **PL** | | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | | |
| **3/90200/1/CWUPG018** | **0** | **26-03-2024** | **173** | **AX25** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | | |
| **4/90200/1/CWUPG018** | **0** | **27-03-2024** | **182** | **AX25** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | | |
| **5/90200/1/CWUPG018** | **0** | **27-03-2024** | **182** | **AX25** | | **PL** | | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | | |
| **6/90200/1/CWUPG018** | **0** | **27-03-2024** | **182** | **AX25** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90200/1/CWUPG044** | | **0** | **08-04-2024** | **194** | **AX426** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90200/1/CWUPG044** | | **0** | **08-04-2024** | **194** | **AX426** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90200/1/CWUPG044** | | **0** | **04-04-2024** | **188** | **AX425** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **11-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **7/90200/1/CWUPG044** | | **0** | **04-04-2024** | **188** | **AX425** | | | **PL** | **950,00 mm** | **15,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **11-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **8/90200/1/CWUPG044** | | **0** | **04-04-2024** | **188** | **AX425** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **11-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90200/1/CWUPG045** | | **0** | **21-03-2024** | **162** | **AX394** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **25-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90200/1/CWUPG045** | | **0** | **21-03-2024** | **162** | **AX394** | | | **PL** | **950,00 mm** | **15,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **25-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **3/90200/1/CWUPG045** | | **0** | **21-03-2024** | **162** | **AX394** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **25-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **4/90200/1/CWUPG045** | | **0** | **18-06-2024** | **353** | **AX393** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-06-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **8/90200/1/CWUPG045** | | **0** | **18-06-2024** | **353** | **AX393** | | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-06-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 10 % | 000136 | 2 | Acceptable | | | | | 27-06-2024 | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **8/90200/1/CWUPG045** | **0** | **18-06-2024** | **353** | **AX393** | | **PL** | **400,00 mm** | **25,00 mm** | **1/2V** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-06-2024** |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90200** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **15,10 m** | **28 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **15,10 m** | **28 Nr. Welds** |
| | | **Accepted** | **15,10 m** | **28 Nr. Welds** |
| | | **Repaired** | **0,08 m** | **2 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type | Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Cont. | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90201/1/CWULT003** | | **1** | **26-09-2024** | **428** | **AX394 AX84** | | | **PIPE** | | **800,00 mm** | **30,00 mm** | **V** | **2,504 m** | **M** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **27-09-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90201/1/CWULT004** | | **1** | **30-09-2024** | **433** | **AX394 AX84** | | | **PIPE** | | **800,00 mm** | **30,00 mm** | **V** | **2,504 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-10-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90201/1/CWUPG002** | | **1** | **20-03-2024** | **160** | **AX90** | | | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90201/1/CWUPG002** | | **1** | **20-03-2024** | **160** | **AX90** | | | **PL** | | **920,00 mm** | **20,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **3/90201/1/CWUPG002** | | **1** | **20-03-2024** | **160** | **AX90** | | | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **4/90201/1/CWUPG002** | | **1** | **19-06-2024** | **354** | **AX393** | | | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-06-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90201/1/CWUPG002** | | **1** | **19-06-2024** | **354** | **AX393** | | | **PL** | | **920,00 mm** | **20,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-06-2024** |
| | I | RT | FIN | Weld Completion | | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90201/1/CWUPG002** | | **1** | **19-06-2024** | **354** | **AX393** | | | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-06-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | | 10 % | 000134 | 2 | Acceptable | | | | | 25-06-2024 | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90201/1/CWUPG004** | **1** | **04-03-2024** | | | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | | | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | | |
| **2/90201/1/CWUPG004** | **1** | **04-03-2024** | | | **PL** | | **920,00 mm** | **20,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | | | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | | |
| **3/90201/1/CWUPG004** | **1** | **04-03-2024** | | | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | | | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | | |
| **4/90201/1/CWUPG004** | **1** | **03-04-2024** | **185** | **AX73** | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90201/1/CWUPG004** | **1** | **03-04-2024** | **185** | **AX73** | **PL** | | **920,00 mm** | **20,00 mm** | **K** | **0,920 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90201/1/CWUPG004** | **1** | **03-04-2024** | **185** | **AX73** | **PL** | | **500,00 mm** | **40,00 mm** | **K** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90201/1/CWUPG013** | **1** | **27-03-2024** | **195** | **AX427** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **11-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90201/1/CWUPG013** | **1** | **27-03-2024** | **195** | **AX427** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **11-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90201/1/CWUPG013** | **1** | **21-03-2024** | **166** | **AX238** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **10/90201/1/CWUPG013** | **1** | **21-03-2024** | **166** | **AX238** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90201/1/CWUPG020** | **1** | **26-03-2024** | **173** | **AX425** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90201/1/CWUPG020** | **1** | **26-03-2024** | **173** | **AX425** | | **PL** | | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **3/90201/1/CWUPG020** | **1** | **26-03-2024** | **173** | **AX425** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **4/90201/1/CWUPG020** | **1** | **27-03-2024** | **187** | **AX425** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90201/1/CWUPG020** | **1** | **27-03-2024** | **187** | **AX425** | | **PL** | | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90201/1/CWUPG020** | **1** | **27-03-2024** | **187** | **AX425** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05

ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90201/1/CWUPG021** | **1** | **04-03-2024** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | | |
| **2/90201/1/CWUPG021** | **1** | **04-03-2024** | | | **PL** | | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | | | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | | |
| **3/90201/1/CWUPG021** | **1** | **04-03-2024** | | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | | | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| Ref. dossier SCANDIUZZI - 1723001792 / 93 | | | | | | | | | | | | | | | | |
| **4/90201/1/CWUPG021** | **1** | **06-03-2024** | **155** | **AX90** | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90201/1/CWUPG021** | **1** | **06-03-2024** | **155** | **AX90** | **PL** | | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90201/1/CWUPG021** | **1** | **06-03-2024** | **155** | **AX90** | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90201/1/CWUPG022** | | **1** | **25-03-2024** | **169** | **AX84** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90201/1/CWUPG022** | | **1** | **25-03-2024** | **169** | **AX84** | | **PL** | | **950,00 mm** | **20,00 mm** | **K** | **0,950 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **3/90201/1/CWUPG022** | | **1** | **25-03-2024** | **169** | **AX84** | | **PL** | | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **1/90201/1/CWUPG029** | | **1** | **06-04-2024** | **191** | **AX426** | | **PL** | | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-04-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **5/90201/1/CWUPG029** | | **1** | **06-04-2024** | **191** | **AX426** | | **PL** | | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-04-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **6/90201/1/CWUPG029** | | **1** | **09-04-2024** | **193-245** | **AX425** | | **PL** | | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **24-04-2024** |
| | | | | | **AX25** | **Repair done** | | | | | | | | | | | | |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| | | RT | R 1 DRI | After Repair | | | 10 % | | | Acceptable | | | | | | |
| **10/90201/1/CWUPG029** | | **1** | **09-04-2024** | **193-245** | **AX425** | | **PL** | | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **24-04-2024** |
| | | | | | **AX25** | **Repair done** | | | | | | | | | | | | |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| | | RT | R 1 DRI | After Repair | | | 10 % | | | Acceptable | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90201/1/CWUPG030** | | **1** | **22-03-2024** | **165** | **AX238** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90201/1/CWUPG030** | | **1** | **22-03-2024** | **165** | **AX238** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90201/1/CWUPG030** | | **1** | **17-06-2024** | **352** | **AX411** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-06-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **10/90201/1/CWUPG030** | | **1** | **17-06-2024** | **352** | **AX411** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-07-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | PR | 10 % | 000142 | 2 | Acceptable | | | | | 05-07-2024 | | |
| | | RT | R DRI | After Repair | IDL-QCI-RT 0036 01 | AA | 10 % | 000142 | 2 | Acceptable | | | | | 05-07-2024 | | |

w10 has been wrongly recorded to be repaired while it was acceptable_Actually the rep.142 shows such mistake_the line in the wr can't be deleted so notes has been recorded to highlight and trace the mistake.

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90201** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **24,83 m** | **41 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **24,83 m** | **41 Nr. Welds** |
| | | **Accepted** | **24,83 m** | **41 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90202/1/CWUPG011** | | **0** | **08-04-2024** | **194** | **AX425** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90202/1/CWUPG011** | | **0** | **08-04-2024** | **194** | **AX425** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90202/1/CWUPG011** | | **0** | **05-04-2024** | **190-229** | **AX90** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-05-2024** |
| | | | | | **AX414** | **Repair done** | | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000075 | 2 | Repair | | | | 0,025 m | 11-04-2024 | | |
| | | RT | DRF | After Film Repeat | | IDL-QCI-RT 0036 01 | PR | 10 % | 000083 | 2 | Acceptable | | | | | 16-04-2024 | | |
| | | RT | R1 DRI | After Repair | | IDL-QCI-RT 0036 01 | PR | 100 % | 000097 | 2 | Acceptable | | | | | 03-05-2024 | | |
| **10/90202/1/CWUPG011** | | **0** | **05-04-2024** | **190** | **AX90** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-04-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000074 | 2 | Acceptable | | | | | 12-04-2024 | | |
| **1/90202/1/CWUPG012** | | **0** | **08-04-2024** | **194** | **AX90** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **5/90202/1/CWUPG012** | | **0** | **08-04-2024** | **194** | **AX90** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90202/1/CWUPG012** | | **0** | **05-04-2024** | **189** | **AX90** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-04-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000076 | 2 | Acceptable | | | | | 12-04-2024 | | |
| **10/90202/1/CWUPG012** | | **0** | **05-04-2024** | **189-233** | **AX90** | | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-04-2024** |
| | | | | | **AX25** | **Repair done** | | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000080 | 2 | Repair | | | | 0,025 m | 12-04-2024 | | |
| | | RT | R1 DRI | After Repair | | IDL-QCI-RT 0036 01 | AA | 10 % | 000093 | 2 | Acceptable | | | | | 24-04-2024 | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90202/1/CWUPG014** | | **0** | **20-03-2024** | **160** | **AX84** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90202/1/CWUPG014** | | **0** | **20-03-2024** | **160** | **AX84** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90202/1/CWUPG014** | | **0** | **22-03-2024** | **171** | **AX73** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **10/90202/1/CWUPG014** | | **0** | **22-03-2024** | **171** | **AX73** | | **PL** | **300,00 mm** | **25,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-03-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90202/1/CWUPG028** | | **0** | **08-04-2024** | **192** | **AX25** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **23-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90202/1/CWUPG028** | | **0** | **08-04-2024** | **192** | **AX25** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90202/1/CWUPG028** | | **0** | **08-04-2024** | **194-244** | **AX90** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **06-05-2024** |
| | | | | | **AX25** | **Repair done** | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| | | RT | R 1 DRI | After Repair | | | 10 % | | | Acceptable | | | | | | | |
| **10/90202/1/CWUPG028** | | **0** | **08-04-2024** | **194** | **AX90** | | **PL** | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90202/1/CWUPG031** | | **0** | **25-03-2024** | **169** | **AX238** | | **PL** | | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | | |
| **5/90202/1/CWUPG031** | | **0** | **25-03-2024** | **169** | **AX238** | | **PL** | | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | | |
| **6/90202/1/CWUPG031** | | **0** | **17-06-2024** | **352** | **AX393** | | **PL** | | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-06-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | | |
| **10/90202/1/CWUPG031** | | **0** | **17-06-2024** | **352** | **AX393** | | **PL** | | **400,00 mm** | **40,00 mm** | **K** | **0,400 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **21-06-2024** |
| I | | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | PR | 10 % | 000127 | 2 | Acceptable | | | | 21-06-2024 | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90202** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **6,80 m** | **20 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **6,80 m** | **20 Nr. Welds** |
| | | **Accepted** | **6,80 m** | **20 Nr. Welds** |
| | | **Repaired** | **0,05 m** | **2 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure
Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **3/90203/1/CWBR023** | **1** | **12-11-2024** | **464** | **AX84** | | **PIPE** | **406,40 mm** | **12,70 mm** | **V** | **1,276 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-11-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **3/90203/1/CWBR024** | **1** | **15-11-2024** | **468** | **AX84** | | **PIPE** | **406,40 mm** | **12,70 mm** | **V** | **1,276 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-11-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90203** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **2,56 m** | **2 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,56 m** | **2 Nr. Welds** |
| | | **Accepted** | **2,56 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | | Defect length | CND date | NOTE | |
| **2/90204/1/CWLG020** | | **0** | **07-11-2024** | **1** | **AX85** | | **PIPE** | **700,00 mm** | **20,00 mm** | **V** | **2,198 m** | **M** | **C.S.** | **1C** | **FCAW+SAW** | **BW** | **11-11-2024** |
| I | | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 10 % | 000184 | 1 | Acceptable | | | | | 11-11-2024 | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90204** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **2,20 m** | **1 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,20 m** | **1 Nr. Welds** |
| | | **Accepted** | **2,20 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **3/90205/1/CWLSB120** | | **0** | **01-03-2024** | **12** | **AX425** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-03-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90205/1/CWLSB121** | | **0** | **01-03-2024** | **12** | **AX393** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90205/1/CWLSB122** | | **0** | **27-02-2024** | **11** | **AX238** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-03-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90205/1/CWLSB123** | | **0** | **27-02-2024** | **11** | **AX25** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-03-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90205** | **Prefabrication** | **0,64 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,64 m** | **4 Nr. Welds** |
| | | **Accepted** | **0,64 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **3/90209/1/CWUSB077** | **1** | **12-04-2024** | **26** | **GX37** | | **PL** | **300,00 mm** | **15,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-04-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90209** | **Prefabrication** | **0,30 m** | **1 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,30 m** | **1 Nr. Welds** |
| | | **Accepted** | **0,30 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **3/90210/1/CWUSB078** | | **1** | **18-04-2024** | **55** | **AX414** | | **PL** | **300,00 mm** | **15,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **20-04-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90210/1/CWUSB079** | | **1** | **18-04-2024** | **55** | **AX238** | | **PL** | **300,00 mm** | **15,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **20-04-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90210/1/CWUSB080** | | **1** | **19-04-2024** | **56** | **AX414** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **23-04-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90210** | **Prefabrication** | **0,76 m** | **3 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,76 m** | **3 Nr. Welds** |
| | | **Accepted** | **0,76 m** | **3 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **3/90211/1/CWUSB082** | **2** | **16-04-2024** | **59** | **AX90** | | **PL** | **160,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **22-04-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90211** | **Prefabrication** | **0,16 m** | **1 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,16 m** | **1 Nr. Welds** |
| | | **Accepted** | **0,16 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90233/1/CWLSB001** | **0** | **27-02-2024** | **68** | **AX90** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90233/1/CWLSB001** | **0** | **27-02-2024** | **68** | **AX90** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-02-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **4/90233/1/CWLSB001** | **0** | **27-02-2024** | **68** | **AX90** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB016** | **0** | **20-02-2024** | **59** | **AX431** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB017** | **0** | **20-02-2024** | **59** | **AX90** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90233/1/CWLSB017** | **0** | **20-02-2024** | **59** | **AX90** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB018** | **0** | **20-02-2024** | **59** | **AX90** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90233/1/CWLSB018** | **0** | **20-02-2024** | **59** | **AX90** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **4/90233/1/CWLSB018** | **0** | **20-02-2024** | **59** | **AX90** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90233/1/CWLSB021** | **0** | **20-02-2024** | **59** | **AX90** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90233/1/CWLSB021** | **0** | **20-02-2024** | **59** | **AX90** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **8/90233/1/CWLSB021** | **0** | **20-02-2024** | **59** | **AX90** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB022** | **0** | **22-02-2024** | **65** | **AX90** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB023** | **0** | **14-02-2024** | **64** | **AX90** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90233/1/CWLSB023** | **0** | **23-02-2024** | **66** | **AX90** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB042** | **0** | **22-02-2024** | **65** | **AX90** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90233/1/CWLSB042** | **0** | **22-02-2024** | **65** | **AX90** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-02-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **4/90233/1/CWLSB042** | **0** | **22-02-2024** | **65** | **AX90** | **HEA** | | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90233/1/CWLSB043** | **0** | **26-02-2024** | **67** | **AX90** | | | **HEA** | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **6/90233/1/CWLSB043** | **0** | **26-02-2024** | **67** | **AX90** | | | **HEA** | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **8/90233/1/CWLSB043** | **0** | **26-02-2024** | **67** | **AX90** | | | **HEA** | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-02-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB044** | **0** | **27-02-2024** | **69** | **AX25** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90233/1/CWLSB044** | **0** | **27-02-2024** | **69** | **AX25** | | | **HEA** | **340,00 mm** | **9,50 mm** | **K** | **0,314 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-03-2024** |
| I | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **3/90233/1/CWLSB044** | **0** | **27-02-2024** | **69** | **AX25** | | | **PL** | **642,00 mm** | **15,00 mm** | **K** | **0,645 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-03-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB045** | **0** | **23-02-2024** | **61** | **AX90** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-03-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90233/1/CWLSB045** | **0** | **23-02-2024** | **61** | **AX90** | | | **HEA** | **340,00 mm** | **9,50 mm** | **K** | **0,314 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-03-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **3/90233/1/CWLSB045** | **0** | **29-02-2024** | **79** | **AX84** | | | **PL** | **642,00 mm** | **15,00 mm** | **K** | **0,645 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-03-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90233/1/CWLSB046** | **0** | **24-02-2024** | **62** | **AX25** | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90233/1/CWLSB046** | **0** | **24-02-2024** | **62** | **AX25** | **HEA** | | **340,00 mm** | **9,50 mm** | **K** | **0,314 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **3/90233/1/CWLSB046** | **0** | **24-02-2024** | **62** | **AX25** | **PL** | | **642,00 mm** | **15,00 mm** | **K** | **0,645 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB047** | **0** | **23-02-2024** | **61** | **AX90** | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90233/1/CWLSB047** | **0** | **23-02-2024** | **61** | **AX90** | **HEA** | | **340,00 mm** | **9,50 mm** | **K** | **0,314 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **3/90233/1/CWLSB047** | **0** | **23-02-2024** | **61** | **AX90** | **PL** | | **642,00 mm** | **15,00 mm** | **K** | **0,645 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB048** | **0** | **22-02-2024** | **57** | **AX429** | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90233/1/CWLSB048** | **0** | **22-02-2024** | **57** | **AX429** | **HEA** | | **340,00 mm** | **7,50 mm** | **K** | **0,314 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **3/90233/1/CWLSB048** | **0** | **22-02-2024** | **57** | **AX429** | **PL** | | **642,00 mm** | **15,00 mm** | **K** | **0,645 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90233/1/CWLSB049** | | **0** | **23-02-2024** | **56** | **AX394** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB050** | | **0** | **04-03-2024** | **91** | **AX427** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-03-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 10 % | 000061 | 2 | Acceptable | | | | | 11-03-2024 | | |
| **1/90233/1/CWLSB051** | | **0** | **04-03-2024** | **91** | **AX427** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-03-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 10 % | 000063 | 2 | Acceptable | | | | | 12-03-2024 | | |
| **1/90233/1/CWLSB053** | | **0** | **27-02-2024** | **68** | **AX409** | | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB054** | | **0** | **22-02-2024** | **54** | **AX426** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90233/1/CWLSB054** | | **0** | **22-02-2024** | **54** | **AX426** | | | **HEA** | **340,00 mm** | **9,50 mm** | **K** | **0,314 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **3/90233/1/CWLSB054** | | **0** | **22-02-2024** | **54** | **AX426** | | | **PL** | **642,00 mm** | **15,00 mm** | **K** | **0,645 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | | Defect length | CND date | NOTE | |
| **1/90233/1/CWLSB056** | **0** | **22-02-2024** | **65** | **AX426** | | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-03-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90233/1/CWLSB056** | **0** | **22-02-2024** | **65** | **AX426** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,318 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-03-2024** |
| I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000042 | 1 | Acceptable | | | | | 29-02-2024 | | |
| **3/90233/1/CWLSB056** | **0** | **29-02-2024** | **79** | **AX426** | | | **PL** | **322,00 mm** | **10,00 mm** | **K** | **0,650 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-03-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB057** | **0** | **22-02-2024** | **54** | **AX73** | | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-02-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90233/1/CWLSB057** | **0** | **22-02-2024** | **54** | **AX73** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,318 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-02-2024** |
| I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000039 | 1 | Acceptable | | | | | 29-02-2024 | | |
| **3/90233/1/CWLSB057** | **0** | **22-02-2024** | **54** | **AX73** | | | **PL** | **322,00 mm** | **10,00 mm** | **1/2V** | **0,650 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-02-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB058** | **0** | **22-02-2024** | **65** | **AX73** | | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-03-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90233/1/CWLSB059** | | **0** | **22-02-2024** | **54** | **AX394** | | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB060** | | **0** | **22-02-2024** | **54** | **AX394** | | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB061** | | **0** | **23-02-2024** | **56** | **AX394** | | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90233/1/CWLSB061** | | **0** | **23-02-2024** | **56** | **AX394** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,005 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000040 | 1 | Acceptable | | | | | 29-02-2024 | | |
| **3/90233/1/CWLSB061** | | **0** | **23-02-2024** | **56** | **AX394** | | | **PL** | **317,00 mm** | **10,00 mm** | **K** | **0,645 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB062** | | **0** | **01-03-2024** | **92** | **AX90** | | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB063** | | **0** | **01-03-2024** | **92** | **AX426** | | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90233/1/CWLSB064** | | **0** | **23-02-2024** | **61** | **AX410** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **1/90233/1/CWLSB065** | | **0** | **01-03-2024** | **92** | **AX90** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **1/90233/1/CWLSB066** | | **0** | **01-03-2024** | **92** | **AX426** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **1/90233/1/CWLSB067** | | **0** | **01-03-2024** | **92** | **AX90** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **1/90233/1/CWLSB068** | | **0** | **01-03-2024** | **92** | **AX426** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **1/90233/1/CWLSB069** | | **0** | **21-02-2024** | **47** | **AX84** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-02-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **1/90233/1/CWLSB070** | | **0** | **20-02-2024** | **59** | **AX410** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-03-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90233/1/CWLSB071** | | **0** | **20-02-2024** | **59** | **AX410** | | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **06-03-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB072** | | **0** | **23-02-2024** | **56** | **AX410** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90233/1/CWLSB073** | | **0** | **23-02-2024** | **61** | **AX410** | | | **IPE** | **330,00 mm** | **9,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90233/1/CWLSB073** | | **0** | **23-02-2024** | **61-112** | **AX410** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,271 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-03-2024** |
| | | | | | **AX84** | **Repair done** | | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000044 | 1 | Repair | | | | 0,010 m | 29-02-2024 | | |
| | | RT | R 1 DRI | After Repair | | IDL-QCI-RT 0036 01 | PR | 100 % | 000062 | 1 | Acceptable | | | | | 12-03-2024 | | |
| **1/90233/1/CWLSB074** | | **0** | **21-02-2024** | **47** | **AX426** | | | **IPE** | **330,00 mm** | **9,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90233/1/CWLSB074** | | **0** | **21-02-2024** | **47** | **AX426** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,271 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000038 | 1 | Acceptable | | | | | 29-02-2024 | | |
| **1/90233/1/CWLSB107** | | **0** | **24-02-2024** | **62** | **AX429** | | | **IPE** | **330,00 mm** | **9,50 mm** | **1/2V** | **0,011 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90233/1/CWLSB107** | | **0** | **24-02-2024** | **62** | **AX429** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,279 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000043 | 1 | Acceptable | | | | | 29-02-2024 | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90233/1/CWLSB108** | | **0** | **04-03-2024** | **104** | **AX425** | | | **IPE** | **330,00 mm** | **9,50 mm** | **1/2V** | **0,011 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-03-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 10 % | | 1 | Acceptable | | | | | | | |
| **2/90233/1/CWLSB108** | | **0** | **04-03-2024** | **104** | **AX425** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,279 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **25-03-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 100 % | 000068 | 1 | Acceptable | | | | | 25-03-2024 | | |
| **1/90233/1/CWLSB114** | | **0** | **21-02-2024** | **47** | **AX84** | | | **IPE** | **330,00 mm** | **9,50 mm** | **1/2V** | **0,011 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-02-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90233/1/CWLSB114** | | **0** | **21-02-2024** | **47** | **AX84** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,279 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-02-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000037 | 1 | Acceptable | | | | | 29-02-2024 | | |
| **1/90233/1/CWLSB115** | | **0** | **28-02-2024** | **74** | **AX426** | | | **IPE** | **330,00 mm** | **9,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-03-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 10 % | 000054 | 2 | Acceptable | | | | | 05-03-2024 | | |
| **2/90233/1/CWLSB115** | | **0** | **28-02-2024** | **74** | **AX426** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,279 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-03-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 100 % | 000055 | 2 | Acceptable | | | | | 05-03-2024 | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90233** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **22,55 m** | **78 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **22,55 m** | **78 Nr. Welds** |
| | | **Accepted** | **22,55 m** | **78 Nr. Welds** |
| | | **Repaired** | **0,01 m** | **1 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90235/1/CWLSB120** | **1** | **01-03-2024** | **76** | **AX425** | | **IPE** | **330,00 mm** | **15,00 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **06-03-2024** |
| | I | RT | FIN | Weld Completion | | 10 % | | | Acceptable | | | | | | | |
| **1/90235/1/CWLSB122** | **1** | **21-02-2024** | **45** | **AX394** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-02-2024** |
| | I | RT | FIN | Weld Completion | | 10 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90235** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **0,32 m** | **2 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,32 m** | **2 Nr. Welds** |
| | | **Accepted** | **0,32 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **8/90236/1/CWLSB121** | **1** | **01-03-2024** | **76** | **AX393** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-03-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **8/90236/1/CWLSB123** | **1** | **21-02-2024** | **45** | **AX394** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-02-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90236** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **0,32 m** | **2 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,32 m** | **2 Nr. Welds** |
| | | **Accepted** | **0,32 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2/90251/1/CWUSB003** | | **0** | **04-05-2024** | **270** | **AX416** | | | **HEA** | **340,00 mm** | **9,50 mm** | **K** | **0,314 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-05-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **3/90251/1/CWUSB003** | | **0** | **04-05-2024** | **270** | **AX416** | | | **PL** | **642,00 mm** | **15,00 mm** | **K** | **0,645 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-05-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90251/1/CWUSB004** | | **0** | **03-05-2024** | **267** | **AX414** | | | **HEA** | **340,00 mm** | **9,50 mm** | **K** | **0,314 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-05-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **3/90251/1/CWUSB004** | | **0** | **03-05-2024** | **267-300** | **AX414** | | | **PL** | **642,00 mm** | **15,00 mm** | **K** | **0,645 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-05-2024** |
| | | | | | **AX90** | **Repair done** | | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000105 | 2 | Repair | | | | 0,100 m | 09-05-2024 | | |
| | | RT | R 1 DRI | After Repair | | IDL-QCI-RT 0036 01 | PR | 10 % | 000110 | 2 | Acceptable | | | | | 16-05-2024 | | |
| **2/90251/1/CWUSB005** | | **0** | **14-05-2024** | **292** | **AX90** | | | **HEA** | **340,00 mm** | **9,50 mm** | **K** | **0,314 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-05-2024** |
| | III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000111 | 1 | Acceptable | | | | | 16-05-2024 | | |
| **3/90251/1/CWUSB005** | | **0** | **14-05-2024** | **292** | **AX90** | | | **PL** | **642,00 mm** | **15,00 mm** | **K** | **0,645 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-05-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90251/1/CWUSB006** | | **0** | **10-05-2024** | **294** | **AX416** | | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-05-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90251/1/CWUSB007** | | **0** | **15-04-2024** | **220** | **AX238** | | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **18-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90251/1/CWUSB011** | | **0** | **13-05-2024** | **289** | **AX414** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,319 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-05-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000113 | 1 | Acceptable | | | | | 19-05-2024 | | |
| **3/90251/1/CWUSB011** | | **0** | **13-05-2024** | **289** | **AX414** | | | **PL** | **312,00 mm** | **10,00 mm** | **K** | **0,630 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-05-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90251/1/CWUSB012** | | **0** | **19-04-2024** | **235** | **AX410** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,319 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **22-04-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000085 | 1 | Acceptable | | | | | 22-04-2024 | | |
| **3/90251/1/CWUSB012** | | **0** | **19-04-2024** | **235** | **AX410** | | | **PL** | **312,00 mm** | **10,00 mm** | **K** | **0,630 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **22-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90251/1/CWUSB013** | | **0** | **13-05-2024** | **289** | **AX416** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,319 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-05-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 100 % | 000109 | 1 | Acceptable | | | | | 16-05-2024 | | |
| **3/90251/1/CWUSB013** | | **0** | **13-05-2024** | **289** | **AX416** | | | **PL** | **312,00 mm** | **10,00 mm** | **K** | **0,630 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-05-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2/90251/1/CWUSB017** | | **0** | **19-04-2024** | **235** | **AX238** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,307 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **22-04-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000086 | 1 | Acceptable | | | | | 22-04-2024 | | |
| **2/90251/1/CWUSB018** | | **0** | **10-05-2024** | **294** | **AX414** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,279 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-05-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000114 | 1 | Acceptable | | | | | 19-05-2024 | | |
| **1/90251/1/CWUSB023** | | **0** | **04-05-2024** | **270** | **AX90** | | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-05-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000103 | 2 | Acceptable | | | | | 09-05-2024 | | |
| **2/90251/1/CWUSB023** | | **0** | **04-05-2024** | **270** | **AX90** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,319 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-05-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000104 | 1 | Acceptable | | | | | 09-05-2024 | | |
| **3/90251/1/CWUSB023** | | **0** | **04-05-2024** | **270** | **AX90** | | | **PL** | **322,00 mm** | **10,00 mm** | **K** | **0,650 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-05-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 10 % | 000107 | 1 | Acceptable | | | | | 09-05-2024 | | |
| **1/90251/1/CWUSB024** | | **0** | **18-04-2024** | **230** | **AX90** | | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90251/1/CWUSB024** | | **0** | **18-04-2024** | **230** | **AX90** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,330 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **24-04-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000092 | 1 | Acceptable | | | | | 24-04-2024 | | |
| **3/90251/1/CWUSB024** | | **0** | **20-04-2024** | **240** | **AX25** | | | **PL** | **322,00 mm** | **10,00 mm** | **K** | **0,650 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **23-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **2/90251/1/CWUSB025** | **0** | **10-05-2024** | **286** | **AX90** | | **HEA** | **340,00 mm** | **9,50 mm** | **K** | **0,314 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-05-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90251/1/CWUSB025** | **0** | **10-05-2024** | **286** | **AX90** | | **PL** | **642,00 mm** | **15,00 mm** | **K** | **0,645 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-05-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90251/1/CWUSB026** | **0** | **29-03-2024** | **179** | **AX238** | | **HEA** | **340,00 mm** | **9,50 mm** | **K** | **0,314 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-04-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90251/1/CWUSB026** | **0** | **29-03-2024** | **179** | **AX238** | | **PL** | **642,00 mm** | **15,00 mm** | **K** | **0,645 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90251/1/CWUSB030** | **0** | **16-04-2024** | **223** | **AX426** | | **HEA** | **340,00 mm** | **9,50 mm** | **K** | **0,314 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **23-04-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90251/1/CWUSB030** | **0** | **16-04-2024** | **223** | **AX426** | | **PL** | **642,00 mm** | **15,00 mm** | **K** | **0,645 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **23-04-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90251/1/CWUSB038** | **0** | **08-05-2024** | **279** | **AX90** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-05-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90251/1/CWUSB039** | | **0** | **18-04-2024** | **230** | **AX90** | | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90251/1/CWUSB060** | | **0** | **12-04-2024** | **217** | **AX84** | | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **18-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90251/1/CWUSB062** | | **0** | **11-04-2024** | **218** | **AX84** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,319 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **22-04-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000087 | 1 | Acceptable | | | | | 22-04-2024 | | |
| **3/90251/1/CWUSB062** | | **0** | **11-04-2024** | **218** | **AX84** | | | **PL** | **312,00 mm** | **10,00 mm** | **K** | **0,630 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **18-04-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90251/1/CWUSB064** | | **0** | **12-04-2024** | **217** | **AX84** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,307 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **22-04-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000088 | 1 | Acceptable | | | | | 22-04-2024 | | |
| **2/90251/1/CWUSB065** | | **0** | **13-05-2024** | **289** | **AX416** | | | **IPE** | **330,00 mm** | **7,50 mm** | **K** | **0,279 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-05-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 100 % | 000108 | 1 | Acceptable | | | | | 16-05-2024 | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90251** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **13,81 m** | **35 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **13,81 m** | **35 Nr. Welds** |
| | | **Accepted** | **13,81 m** | **35 Nr. Welds** |
| | | **Repaired** | **0,10 m** | **1 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90252/1/CWUSB001** | **2** | **15-04-2024** | **220** | **AX425** | | | **HEA** | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-04-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90252/1/CWUSB002** | **2** | **11-04-2024** | **218** | **AX393** | | | **HEA** | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-04-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90252/1/CWUSB002** | **2** | **11-04-2024** | **218** | **AX393** | | | **HEA** | **500,00 mm** | **12,00 mm** | **K** | **0,475 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-04-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **3/90252/1/CWUSB002** | **2** | **11-04-2024** | **218** | **AX393** | | | **PL** | **483,50 mm** | **15,00 mm** | **K** | **0,485 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-04-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90252/1/CWUSB040** | **2** | **16-04-2024** | **222** | **AX238** | | | **HEA** | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **23-04-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **4/90252/1/CWUSB041** | **2** | **18-04-2024** | **233** | **AX427** | | | **HEA** | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-04-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **1/90252/1/CWUSB042** | **2** | **11-04-2024** | **218** | **AX427** | | | **HEA** | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-04-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **2/90252/1/CWUSB042** | **2** | **11-04-2024** | **218** | **AX427** | | | **HEA** | **500,00 mm** | **12,00 mm** | **K** | **0,475 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-04-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| **3/90252/1/CWUSB042** | **2** | **11-04-2024** | **218** | **AX427** | | | **PL** | **483,50 mm** | **15,00 mm** | **K** | **0,485 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-04-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90252/1/CWUSB084** | | **2** | **03-05-2024** | **267-300** | **AX411** | | **HEA** | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-05-2024** |
| | | | | | **AX90 Repair done** | | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 10 % | 000106 | 2 | Repair | | | | 0,020 m | 09-05-2024 | | |
| | | RT | R 1 DRI | After Repair | IDL-QCI-RT 0036 01 | AA | 10 % | 000112 | 2 | Acceptable | | | | | 19-05-2024 | | |
| **6/90252/1/CWUSB084** | | **2** | **03-05-2024** | **267** | **AX411** | | **HEA** | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-05-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90252/1/CWUSB085** | | **2** | **18-04-2024** | **243** | **AX90** | | **HEA** | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **24-05-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90252/1/CWUSB085** | | **2** | **18-04-2024** | **243** | **AX90** | | **HEA** | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **24-05-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90252/1/CWUSB086** | | **2** | **16-04-2024** | **252** | **AX416** | | **HEA** | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90252/1/CWUSB086** | | **2** | **16-04-2024** | **252** | **AX416** | | **HEA** | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90252/1/CWUSB123** | | **2** | **09-04-2024** | **213** | **AX426** | | **HEA** | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90252/1/CWUSB123** | | **2** | **09-04-2024** | **213** | **AX426** | | **HEA** | **500,00 mm** | **23,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Class | Insp. Category | Rev. | Cont. | Prod. Date | Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type | Exam. % | Dimension | N. Rep | Thickness | Films n. | Bevel | Result | Weld Length | WPS Rip. | P/M | Techn. Weld. | Material | Defect length | WPS | CND date | Techn. Weld. | NOTE | Type Cont. | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90252/1/CWUSB124** | I | | **2** | RT | **09-04-2024** | FIN | **200** | **AX426** | | | **HEA** | 10 % | **500,00 mm** | | **23,00 mm** | | **1/2V** | Acceptable | **0,300 m** | | **M** | | **C.S.** | | **2A** | **FCAW** | | | **BW** | **12-04-2024** |
| **6/90252/1/CWUSB124** | I | | **2** | RT | **09-04-2024** | FIN | **200** | **AX426** | | | **HEA** | 10 % | **500,00 mm** | | **23,00 mm** | | **1/2V** | Acceptable | **0,300 m** | | **M** | | **C.S.** | | **2A** | **FCAW** | | | **BW** | **12-04-2024** |
| **1/90252/1/CWUSB125** | I | | **2** | RT | **15-04-2024** | FIN | **254** | **AX394** | | | **HEA** | 10 % | **500,00 mm** | | **23,00 mm** | | **1/2V** | Acceptable | **0,300 m** | | **M** | | **C.S.** | | **2A** | **FCAW** | | | **BW** | **29-04-2024** |
| **6/90252/1/CWUSB125** | I | | **2** | RT | **15-04-2024** | FIN | **254** | **AX394** | | | **HEA** | 10 % | **500,00 mm** | | **23,00 mm** | | **1/2V** | Acceptable | **0,300 m** | | **M** | | **C.S.** | | **2A** | **FCAW** | | | **BW** | **29-04-2024** |
| **1/90252/1/CWUSB126** | I | | **2** | RT | **15-04-2024** | FIN | **254** | **AX394** | | | **HEA** | 10 % | **500,00 mm** | | **23,00 mm** | | **1/2V** | Acceptable | **0,300 m** | | **M** | | **C.S.** | | **2A** | **FCAW** | | | **BW** | **29-04-2024** |
| **6/90252/1/CWUSB126** | I | | **2** | RT | **15-04-2024** | FIN | **254** | **AX394** | | | **HEA** | 10 % | **500,00 mm** | | **23,00 mm** | | **1/2V** | Acceptable | **0,300 m** | | **M** | | **C.S.** | | **2A** | **FCAW** | | | **BW** | **29-04-2024** |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90252** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **7,64 m** | **23 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **7,64 m** | **23 Nr. Welds** |
| | | **Accepted** | **7,64 m** | **23 Nr. Welds** |
| | | **Repaired** | **0,02 m** | **1 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure
Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **2/90285/1/CWLG005** | | **0** | **20-02-2024** | **35** | **AX416** | | | **PIPE** | **406,40 mm** | **12,70 mm** | **V** | **1,276 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| | III | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 5 % | 000030 | 1 | Acceptable | | | | 28-02-2024 | | |
| **2/90285/1/CWLG006** | | **0** | **20-02-2024** | **35** | **AX416** | | | **PIPE** | **406,40 mm** | **12,70 mm** | **V** | **1,276 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-02-2024** |
| | III | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 5 % | 000031 | 1 | Acceptable | | | | 28-02-2024 | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90285** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **2,56 m** | **2 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,56 m** | **2 Nr. Welds** |
| | | **Accepted** | **2,56 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90286/1/CWLG011** | | **0** | **12-08-2024** | **378** | **AX416** | | **PIPE** | **800,00 mm** | **20,00 mm** | **V** | **2,540 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-09-2024** |
| I | | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | PR | 10 % | 000176 | 1 | Acceptable | | | | 01-09-2024 | | |
| **2/90286/1/CWLG011** | | **0** | **17-02-2024** | **33** | **AX84** | | **PIPE** | **800,00 mm** | **20,00 mm** | **V** | **2,544 m** | **M** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **28-02-2024** |
| | | | | | **AX416** | | | | | | | | | | | |
| I | | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 10 % | 000032 | 1 | Acceptable | | | | 28-02-2024 | | |
| **1/90286/1/CWLG013** | | **0** | **16-08-2024** | **381** | **AX416** | | **PIPE** | **800,00 mm** | **20,00 mm** | **V** | **2,540 m** | **M** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **20-08-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| RT not executable | | | | | | | | | | | | | | | | |
| **2/90286/1/CWLG013** | | **0** | **17-02-2024** | **33** | **AX84** | | **PIPE** | **800,00 mm** | **20,00 mm** | **V** | **2,540 m** | **M** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **28-02-2024** |
| | | | | | **AX416** | | | | | | | | | | | |
| I | | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 10 % | 000033 | 1 | Acceptable | | | | 28-02-2024 | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90286** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **10,16 m** | **4 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **10,16 m** | **4 Nr. Welds** |
| | | **Accepted** | **10,16 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90288/1/CWLG012** | | **0** | **12-08-2024** | **376** | **AX414** | | | **PIPE** | **800,00 mm** | **20,00 mm** | **V** | **2,540 m** | **M** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **19-08-2024** |
| | I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | |
| | RT not executable | | | | | | | | | | | | | | | | | |
| **2/90288/1/CWLG012** | | **0** | **13-03-2024** | **133** | **AX84** **AX416** | | | **PIPE** | **800,00 mm** | **20,00 mm** | **V** | **2,542 m** | **M** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **25-03-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 10 % | 000066 | 1 | Acceptable | | | | | 25-03-2024 | | |
| **1/90288/1/CWLG014** | | **0** | **10-08-2024** | **377-426** | **AX411** **AX416** | **Welding + Repair done** | | **PIPE** | **800,00 mm** | **20,00 mm** | **V** | **2,532 m** | **M** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **02-10-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 10 % | 000177 | 1 | Repair | | | | 0,040 m | 01-09-2024 | | |
| | | RT | R 1 DRI | After Repair | | IDL-QCI-RT 0036 01 | PR | 10 % | 000180 | 1 | Acceptable | | | | | 02-10-2024 | | |
| **2/90288/1/CWLG014** | | **0** | **15-03-2024** | **141** | **AX84** **AX416** | | | **PIPE** | **800,00 mm** | **20,00 mm** | **V** | **2,532 m** | **M** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **25-03-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 10 % | 000065 | 1 | Acceptable | | | | | 25-03-2024 | | |

| **Totals per DWG** | **90288** | | | |
|---|---|---|---|---|
| | | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **10,14 m** | **4 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **10,14 m** | **4 Nr. Welds** |
| | | **Accepted** | **10,14 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,04 m** | **1 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **2/90289/1/CWLG007** | **0** | **14-02-2024** | **49** | **AX416** | | | **PIPE** | **406,40 mm** | **12,70 mm** | **V** | **1,276 m** | **M** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **29-02-2024** |
| III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 5 % | 000034 | 1 | Acceptable | | | | 29-02-2024 | | |
| **2/90289/1/CWLG008** | **0** | **14-02-2024** | **49** | **AX416** | | | **PIPE** | **406,40 mm** | **12,70 mm** | **V** | **1,276 m** | **M** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **29-02-2024** |
| III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 5 % | 000036 | 1 | Acceptable | | | | 29-02-2024 | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90289** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **2,56 m** | **2 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,56 m** | **2 Nr. Welds** |
| | | **Accepted** | **2,56 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2/90314/1/CWUTB102** | | **2** | **28-03-2024** | **178** | **AX394** | | | **IPE** | **240,00 mm** | **6,20 mm** | **K** | **0,230 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **11-04-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000072 | 1 | Acceptable | | | | | 11-04-2024 | | |
| **4/90314/1/CWUTB103** | | **2** | **10-04-2024** | **209** | **AX73** | | | **IPE** | **240,00 mm** | **6,20 mm** | **K** | **0,230 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **23-04-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 100 % | 000082 | 1 | Acceptable | | | | | 16-04-2024 | | |
| **4/90314/1/CWUTB104** | | **2** | **26-03-2024** | **203** | **AX394** | | | **IPE** | **240,00 mm** | **6,20 mm** | **K** | **0,230 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **22-04-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000089 | 1 | Acceptable | | | | | 22-04-2024 | | |
| **2/90314/1/CWUTB105** | | **2** | **10-04-2024** | **209** | **AX394** | | | **IPE** | **240,00 mm** | **6,20 mm** | **K** | **0,230 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **23-04-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000070 | 1 | Acceptable | | | | | 11-04-2024 | | |
| **2/90314/1/CWUTB106** | | **2** | **09-04-2024** | **208** | **AX394** | | | **IPE** | **240,00 mm** | **6,20 mm** | **K** | **0,230 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-04-2024** |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000069 | 1 | Acceptable | | | | | 11-04-2024 | | |
| **4/90314/1/CWUTB107** | | **2** | **26-03-2024** | **181-229-246** | **AX238** | | | **IPE** | **240,00 mm** | **6,20 mm** | **K** | **0,230 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **25-04-2024** |
| | | | | | **AX25** | **Repair done** | | | | | | | | | | | | |
| | | | | | **AX90** | **Repair done** | | | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000073 | 1 | Repair | | | | 0,020 m | 11-04-2024 | | |
| | | RT | R 1 DRI | After Repair | | IDL-QCI-RT 0036 01 | AA | 100 % | 000090 | 1 | Repair | | | | 0,015 m | 22-04-2024 | | |
| | | RT | R 2 DRI | After Repair | | IDL-QCI-RT 0036 01 | AA | 100 % | 000091 | 1 | Acceptable | | | | | 25-04-2024 | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure
Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **4/90314/1/CWUTB108** | **2** | **10-04-2024** | **209** | **AX73** | | | **IPE** | **240,00 mm** | **6,20 mm** | **K** | **0,230 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-04-2024** |
| I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 100 % | 000081 | 1 | Acceptable | | | | 16-04-2024 | | |
| **2/90314/1/CWUTB109** | **2** | **25-03-2024** | **204** | **AX238** | | | **IPE** | **240,00 mm** | **6,20 mm** | **K** | **0,230 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-04-2024** |
| I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | AA | 100 % | 000071 | 1 | Acceptable | | | | 11-04-2024 | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90314** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **1,84 m** | **8 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,84 m** | **8 Nr. Welds** |
| | | **Accepted** | **1,84 m** | **8 Nr. Welds** |
| | | **Repaired** | **0,04 m** | **2 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **22/90353/1/CWULT001** | | **1** | **17-04-2024** | **2** | **SID_E** | | **PIPE** | **820,00 mm** | **40,00 mm** | **X** | **1,109 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **22-04-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | CL | 10 % | 000099 | 3 | Acceptable | | | | 22-04-2024 | | | |
| **23/90353/1/CWULT001** | | **1** | **17-04-2024** | **1** | **SID_CW** | | **PIPE** | **700,00 mm** | **35,00 mm** | **X** | **0,333 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **19-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **24/90353/1/CWULT001** | | **1** | **17-04-2024** | **1** | **SID_CW** | | **PIPE** | **700,00 mm** | **35,00 mm** | **X** | **0,333 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **19-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **22/90353/1/CWULT002** | | **1** | **17-04-2024** | **2** | **SID_E** | | **PIPE** | **820,00 mm** | **40,00 mm** | **X** | **1,109 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **22-04-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | CL | 10 % | 000100 | 3 | Acceptable | | | | 22-04-2024 | | | |
| **23/90353/1/CWULT002** | | **1** | **17-04-2024** | **1** | **SID_CW** | | **PIPE** | **700,00 mm** | **35,00 mm** | **X** | **0,333 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **19-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **24/90353/1/CWULT002** | | **1** | **17-04-2024** | **1** | **SID_CW** | | **PIPE** | **700,00 mm** | **35,00 mm** | **X** | **0,333 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **19-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **22/90353/1/CWULT003** | | **1** | **17-04-2024** | **2** | **SID_E** | | **PIPE** | **820,00 mm** | **40,00 mm** | **X** | **1,109 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **22-04-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | CL | 10 % | 000101 | 3 | Acceptable | | | | 22-04-2024 | | | |
| **23/90353/1/CWULT003** | | **1** | **17-04-2024** | **1** | **SID_C** | | **PIPE** | **700,00 mm** | **35,00 mm** | **X** | **0,334 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **19-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **24/90353/1/CWULT003** | | **1** | **17-04-2024** | **1** | **SID_C** | | **PIPE** | **700,00 mm** | **35,00 mm** | **X** | **0,333 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **19-04-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **22/90353/1/CWULT004** | **1** | **17-04-2024** | **2** | **SID_CW** | | | **PIPE** | **820,00 mm** | **40,00 mm** | **X** | **1,110 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **22-04-2024** |
| I | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | CL | 10 % | 000102 | 3 | Acceptable | | | | 22-04-2024 | | |
| **23/90353/1/CWULT004** | **1** | **17-04-2024** | **1** | **SID_C** | | | **PIPE** | **700,00 mm** | **35,00 mm** | **X** | **0,330 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **19-04-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | |
| **24/90353/1/CWULT004** | **1** | **17-04-2024** | **1** | **SID_C** | | | **PIPE** | **700,00 mm** | **35,00 mm** | **X** | **0,333 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **19-04-2024** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | |

| | | | |
|---|---|---|---|
| **Totals per DWG** | **90353** | **Prefabrication** | **7,08 m** | **12 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **7,08 m** | **12 Nr. Welds** |
| | | **Accepted** | **7,08 m** | **12 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90393/1/CWWN029** | | **0** | **29-05-2024** | **14** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **2/90393/1/CWWN029** | | **0** | **29-05-2024** | **14** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **11-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90393/1/CWWN029** | | **0** | **29-05-2024** | **14** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **6/90393/1/CWWN029** | | **0** | **29-05-2024** | **14** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90393** | **Prefabrication** | **1,20 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,20 m** | **4 Nr. Welds** |
| | | **Accepted** | **1,20 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90394/1/CWWN030** | | **0** | **22-05-2024** | **9** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **05-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **2/90394/1/CWWN030** | | **0** | **22-05-2024** | **9** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **29-05-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90394/1/CWWN030** | | **0** | **22-05-2024** | **9** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **05-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **6/90394/1/CWWN030** | | **0** | **22-05-2024** | **9** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **05-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90394** | **Prefabrication** | **1,20 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,20 m** | **4 Nr. Welds** |
| | | **Accepted** | **1,20 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90406/1/CWWN022** | | **0** | **12-06-2024** | **18** | **OB MA** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,064 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **18-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **2/90406/1/CWWN022** | | **0** | **12-06-2024** | **18** | **OB MA** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,064 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **4/90406/1/CWWN022** | | **0** | **12-06-2024** | **18** | **OB MA** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,064 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90406/1/CWWN022** | | **0** | **12-06-2024** | **18** | **OB MA** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,064 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **18-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90406** | **Prefabrication** | **0,24 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,24 m** | **4 Nr. Welds** |
| | | **Accepted** | **0,24 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90407/1/CWWN023** | | **0** | **06-06-2024** | **16** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,064 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **2/90407/1/CWWN023** | | **0** | **06-06-2024** | **16** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,064 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **18-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **4/90407/1/CWWN023** | | **0** | **06-06-2024** | **16** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,064 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **18-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **5/90407/1/CWWN023** | | **0** | **06-06-2024** | **16** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,064 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90407** | **Prefabrication** | **0,24 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,24 m** | **4 Nr. Welds** |
| | | **Accepted** | **0,24 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90420/1/CWWS026** | | **0** | **05-07-2024** | **26** | **OB MV** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **2/90420/1/CWWS026** | | **0** | **05-07-2024** | **26** | **OB MV** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90420/1/CWWS026** | | **0** | **05-07-2024** | **26** | **OB MV** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **6/90420/1/CWWS026** | | **0** | **05-07-2024** | **26** | **OB MV** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90420** | **Prefabrication** | **1,20 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,20 m** | **4 Nr. Welds** |
| | | **Accepted** | **1,20 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90421/1/CWWS027** | | **0** | **26-06-2024** | **23** | **OB ML** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **2/90421/1/CWWS027** | | **0** | **26-06-2024** | **23** | **OB ML** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90421/1/CWWS027** | | **0** | **26-06-2024** | **23** | **OB ML** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **6/90421/1/CWWS027** | | **0** | **26-06-2024** | **24** | **OB ML** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90421** | **Prefabrication** | **1,20 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,20 m** | **4 Nr. Welds** |
| | | **Accepted** | **1,20 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | | |
| **4/90436/1/CWWS077** | | **0** | **24-07-2024** | **41** | **OB BM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,064 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **5/90436/1/CWWS077** | | **0** | **24-07-2024** | **41** | **OB BM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,064 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **7/90436/1/CWWS077** | | **0** | **24-07-2024** | **41** | **OB BM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,064 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **8/90436/1/CWWS077** | | **0** | **24-07-2024** | **41** | **OB BM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,064 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90436** | **Prefabrication** | **0,24 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,24 m** | **4 Nr. Welds** |
| | | **Accepted** | **0,24 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **4/90437/1/CWWS078** | | **0** | **24-07-2024** | **41** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,064 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90437/1/CWWS078** | | **0** | **24-07-2024** | **41** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,064 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **7/90437/1/CWWS078** | | **0** | **24-07-2024** | **41** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,064 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **8/90437/1/CWWS078** | | **0** | **24-07-2024** | **41** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,064 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90437** | **Prefabrication** | **0,24 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,24 m** | **4 Nr. Welds** |
| | | **Accepted** | **0,24 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90450/1/CWWN024** | **0** | **24-05-2024** | **1** | **OB NM** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90450/1/CWWN024** | **0** | **24-05-2024** | **1** | **OB NM** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90450/1/CWWN024** | **0** | **14-06-2024** | **10** | **OB MA** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90450/1/CWWN024** | **0** | **14-06-2024** | **10** | **OB MA** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **1/90450/1/CWWN025** | **0** | **13-06-2024** | **9** | **OB ML** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90450/1/CWWN025** | **0** | **13-06-2024** | **9** | **OB ML** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90450/1/CWWN025** | **0** | **24-05-2024** | **1** | **OB NM** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-05-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90450/1/CWWN025** | **0** | **24-05-2024** | **1** | **OB NM** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **29-05-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type | Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90450/1/CWWN026** | | **0** | **27-05-2024** | **3** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-06-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90450/1/CWWN026** | | **0** | **27-05-2024** | **3** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-06-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90450/1/CWWN026** | | **0** | **14-06-2024** | **10** | **OB ML** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-06-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90450/1/CWWN026** | | **0** | **14-06-2024** | **10** | **OB ML** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-06-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **1/90450/1/CWWN027** | | **0** | **13-06-2024** | **9** | **OB ML** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-06-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90450/1/CWWN027** | | **0** | **13-06-2024** | **9** | **OB ML** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-06-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90450/1/CWWN027** | | **0** | **27-05-2024** | **3** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-05-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90450/1/CWWN027** | | **0** | **27-05-2024** | **3** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-06-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90450** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **4,80 m** | **16 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **4,80 m** | **16 Nr. Welds** |
| | | **Accepted** | **4,80 m** | **16 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90451/1/CWWN018** | | **1** | **14-06-2024** | **10** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **5/90451/1/CWWN018** | | **1** | **14-06-2024** | **10** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **6/90451/1/CWWN018** | | **1** | **14-06-2024** | **10** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **10/90451/1/CWWN018** | | **1** | **14-06-2024** | **10** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **1/90451/1/CWWN019** | | **1** | **30-05-2024** | **5** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **11-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **5/90451/1/CWWN019** | | **1** | **30-05-2024** | **5** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **6/90451/1/CWWN019** | | **1** | **30-05-2024** | **5** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **11-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **10/90451/1/CWWN019** | | **1** | **30-05-2024** | **5** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **2/90451/1/CWWN029** | **1** | **13-06-2024** | **9** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-06-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90451/1/CWWN029** | **1** | **13-06-2024** | **9** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-06-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **2/90451/1/CWWN030** | **1** | **14-06-2024** | **10** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-06-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90451/1/CWWN030** | **1** | **14-06-2024** | **10** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-06-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90451** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **3,60 m** | **12 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **3,60 m** | **12 Nr. Welds** |
| | | **Accepted** | **3,60 m** | **12 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M | Material / Techn. Weld. | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90454/1/CWWN070** | | **0** | **25-06-2024** | **19** | **OB NM** | | | **PL** | **337,20 mm** | **10,00 mm** | **1/2V** | **0,312 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-07-2024** |
| | III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000143 | 2 | Acceptable | | | | | 04-07-2024 | | |
| **2/90454/1/CWWN070** | | **0** | **25-06-2024** | **19** | **OB NM** | | | **PL** | **337,20 mm** | **10,00 mm** | **1/2V** | **0,191 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-06-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **3/90454/1/CWWN070** | | **0** | **25-06-2024** | **19** | **OB NM** | | | **PL** | **337,20 mm** | **10,00 mm** | **1/2V** | **0,193 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-06-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **1/90454/1/CWWN071** | | **0** | **25-06-2024** | **19** | **OB NM** | | | **PL** | **337,20 mm** | **10,00 mm** | **1/2V** | **0,205 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-06-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **2/90454/1/CWWN071** | | **0** | **25-06-2024** | **19** | **OB NM** | | | **PL** | **337,20 mm** | **10,00 mm** | **1/2V** | **0,191 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **3/90454/1/CWWN071** | | **0** | **25-06-2024** | **19** | **OB NM** | | | **PL** | **337,20 mm** | **10,00 mm** | **1/2V** | **0,309 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-07-2024** |
| | III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000144 | 2 | Acceptable | | | | | 04-07-2024 | | |
| **1/90454/1/CWWN077** | | **0** | **25-06-2024** | **20** | **OB NM** | | | **PL** | **337,20 mm** | **10,00 mm** | **1/2V** | **0,193 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-07-2024** |
| | III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000145 | 1 | Acceptable | | | | | 04-07-2024 | | |
| **2/90454/1/CWWN077** | | **0** | **25-06-2024** | **20** | **OB NM** | | | **PL** | **337,20 mm** | **10,00 mm** | **1/2V** | **0,191 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-06-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **3/90454/1/CWWN077** | | **0** | **25-06-2024** | **20** | **OB NM** | | | **PL** | **337,20 mm** | **10,00 mm** | **1/2V** | **0,312 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **4/90454/1/CWWN077** | | **0** | **25-06-2024** | **20** | **OB NM** | | | **PL** | **337,20 mm** | **10,00 mm** | **1/2V** | **0,309 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **03-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90454/1/CWWN077** | | **0** | **25-06-2024** | **20** | **OB NM** | | | **PL** | **337,20 mm** | **10,00 mm** | **1/2V** | **0,191 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **27-06-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90454/1/CWWN077** | | **0** | **25-06-2024** | **20** | **OB NM** | | | **PL** | **337,20 mm** | **10,00 mm** | **1/2V** | **0,205 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-07-2024** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | | Defect length | CND date | NOTE | |
| **6/90454/1/CWWN077** | | **0** | **25-06-2024** | **20** | **OB NM** | | **PL** | **337,20 mm** | **10,00 mm** | **1/2V** | **0,205 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-07-2024** |
| | III | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | PR | 5 % | 000146 | 1 | Acceptable | | | | | 04-07-2024 | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90454** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **2,80 m** | **12 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,80 m** | **12 Nr. Welds** |
| | | **Accepted** | **2,80 m** | **12 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Examination phase | Prod. Date | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **3/90456/1/CWWN022** | | **0** | | **14-06-2024** | **11-24-33** | **OB MV** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-07-2024** |
| | | | | | | **OB NM** | **Welding + Repair done** | | | | | | | | | | | | |
| | III | RT | FIN | | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000132 | 2 | Repair | | | | 0,010 m | 24-06-2024 | | |
| | | RT | R 1 DRI | | After Repair | | IDL-QCI-RT 0036 01 | PR | 5 % | 000140 | 2 | Repair | | | | 0,010 m | 04-07-2024 | | |
| | | RT | R 2 DRI | | After Repair | | IDL-QCI-RT 0036 01 | PR | 5 % | 000149 | 2 | Acceptable | | | | | 12-07-2024 | | |
| **7/90456/1/CWWN022** | | **0** | | **14-06-2024** | **11** | **OB MV** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **24-06-2024** |
| | III | RT | FIN | | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000129 | 2 | Acceptable | | | | | 24-06-2024 | | |
| **3/90456/1/CWWN023** | | **0** | | **06-06-2024** | **7-24** | **OB NM** | **Welding + Repair done** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-07-2024** |
| | III | RT | FIN | | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000133 | 2 | Repair | | | | 0,010 m | 24-06-2024 | | |
| | | RT | R 1 DRI | | After Repair | | IDL-QCI-RT 0036 01 | PR | 5 % | 000139 | 2 | Acceptable | | | | | 04-07-2024 | | |
| **7/90456/1/CWWN023** | | **0** | | **06-06-2024** | **7-24** | **OB NM** | **Welding + Repair done** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-07-2024** |
| | III | RT | FIN | | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000130 | 2 | Repair | | | | 0,010 m | 24-06-2024 | | |
| | | RT | R 1 DRI | | After Repair | | IDL-QCI-RT 0036 01 | PR | 5 % | 000138 | 2 | Acceptable | | | | | 04-07-2024 | | |
| **1/90456/1/CWWN028** | | **0** | | **04-07-2024** | **28** | **OB BM** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| | III | RT | FIN | | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90456/1/CWWN028** | | **0** | | **05-07-2024** | **29** | **OB BM** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| | III | RT | FIN | | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90456/1/CWWN028** | | **0** | | **07-06-2024** | **6** | **OB NM** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **24-06-2024** |
| | III | RT | FIN | | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000128 | 2 | Acceptable | | | | | 24-06-2024 | | |
| **10/90456/1/CWWN028** | | **0** | | **07-06-2024** | **6-24-33** | **OB NM** | **Welding + Repair done** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-07-2024** |
| | III | RT | FIN | | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000131 | 2 | Repair | | | | 0,010 m | 24-06-2024 | | |
| | | RT | R 1 DRI | | After Repair | | IDL-QCI-RT 0036 01 | PR | 5 % | 000141 | 2 | Repair | | | | 0,010 m | 04-07-2024 | | |
| | | RT | R 2 DRI | | After Repair | | IDL-QCI-RT 0036 01 | PR | 5 % | 000150 | 1 | Acceptable | | | | | 12-07-2024 | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90456/1/CWWN033** | | **0** | **03-07-2024** | **27** | **OB NM** | | **PL** | **430,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **5/90456/1/CWWN033** | | **0** | **05-07-2024** | **29** | **OB NM** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-07-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90456/1/CWWN033** | | **0** | **03-07-2024** | **27** | **OB NM** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **10/90456/1/CWWN033** | | **0** | **05-07-2024** | **29** | **OB NM** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **1/90456/1/CWWN034** | | **0** | **03-07-2024** | **27** | **OB NM** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-07-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **5/90456/1/CWWN034** | | **0** | **05-07-2024** | **29** | **OB NM** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-07-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90456/1/CWWN034** | | **0** | **03-07-2024** | **27** | **OB NM** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **10/90456/1/CWWN034** | | **0** | **05-07-2024** | **29** | **OB NM** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-07-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | | |
| **1/90456/1/CWWN035** | **0** | **15-06-2024** | **12** | **OB MA** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **18-06-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **5/90456/1/CWWN035** | **0** | **15-06-2024** | **12** | **OB MA** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **18-06-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90456/1/CWWN035** | **0** | **04-07-2024** | **28** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **10/90456/1/CWWN035** | **0** | **05-07-2024** | **29** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90456** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **4,88 m** | **20 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **4,88 m** | **20 Nr. Welds** |
| | | **Accepted** | **4,88 m** | **20 Nr. Welds** |
| | | **Repaired** | **0,06 m** | **6 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Const / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90464/1/CWWS023** | | **00** | **23-07-2024** | **43** | **OB NM** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90464/1/CWWS023** | | **00** | **23-07-2024** | **43** | **OB NM** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90464/1/CWWS023** | | **00** | **11-07-2024** | **37** | **OB NM** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-07-2024** |
| | III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000154 | 2 | Acceptable | | | | | 19-07-2024 | | |
| **10/90464/1/CWWS023** | | **00** | **11-07-2024** | **37** | **OB NM** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **19-07-2024** |
| | III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000155 | 2 | Acceptable | | | | | 19-07-2024 | | |
| **1/90464/1/CWWS024** | | **00** | **11-07-2024** | **37** | **OB NM** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90464/1/CWWS024** | | **00** | **11-07-2024** | **37** | **OB NM** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-07-2024** |
| | III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000156 | 2 | Acceptable | | | | | 19-07-2024 | | |
| **6/90464/1/CWWS024** | | **00** | **23-07-2024** | **43** | **OB MA** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90464/1/CWWS024** | | **00** | **23-07-2024** | **43** | **OB MA** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90464/1/CWWS025** | | **00** | **23-07-2024** | **43** | **OB BM** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90464/1/CWWS025** | | **00** | **23-07-2024** | **43** | **OB BM** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90464/1/CWWS025** | | **00** | **16-07-2024** | **38** | **OB MA** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| | III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000151 | 2 | Acceptable | | | | | 19-07-2024 | | |
| **10/90464/1/CWWS025** | | **00** | **16-07-2024** | **38** | **OB MA** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| | III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000152 | 2 | Acceptable | | | | | 19-07-2024 | | |
| **1/90464/1/CWWS079** | | **00** | **16-07-2024** | **38** | **OB MA** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| | III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000153 | 2 | Acceptable | | | | | 19-07-2024 | | |
| **5/90464/1/CWWS079** | | **00** | **16-07-2024** | **38-42** | **OB MA** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-07-2024** |
| | | | | | **OB NM** | **Repair done** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | IDL-QCI-RT 0036 01 | PR | 5 % | 000157 | 2 | Repair | | | | 0,012 m | 19-07-2024 | | |
| | | RT | R 1 DRI | After Repair | | IDL-QCI-RT 0036 01 | PR | 5 % | 000163 | 1 | Acceptable | | | | | 31-07-2024 | | |
| **6/90464/1/CWWS079** | | **00** | **23-07-2024** | **43** | **OB NM** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90464/1/CWWS079** | | **00** | **23-07-2024** | **43** | **OB NM** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90464** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **4,80 m** | **16 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **4,80 m** | **16 Nr. Welds** |
| | | **Accepted** | **4,80 m** | **16 Nr. Welds** |
| | | **Repaired** | **0,01 m** | **1 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90465/1/CWWS018** | | **1** | **11-07-2024** | **37** | **OB MA** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **5/90465/1/CWWS018** | | **1** | **11-07-2024** | **37** | **OB MA** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **6/90465/1/CWWS018** | | **1** | **11-07-2024** | **37** | **OB MA** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **10/90465/1/CWWS018** | | **1** | **11-07-2024** | **37** | **OB MA** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **1/90465/1/CWWS019** | | **1** | **16-07-2024** | **38** | **OB BM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **5/90465/1/CWWS019** | | **1** | **16-07-2024** | **38** | **OB BM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **6/90465/1/CWWS019** | | **1** | **16-07-2024** | **38** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **10/90465/1/CWWS019** | | **1** | **16-07-2024** | **38** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2/90465/1/CWWS026** | | **1** | **25-07-2024** | **44** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-07-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90465/1/CWWS026** | | **1** | **25-07-2024** | **44** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-07-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **7/90465/1/CWWS026** | | **1** | **24-10-2024** | **458** | **AX427** | | **PL** | **360,00 mm** | **25,00 mm** | **V** | **0,340 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-10-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **2/90465/1/CWWS027** | | **1** | **25-07-2024** | **44** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90465/1/CWWS027** | | **1** | **25-07-2024** | **44** | **OB NM** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-07-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **7/90465/1/CWWS027** | | **1** | **25-10-2024** | **459** | **AX427** | | **PL** | **360,00 mm** | **25,00 mm** | **V** | **0,340 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-10-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90465** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **4,28 m** | **14 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **4,28 m** | **14 Nr. Welds** |
| | | **Accepted** | **4,28 m** | **14 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90468/1/CWWS067** | **0** | **31-07-2024** | **50** | **OB MA** | | | **PL** | | **337,20 mm** | **10,00 mm** | **1/2V** | **0,205 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-08-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | | |
| **2/90468/1/CWWS067** | **0** | **31-07-2024** | **50** | **OB MA** | | | **PL** | | **337,20 mm** | **10,00 mm** | **1/2V** | **0,309 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-08-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | | |
| **3/90468/1/CWWS067** | **0** | **31-07-2024** | **50** | **OB MA** | | | **PL** | | **337,20 mm** | **10,00 mm** | **1/2V** | **0,191 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-08-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | | |
| **4/90468/1/CWWS067** | **0** | **31-07-2024** | **50** | **OB MA** | | | **PL** | | **337,20 mm** | **10,00 mm** | **1/2V** | **0,312 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-08-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | | |
| **5/90468/1/CWWS067** | **0** | **31-07-2024** | **50** | **OB MA** | | | **PL** | | **337,20 mm** | **10,00 mm** | **1/2V** | **0,191 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-08-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | | |
| **6/90468/1/CWWS067** | **0** | **31-07-2024** | **50** | **OB MA** | | | **PL** | | **337,20 mm** | **10,00 mm** | **1/2V** | **0,193 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-08-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | | |
| **1/90468/1/CWWS068** | **0** | **31-07-2024** | **50** | **OB NM** | | | **PL** | | **337,20 mm** | **10,00 mm** | **1/2V** | **0,205 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-08-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | | |
| **2/90468/1/CWWS068** | **0** | **31-07-2024** | **50** | **OB NM** | | | **PL** | | **337,20 mm** | **10,00 mm** | **1/2V** | **0,191 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-08-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | | |
| **3/90468/1/CWWS068** | **0** | **31-07-2024** | **50** | **OB NM** | | | **PL** | | **337,20 mm** | **10,00 mm** | **1/2V** | **0,309 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-08-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90468/1/CWWS071** | **0** | **31-07-2024** | **50** | **OB NM** | | **PL** | **337,20 mm** | **10,00 mm** | **1/2V** | **0,193 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **2/90468/1/CWWS071** | **0** | **31-07-2024** | **50** | **OB NM** | | **PL** | **337,20 mm** | **10,00 mm** | **1/2V** | **0,191 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90468/1/CWWS071** | **0** | **31-07-2024** | **50** | **OB NM** | | **PL** | **337,20 mm** | **10,00 mm** | **1/2V** | **0,312 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| **Totals per DWG** | **90468** | | | |
|---|---|---|---|---|
| | | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **2,80 m** | **12 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,80 m** | **12 Nr. Welds** |
| | | **Accepted** | **2,80 m** | **12 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90470/1/CWWS032** | | **0** | **01-08-2024** | **53** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **5/90470/1/CWWS032** | | **0** | **01-08-2024** | **53** | **OB NM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **6/90470/1/CWWS032** | | **0** | **24-07-2024** | **51** | **OB ML** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **10/90470/1/CWWS032** | | **0** | **24-07-2024** | **51** | **OB ML** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **1/90470/1/CWWS077** | | **0** | **22-10-2024** | **454** | **AX413** | | **PL** | | **360,00 mm** | **25,00 mm** | **V** | **0,360 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-10-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **3/90470/1/CWWS077** | | **0** | **24-07-2024** | **51** | **OB BM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **7/90470/1/CWWS077** | | **0** | **24-07-2024** | **51** | **OB BM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type | Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90470/1/CWWS078** | | **0** | **22-10-2024** | **454** | **AX413** | | **PL** | | **360,00 mm** | **25,00 mm** | **V** | **0,360 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-10-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **3/90470/1/CWWS078** | | **0** | **24-07-2024** | **51** | **OB BM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-08-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **7/90470/1/CWWS078** | | **0** | **24-07-2024** | **51** | **OB BM** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **1/90470/1/CWWS080** | | **0** | **24-07-2024** | **51** | **OB ML** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-08-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90470/1/CWWS080** | | **0** | **24-07-2024** | **51** | **OB ML** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-08-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90470/1/CWWS080** | | **0** | **01-08-2024** | **53** | **OB MA** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-08-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90470/1/CWWS080** | | **0** | **01-08-2024** | **53** | **OB MA** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90470** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **4,32 m** | **14 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **4,32 m** | **14 Nr. Welds** |
| | | **Accepted** | **4,32 m** | **14 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90477/1/CWTP001** | | **0** | **27-07-2024** | **57** | **FCBD** | | **PL** | | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **29-07-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90477/1/CWTP001** | | **0** | **27-07-2024** | **57** | **FCCG** | | **PL** | | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **29-07-2024** |
| I | | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **83/90477/1/CWTP001** | | **0** | **16-05-2024** | **6** | **SID_CW** | | **PIPE** | | **800,00 mm** | **40,00 mm** | **X** | **0,950 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **06-08-2024** |
| I | | RT | FIN | Weld Completion | IDL-QCI-RT 0007 00 | DTRS | 10 % | 000164 | 3 | Acceptable | | | | 06-08-2024 | | |
| **84/90477/1/CWTP001** | | **0** | **17-05-2024** | **7** | **SID_CW** | | **PIPE** | | **800,00 mm** | **40,00 mm** | **X** | **1,260 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **06-06-2024** |
| I | | RT | FIN | Weld Completion | IDL-QCI-RT 0007 00 | DTRS | 10 % | 000165 | 3 | Acceptable | | | | 06-06-2024 | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90477** | **Prefabrication** | **3,21 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **3,21 m** | **4 Nr. Welds** |
| | | **Accepted** | **3,21 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90480/1/CWTP002** | | **0** | **26-07-2024** | **59** | **FCBI** | | **PL** | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **29-07-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90480/1/CWTP002** | | **0** | **26-07-2024** | **59** | **FCMA** | | **PL** | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **29-07-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **82/90480/1/CWTP002** | | **0** | **22-05-2024** | **49** | **FCCG** | | **PIPE** | **800,00 mm** | **40,00 mm** | **X** | **1,260 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **24-07-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0007 00 | DTRS | 10 % | 000166 | 3 | Acceptable | | | | 06-06-2024 | | |
| **83/90480/1/CWTP002** | | **0** | **18-05-2024** | **5** | **SID_CW** | | **PIPE** | **800,00 mm** | **40,00 mm** | **X** | **0,950 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **06-08-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0007 00 | DTRS | 10 % | 000167 | 3 | Acceptable | | | | 06-08-2024 | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90480** | **Prefabrication** | **3,21 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **3,21 m** | **4 Nr. Welds** |
| | | **Accepted** | **3,21 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90483/1/CWTP003** | | **0** | **09-08-2024** | **72** | **FCBF** | | **PL** | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **13-08-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90483/1/CWTP003** | | **0** | **09-08-2024** | **72** | **FCPS** | | **PL** | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **13-08-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **82/90483/1/CWTP003** | | **0** | **23-05-2024** | **48** | **FCCG** | | **PIPE** | **800,00 mm** | **40,00 mm** | **X** | **1,260 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **24-07-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0007 00 | DTRS | 10 % | 000168 | 3 | Acceptable | | | | 04-06-2024 | | |
| **83/90483/1/CWTP003** | | **0** | **20-05-2024** | **4** | **SID_CW** | | **PIPE** | **800,00 mm** | **40,00 mm** | **X** | **0,950 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **08-08-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0007 00 | DTRS | 10 % | 000169 | 3 | Acceptable | | | | 08-08-2024 | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90483** | **Prefabrication** | **3,21 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **3,21 m** | **4 Nr. Welds** |
| | | **Accepted** | **3,21 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure
Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90486/1/CWTP004** | | **0** | **29-07-2024** | **60** | **FCHG** | | **PL** | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **31-07-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90486/1/CWTP004** | | **0** | **29-07-2024** | **60** | **FCHG** | | **PL** | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **31-07-2024** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **83/90486/1/CWTP004** | | **0** | **21-05-2024** | **3** | **SID_E** | | **PIPE** | **800,00 mm** | **40,00 mm** | **X** | **0,950 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **06-08-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0007 00 | DTRS | 10 % | 000170 | 3 | Acceptable | | | | | 06-08-2024 | | |
| **84/90486/1/CWTP004** | | **0** | **21-05-2024** | **3** | **SID_CW** | | **PIPE** | **800,00 mm** | **40,00 mm** | **X** | **1,260 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **11-06-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0007 00 | DTRS | 10 % | 000175 | 3 | Acceptable | | | | | 11-06-2024 | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90486** | **Prefabrication** | **3,21 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **3,21 m** | **4 Nr. Welds** |
| | | **Accepted** | **3,21 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90494/1/CWLG019** | | **0** | **14-06-2024** | **39-45** | **DM18** | | **PIPE** | **700,00 mm** | **30,00 mm** | **V** | **2,198 m** | **P** | **C.S.** | **1C** | **FCAW+SAW** | **BW** | **25-06-2024** |
| | | | | | **DM07** | | | | | | | | | | | |
| | | | | | **DM22** | **Repair done** | | | | | | | | | | |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | PR | 10 % | 000124 | 2 | Repair | | | 0,020 m | 18-06-2024 | | |
| | | RT | R 1 DRI | After Repair | IDL-QCI-RT 0036 01 | AA | 10 % | 000125 | 1 | Acceptable | | | | 21-06-2024 | | |
| **2/90494/1/CWLG019** | | **0** | **28-05-2024** | **8** | **SID_CW** | | **PIPE** | **700,00 mm** | **30,00 mm** | **X** | **3,000 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **06-06-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | CL | 10 % | 000122 | 3 | Acceptable | | | | 05-06-2024 | | |
| **3/90494/1/CWLG019** | | **0** | **28-05-2024** | **8** | **SID_CW** | | **PIPE** | **700,00 mm** | **30,00 mm** | **X** | **3,000 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **06-06-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | CL | 10 % | 000123 | 3 | Acceptable | | | | 05-06-2024 | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90494** | **Prefabrication** | **8,20 m** | **3 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **8,20 m** | **3 Nr. Welds** |
| | | **Accepted** | **8,20 m** | **3 Nr. Welds** |
| | | **Repaired** | **0,02 m** | **1 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **6/90495/1/CWTP009** | **0** | **07-02-2025** | **45** | **OM61**<br>**OM15**<br>**OM57** | | **PL** | **4.148,30 mm** | **30,00 mm** | **X** | **4,860 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **18-02-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **7/90495/1/CWTP009** | **0** | **07-02-2025** | **45** | **OM61**<br>**OM15**<br>**OM57** | | **PL** | **4.148,30 mm** | **30,00 mm** | **K** | **7,633 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **18-02-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **31/90495/1/CWTP009** | **0** | **14-09-2024** | **8** | **OM313**<br>**OM318**<br>**OM316**<br>**OM311** | | **PL** | **4.148,30 mm** | **30,00 mm** | **K** | **7,633 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-09-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90495** | **Prefabrication** | **20,12 m** | **3 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **20,12 m** | **3 Nr. Welds** |
| | | **Accepted** | **20,12 m** | **3 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **31/90496/1/CWTP009** | **0** | **16-10-2024** | **12** | **OM616** | | **PL** | **1.940,00 mm** | **30,00 mm** | **X** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **24-10-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **32/90496/1/CWTP009** | **0** | **16-10-2024** | **12** | **OM616** | | **PL** | **1.940,00 mm** | **30,00 mm** | **X** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **24-10-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90496** | **Prefabrication** | **0,60 m** | **2 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,60 m** | **2 Nr. Welds** |
| | | **Accepted** | **0,60 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90505/1/CWTP002** | **0** | | | | **PIPE** | **800,00 mm** | **40,00 mm** | **1/2V** | **2,506 m** | **O** | **C.S.** | | | **BW** | |
| I | RT | FIN | Weld Completion | | | 10 % | | | | | | | | | |
| **1/90505/1/CWTP004** | **0** | | | | **PIPE** | **800,00 mm** | **40,00 mm** | **1/2V** | **2,506 m** | **O** | **C.S.** | | | **BW** | |
| I | RT | FIN | Weld Completion | | | 10 % | | | | | | | | | |
| **1/90505/1/CWTP006** | **0** | **08-01-2025** | **13** | **OM607 OM71A** | **PL** | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-01-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | Acceptable | | | | | | | |
| **2/90505/1/CWTP006** | **0** | **08-01-2025** | **13** | **OM607 OM71A** | **PL** | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-01-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | Acceptable | | | | | | | |
| **3/90505/1/CWTP006** | **0** | **08-01-2025** | **13** | **OM607 OM71A** | **PL** | **944,00 mm** | **20,00 mm** | **1/2V** | **0,926 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-01-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | Acceptable | | | | | | | |
| **4/90505/1/CWTP006** | **0** | **08-01-2025** | **13** | **OM607 OM71A** | **PL** | **944,00 mm** | **20,00 mm** | **1/2V** | **0,926 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-01-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | Acceptable | | | | | | | |
| **5/90505/1/CWTP006** | **0** | **20-01-2025** | **18** | **OM61** | **PL** | **944,00 mm** | **20,00 mm** | **1/2V** | **0,926 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **22-01-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | Acceptable | | | | | | | |
| **6/90505/1/CWTP006** | **0** | **20-01-2025** | **18** | **OM61** | **PL** | **944,00 mm** | **20,00 mm** | **1/2V** | **0,926 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **22-01-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | Acceptable | | | | | | | |
| **7/90505/1/CWTP006** | **0** | **20-01-2025** | **18** | **OM61** | **PL** | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **22-01-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | Acceptable | | | | | | | |
| **8/90505/1/CWTP006** | **0** | **20-01-2025** | **18** | **OM61** | **PL** | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **22-01-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90505/1/CWTP007** | **0** | **13-01-2025** | **15** | **OM601** | | | **PL** | | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-01-2025** |
| | | | | **OM71A** | | | | | | | | | | | | | | |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | | |
| **2/90505/1/CWTP007** | **0** | **13-01-2025** | **15** | **OM601** | | | **PL** | | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-01-2025** |
| | | | | **OM71A** | | | | | | | | | | | | | | |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | | |
| **3/90505/1/CWTP007** | **0** | **13-01-2025** | **15** | **OM601** | | | **PL** | | **944,00 mm** | **20,00 mm** | **1/2V** | **0,926 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-01-2025** |
| | | | | **OM71A** | | | | | | | | | | | | | | |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | | |
| **4/90505/1/CWTP007** | **0** | **13-01-2025** | **15** | **OM601** | | | **PL** | | **944,00 mm** | **20,00 mm** | **1/2V** | **0,926 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-01-2025** |
| | | | | **OM71A** | | | | | | | | | | | | | | |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | | |
| **5/90505/1/CWTP007** | **0** | **08-01-2025** | **12** | **OM71A** | | | **PL** | | **944,00 mm** | **20,00 mm** | **1/2V** | **0,926 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-01-2025** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | | |
| **6/90505/1/CWTP007** | **0** | **08-01-2025** | **12** | **OM71A** | | | **PL** | | **944,00 mm** | **20,00 mm** | **1/2V** | **0,926 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-01-2025** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | | |
| **7/90505/1/CWTP007** | **0** | **08-01-2025** | **12** | **OM71A** | | | **PL** | | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-01-2025** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | | |
| **8/90505/1/CWTP007** | **0** | **08-01-2025** | **12** | **OM71A** | | | **PL** | | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-01-2025** |
| I | RT | FIN | Weld Completion | | | | 10 % | | | Acceptable | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90505** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **11,44 m** | **16 Nr. Welds** |
| | | **Offshore** | **5,02 m** | **2 Nr. Welds** |
| | | **Performed** | **11,44 m** | **16 Nr. Welds** |
| | | **Accepted** | **11,44 m** | **16 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90506/1/CWTP001** | | **0** | | | | | **PIPE** | **800,00 mm** | **40,00 mm** | **1/2V** | **2,506 m** | **O** | **C.S.** | | | **BW** | |
| | I | RT | FIN | Weld Completion | | | 10 % | | | | | | | | | | |
| **1/90506/1/CWTP003** | | **0** | | | | | **PIPE** | **800,00 mm** | **40,00 mm** | **1/2V** | **2,506 m** | **O** | **C.S.** | | | **BW** | |
| | I | RT | FIN | Weld Completion | | | 10 % | | | | | | | | | | |
| **1/90506/1/CWTP005** | | **0** | **13-01-2025** | **15** | **OM601** **OM71A** | | **PL** | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-01-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **2/90506/1/CWTP005** | | **0** | **13-01-2025** | **15** | **OM601** **OM71A** | | **PL** | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-01-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **3/90506/1/CWTP005** | | **0** | **13-01-2025** | **15** | **OM601** **OM71A** | | **PL** | **944,00 mm** | **20,00 mm** | **1/2V** | **0,926 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-01-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **4/90506/1/CWTP005** | | **0** | **13-01-2025** | **15** | **OM601** **OM71A** | | **PL** | **944,00 mm** | **20,00 mm** | **1/2V** | **0,926 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **17-01-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **5/90506/1/CWTP005** | | **0** | **08-01-2025** | **14** | **OM607** **OM71A** | | **PL** | **944,00 mm** | **20,00 mm** | **1/2V** | **0,926 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-01-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90506/1/CWTP005** | | **0** | **08-01-2025** | **14** | **OM607** **OM71A** | | **PL** | **944,00 mm** | **20,00 mm** | **1/2V** | **0,926 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-01-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **7/90506/1/CWTP005** | | **0** | **08-01-2025** | **14** | **OM607** **OM71A** | | **PL** | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-01-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **8/90506/1/CWTP005** | | **0** | **08-01-2025** | **14** | **OM607** **OM71A** | | **PL** | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-01-2025** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **8/90506/1/CWTP005** | | **0** | **08-01-2025** | **14** | **OM607**<br>**OM71A** | | **PL** | | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **16-01-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **1/90506/1/CWTP008** | | **0** | **08-01-2025** | **13** | **OM71A** | | **PL** | | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-01-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90506/1/CWTP008** | | **0** | **08-01-2025** | **13** | **OM71A** | | **PL** | | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-01-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **3/90506/1/CWTP008** | | **0** | **08-01-2025** | **13** | **OM71A** | | **PL** | | **944,00 mm** | **20,00 mm** | **1/2V** | **0,926 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-01-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **4/90506/1/CWTP008** | | **0** | **08-01-2025** | **13** | **OM71A** | | **PL** | | **944,00 mm** | **20,00 mm** | **1/2V** | **0,926 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-01-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **5/90506/1/CWTP008** | | **0** | **17-01-2025** | **17** | **OM601**<br>**OM71A** | | **PL** | | **944,00 mm** | **20,00 mm** | **1/2V** | **0,926 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-01-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **6/90506/1/CWTP008** | | **0** | **17-01-2025** | **17** | **OM601**<br>**OM71A** | | **PL** | | **944,00 mm** | **20,00 mm** | **1/2V** | **0,926 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-01-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **7/90506/1/CWTP008** | | **0** | **17-01-2025** | **17** | **OM601**<br>**OM71A** | | **PL** | | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-01-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **8/90506/1/CWTP008** | | **0** | **17-01-2025** | **17** | **OM601**<br>**OM71A** | | **PL** | | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-01-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | | |
| **8/90506/1/CWTP008** | | **0** | **17-01-2025** | **17** | **OM601** | | **PL** | **500,00 mm** | **25,00 mm** | **1/2V** | **0,500 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **20-01-2025** |
| | | | | | **OM71A** | | | | | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90506** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **11,44 m** | **16 Nr. Welds** |
| | | **Offshore** | **5,02 m** | **2 Nr. Welds** |
| | | **Performed** | **11,44 m** | **16 Nr. Welds** |
| | | **Accepted** | **11,44 m** | **16 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90555/1/CWTPW034** | | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **2/90555/1/CWTPW034** | | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90555/1/CWTPW034** | | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **4/90555/1/CWTPW034** | | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90555** | **Prefabrication** | **1,20 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,20 m** | **4 Nr. Welds** |
| | | **Accepted** | **1,20 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90556/1/CWTPW037** | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **2/90556/1/CWTPW037** | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90556/1/CWTPW037** | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **4/90556/1/CWTPW037** | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **01-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90556** | **Prefabrication** | **1,20 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,20 m** | **4 Nr. Welds** |
| | | **Accepted** | **1,20 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90557/1/CWTPW038** | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **2/90557/1/CWTPW038** | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90557/1/CWTPW038** | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **4/90557/1/CWTPW038** | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90557** | **Prefabrication** | **1,20 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,20 m** | **4 Nr. Welds** |
| | | **Accepted** | **1,20 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90558/1/CWTPW003** | | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **01-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **2/90558/1/CWTPW003** | | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **01-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90558/1/CWTPW003** | | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **01-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **4/90558/1/CWTPW003** | | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **01-08-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90558** | **Prefabrication** | **1,20 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,20 m** | **4 Nr. Welds** |
| | | **Accepted** | **1,20 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90560/1/CWTPW070** | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **01-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **2/90560/1/CWTPW070** | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **01-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **1/90560/1/CWTPW071** | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **2/90560/1/CWTPW071** | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90560** | **Prefabrication** | **1,20 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,20 m** | **4 Nr. Welds** |
| | | **Accepted** | **1,20 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90561/1/CWTPW072** | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **01-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **2/90561/1/CWTPW072** | **0** | **31-07-2024** | **37** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **1/90561/1/CWTPW075** | **0** | **31-07-2024** | **37** | **GX14** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **2/90561/1/CWTPW075** | **0** | **31-07-2024** | **37** | **GX14** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **02-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90561** | **Prefabrication** | **0,92 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,92 m** | **4 Nr. Welds** |
| | | **Accepted** | **0,92 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure
Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90575/1/CWTPW019** | **0** | **03-06-2024** | **1** | **AX416** | | **PIPE** | **219,10 mm** | **10,31 mm** | **V** | **0,688 m** | **M** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **11-06-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90575** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **0,69 m** | **1 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,69 m** | **1 Nr. Welds** |
| | | **Accepted** | **0,69 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90587/1/CWTPW001** | | **0** | **25-07-2024** | **9** | **GX14** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90587/1/CWTPW001** | | **0** | **25-07-2024** | **9** | **GX14** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **6/90587/1/CWTPW001** | | **0** | **25-07-2024** | **9** | **GX14** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **10/90587/1/CWTPW001** | | **0** | **25-07-2024** | **9** | **GX14** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **1/90587/1/CWTPW002** | | **0** | **25-07-2024** | **9** | **GX14** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90587/1/CWTPW002** | | **0** | **25-07-2024** | **9** | **GX14** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **6/90587/1/CWTPW002** | | **0** | **25-07-2024** | **9** | **GX14** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **10/90587/1/CWTPW002** | | **0** | **25-07-2024** | **9** | **GX14** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type | Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90587/1/CWTPW007** | | **0** | **25-07-2024** | **9** | **GX14** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90587/1/CWTPW007** | | **0** | **25-07-2024** | **9** | **GX14** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90587/1/CWTPW007** | | **0** | **25-07-2024** | **9** | **GX14** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90587/1/CWTPW007** | | **0** | **25-07-2024** | **9** | **GX14** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **1/90587/1/CWTPW012** | | **0** | **25-07-2024** | **9** | **GX14** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90587/1/CWTPW012** | | **0** | **25-07-2024** | **9** | **GX14** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90587/1/CWTPW012** | | **0** | **25-07-2024** | **9** | **GX14** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90587/1/CWTPW012** | | **0** | **25-07-2024** | **9** | **GX14** | | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90587** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **2,56 m** | **16 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,56 m** | **16 Nr. Welds** |
| | | **Accepted** | **2,56 m** | **16 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90588/1/CWTPW034** | **0** | **03-02-2025** | **33** | **OM115** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-02-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **3/90588/1/CWTPW034** | **0** | **03-02-2025** | **33** | **OM115** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-02-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **4/90588/1/CWTPW034** | **0** | **03-02-2025** | **33** | **OM115** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,207 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-02-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **8/90588/1/CWTPW034** | **0** | **03-02-2025** | **33** | **OM115** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,090 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **1/90588/1/CWTPW037** | **0** | **03-02-2025** | **34** | **OM115** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,424 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-02-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **5/90588/1/CWTPW037** | **0** | **03-02-2025** | **34** | **OM115** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,090 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-02-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **6/90588/1/CWTPW037** | **0** | **03-02-2025** | **34** | **OM115** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-02-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **8/90588/1/CWTPW037** | **0** | **03-02-2025** | **34** | **OM115** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-02-2025** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90588/1/CWTPW038** | | **0** | **28-01-2025** | **26** | **OM57** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,301 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-02-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **3/90588/1/CWTPW038** | | **0** | **28-01-2025** | **26** | **OM57** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,301 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-02-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **4/90588/1/CWTPW038** | | **0** | **03-02-2025** | **35** | **OM57** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-02-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **6/90588/1/CWTPW038** | | **0** | **03-02-2025** | **35** | **OM57** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-02-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **1/90588/1/CWTPW085** | | **0** | **03-02-2025** | **36** | **OM115** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-02-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **3/90588/1/CWTPW085** | | **0** | **03-02-2025** | **36** | **OM115** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-02-2025** |
| | I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |
| **4/90588/1/CWTPW085** | | **0** | **26-07-2024** | **10-12** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-08-2024** |
| | | | | | **GX37 Repair done** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 5 % | 000159 | 2 | Repair | | | | 0,020 m | 31-07-2024 | | |
| | | RT | R 1 DRI | After Repair | IDL-QCI-RT 0036 01 | AA | 5 % | 000171 | 2 | Acceptable | | | | | 05-08-2024 | | |
| **8/90588/1/CWTPW085** | | **0** | **26-07-2024** | **10-12-1** | **GX14 Welding + Repair done** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-11-2024** |
| | | | | | **GX37 Repair done** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 5 % | 000160 | 2 | Repair | | | | 0,020 m | 31-07-2024 | | |
| | | RT | R 1 DRI | After Repair | IDL-QCI-RT 0036 01 | AA | 5 % | 000174 | 2 | Repair | | | | 0,016 m | 05-08-2024 | | |
| | | RT | R 2 DRI | After Repair | IDL-QCI-RT 0036 01 | PR | 5 % | 000183 | 2 | Acceptable | | | | | 04-11-2024 | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90588/1/CWTPW086** | | **0** | **26-07-2024** | **10** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **31-07-2024** |
| | III | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 5 % | 000158 | 2 | Acceptable | | | | | 31-07-2024 | | |
| **5/90588/1/CWTPW086** | | **0** | **26-07-2024** | **10-12** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-08-2024** |
| | | | | | **GX37** **Repair done** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 5 % | 000161 | 2 | Repair | | | | 0,020 m | 31-07-2024 | | |
| | | RT | R 1 DRI | After Repair | IDL-QCI-RT 0036 01 | AA | 5 % | 000172 | 2 | Acceptable | | | | | 05-08-2024 | | |
| **6/90588/1/CWTPW086** | | **0** | **26-07-2024** | **10-12** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-08-2024** |
| | | | | | **GX37** **Repair done** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | AA | 5 % | 000162 | 2 | Repair | | | | 0,020 m | 31-07-2024 | | |
| | | RT | R 1 DRI | After Repair | IDL-QCI-RT 0036 01 | AA | 5 % | 000173 | 2 | Acceptable | | | | | 05-08-2024 | | |
| **10/90588/1/CWTPW086** | | **0** | **26-07-2024** | **10** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90588** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **5,61 m** | **20 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **5,61 m** | **20 Nr. Welds** |
| | | **Accepted** | **5,61 m** | **20 Nr. Welds** |
| | | **Repaired** | **0,10 m** | **5 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90590/1/CWTPW003** | **0** | **25-07-2024** | **9** | **GX08** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90590/1/CWTPW003** | **0** | **25-07-2024** | **9** | **GX08** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **6/90590/1/CWTPW003** | **0** | **25-07-2024** | **9** | **GX08** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **10/90590/1/CWTPW003** | **0** | **25-07-2024** | **9** | **GX08** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **1/90590/1/CWTPW004** | **0** | **25-07-2024** | **9** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90590/1/CWTPW004** | **0** | **25-07-2024** | **9** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **1/90590/1/CWTPW070** | **0** | **03-02-2025** | **38** | **OM115** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90590/1/CWTPW070** | **0** | **03-02-2025** | **38** | **OM115** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type | Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90590/1/CWTPW071** | | **0** | **03-02-2025** | **42** | **OM115** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-02-2025** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90590/1/CWTPW071** | | **0** | **03-02-2025** | **42** | **OM115** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-02-2025** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **1/90590/1/CWTPW072** | | **0** | **01-07-2024** | **16** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90590/1/CWTPW072** | | **0** | **01-07-2024** | **16** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,301 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **01-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90590/1/CWTPW072** | | **0** | **10-02-2025** | **57** | **OM115** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2025** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90590/1/CWTPW072** | | **0** | **10-02-2025** | **57** | **OM115** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2025** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **1/90590/1/CWTPW073** | | **0** | **25-07-2024** | **9** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90590/1/CWTPW073** | | **0** | **25-07-2024** | **9** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90590/1/CWTPW073** | | **0** | **25-07-2024** | **9** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,303 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90590/1/CWTPW073** | | **0** | **25-07-2024** | **9** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90590/1/CWTPW074** | | **0** | **25-07-2024** | **9** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90590/1/CWTPW074** | | **0** | **25-07-2024** | **9** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **6/90590/1/CWTPW074** | | **0** | **25-07-2024** | **9** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **10/90590/1/CWTPW074** | | **0** | **25-07-2024** | **9** | **GX14** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90590** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **6,60 m** | **22 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **6,60 m** | **22 Nr. Welds** |
| | | **Accepted** | **6,60 m** | **22 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cont. | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90591/1/CWTPW008** | **0** | **26-07-2024** | **10** | **GX14** | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90591/1/CWTPW008** | **0** | **26-07-2024** | **10** | **GX14** | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **6/90591/1/CWTPW008** | **0** | **26-07-2024** | **10** | **GX14** | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **10/90591/1/CWTPW008** | **0** | **26-07-2024** | **10** | **GX14** | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **1/90591/1/CWTPW009** | **0** | **26-07-2024** | **10** | **GX14** | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90591/1/CWTPW009** | **0** | **26-07-2024** | **10** | **GX14** | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **1/90591/1/CWTPW013** | **0** | **26-07-2024** | **10** | **GX14** | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90591/1/CWTPW013** | **0** | **26-07-2024** | **10** | **GX14** | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **6/90591/1/CWTPW013** | **0** | **26-07-2024** | **10** | **GX14** | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **10/90591/1/CWTPW013** | **0** | **26-07-2024** | **10** | **GX14** | **IPE** | | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cont. | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90591/1/CWTPW039** | **0** | **12-07-2024** | **8** | **GX14** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90591/1/CWTPW039** | **0** | **12-07-2024** | **8** | **GX14** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **6/90591/1/CWTPW039** | **0** | **12-07-2024** | **8** | **GX14** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **10/90591/1/CWTPW039** | **0** | **12-07-2024** | **8** | **GX14** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **4/90591/1/CWTPW075** | **0** | **26-07-2024** | **10** | **GX14** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **8/90591/1/CWTPW075** | **0** | **26-07-2024** | **10** | **GX14** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **1/90591/1/CWTPW094** | **0** | **03-02-2025** | **43** | **OM115** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **4/90591/1/CWTPW094** | **0** | **04-02-2025** | **44** | **OM115** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,159 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90591/1/CWTPW094** | **0** | **04-02-2025** | **44** | **OM115** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **9/90591/1/CWTPW094** | **0** | **04-02-2025** | **44** | **OM115** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure
Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **9/90591/1/CWTPW094** | **0** | **04-02-2025** | **44** | **OM115** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **04-02-2025** |

| | | | |
|---|---|---|---|
| **Totals per DWG** | **90591** | **Prefabrication** | **0,00 m** **0 Nr. Welds** |
| | | **Erection** | **3,20 m** **20 Nr. Welds** |
| | | **Offshore** | **0,00 m** **0 Nr. Welds** |
| | | **Performed** | **3,20 m** **20 Nr. Welds** |
| | | **Accepted** | **3,20 m** **20 Nr. Welds** |
| | | **Repaired** | **0,00 m** **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90593/1/CWTPW005** | | **0** | **11-07-2024** | **7** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **5/90593/1/CWTPW005** | | **0** | **11-07-2024** | **7** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **6/90593/1/CWTPW005** | | **0** | **11-07-2024** | **7** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **10/90593/1/CWTPW005** | | **0** | **11-07-2024** | **7** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **1/90593/1/CWTPW006** | | **0** | **11-07-2024** | **7** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **5/90593/1/CWTPW006** | | **0** | **11-07-2024** | **7** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **6/90593/1/CWTPW006** | | **0** | **11-07-2024** | **7** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **10/90593/1/CWTPW006** | | **0** | **11-07-2024** | **7** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90593/1/CWTPW010** | **0** | **11-07-2024** | **7** | **GX14** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90593/1/CWTPW010** | **0** | **11-07-2024** | **7** | **GX14** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90593/1/CWTPW010** | **0** | **11-07-2024** | **7** | **GX14** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90593/1/CWTPW010** | **0** | **11-07-2024** | **7** | **GX14** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **1/90593/1/CWTPW011** | **0** | **11-07-2024** | **7** | **GX14** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90593/1/CWTPW011** | **0** | **11-07-2024** | **7** | **GX14** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90593/1/CWTPW011** | **0** | **11-07-2024** | **7** | **GX14** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90593/1/CWTPW011** | **0** | **11-07-2024** | **7** | **GX14** | | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90593/1/CWTPW083** | | **0** | **11-07-2024** | **7** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **5/90593/1/CWTPW083** | | **0** | **11-07-2024** | **7** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **6/90593/1/CWTPW083** | | **0** | **11-07-2024** | **7** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **10/90593/1/CWTPW083** | | **0** | **11-07-2024** | **7** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **1/90593/1/CWTPW084** | | **0** | **11-07-2024** | **7** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **5/90593/1/CWTPW084** | | **0** | **11-07-2024** | **7** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **6/90593/1/CWTPW084** | | **0** | **11-07-2024** | **7** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **10/90593/1/CWTPW084** | | **0** | **11-07-2024** | **7** | **GX14** | | **HEA** | | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90593/1/CWTPW097** | **0** | **11-07-2024** | **7** | **GX14** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **5/90593/1/CWTPW097** | **0** | **11-07-2024** | **7** | **GX14** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90593/1/CWTPW097** | **0** | **11-07-2024** | **7** | **GX14** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **10/90593/1/CWTPW097** | **0** | **11-07-2024** | **7** | **GX14** | | **IPE** | **330,00 mm** | **11,50 mm** | **1/2V** | **0,160 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| **Totals per DWG** | **90593** | | | |
|---|---|---|---|---|
| | | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **7,84 m** | **28 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **7,84 m** | **28 Nr. Welds** |
| | | **Accepted** | **7,84 m** | **28 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Class | Insp. Category | Rev. | Cont. | Prod. Date | Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type | Exam. % | Dimension | N. Rep | Thickness | Films n. | Bevel | Result | Weld Length | WPS Rip. | P/M | Techn. Weld. | Material | Defect length | WPS | Techn. Weld. | CND date | Type Conn | NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90599/1/CWUG005** | III | | **01** | RT | **30-05-2024** | FIN | **28** | **GX14** | | | **PL** | 5 % | **300,00 mm** | | **40,00 mm** | | **K** | Acceptable | **0,300 m** | | **P** | | **C.S.** | | **2A** | **FCAW** | | **BW** | | **04-06-2024** |
| **2/90599/1/CWUG005** | III | | **01** | RT | **30-05-2024** | FIN | **28** | **GX14** | | | **PL** | 5 % | **300,00 mm** | | **40,00 mm** | | **K** | Acceptable | **0,300 m** | | **P** | | **C.S.** | | **2A** | **FCAW** | | **BW** | | **04-06-2024** |
| **4/90599/1/CWUG005** | III | | **01** | RT | **30-05-2024** | FIN | **28** | **GX14** | | | **PL** | 5 % | **300,00 mm** | | **40,00 mm** | | **K** | Acceptable | **0,300 m** | | **P** | | **C.S.** | | **2A** | **FCAW** | | **BW** | | **04-06-2024** |
| **5/90599/1/CWUG005** | III | | **01** | RT | **30-05-2024** | FIN | **28** | **GX14** | | | **PL** | 5 % | **300,00 mm** | | **40,00 mm** | | **K** | Acceptable | **0,300 m** | | **P** | | **C.S.** | | **2A** | **FCAW** | | **BW** | | **04-06-2024** |
| **7/90599/1/CWUG005** | III | | **01** | RT | **30-05-2024** | FIN | **28** | **GX14** | | | **PL** | 5 % | **300,00 mm** | | **40,00 mm** | | **K** | Acceptable | **0,300 m** | | **P** | | **C.S.** | | **2A** | **FCAW** | | **BW** | | **06-06-2024** |
| **8/90599/1/CWUG005** | III | | **01** | RT | **30-05-2024** | FIN | **28** | **GX14** | | | **PL** | 5 % | **300,00 mm** | | **40,00 mm** | | **K** | Acceptable | **0,300 m** | | **P** | | **C.S.** | | **2A** | **FCAW** | | **BW** | | **06-06-2024** |
| **10/90599/1/CWUG005** | III | | **01** | RT | **30-05-2024** | FIN | **28** | **GX14** | | | **PL** | 5 % | **300,00 mm** | | **40,00 mm** | | **K** | Acceptable | **0,300 m** | | **P** | | **C.S.** | | **2A** | **FCAW** | | **BW** | | **06-06-2024** |
| **11/90599/1/CWUG005** | III | | **01** | RT | **30-05-2024** | FIN | **28** | **GX14** | | | **PL** | 5 % | **300,00 mm** | | **40,00 mm** | | **K** | Acceptable | **0,300 m** | | **P** | | **C.S.** | | **2A** | **FCAW** | | **BW** | | **06-06-2024** |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90599** | **Prefabrication** | **2,40 m** | **8 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,40 m** | **8 Nr. Welds** |
| | | **Accepted** | **2,40 m** | **8 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90600/1/CWUG006** | | **01** | **30-05-2024** | **28** | **GX08** | | **PL** | | **300,00 mm** | **40,00 mm** | **K** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **2/90600/1/CWUG006** | | **01** | **30-05-2024** | **28** | **GX08** | | **PL** | | **300,00 mm** | **40,00 mm** | **K** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **4/90600/1/CWUG006** | | **01** | **30-05-2024** | **28** | **GX08** | | **PL** | | **300,00 mm** | **40,00 mm** | **K** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90600/1/CWUG006** | | **01** | **30-05-2024** | **28** | **GX08** | | **PL** | | **300,00 mm** | **40,00 mm** | **K** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **7/90600/1/CWUG006** | | **01** | **30-05-2024** | **28** | **GX08** | | **PL** | | **300,00 mm** | **40,00 mm** | **K** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **8/90600/1/CWUG006** | | **01** | **30-05-2024** | **28** | **GX08** | | **PL** | | **300,00 mm** | **40,00 mm** | **K** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **10/90600/1/CWUG006** | | **01** | **30-05-2024** | **28** | **GX08** | | **PL** | | **300,00 mm** | **40,00 mm** | **K** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **11/90600/1/CWUG006** | | **01** | **30-05-2024** | **28** | **GX08** | | **PL** | | **300,00 mm** | **40,00 mm** | **K** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **04-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90600** | **Prefabrication** | **2,40 m** | **8 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,40 m** | **8 Nr. Welds** |
| | | **Accepted** | **2,40 m** | **8 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90604/1/CWUG007** | | **01** | **07-06-2024** | **3** | **GX14** | | **PL** | | **300,00 mm** | **40,00 mm** | **K** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **07-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90604/1/CWUG007** | | **01** | **07-06-2024** | **3** | **GX14** | | **PL** | | **300,00 mm** | **40,00 mm** | **K** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **6/90604/1/CWUG007** | | **01** | **07-06-2024** | **3** | **GX14** | | **PL** | | **300,00 mm** | **40,00 mm** | **K** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **10/90604/1/CWUG007** | | **01** | **07-06-2024** | **3** | **GX14** | | **PL** | | **300,00 mm** | **40,00 mm** | **K** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **1/90604/1/CWUG008** | | **01** | **07-06-2024** | **3** | **GX14** | | **PL** | | **300,00 mm** | **40,00 mm** | **K** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90604/1/CWUG008** | | **01** | **07-06-2024** | **3** | **GX14** | | **PL** | | **300,00 mm** | **40,00 mm** | **K** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **6/90604/1/CWUG008** | | **01** | **07-06-2024** | **3** | **GX14** | | **PL** | | **300,00 mm** | **40,00 mm** | **K** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **10/90604/1/CWUG008** | | **01** | **07-06-2024** | **3** | **GX14** | | **PL** | | **300,00 mm** | **40,00 mm** | **K** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90604/1/CWUG009** | III | **01** RT | **07-06-2024** FIN | **3** Weld Completion | **GX14** | | **PL** 5 % | **300,00 mm** | **40,00 mm** Acceptable | **K** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| **5/90604/1/CWUG009** | III | **01** RT | **07-06-2024** FIN | **3** Weld Completion | **GX14** | | **PL** 5 % | **300,00 mm** | **40,00 mm** Acceptable | **K** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| **6/90604/1/CWUG009** | III | **01** RT | **07-06-2024** FIN | **3** Weld Completion | **GX14** | | **PL** 5 % | **300,00 mm** | **40,00 mm** Acceptable | **K** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| **10/90604/1/CWUG009** | III | **01** RT | **07-06-2024** FIN | **3** Weld Completion | **GX14** | | **PL** 5 % | **300,00 mm** | **40,00 mm** Acceptable | **K** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| **1/90604/1/CWUG010** | III | **01** RT | **07-06-2024** FIN | **3** Weld Completion | **GX14** | | **PL** 5 % | **300,00 mm** | **40,00 mm** Acceptable | **K** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| **5/90604/1/CWUG010** | III | **01** RT | **07-06-2024** FIN | **3** Weld Completion | **GX14** | | **PL** 5 % | **300,00 mm** | **40,00 mm** Acceptable | **K** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| **6/90604/1/CWUG010** | III | **01** RT | **07-06-2024** FIN | **3** Weld Completion | **GX14** | | **PL** 5 % | **300,00 mm** | **40,00 mm** Acceptable | **K** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| **10/90604/1/CWUG010** | III | **01** RT | **07-06-2024** FIN | **3** Weld Completion | **GX14** | | **PL** 5 % | **300,00 mm** | **40,00 mm** Acceptable | **K** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90604** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **4,80 m** | **16 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **4,80 m** | **16 Nr. Welds** |
| | | **Accepted** | **4,80 m** | **16 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90605/1/CWUG011** | **01** | **12-06-2024** | **6** | **GX14** | | | **PL** | **694,00 mm** | **40,00 mm** | **K** | **0,750 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **2/90605/1/CWUG011** | **01** | **12-06-2024** | **6** | **GX14** | | | **PL** | **694,00 mm** | **40,00 mm** | **K** | **0,750 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **9/90605/1/CWUG011** | **01** | **12-06-2024** | **6** | **GX14** | | | **PL** | **694,00 mm** | **40,00 mm** | **K** | **0,750 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90605/1/CWUG011** | **01** | **12-06-2024** | **6** | **GX14** | | | **PL** | **694,00 mm** | **40,00 mm** | **K** | **0,750 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **1/90605/1/CWUG013** | **01** | **10-06-2024** | **4** | **GX14** | | | **PL** | **694,00 mm** | **40,00 mm** | **K** | **0,750 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **2/90605/1/CWUG013** | **01** | **10-06-2024** | **4** | **GX14** | | | **PL** | **694,00 mm** | **40,00 mm** | **K** | **0,750 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **9/90605/1/CWUG013** | **01** | **10-06-2024** | **4** | **GX14** | | | **PL** | **694,00 mm** | **40,00 mm** | **K** | **0,750 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90605/1/CWUG013** | **01** | **10-06-2024** | **4** | **GX14** | | | **PL** | **694,00 mm** | **40,00 mm** | **K** | **0,750 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90605** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **6,00 m** | **8 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **6,00 m** | **8 Nr. Welds** |
| | | **Accepted** | **6,00 m** | **8 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90606/1/CWUG012** | **0** | **12-06-2024** | **6** | **GX14** | | | **PL** | **694,00 mm** | **40,00 mm** | **K** | **0,750 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **2/90606/1/CWUG012** | **0** | **12-06-2024** | **6** | **GX14** | | | **PL** | **694,00 mm** | **40,00 mm** | **K** | **0,750 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **9/90606/1/CWUG012** | **0** | **12-06-2024** | **6** | **GX14** | | | **PL** | **694,00 mm** | **40,00 mm** | **K** | **0,750 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90606/1/CWUG012** | **0** | **12-06-2024** | **6** | **GX14** | | | **PL** | **694,00 mm** | **40,00 mm** | **K** | **0,750 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **1/90606/1/CWUG014** | **0** | **10-06-2024** | **4** | **GX14** | | | **PL** | **694,00 mm** | **40,00 mm** | **K** | **0,750 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **2/90606/1/CWUG014** | **0** | **10-06-2024** | **4** | **GX14** | | | **PL** | **694,00 mm** | **40,00 mm** | **K** | **0,750 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **9/90606/1/CWUG014** | **0** | **10-06-2024** | **4** | **GX14** | | | **PL** | **694,00 mm** | **40,00 mm** | **K** | **0,750 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90606/1/CWUG014** | **0** | **10-06-2024** | **4** | **GX14** | | | **PL** | **694,00 mm** | **40,00 mm** | **K** | **0,750 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **13-06-2024** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90606** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **6,00 m** | **8 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **6,00 m** | **8 Nr. Welds** |
| | | **Accepted** | **6,00 m** | **8 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | | Defect length | CND date | NOTE | |
| **1/90638/1/CWLG020** | | **1** | **17-06-2024** | **9** | **SID_C** | | **PIPE** | **700,00 mm** | **30,00 mm** | **X** | **0,300 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **25-06-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | CL | 10 % | 000135 | 1 | Acceptable | | | | | 25-06-2024 | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90638** | **Prefabrication** | **0,30 m** | **1 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,30 m** | **1 Nr. Welds** |
| | | **Accepted** | **0,30 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **3/90647/1/CWLHAT005** | **3** | **13-02-2025** | **470** | **AX414** | | **PIPE** | **406,40 mm** | **9,52 mm** | **V** | **1,270 m** | **M** | **C.S.** | **2T** | **GTAW** | **BW** | **15-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90647/1/CWLHAT006** | **3** | **13-02-2025** | **470** | **AX414** | | **PIPE** | **406,40 mm** | **9,52 mm** | **V** | **1,270 m** | **M** | **C.S.** | **2T** | **GTAW** | **BW** | **15-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90647** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **2,54 m** | **2 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,54 m** | **2 Nr. Welds** |
| | | **Accepted** | **2,54 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90650/1/CWPAUB001** | **0** | **10-09-2024** | **19** | **RM91** | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-09-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **5/90650/1/CWPAUB001** | **0** | **10-09-2024** | **19** | **RM91** | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-09-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90650/1/CWPAUB001** | **0** | **10-07-2024** | **4** | **RM90** | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **10/90650/1/CWPAUB001** | **0** | **10-07-2024** | **4** | **RM90** | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **1/90650/1/CWPAUB002** | **0** | **09-07-2024** | **2** | **RM86** | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **5/90650/1/CWPAUB002** | **0** | **09-07-2024** | **2** | **RM86** | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90650/1/CWPAUB002** | **0** | **10-09-2024** | **19** | **RM85** | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-09-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **10/90650/1/CWPAUB002** | **0** | **10-09-2024** | **19** | **RM85** | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-09-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90650/1/CWPAUB003** | **0** | **10-09-2024** | **19** | **RM91** | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-09-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **5/90650/1/CWPAUB003** | **0** | **10-09-2024** | **19** | **RM91** | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-09-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90650/1/CWPAUB003** | **0** | **10-07-2024** | **4** | **RM91** | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **10/90650/1/CWPAUB003** | **0** | **10-07-2024** | **4** | **RM91** | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **1/90650/1/CWPAUB004** | **0** | **09-07-2024** | **2** | **RM84** | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **5/90650/1/CWPAUB004** | **0** | **09-07-2024** | **2** | **RM84** | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **09-07-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90650/1/CWPAUB004** | **0** | **10-09-2024** | **19** | **RM81** | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-09-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **10/90650/1/CWPAUB004** | **0** | **10-09-2024** | **19** | **RM81** | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **12-09-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type | Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90650/1/CWPAUB005** | | **0** | **08-07-2024** | **1** | **RM87** | | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90650/1/CWPAUB005** | | **0** | **08-07-2024** | **1** | **RM84** | | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90650/1/CWPAUB005** | | **0** | **08-07-2024** | **1** | **RM87** | | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **08-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90650/1/CWPAUB005** | | **0** | **08-07-2024** | **1** | **RM84** | | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **1/90650/1/CWPAUB006** | | **0** | **09-07-2024** | **2** | **RM84** | | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **5/90650/1/CWPAUB006** | | **0** | **09-07-2024** | **2** | **RM84** | | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90650/1/CWPAUB006** | | **0** | **09-07-2024** | **2** | **RM92** | | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **10/90650/1/CWPAUB006** | | **0** | **09-07-2024** | **3** | **RM92** | | **HEB** | | **600,00 mm** | **30,00 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **10-07-2024** |
| | III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90650** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **7,20 m** | **24 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **7,20 m** | **24 Nr. Welds** |
| | | **Accepted** | **7,20 m** | **24 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **2/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **4/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **5/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **6/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **7/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **8/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **9/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **185,00 mm** | **15,00 mm** | **1/2V** | **0,185 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **10/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **185,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **10/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **185,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **11/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **150,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **12/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **150,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **14/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **15/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **16/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **17/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **18/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **19/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **20/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **20/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **21/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **22/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **185,00 mm** | **15,00 mm** | **1/2V** | **0,185 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **23/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **185,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **24/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **150,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **25/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **150,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **27/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **28/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **29/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **30/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15 OM115** | | **PL** | | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **30/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **31/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **32/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **33/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **34/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **35/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **185,00 mm** | **15,00 mm** | **1/2V** | **0,185 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **36/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **185,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **37/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **150,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **38/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **150,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **40/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **40/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **41/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **42/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **43/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **44/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **45/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **46/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **47/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **48/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **185,00 mm** | **15,00 mm** | **1/2V** | **0,185 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **49/90653/1/CWTPWT001** | | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **185,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **49/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **185,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | **OM115** | | | | | | | | | | | |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **50/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **150,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | **OM115** | | | | | | | | | | | |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **51/90653/1/CWTPWT001** | **2** | **30-01-2025** | **43** | **OM15** | | **PL** | **150,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | **OM115** | | | | | | | | | | | |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90653** | **Prefabrication** | **10,42 m** | **48 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **10,42 m** | **48 Nr. Welds** |
| | | **Accepted** | **10,42 m** | **48 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **68/90654/1/CWTPWT001** | **1** | **30-01-2025** | **44** | **OM15** | | **PL** | | **150,00 mm** | **15,00 mm** | **1/2V** | **0,152 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-02-2025** |
| | | | | **OM115** | | | | | | | | | | | | | |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **73/90654/1/CWTPWT001** | **1** | **30-01-2025** | **44** | **OM15** | | **PL** | | **150,00 mm** | **15,00 mm** | **1/2V** | **0,151 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-02-2025** |
| | | | | **OM115** | | | | | | | | | | | | | |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **74/90654/1/CWTPWT001** | **1** | **25-10-2024** | **16** | **OM609** | | **PL** | | **150,00 mm** | **15,00 mm** | **1/2V** | **0,152 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **20-11-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **76/90654/1/CWTPWT001** | **1** | **30-01-2025** | **44** | **OM15** | | **PL** | | **150,00 mm** | **15,00 mm** | **1/2V** | **0,151 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-02-2025** |
| | | | | **OM115** | | | | | | | | | | | | | |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **102/90654/1/CWTPWT001** | **1** | **30-10-2024** | **20** | **OM616** | | **PL** | | **150,00 mm** | **15,00 mm** | **1/2V** | **0,152 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **20-11-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **107/90654/1/CWTPWT001** | **1** | **30-01-2025** | **44** | **OM15** | | **PL** | | **150,00 mm** | **15,00 mm** | **1/2V** | **0,151 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-02-2025** |
| | | | | **OM115** | | | | | | | | | | | | | |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **108/90654/1/CWTPWT001** | **1** | **30-01-2025** | **44** | **OM15** | | **PL** | | **150,00 mm** | **15,00 mm** | **1/2V** | **0,152 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-02-2025** |
| | | | | **OM115** | | | | | | | | | | | | | |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **110/90654/1/CWTPWT001** | **1** | **30-01-2025** | **44** | **OM15** | | **PL** | | **150,00 mm** | **15,00 mm** | **1/2V** | **0,151 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-02-2025** |
| | | | | **OM115** | | | | | | | | | | | | | |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **121/90654/1/CWTPWT001** | **1** | **30-01-2025** | **44** | **OM15** | | **PL** | | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-02-2025** |
| | | | | **OM115** | | | | | | | | | | | | | |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **122/90654/1/CWTPWT001** | **1** | **30-01-2025** | **44** | **OM15** | | **PL** | | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-02-2025** |
| | | | | **OM115** | | | | | | | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **122/90654/1/CWTPWT001** | | **1** | **30-01-2025** | **44** | **OM15 OM115** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-02-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **123/90654/1/CWTPWT001** | | **1** | **30-01-2025** | **44** | **OM15 OM115** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-02-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **124/90654/1/CWTPWT001** | | **1** | **30-01-2025** | **44** | **OM15 OM115** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-02-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **125/90654/1/CWTPWT001** | | **1** | **22-10-2024** | **31** | **OM603** | | **PL** | **150,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **20-11-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **127/90654/1/CWTPWT001** | | **1** | **28-10-2024** | **30** | **OM612** | | **PL** | **150,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **20-11-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **144/90654/1/CWTPWT001** | | **1** | **30-01-2025** | **44** | **OM15 OM115** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **145/90654/1/CWTPWT001** | | **1** | **30-01-2025** | **44** | **OM15 OM115** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **146/90654/1/CWTPWT001** | | **1** | **30-01-2025** | **44** | **OM15 OM115** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,239 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **147/90654/1/CWTPWT001** | | **1** | **30-01-2025** | **44** | **OM15 OM115** | | **PL** | **247,00 mm** | **10,00 mm** | **1/2V** | **0,250 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **152/90654/1/CWTPWT001** | | **1** | **30-01-2025** | **44** | **OM15 OM115** | | **PL** | **150,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | | Defect length | CND date | NOTE | |
| **152/90654/1/CWTPWT001** | | **1** | **30-01-2025** | **44** | **OM15** | | **PL** | **150,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **155/90654/1/CWTPWT001** | | **1** | **30-01-2025** | **44** | **OM15** | | **PL** | **150,00 mm** | **15,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-02-2025** |
| | | | | | **OM115** | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90654** | **Prefabrication** | **3,76 m** | **20 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **3,76 m** | **20 Nr. Welds** |
| | | **Accepted** | **3,76 m** | **20 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **7/90689/1/CWUETE008** | **0** | **07-08-2024** | **379** | **AX414** | | **HEA** | **340,00 mm** | **9,50 mm** | **V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **7/90689/1/CWUETE023** | **0** | **07-08-2024** | **379** | **AX411** | | **HEA** | **340,00 mm** | **9,50 mm** | **V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **8/90689/1/CWUETE023** | **0** | **07-08-2024** | **379** | **AX411** | | **HEA** | **340,00 mm** | **9,50 mm** | **V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-08-2024** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90689** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **0,90 m** | **3 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,90 m** | **3 Nr. Welds** |
| | | **Accepted** | **0,90 m** | **3 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | | Defect length | CND date | NOTE | |
| **1/90692/1/CWUHV026** | | **1** | **26-07-2024** | **1** | **SS06** | | **PIPE** | **1.066,20 mm** | **20,00 mm** | **X** | **0,225 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **29-08-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90692** | **Prefabrication** | **0,23 m** | **1 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,23 m** | **1 Nr. Welds** |
| | | **Accepted** | **0,23 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90753/1/CWTPSG001** | **0** | **16-10-2024** | **2** | **SS06** | | **PIPE** | **660,00 mm** | **20,00 mm** | **X** | **0,758 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **25-10-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |
| **2/90753/1/CWTPSG001** | **0** | **12-11-2024** | **44** | **GX08** | | **PIPE** | **406,40 mm** | **20,62 mm** | **V** | **1,276 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **15-11-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90753** | **Prefabrication** | **2,04 m** | **2 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,04 m** | **2 Nr. Welds** |
| | | **Accepted** | **2,04 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90754/1/CWTPSG002** | | **0** | **16-10-2024** | **2** | **SS06** | | **PIPE** | **660,00 mm** | **20,00 mm** | **X** | **1,450 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **25-10-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | CAM | 10 % | 000181 | 3 | Acceptable | | | | | 22-10-2024 | | |
| **2/90754/1/CWTPSG002** | | **0** | **15-11-2024** | **46** | **GX14** | | **PIPE** | **680,00 mm** | **10,00 mm** | **X** | **0,200 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **21-11-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **1/90754/1/CWTPSG003** | | **0** | **16-10-2024** | **2** | **SS06** | | **PIPE** | **660,00 mm** | **30,00 mm** | **X** | **1,450 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **25-10-2024** |
| | I | RT | FIN | Weld Completion | IDL-QCI-RT 0036 01 | CAM | 10 % | 000182 | 3 | Acceptable | | | | | 22-10-2024 | | |
| **2/90754/1/CWTPSG003** | | **0** | **22-11-2024** | **47** | **GX14** | | **PIPE** | **680,00 mm** | **10,00 mm** | **X** | **0,200 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **26-11-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90754** | **Prefabrication** | **3,30 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **3,30 m** | **4 Nr. Welds** |
| | | **Accepted** | **3,30 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90755/1/CWTPSG004** | **0** | **15-10-2024** | **3** | **SS06** | | **PIPE** | **660,00 mm** | **20,00 mm** | **X** | **0,761 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **25-10-2024** |
| | I | RT | FIN | Weld Completion | | 10 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90755** | **Prefabrication** | **0,76 m** | **1 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,76 m** | **1 Nr. Welds** |
| | | **Accepted** | **0,76 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure
Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90759/1/CWTPSG002** | **0** | **20-11-2024** | **14** | **GX14** | | **PIPE** | **660,00 mm** | **20,00 mm** | **V** | **2,073 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **22-11-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90759** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **2,07 m** | **1 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,07 m** | **1 Nr. Welds** |
| | | **Accepted** | **2,07 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure
Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90760/1/CWTPSG003** | **0** | **22-11-2024** | **15** | **GX14** | | **PIPE** | **660,00 mm** | **30,00 mm** | **V** | **2,113 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **26-11-2024** |
| I | RT | FIN | Weld Completion | | | 10 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90760** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **2,11 m** | **1 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,11 m** | **1 Nr. Welds** |
| | | **Accepted** | **2,11 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90762/1/CWCF001** | | **1** | **17-10-2024** | **21** | **RM84** | | **PIPE** | **323,90 mm** | **28,58 mm** | **V** | **1,017 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-10-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **2/90762/1/CWCF001** | | **1** | **25-10-2024** | **22** | **RM85** | | **PIPE** | **323,90 mm** | **28,58 mm** | **V** | **1,017 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **26-10-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90762/1/CWCF001** | | **1** | **04-11-2024** | **23** | **RM83**<br>**AX 398** | | **PIPE** | **406,40 mm** | **36,53 mm** | **V** | **1,276 m** | **P** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **06-11-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **4/90762/1/CWCF001** | | **1** | **04-11-2024** | **23** | **RM90**<br>**RM82**<br>**AX 398** | | **PIPE** | **406,40 mm** | **36,53 mm** | **V** | **1,276 m** | **P** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **06-11-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **5/90762/1/CWCF001** | | **1** | **02-12-2024** | **29** | **RM88** | | **PIPE** | **406,40 mm** | **36,53 mm** | **V** | **1,276 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-12-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90762/1/CWCF001** | | **1** | **04-11-2024** | **23** | **RM83**<br>**AX 398** | | **PIPE** | **406,40 mm** | **36,53 mm** | **V** | **1,276 m** | **P** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **06-11-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **7/90762/1/CWCF001** | | **1** | **13-01-2025** | **42** | **RM85**<br>**RM88** | | **PIPE** | **406,40 mm** | **36,53 mm** | **V** | **1,276 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **15-01-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **8/90762/1/CWCF001** | | **1** | **13-01-2025** | **42** | **RM85**<br>**RM88** | | **PIPE** | **406,40 mm** | **36,53 mm** | **V** | **1,276 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **15-01-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **10/90762/1/CWCF001** | | **1** | **02-12-2024** | **29** | **RM81** | | **PIPE** | **406,40 mm** | **36,53 mm** | **V** | **1,276 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-12-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **55/90762/1/CWCF001** | | **1** | **15-10-2024** | **19** | **RM81** | | **PIPE** | **323,90 mm** | **28,58 mm** | **V** | **1,017 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **16-10-2024** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure
Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **55/90762/1/CWCF001** | | **1** | **15-10-2024** | **19** | **RM81** | | **PIPE** | | **323,90 mm** | **28,58 mm** | **V** | **1,017 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **16-10-2024** |
| **56/90762/1/CWCF001** | | **1** | **06-11-2024** | **24** | **RM81** | | **PIPE** | | **406,40 mm** | **36,53 mm** | **V** | **1,276 m** | **P** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **08-11-2024** |
| | | | | | **AX 398** | | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **161/90762/1/CWCF001** | | **1** | **19-05-2025** | **138** | **AX84** | | **PIPE** | | **323,90 mm** | **12,00 mm** | **1/2V** | **1,017 m** | **P** | **C.S.** | **1A** | **GTAW+FCAW** | **BW** | **27-05-2025** |
| | | | | | **AX416** | | | | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| **162/90762/1/CWCF001** | | **1** | **16-01-2024** | **5-9** | **OS** | **Welding + Repair done** | **PIPE** | | **323,90 mm** | **12,00 mm** | **X** | **0,464 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-05-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |
| | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90762** | **Prefabrication** | **14,78 m** | **13 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **14,78 m** | **13 Nr. Welds** |
| | | **Accepted** | **14,78 m** | **13 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **10/90773/1/CWTPMD001** | **0** | **29-11-2024** | **49** | **DM22** | | **PL** | **80,00 mm** | **30,00 mm** | **1/2V** | **0,051 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **05-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90773** | **Prefabrication** | **0,05 m** | **1 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,05 m** | **1 Nr. Welds** |
| | | **Accepted** | **0,05 m** | **1 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **3/90774/1/CWCF003** | | **1** | **12-02-2025** | **1** | **A08** | | **PIPE** | **355,60 mm** | **20,00 mm** | **1/2V** | **1,116 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2025** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **9/90774/1/CWCF003** | | **1** | **13-01-2025** | **3-7** | **CB** | **Welding + Repair done** | **PIPE** | **355,60 mm** | **20,00 mm** | **X** | **0,181 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **04-02-2025** |
| | | | | | **OS** | **Welding + Repair done** | | | | | | | | | | |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| | | RT | R 1 DRI | After Repair | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90774** | **Prefabrication** | **1,30 m** | **2 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,30 m** | **2 Nr. Welds** |
| | | **Accepted** | **1,30 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **3/90775/1/CWCF004** | | **1** | **12-02-2025** | **1** | **A08** | | **PIPE** | **355,60 mm** | **20,00 mm** | **1/2V** | **1,027 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **9/90775/1/CWCF004** | | **1** | **13-01-2025** | **3-8** | **CB** | **Welding + Repair done** | **PIPE** | **355,60 mm** | **20,00 mm** | **X** | **0,181 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **04-02-2025** |
| | | | | | **OS** | **Welding + Repair done** | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| | | RT | R 1 DRI | After Repair | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90775** | **Prefabrication** | **1,21 m** | **2 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,21 m** | **2 Nr. Welds** |
| | | **Accepted** | **1,21 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90776/1/CWCF005** | **1** | **11-02-2025** | **2** | **A08** | | **PIPE** | **355,60 mm** | **20,00 mm** | **1/2V** | **1,116 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90776/1/CWCF005** | **1** | **14-01-2025** | **2** | **CB**<br>**OS** | | **PIPE** | **355,60 mm** | **20,00 mm** | **X** | **0,181 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **27-01-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90776** | **Prefabrication** | **1,30 m** | **2 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,30 m** | **2 Nr. Welds** |
| | | **Accepted** | **1,30 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90777/1/CWCF006** | | **1** | **11-02-2025** | **2** | **A08** | | **PIPE** | **355,60 mm** | **20,00 mm** | **1/2V** | **1,116 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90777/1/CWCF006** | | **1** | **14-01-2025** | **2-7** | **CB** | **Welding + Repair done** | **PIPE** | **355,60 mm** | **20,00 mm** | **X** | **0,181 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **04-02-2025** |
| | | | | | **OS** | **Welding + Repair done** | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| | | RT | R 1 DRI | After Repair | | | 5 % | | | Acceptable | | | | | | |

| | | | |
|---|---|---|---|
| **Totals per DWG** | **90777** | **Prefabrication** | **1,30 m** | **2 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,30 m** | **2 Nr. Welds** |
| | | **Accepted** | **1,30 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90778/1/CWCF007** | | **1** | **11-02-2025** | **2** | **A08** | | **PIPE** | **355,60 mm** | **20,00 mm** | **1/2V** | **1,116 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90778/1/CWCF007** | | **1** | **15-01-2025** | **1-8** | **CB** | **Welding + Repair done** | **PIPE** | **355,60 mm** | **20,00 mm** | **X** | **0,177 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **04-02-2025** |
| | | | | | **OS** | **Welding + Repair done** | | | | | | | | | | |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| | | RT | R 1 DRI | After Repair | | | 5 % | | | Acceptable | | | | | | |

| | | | |
|---|---|---|---|
| **Totals per DWG** | **90778** | **Prefabrication** | **1,30 m** | **2 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,30 m** | **2 Nr. Welds** |
| | | **Accepted** | **1,30 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90779/1/CWCF008** | **1** | **11-02-2025** | **2** | **A08** | | **PIPE** | **355,60 mm** | **20,00 mm** | **1/2V** | **1,116 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **14-02-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90779/1/CWCF008** | **1** | **15-01-2025** | **1** | **CB** | | **PIPE** | **355,60 mm** | **20,00 mm** | **X** | **0,140 m** | **P** | **C.S.** | **1D** | **GMAW+SAW** | **BW** | **27-01-2025** |
| | | | | **OS** | | | | | | | | | | | |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90779** | **Prefabrication** | **1,26 m** | **2 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,26 m** | **2 Nr. Welds** |
| | | **Accepted** | **1,26 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90802/1/CWG004** | **0** | **04-03-2025** | **61** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,302 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90802/1/CWG004** | **0** | **04-03-2025** | **61** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **4/90802/1/CWG004** | **0** | **04-03-2025** | **61** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,302 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90802/1/CWG004** | **0** | **04-03-2025** | **61** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **9/90802/1/CWG004** | **0** | **03-03-2025** | **60** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,302 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **11/90802/1/CWG004** | **0** | **03-03-2025** | **60** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **12/90802/1/CWG004** | **0** | **03-03-2025** | **60** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,302 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **05-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **14/90802/1/CWG004** | **0** | **03-03-2025** | **60** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90802/1/CWG007** | | **0** | **04-03-2025** | **61** | **DM28** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,302 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **05-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90802/1/CWG007** | | **0** | **04-03-2025** | **61** | **DM28** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **18-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **4/90802/1/CWG007** | | **0** | **04-03-2025** | **61** | **DM28** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,302 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **05-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90802/1/CWG007** | | **0** | **04-03-2025** | **61** | **DM28** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **18-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **9/90802/1/CWG007** | | **0** | **03-03-2025** | **60** | **DM28** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,302 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **05-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **11/90802/1/CWG007** | | **0** | **03-03-2025** | **60** | **DM28** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **05-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **12/90802/1/CWG007** | | **0** | **03-03-2025** | **60** | **DM28** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,302 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **05-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **14/90802/1/CWG007** | | **0** | **03-03-2025** | **60** | **DM28** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **19-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90802** | **Prefabrication** | **4,80 m** | **16 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **4,80 m** | **16 Nr. Welds** |
| | | **Accepted** | **4,80 m** | **16 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90804/1/CWG005** | **0** | **07-03-2025** | **69** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90804/1/CWG005** | **0** | **07-03-2025** | **69** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **4/90804/1/CWG005** | **0** | **07-03-2025** | **69** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90804/1/CWG005** | **0** | **07-03-2025** | **69** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **9/90804/1/CWG005** | **0** | **07-03-2025** | **69** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **11/90804/1/CWG005** | **0** | **07-03-2025** | **69** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **12/90804/1/CWG005** | **0** | **07-03-2025** | **69** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **14/90804/1/CWG005** | **0** | **07-03-2025** | **69** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90804/1/CWG008** | | **0** | **06-03-2025** | **68** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90804/1/CWG008** | | **0** | **06-03-2025** | **68** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **18-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **4/90804/1/CWG008** | | **0** | **06-03-2025** | **68** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90804/1/CWG008** | | **0** | **06-03-2025** | **68** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **18-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **9/90804/1/CWG008** | | **0** | **06-03-2025** | **68** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **11/90804/1/CWG008** | | **0** | **06-03-2025** | **68** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **18-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **12/90804/1/CWG008** | | **0** | **06-03-2025** | **68** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **14/90804/1/CWG008** | | **0** | **06-03-2025** | **68** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **18-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90804** | **Prefabrication** | **4,80 m** | **16 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **4,80 m** | **16 Nr. Welds** |
| | | **Accepted** | **4,80 m** | **16 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **5/90806/1/CWG006** | III | **0** RT | **07-03-2025** FIN | **69** Weld Completion | **DM09** | | **HEB** 5 % | **800,00 mm** | **33,00 mm** | **1/2V** Acceptable | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| **7/90806/1/CWG006** | III | **0** RT | **07-03-2025** FIN | **69** Weld Completion | **DM09** | | **HEB** 5 % | **800,00 mm** | **33,00 mm** | **1/2V** Acceptable | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| **8/90806/1/CWG006** | III | **0** RT | **21-03-2025** FIN | **78** Weld Completion | **DM22** | | **HEB** 5 % | **800,00 mm** | **33,00 mm** | **1/2V** Acceptable | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| **9/90806/1/CWG006** | III | **0** RT | **21-03-2025** FIN | **78** Weld Completion | **DM22** | | **HEB** 5 % | **800,00 mm** | **33,00 mm** | **1/2V** Acceptable | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| **11/90806/1/CWG006** | III | **0** RT | **07-03-2025** FIN | **69** Weld Completion | **DM09** | | **HEB** 5 % | **800,00 mm** | **33,00 mm** | **1/2V** Acceptable | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| **13/90806/1/CWG006** | III | **0** RT | **07-03-2025** FIN | **69** Weld Completion | **DM09** | | **HEB** 5 % | **800,00 mm** | **33,00 mm** | **1/2V** Acceptable | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| **16/90806/1/CWG006** | III | **0** RT | **07-03-2025** FIN | **69** Weld Completion | **DM22** | | **HEB** 5 % | **800,00 mm** | **33,00 mm** | **1/2V** Acceptable | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| **18/90806/1/CWG006** | III | **0** RT | **07-03-2025** FIN | **69** Weld Completion | **DM22** | | **HEB** 5 % | **800,00 mm** | **33,00 mm** | **1/2V** Acceptable | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| **19/90806/1/CWG006** | III | **0** RT | **21-03-2025** FIN | **78** Weld Completion | **DM25** | | **HEB** 5 % | **800,00 mm** | **33,00 mm** | **1/2V** Acceptable | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **08-04-2025** |
| **20/90806/1/CWG006** | III | **0** RT | **21-03-2025** FIN | **78** Weld Completion | **DM25** | | **HEB** 5 % | **800,00 mm** | **33,00 mm** | **1/2V** Acceptable | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **22-03-2025** |
| **22/90806/1/CWG006** | III | **0** RT | **07-03-2025** FIN | **69** Weld Completion | **DM22** | | **HEB** 5 % | **800,00 mm** | **33,00 mm** | **1/2V** Acceptable | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| **24/90806/1/CWG006** | | **0** | **07-03-2025** | **69** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **24/90806/1/CWG006** | | **0** | **07-03-2025** | **69** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **5/90806/1/CWG009** | | **0** | **06-03-2025** | **68** | **DM09** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **7/90806/1/CWG009** | | **0** | **06-03-2025** | **68** | **DM09** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **8/90806/1/CWG009** | | **0** | **11-03-2025** | **72** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **9/90806/1/CWG009** | | **0** | **11-03-2025** | **72** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **11/90806/1/CWG009** | | **0** | **06-03-2025** | **68** | **DM09** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **13/90806/1/CWG009** | | **0** | **06-03-2025** | **68** | **DM09** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **16/90806/1/CWG009** | | **0** | **06-03-2025** | **68** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **18/90806/1/CWG009** | | **0** | **06-03-2025** | **68** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **19/90806/1/CWG009** | | **0** | **12-03-2025** | **73** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **20/90806/1/CWG009** | | **0** | **12-03-2025** | **73** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **22/90806/1/CWG009** | | **0** | **06-03-2025** | **68** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | | |
| **22/90806/1/CWG009** | | **0** | **06-03-2025** | **68** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **10-03-2025** |
| | III | RT | FIN | Weld Completion | | 5 % | | | Acceptable | | | | | | | |
| **24/90806/1/CWG009** | | **0** | **06-03-2025** | **68** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **01-04-2025** |
| | III | RT | FIN | Weld Completion | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90806** | **Prefabrication** | **7,20 m** | **24 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **7,20 m** | **24 Nr. Welds** |
| | | **Accepted** | **7,20 m** | **24 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **27/90807/1/CWG006** | | **0** | **21-03-2025** | **78** | **DM22** | | **PL** | | **150,00 mm** | **20,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **22-03-2025** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **28/90807/1/CWG006** | | **0** | **21-03-2025** | **78** | **DM22** | | **PL** | | **150,00 mm** | **20,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **22-03-2025** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **41/90807/1/CWG006** | | **0** | **21-03-2025** | **78** | **DM22** | | **PL** | | **150,00 mm** | **20,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **22-03-2025** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **42/90807/1/CWG006** | | **0** | **21-03-2025** | **78** | **DM22** | | **PL** | | **150,00 mm** | **20,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **22-03-2025** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **57/90807/1/CWG006** | | **0** | **21-03-2025** | **78** | **DM25** | | **PL** | | **150,00 mm** | **20,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **22-03-2025** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **58/90807/1/CWG006** | | **0** | **21-03-2025** | **78** | **DM25** | | **PL** | | **150,00 mm** | **20,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **22-03-2025** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **69/90807/1/CWG006** | | **0** | **21-03-2025** | **78** | **DM25** | | **PL** | | **150,00 mm** | **20,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **22-03-2025** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **70/90807/1/CWG006** | | **0** | **21-03-2025** | **78** | **DM25** | | **PL** | | **150,00 mm** | **20,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **22-03-2025** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Class | Insp. Category | Rev. | Cont. | Prod. Date | Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type | Exam. % | Dimension | N. Rep | Thickness | Films n. | Bevel | Result | Weld Length | WPS Rip. | P/M | Material | Techn. Weld. | WPS | Defect length | Techn. Weld. | CND date | Type Conn | NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **27/90807/1/CWG009** | III | | **0** | RT | **12-03-2025** | FIN | **73** | **DM22** | | | **PL** | 5 % | **150,00 mm** | | **20,00 mm** | | **1/2V** | Acceptable | **0,150 m** | | **P** | **C.S.** | | **2A** | | **FCAW** | | **BW** | | **17-03-2025** |
| **28/90807/1/CWG009** | III | | **0** | RT | **12-03-2025** | FIN | **73** | **DM22** | | | **PL** | 5 % | **150,00 mm** | | **20,00 mm** | | **1/2V** | Acceptable | **0,150 m** | | **P** | **C.S.** | | **2A** | | **FCAW** | | **BW** | | **17-03-2025** |
| **41/90807/1/CWG009** | III | | **0** | RT | **13-03-2025** | FIN | **74** | **DM07** | | | **PL** | 5 % | **150,00 mm** | | **20,00 mm** | | **1/2V** | Acceptable | **0,150 m** | | **P** | **C.S.** | | **2A** | | **FCAW** | | **BW** | | **17-03-2025** |
| **42/90807/1/CWG009** | III | | **0** | RT | **13-03-2025** | FIN | **74** | **DM07** | | | **PL** | 5 % | **150,00 mm** | | **20,00 mm** | | **1/2V** | Acceptable | **0,150 m** | | **P** | **C.S.** | | **2A** | | **FCAW** | | **BW** | | **17-03-2025** |
| **57/90807/1/CWG009** | III | | **0** | RT | **13-03-2025** | FIN | **74** | **DM25** | | | **PL** | 5 % | **150,00 mm** | | **20,00 mm** | | **1/2V** | Acceptable | **0,150 m** | | **P** | **C.S.** | | **2A** | | **FCAW** | | **BW** | | **17-03-2025** |
| **58/90807/1/CWG009** | III | | **0** | RT | **13-03-2025** | FIN | **74** | **DM22** | | | **PL** | 5 % | **150,00 mm** | | **20,00 mm** | | **1/2V** | Acceptable | **0,150 m** | | **P** | **C.S.** | | **2A** | | **FCAW** | | **BW** | | **17-03-2025** |
| **69/90807/1/CWG009** | III | | **0** | RT | **14-03-2025** | FIN | **75** | **DM25** | | | **PL** | 5 % | **150,00 mm** | | **20,00 mm** | | **1/2V** | Acceptable | **0,150 m** | | **P** | **C.S.** | | **2A** | | **FCAW** | | **BW** | | **17-03-2025** |
| **70/90807/1/CWG009** | III | | **0** | RT | **14-03-2025** | FIN | **75** | **DM25** | | | **PL** | 5 % | **150,00 mm** | | **20,00 mm** | | **1/2V** | Acceptable | **0,150 m** | | **P** | **C.S.** | | **2A** | | **FCAW** | | **BW** | | **17-03-2025** |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90807** | **Prefabrication** | **2,40 m** | **16 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,40 m** | **16 Nr. Welds** |
| | | **Accepted** | **2,40 m** | **16 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90809/1/CWG002** | **0** | **22-03-2025** | **83** | **DM22** | | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-04-2025** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **3/90809/1/CWG002** | **0** | **22-03-2025** | **83** | **DM22** | | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-04-2025** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **4/90809/1/CWG002** | **0** | **22-03-2025** | **83** | **DM25** | | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **31-03-2025** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **6/90809/1/CWG002** | **0** | **22-03-2025** | **83** | **DM25** | | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-04-2025** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **9/90809/1/CWG002** | **0** | **22-03-2025** | **83** | **DM22** | | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-04-2025** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **11/90809/1/CWG002** | **0** | **22-03-2025** | **83** | **DM22** | | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-04-2025** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **12/90809/1/CWG002** | **0** | **22-03-2025** | **83** | **DM25** | | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-04-2025** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |
| **14/90809/1/CWG002** | **0** | **22-03-2025** | **83** | **DM25** | | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-04-2025** |
| III | RT | FIN | Weld Completion | | | | 5 % | | | Acceptable | | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90809/1/CWG011** | | **0** | **17-03-2025** | **85** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **31-03-2025** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90809/1/CWG011** | | **0** | **17-03-2025** | **85** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **31-03-2025** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **4/90809/1/CWG011** | | **0** | **17-03-2025** | **85** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **31-03-2025** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **6/90809/1/CWG011** | | **0** | **17-03-2025** | **85** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **31-03-2025** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **9/90809/1/CWG011** | | **0** | **17-03-2025** | **85** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **31-03-2025** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **11/90809/1/CWG011** | | **0** | **17-03-2025** | **85** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **31-03-2025** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **12/90809/1/CWG011** | | **0** | **17-03-2025** | **85** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **31-03-2025** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **14/90809/1/CWG011** | | **0** | **17-03-2025** | **85** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **31-03-2025** |
| III | | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90809** | **Prefabrication** | **4,80 m** | **16 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **4,80 m** | **16 Nr. Welds** |
| | | **Accepted** | **4,80 m** | **16 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90811/1/CWG001** | **0** | **20-03-2025** | **77** | **DM22** | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,302 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **25-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90811/1/CWG001** | **0** | **20-03-2025** | **77** | **DM22** | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **25-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **4/90811/1/CWG001** | **0** | **20-03-2025** | **77** | **DM25** | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,302 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **25-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **6/90811/1/CWG001** | **0** | **20-03-2025** | **77** | **DM25** | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **25-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **9/90811/1/CWG001** | **0** | **21-03-2025** | **78** | **DM22** | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,302 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **25-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **11/90811/1/CWG001** | **0** | **21-03-2025** | **78** | **DM22** | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **25-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **12/90811/1/CWG001** | **0** | **21-03-2025** | **78** | **DM25** | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,302 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **25-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **14/90811/1/CWG001** | **0** | **21-03-2025** | **78** | **DM25** | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **25-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material | WPS / Defect length | Techn. Weld. / CND date | Type Conn / NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1/90811/1/CWG012** | | **0** | **14-03-2025** | **75** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,302 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **3/90811/1/CWG012** | | **0** | **14-03-2025** | **75** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **31-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **4/90811/1/CWG012** | | **0** | **14-03-2025** | **75** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,302 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **6/90811/1/CWG012** | | **0** | **14-03-2025** | **75** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **31-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **9/90811/1/CWG012** | | **0** | **15-03-2025** | **76** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,302 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **11/90811/1/CWG012** | | **0** | **15-03-2025** | **76** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **12/90811/1/CWG012** | | **0** | **15-03-2025** | **76** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,302 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **14/90811/1/CWG012** | | **0** | **15-03-2025** | **76** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **17-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90811** | **Prefabrication** | **4,80 m** | **16 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **4,80 m** | **16 Nr. Welds** |
| | | **Accepted** | **4,80 m** | **16 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **5/90813/1/CWG003** | | **0** | **17-03-2025** | **79** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **7/90813/1/CWG003** | | **0** | **17-03-2025** | **79** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **24-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **8/90813/1/CWG003** | | **0** | **17-03-2025** | **79** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **9/90813/1/CWG003** | | **0** | **17-03-2025** | **79** | **DM09** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **11/90813/1/CWG003** | | **0** | **17-03-2025** | **79** | **DM09** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **13/90813/1/CWG003** | | **0** | **17-03-2025** | **79** | **DM09** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **24-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **16/90813/1/CWG003** | | **0** | **18-03-2025** | **80** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **24-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **18/90813/1/CWG003** | | **0** | **18-03-2025** | **80** | **DM09** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **24-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **19/90813/1/CWG003** | | **0** | **18-03-2025** | **80** | **DM07** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **24-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **20/90813/1/CWG003** | | **0** | **18-03-2025** | **80** | **DM09** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **22/90813/1/CWG003** | | **0** | **18-03-2025** | **80** | **DM09** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **07-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **24/90813/1/CWG003** | | **0** | **18-03-2025** | **80** | **DM09** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **24-03-2025** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number / Class | Insp. Category | Rev. / Cont. | Prod. Date / Examination phase | Prod. Sheet | Welders / Work Instructions | Oper. | Item type / Exam. % | Dimension / N. Rep | Thickness / Films n. | Bevel / Result | Weld Length / WPS Rip. | P/M / Techn. Weld. | Material / Defect length | WPS / CND date | Techn. Weld. / NOTE | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **24/90813/1/CWG003** | | **0** | **18-03-2025** | **80** | **DM09** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **24-03-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **5/90813/1/CWG013** | | **0** | **19-03-2025** | **89** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **7/90813/1/CWG013** | | **0** | **19-03-2025** | **89** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **8/90813/1/CWG013** | | **0** | **29-03-2025** | **93** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **9/90813/1/CWG013** | | **0** | **29-03-2025** | **93** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **11/90813/1/CWG013** | | **0** | **19-03-2025** | **89** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **13/90813/1/CWG013** | | **0** | **19-03-2025** | **89** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **16/90813/1/CWG013** | | **0** | **20-03-2025** | **90** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **18/90813/1/CWG013** | | **0** | **20-03-2025** | **90** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **19/90813/1/CWG013** | | **0** | **29-03-2025** | **93** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **20/90813/1/CWG013** | | **0** | **29-03-2025** | **93** | **DM22** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **22/90813/1/CWG013** | | **0** | **20-03-2025** | **90** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2025** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | | Defect length | CND date | NOTE | |
| **22/90813/1/CWG013** | | **0** | **20-03-2025** | **90** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **24/90813/1/CWG013** | | **0** | **20-03-2025** | **90** | **DM25** | | **HEB** | **800,00 mm** | **33,00 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **03-04-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90813** | **Prefabrication** | **7,20 m** | **24 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **7,20 m** | **24 Nr. Welds** |
| | | **Accepted** | **7,20 m** | **24 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **27/90814/1/CWG003** | **0** | **19-03-2025** | **81** | **DM07** | | **PL** | | **150,00 mm** | **20,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **24-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **28/90814/1/CWG003** | **0** | **19-03-2025** | **81** | **DM07** | | **PL** | | **150,00 mm** | **20,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **24-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **41/90814/1/CWG003** | **0** | **19-03-2025** | **81** | **DM07** | | **PL** | | **150,00 mm** | **20,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **24-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **42/90814/1/CWG003** | **0** | **19-03-2025** | **81** | **DM07** | | **PL** | | **150,00 mm** | **20,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **24-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **57/90814/1/CWG003** | **0** | **20-03-2025** | **82** | **DM07** | | **PL** | | **150,00 mm** | **20,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **24-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **58/90814/1/CWG003** | **0** | **20-03-2025** | **82** | **DM07** | | **PL** | | **150,00 mm** | **20,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **24-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **69/90814/1/CWG003** | **0** | **20-03-2025** | **82** | **DM07** | | **PL** | | **150,00 mm** | **20,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **24-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **70/90814/1/CWG003** | **0** | **20-03-2025** | **82** | **DM07** | | **PL** | | **150,00 mm** | **20,00 mm** | **1/2V** | **0,150 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **24-03-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Class | Insp. Category | Rev. | Cont. | Prod. Date | Examination phase | Prod. Sheet | Welders | Work Instructions | Oper. | Item type | Exam. % | Dimension | N. Rep | Thickness | Films n. | Bevel | Result | Weld Length | WPS Rip. | P/M | Material | Techn. Weld. | WPS | Defect length | Techn. Weld. | CND date | Type Conn | NOTE | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **27/90814/1/CWG013** | III | | **0** | RT | **21-03-2025** | FIN | **91** | **DM07** | | | **PL** | 5 % | **150,00 mm** | | **20,00 mm** | | **1/2V** | Acceptable | **0,150 m** | | **P** | **C.S.** | | **2A** | | **FCAW** | | **BW** | | **03-04-2025** |
| **28/90814/1/CWG013** | III | | **0** | RT | **21-03-2025** | FIN | **91** | **DM07** | | | **PL** | 5 % | **150,00 mm** | | **20,00 mm** | | **1/2V** | Acceptable | **0,150 m** | | **P** | **C.S.** | | **2A** | | **FCAW** | | **BW** | | **03-04-2025** |
| **41/90814/1/CWG013** | III | | **0** | RT | **21-03-2025** | FIN | **91** | **DM09** | | | **PL** | 5 % | **150,00 mm** | | **20,00 mm** | | **1/2V** | Acceptable | **0,150 m** | | **P** | **C.S.** | | **2A** | | **FCAW** | | **BW** | | **03-04-2025** |
| **42/90814/1/CWG013** | III | | **0** | RT | **21-03-2025** | FIN | **91** | **DM09** | | | **PL** | 5 % | **150,00 mm** | | **20,00 mm** | | **1/2V** | Acceptable | **0,150 m** | | **P** | **C.S.** | | **2A** | | **FCAW** | | **BW** | | **03-04-2025** |
| **57/90814/1/CWG013** | III | | **0** | RT | **24-03-2025** | FIN | **92** | **DM22** | | | **PL** | 5 % | **150,00 mm** | | **20,00 mm** | | **1/2V** | Acceptable | **0,150 m** | | **P** | **C.S.** | | **2A** | | **FCAW** | | **BW** | | **03-04-2025** |
| **58/90814/1/CWG013** | III | | **0** | RT | **24-03-2025** | FIN | **92** | **DM22** | | | **PL** | 5 % | **150,00 mm** | | **20,00 mm** | | **1/2V** | Acceptable | **0,150 m** | | **P** | **C.S.** | | **2A** | | **FCAW** | | **BW** | | **03-04-2025** |
| **69/90814/1/CWG013** | III | | **0** | RT | **24-03-2025** | FIN | **92** | **DM09** | | | **PL** | 5 % | **150,00 mm** | | **20,00 mm** | | **1/2V** | Acceptable | **0,150 m** | | **P** | **C.S.** | | **2A** | | **FCAW** | | **BW** | | **03-04-2025** |
| **70/90814/1/CWG013** | III | | **0** | RT | **24-03-2025** | FIN | **92** | **DM09** | | | **PL** | 5 % | **150,00 mm** | | **20,00 mm** | | **1/2V** | Acceptable | **0,150 m** | | **P** | **C.S.** | | **2A** | | **FCAW** | | **BW** | | **03-04-2025** |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90814** | **Prefabrication** | **2,40 m** | **16 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,40 m** | **16 Nr. Welds** |
| | | **Accepted** | **2,40 m** | **16 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **25/90824/1/CWG004** | **00** | **18-07-2025** | **132** | **OM61** | | **PL** | **540,00 mm** | **20,00 mm** | **K** | **0,810 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-07-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **26/90824/1/CWG004** | **00** | **18-07-2025** | **132** | **OM61** | | **PL** | **540,00 mm** | **20,00 mm** | **K** | **0,810 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-07-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **27/90824/1/CWG004** | **00** | **18-07-2025** | **132** | **OM61** | | **PL** | **540,00 mm** | **20,00 mm** | **K** | **0,810 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-07-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90824** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **2,43 m** | **3 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,43 m** | **3 Nr. Welds** |
| | | **Accepted** | **2,43 m** | **3 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **25/90826/1/CWG007** | **00** | **18-07-2025** | **132** | **OM61** | | **PL** | **540,00 mm** | **20,00 mm** | **K** | **0,817 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-07-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **26/90826/1/CWG007** | **00** | **18-07-2025** | **132** | **OM61** | | **PL** | **540,00 mm** | **20,00 mm** | **K** | **0,817 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-07-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **27/90826/1/CWG007** | **00** | **18-07-2025** | **132** | **OM61** | | **PL** | **540,00 mm** | **20,00 mm** | **K** | **0,817 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **28-07-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90826** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **2,46 m** | **3 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **2,46 m** | **3 Nr. Welds** |
| | | **Accepted** | **2,46 m** | **3 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | | |
| **1/90839/1/CWGS059** | | **0** | **15-07-2025** | **109** | **OM623** | | **PL** | **100,00 mm** | **25,00 mm** | **1/2V** | **0,115 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **18-07-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **1/90839/1/CWGS063** | | **0** | **15-07-2025** | **109** | **OM623** | | **PL** | **100,00 mm** | **25,00 mm** | **1/2V** | **0,115 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **18-07-2025** |
| | III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90839** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **0,24 m** | **2 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,24 m** | **2 Nr. Welds** |
| | | **Accepted** | **0,24 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90841/1/CWGS060** | **0** | **11-07-2025** | **102** | **OM405** | | **PL** | **100,00 mm** | **25,00 mm** | **1/2V** | **0,115 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-07-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **1/90841/1/CWGS064** | **0** | **11-07-2025** | **102** | **OM405** | | **PL** | **100,00 mm** | **25,00 mm** | **1/2V** | **0,115 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **15-07-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90841** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **0,24 m** | **2 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,24 m** | **2 Nr. Welds** |
| | | **Accepted** | **0,24 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90843/1/CWGS057** | **0** | **15-07-2025** | **110** | **OM616** | | **PL** | **100,00 mm** | **25,00 mm** | **1/2V** | **0,115 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **18-07-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **1/90843/1/CWGS061** | **0** | **15-07-2025** | **110** | **OM616** | | **PL** | **100,00 mm** | **25,00 mm** | **1/2V** | **0,115 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **18-07-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90843** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **0,24 m** | **2 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,24 m** | **2 Nr. Welds** |
| | | **Accepted** | **0,24 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90845/1/CWGS058** | | **15-07-2025** | **111** | **OM15** | | **PL** | **100,00 mm** | **25,00 mm** | **1/2V** | **0,115 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **18-07-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **1/90845/1/CWGS062** | | **15-07-2025** | **111** | **OM15** | | **PL** | **100,00 mm** | **25,00 mm** | **1/2V** | **0,115 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **18-07-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90845** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **0,24 m** | **2 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **0,24 m** | **2 Nr. Welds** |
| | | **Accepted** | **0,24 m** | **2 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90846/1/CWGSCF001** | **0** | **16-04-2025** | **101** | **DM09** | | **PL** | **197,00 mm** | **15,00 mm** | **1/2V** | **0,330 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **30-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **2/90846/1/CWGSCF001** | **0** | **16-04-2025** | **101** | **DM09** | | **PL** | **197,00 mm** | **15,00 mm** | **1/2V** | **0,330 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **30-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **1/90846/1/CWGSCF002** | **0** | **17-04-2025** | **100** | **DM09** | | **PL** | **197,00 mm** | **15,00 mm** | **1/2V** | **0,330 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-05-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |
| **2/90846/1/CWGSCF002** | **0** | **17-04-2025** | **100** | **DM09** | | **PL** | **197,00 mm** | **15,00 mm** | **1/2V** | **0,330 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-05-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90846** | **Prefabrication** | **1,32 m** | **4 Nr. Welds** |
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,32 m** | **4 Nr. Welds** |
| | | **Accepted** | **1,32 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **1/90848/1/CWGSCF005** | **0** | **19-04-2025** | **98** | **DM09** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **30-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **2/90848/1/CWGSCF005** | **0** | **19-04-2025** | **98** | **DM09** | | **HEA** | **340,00 mm** | **9,50 mm** | **1/2V** | **0,330 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **30-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90848/1/CWGSCF005** | **0** | **19-04-2025** | **98** | **DM09** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **30-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **1/90848/1/CWGSCF010** | **0** | **19-04-2025** | **98** | **DM09** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-05-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **2/90848/1/CWGSCF010** | **0** | **19-04-2025** | **98** | **DM09** | | **HEA** | **340,00 mm** | **9,50 mm** | **1/2V** | **0,330 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-05-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **3/90848/1/CWGSCF010** | **0** | **19-04-2025** | **98** | **DM09** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **P** | **C.S.** | **2A** | **FCAW** | **BW** | **06-05-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| **Totals per DWG** | **90848** | **Prefabrication** | **1,86 m** | **6 Nr. Welds** |
|---|---|---|---|---|
| | | **Erection** | **0,00 m** | **0 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,86 m** | **6 Nr. Welds** |
| | | **Accepted** | **1,86 m** | **6 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Conn | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **9/90853/1/CWGSCF008** | **0** | **28-04-2025** | **25** | **DM09** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **11/90853/1/CWGSCF008** | **0** | **28-04-2025** | **25** | **DM09** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **12/90853/1/CWGSCF009** | **0** | **28-04-2025** | **25** | **DM09** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **14/90853/1/CWGSCF009** | **0** | **28-04-2025** | **25** | **DM09** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **30-04-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90853** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **1,20 m** | **4 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,20 m** | **4 Nr. Welds** |
| | | **Accepted** | **1,20 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |

**Rosetti Marino S.p.A.**

# Welding Register

Job 123A90 BASE LOAD POWER HUB (BLPH)
Client CRWIND CROSSWIND
Discipline ST Structure

Order Number CW-I-WP4-2023-05
ITEM GRILLAGE AND SEAFASTENING

| Weld Number | Rev. | Prod. Date | Prod. Sheet | Welders | Item type | Dimension | Thickness | Bevel | Weld Length | P/M | Material | WPS | Techn. Weld. | Type Cons | Accept. Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class | Insp. Category | Cont. | Examination phase | Work Instructions | Oper. | Exam. % | N. Rep | Films n. | Result | WPS Rip. | Techn. Weld. | Defect length | CND date | NOTE | |
| **26/90854/1/CWGSCF006** | **0** | **28-04-2025** | **25** | **DM07** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-05-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **28/90854/1/CWGSCF006** | **0** | **28-04-2025** | **25** | **DM07** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-05-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **23/90854/1/CWGSCF007** | **0** | **28-04-2025** | **25** | **DM07** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-05-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |
| **25/90854/1/CWGSCF007** | **0** | **28-04-2025** | **25** | **DM07** | | **HEA** | **340,00 mm** | **16,50 mm** | **1/2V** | **0,300 m** | **M** | **C.S.** | **2A** | **FCAW** | **BW** | **05-05-2025** |
| III | RT | FIN | Weld Completion | | | 5 % | | | Acceptable | | | | | | |

| | | | | |
|---|---|---|---|---|
| **Totals per DWG** | **90854** | **Prefabrication** | **0,00 m** | **0 Nr. Welds** |
| | | **Erection** | **1,20 m** | **4 Nr. Welds** |
| | | **Offshore** | **0,00 m** | **0 Nr. Welds** |
| | | **Performed** | **1,20 m** | **4 Nr. Welds** |
| | | **Accepted** | **1,20 m** | **4 Nr. Welds** |
| | | **Repaired** | **0,00 m** | **0 Nr. Welds** |
| **Totals by Discipline** | | **Prefabrication** | **301,73 m** | **490 Nr. Welds** |
| | | **Erection** | **397,27 m** | **939 Nr. Welds** |
| | | **Offshore** | **10,04 m** | **4 Nr. Welds** |
| | | **Performed** | **699,00 m** | **1429 Nr. Welds** |
| | | **Accepted** | **699,00 m** | **1429 Nr. Welds** |
| | | **Repaired** | **0,92 m** | **29 Nr. Welds** |
| **Totals by Project** | | **Prefabrication** | **301,73 m** | **490 Nr. Welds** |
| | | **Erection** | **397,27 m** | **939 Nr. Welds** |
| | | **Offshore** | **10,04 m** | **4 Nr. Welds** |
| | | **Performed** | **699,00 m** | **1429 Nr. Welds** |
| | | **Accepted** | **699,00 m** | **1429 Nr. Welds** |
| | | **Repaired** | **0,92 m** | **29 Nr. Welds** |

ROSETTI MARINO
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**NDT ACTIVITIES - TEST REPORT**

## RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 11-11-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1C | FCAW+SAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

### RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | ASTM 1B | Wire n.7 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 27 | 1 | Panoramic | 2.3 - 4.0 | 0,181 | 11-11-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 330 mm | 20.00 | 350 mm | 20.00 min. | 1 |

### OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000184 | 2 | 123A90-FDL-ST-DD 90204 | 1 | CWLG020 | V | 700.0 | 20.00 | 0-1 | | A | AX85 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abaz Alban | Quality Control Dept.<br>Alberto Cavazzi<br>Rosetti Marino SpA | | | |

ABAZI ALBAN
II LIV. SNT-TC-1A
EN-473 [illegible]9712
MT-PT-RT

ROSETTI MARINO
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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 04-11-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10025 S355 J2 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 04-11-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000183 | 8 | 123A90-FDL-ST-DD 90588 | 1 | CWTPW085 | 1/2V | 340.0 | 16.50 | A | | A | GX14-GX37 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Campagnolo Roberto | Quality Control Dept. Alberto Cavazzi Rosetti Marino SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
Operator: Partisani Riccardo
ISO 9712/SNT-TC-1A

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 22-10-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1D | GMAW+SAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S460 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| X Ray | 6 FE EN | W11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | FUJI 80 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 300/3 | 3 | Single Wall | 2,5 | 0,12 | |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioi Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 700 mm | 30.00 | 730 mm | 4.25 min. | 3 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000182 | 1 | 123A90-FDL-ST-DD 90754 | 1 | CWTPSG003 | X | 660.0 | 30.00 | 1-2 | | A | SS06 |
| | | | | | | | | 3-4 | | A | |
| | | | | | | | | 5-6 | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: MQ Control S.r.l. Operator: Cantoni Maurizio | M.A. Servizio Controllo Qualità CARPENTERIA E MECCANICA | Quality Control Dept. Cerato Alex per Rosetti Marino SpA 28.10.2024 | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 22-10-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1D | GMAW+SAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITF-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S460 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| X Ray | 6 FE EN | W11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | FUJI 80 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 300/3 | 3 | Single Wall | 2,5 | 0,12 | 22-10-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioi Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 700 mm | 30.00 | 730 mm | 4.25 min. | 3 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000181 | 1 | 123A90-FDL-ST-DD 90754 | 1 | CWTPSG002 | X | 660.0 | 30.00 | 1-2 | DF | A | SS06 |
| | | | | | | | | 3-4 | | A | |
| | | | | | | | | 5-6 | DF | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: MC Control S.r.l. Operator: Canton Maurizio | M.A. Servizio Controllo Qualità CARPENTERIA E MECCANICA | Quality Control Dept. Cerato Alex per Rosetti Marino SpA 28.10.2024 | | |

ROSETTI MARINO
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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 02-10-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1A | GTAW+FCAW | K559-2254-MT-SPE-001 | 123A90-FML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.10 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | Kodak T200 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 40 | 1 | Contatto | 2.3 - 4.0 | 0,05 | |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 780 mm | 20.00 | 800 mm | 40.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000180 | 1 | 123A90-FDL-ST-DD 90288 | 1 | CWLG014 | V | 800.0 | 20.00 | 0-1 | AA-AB-EX | A | AX411-AX416 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani II Level VT-MT-PT-RT Operator: Partisani Riccardo ISO 9712/SNT-TC-1A | Quality Control Dept. Alberto Cavazzi Rosetti Marino SpA | | | |

ROSETTI MARINO
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**NDT ACTIVITIES - TEST REPORT**

## RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 02-10-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

### RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.10 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | Kodak T200 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 40 | 1 | Contatto | 2.3 - 4.0 | 0,08 | 02-10-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 530 mm | 20.00 | 550 mm | 20.00 min. | 1 |

### OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000179 | 4 | 123A90-FDL-ST-DD 90192 | 1 | CWBR001 | V | 550.0 | 20.00 | 0-1 | | A | AX84 |

**NOTE** / Remarks: DUSTY

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: QNTRL<br>Operator: Partisani Riccardo | Quality Control Dept.<br>Alberto Cavazzi<br>Rosetti Marino SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 02-10-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.10 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | Kodak T200 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy-Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 40 | 1 | Contatto | 2.3 - 4.0 | 0,08 | 02-10-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 530 mm | 20.00 | 550 mm | 20.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000178 | 2 | 123A90-FDL-ST-DD90192 | 1 | CWBR001 | V | 550.0 | 20.00 | 0-1 | | A | AX416 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani II Level VT-MT-PT-RT ISO 9712/SNT-TC-1A Operator: Partisani Riccardo | Quality Control Dept. Alberto Cavazzi Rosetti Marino SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 01-09-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1A | GTAW+FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-C0094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 27 | 1 | Single Wall | 2.3 - 4.0 | 0,121 | 01-09-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 330 mm | 20.00 | 350 mm | 6.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000177 | 1 | 123A90-FDL-ST-DD 90288 | 1 | CWLG014 | V | 800.0 | 20.00 | 0-1 | C | R | AX411-AX416 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: QC CONTROL<br>Operator: Partisani Riccardo<br>Riccardo Partisani<br>II Level VT-MT-PT-RT<br>ISO 9712/SNT-TC-1A | Quality Control Dept.<br>Alberto Cavazzi<br>Rosetti Marino SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 01-09-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 27 | 1 | Single Wall | 2.3 - 4.0 | 0,121 | 01-09-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 330 mm | 20.00 | 350 mm | 6.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000176 | 1 | 123A90-FDL-ST-DD 90286 | 1 | CWLG011 | V | 800.0 | 20.00 | 0-1 | DF-F | A | AX416 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Operator Partisani Riccardo | Quality Control Dept. Alberto Cavazzi Rosetti Marino SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

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NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 05-08-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 05-08-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000174 | 8 | 123A90-FDL-ST-DD 90588 | 1 | CWTPW085 | 1/2V | 340.0 | 16.50 | A | AB | A | GX14-GX37 |
| | | | | | | | | B | AA | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Quality Control Dept.<br>Alberto Cavazzi<br>per Rosetti Marino SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 05-08-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 05-08-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000173 | 6 | 123A90-FDL-ST-DD 90588 | 1 | CWTPW086 | 1/2V | 340.0 | 16.50 | A | | A | GX14-GX37 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Quality Control Dept.<br>Alberto Cavazzi<br>per Rosetti Marino SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 05-08-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 05-08-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000172 | 5 | 123A90-FDL-ST-DD 90588 | 1 | CWTPW086 | 1/2V | 340.0 | 16.50 | A | AB | A | GX14-GX37 |
| | | | | | | | | B | AA | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abaz Alban | Quality Control Dept.<br>Alberto Cavazzi<br>per Rosetti Marino SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 05-08-2024
**FOGLIO** / sheet n° 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10025 S355 J2 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 05-08-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000171 | 4 | 123A90-FDL-ST-DD 90588 | 1 | CWTPW085 | 1/2V | 340.0 | 16.50 | A | AA | A | GX14-GX37 |
| | | | | | | | | B | AA | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Quality Control Dept.<br>Alberto Cavazzi<br>per Rosetti Marino SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 04-06-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1D | GMAW+SAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0007 Rev. 00 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | 8.0 |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| gamma ray | 10 FE EN | W9 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| X RAY | FUJI 80 | 1 | 0,05X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 300/5 | 3 | Single Wall | 3.80 | 0,28 | |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2X2 | 600 mm | 0.00 | 600 mm | 6.00 min. | 3 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000168 | 82 | 123A90-FDL-ST-DD 90483 | 1 | CWTP003 | X | 800.0 | 40.00 | 1-2 | | A | FCCG |
| | | | | | | | | 2-3 | | A | |
| | | | | | | | | 3-4 | | A | |
| 000165 | 84 | 123A90-FDL-ST-DD 90477 | 1 | CWTP001 | X | 800.0 | 40.00 | 1-2 | | A | SID_CW |
| | | | | | | | | 2-3 | | A | |
| | | | | | | | | 3-4 | | A | |
| 000166 | 82 | 123A90-FDL-ST-DD 90480 | 1 | CWTP002 | X | 800.0 | 40.00 | 1-2 | | A | FCCG |
| | | | | | | | | 2-3 | | A | |
| | | | | | | | | 3-4 | | A | |
| 000175 | 84 | 123A90-FDL-ST-DD 90486 | 1 | CWTP004 | X | 800.0 | 40.00 | 1-2 | | A | SID_CW |
| | | | | | | | | 2-3 | | A | |
| | | | | | | | | 3-4 | | A | |

**NOTE** / Remarks
Formato pellicola (Cm.) 15x40

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: TRATERM<br>Operator: Drunek Tiberiu | FCM Group srl | Quality Control Dept.<br>Cerato Alex<br>per Rosetti Marino SpA | | |

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 06-08-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1D | GMAW+SAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0007 Rev. 00 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | 8.0 |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| gamma ray | 10 FE EN | W9 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| X RAY | FUJI 80 | 1 | 0,05X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 300/5 | 3 | Single Wall | 3.80 | 0,28 | |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2X2 | 600 mm | 0.00 | 600 mm | 6.00 min. | 3 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000164 | 83 | 123A90-FDL-ST-DD 90477 | 1 | CWTP001 | X | 800.0 | 40.00 | 1-2 | | A | SID_CW |
| | | | | | | | | 2-3 | | A | |
| | | | | | | | | 3-4 | | A | |
| 000167 | 83 | 123A90-FDL-ST-DD 90480 | 1 | CWTP002 | X | 800.0 | 40.00 | 1-2 | | A | SID_CW |
| | | | | | | | | 2-3 | | A | |
| | | | | | | | | 3-4 | DF | A | |
| 000170 | 83 | 123A90-FDL-ST-DD 90486 | 1 | CWTP004 | X | 800.0 | 40.00 | 1-2 | | A | SID_E |
| | | | | | | | | 2-3 | | A | |
| | | | | | | | | 3-4 | | A | |
| 000169 | 83 | 123A90-FDL-ST-DD 90483 | 1 | CWTP003 | X | 800.0 | 40.00 | 1-2 | | A | SID_CW |
| | | | | | | | | 2-3 | | A | |
| | | | | | | | | 3-4 | | A | |

**NOTE** / Remarks
Formato pellicola (Cm.) 15x40

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: TRATERM<br>Operator: Drunek Tiberiu Robert Sabin | FCM Group srl | Quality Control Dept.<br>Cerato Alex<br>per Rosetti Marino SpA | | |

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 31-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 19 | 1 | Single Wall | 2.3 - 4.0 | 0,098 | 31-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000163 | 5 | 123A90-FDL-ST-DD 90464 | 1 | CWWS079 | 1/2V | 340.0 | 16.50 | 2-3 | | A | OB MA-OB NM |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Operator: Parisani Riccardo | Quality Control Dept. Alberto Cavazzi Rosetti Marino SpA | | | |

Riccardo Parisani
II Level VT-MT-PT-RT
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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 31-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 31-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000162 | 6 | 123A90-FDL-ST-DD 90588 | 1 | CWTPW086 | 1/2V | 340.0 | 16.50 | A | BA | R | GX14 |
| | | | | | | | | B | BA | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Quality Control Dept.<br>Alberto Cavazzi<br>Rosetti Marino SpA | | | |

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*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 31-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 31-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000161 | 5 | 123A90-FDL-ST-DD 90588 | 1 | CWTPW086 | 1/2V | 340.0 | 16.50 | A | BA | R | GX14 |
| | | | | | | | | B | AA-BA | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Quality Control Dept.<br>Alberto Cavazzi<br>Rosetti Marino SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 31-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 31-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000160 | 8 | 123A90-FDL-ST-DD 90588 | 1 | CWTPW085 | 1/2V | 340.0 | 16.50 | A | BA | R | GX14 |
| | | | | | | | | B | BA | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Quality Control Dept.<br>Alberto Cavazzi<br>Rosetti Marino SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

## RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 31-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

### RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 31-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000159 | 4 | 123A90-FDL-ST-DD 90588 | 1 | CWTPW085 | 1/2V | 340.0 | 16.50 | A | BA | R | GX14 |
| | | | | | | | | B | AA | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Quality Control Dept.<br>Alberto Cavazzi<br>Rosetti Marino SpA | | | |

ABAZI ALBAN
II LIV. SNT-TC-1A
EN 473-ISO 9712
MT-PT-RT

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 31-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 31-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000158 | 1 | 123A90-FDL-ST-DD 90588 | 1 | CWTPW086 | 1/2V | 340.0 | 16.50 | A | | A | GX14 |
| | | | | | | | | B | AA | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Quality Control Dept.<br>Alberto Cavazzi<br>Rosetti Marino SpA | | | |

ABAZI ALBAN
II LIV. SNT-TC-1A
EN ISO 9712
MT-PT-RT

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 19-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000157 | 5 | 123A90-FDL-ST-DD 90464 | 1 | CWWS079 | 1/2V | 340.0 | 16.50 | 0-1 | | A | OB MA-OB NM |
| | | | | | | | | 2-3 | AA | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Partisani Riccardo | Quality Control Dept.<br>Alberto Cavazzi<br>Rosetti Marino SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 19-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000156 | 5 | 123A90-FDL-ST-DD 90464 | 1 | CWWS024 | 1/2V | 340.0 | 16.50 | 0-1 | | A | OB NM |
| | | | | | | | | 2-3 | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Operator: Partisani Riccardo | Quality Control Dept. Alberto Cavazzi Rosetti Marino SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 19-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000155 | 10 | 123A90-FDL-ST-DD 90464 | 1 | CWWS023 | 1/2V | 340.0 | 16.50 | 0-1 | | A | OB NM |
| | | | | | | | | 2-3 | | A | |

**NOTE** / Remarks
POS. 0-1 DUSTY

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>II Level VT-MT-PT-RT<br>ISO 9712/SNT-TC-1A<br>Operator: Partisani Riccardo | Quality Control Dept.<br>Alberto Cavazzi<br>Rosetti Marino SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 19-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000154 | 6 | 123A90-FDL-ST-DD 90464 | 1 | CWWS023 | 1/2V | 340.0 | 16.50 | 0-1 | | A | OB NM |
| | | | | | | | | 2-3 | | A | |

**NOTE** / Remarks
POS. 0-1 DUSTY

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>II Level VT-MT-PT-RT<br>Operator Partisani Riccardo<br>ISO 9712/SNT-TC-1A | Quality Control Dept.<br>Alberto Cavazzi<br>Rosetti Marino SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 19-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000153 | 1 | 123A90-FDL-ST-DD 90464 | 1 | CWWS079 | 1/2V | 340.0 | 16.50 | 0-1 | AA | A | OB MA |
| | | | | | | | | 2-3 | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Operator: Partisani Riccardo | Quality Control Dept. Alberto Cavazzi Rosetti Marino SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 19-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000152 | 10 | 123A90-FDL-ST-DD 90464 | 1 | CWWS025 | 1/2V | 340.0 | 16.50 | 0-1 | | A | OB MA |
| | | | | | | | | 2-3 | | A | |

**NOTE** / Remarks
POS.0-1 DUSTY

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: COMPANY<br>Operator: Parrisani Riccardo<br>Riccardo Parrisani<br>II Level VT-MT-PT-RT<br>ISO 9712/SNT-TC-1A | Quality Control Dept.<br>Alberto Cavazzi<br>Rosetti Marino SpA | | | |

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 19-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000151 | 6 | 123A90-FDL-ST-DD 90464 | 1 | CWWS025 | 1/2V | 340.0 | 16.50 | 0-1 | | A | OB MA |
| | | | | | | | | 2-3 | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>II Level VT-MT-PT-RT<br>Operator Partisani Riccardo<br>ISO 9712/SNT-TC-1A | Quality Control Dept.<br>Alberto Cavazzi<br>Rosetti Marino SpA | | | |

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 12-07-2024

**FOGLIO** / sheet n° 1 of 4

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 1 | Single Wall | 2.3 - 4.0 | 0,098 | 12-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000150 | 10 | 123A90-FDL-ST-DD 90456 | 1 | CWWN028 | 1/2V | 340.0 | 16.50 | 2-3 | F | A | OB NM |
| 000149 | 3 | 123A90-FDL-ST-DD 90456 | 1 | CWWN022 | 1/2V | 340.0 | 16.50 | 0-1 | FA | A | OB MV-OB NM |
| | | | | | | | | 2-3 | DF | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Controllo: SONTROL<br>Operator: Partisani Riccardo | Enzo Sorti<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
Group of Companies

NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

DATA RAPPORTO / Report Date: 11-07-2024
FOGLIO / sheet n° 1 of 1

| COMMESSA / Job | PROGETTO / Project | CLIENTE / Client | NUMERO ORDINE / Order number | DISCIPLINA / Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. / Welding Process | CODICE SPECIFICA / Standard Code | CODICE PROCEDURA / Procedure code | ISTRUZ. DI LAVORO RT / RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ / Acceptance criteria | INSPECTION TEST PLAN / ITP | FASE ITP / ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO / Examination Phase | MATERIALE / Material | TRATTAMENTO TERMICO / Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT / Before PWHT ☐ DOPO TT / After PWHT ☒ NON APPLICAB. / Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 28 | 1 | Single Wall | 2.3 - 4.0 | 0,121 | 11-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 330 mm | 20.00 | 350 mm | 6.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

COMPONENTE / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000147 | 2 | 123A90-FDL-ST-DD90196 | 1 | CWBR028 | V | 550.0 | 20.00 | 0-84 | DF | A | AX63-AX84 |
| 000148 | 2 | 123A90-FDL-ST-DD90195 | 1 | CWBR002 | V | 550.0 | 20.00 | 0-84 | DF-EX-FA | A | AX393-AX84 |

NOTE / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ABAZI ALBAN LIV. 2 IT 473/09/12 PT-PR-RT

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 04-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.13 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,125 | 04-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 240,0 mm | 10.00 | 250 mm | 4.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000146 | 6 | 123A90-FDL-ST-DD 90454 | 1 | CWWN077 | 1/2V | 337.2 | 10.00 | 0-1 | | A | OB NM |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>II Level VT-MT-PT-RT<br>ISO 9712/SNT-TC-1A<br>Operator: Partisani Riccardo | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

## RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 04-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

### RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.13 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,125 | 04-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 240,0 mm | 10.00 | 250 mm | 4.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000145 | 1 | 123A90-FDL-ST-DD 90454 | 1 | CWWN077 | 1/2V | 337.2 | 10.00 | 0-1 | | A | OB NM |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>II Level VT-MT-PT-RT<br>Operator: Partisani Riccardo<br>ISO 9712/SNT-TC-1A | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 04-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.13 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 2 | Single Wall | 2.3 - 4.0 | 0,125 | 04-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 240,0 mm | 10.00 | 250 mm | 4.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000144 | 3 | 123A90-FDL-ST-DD 90454 | 1 | CWWN071 | 1/2V | 337.2 | 10.00 | 0-1 | | A | OB NM |
| | | | | | | | | 1-2 | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>II Level VT-MT-PT-RT<br>ISO 9712/SNT-TC-1A<br>Operatore: Partisani Riccardo | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

## RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 04-07-2024

**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

### RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.13 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 2 | Single Wall | 2.3 - 4.0 | 0,125 | 04-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 240,0 mm | 10.00 | 250 mm | 4.00 min. | 2 |

### OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000143 | 1 | 123A90-FDL-ST-DD 90454 | 1 | CWWN070 | 1/2V | 337.2 | 10.00 | 0-1 | FA | A | OB NM |
| | | | | | | | | 1-2 | FA | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Partisani Riccardo | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
Group of Companies

NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 05-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.9 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 2 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 26 | 2 | Single Wall | 2.3 - 4.0 | 0,258 | 05-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 310 mm | 40.00 | 350 mm | 8.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000142 | 10 | 123A90-FDL-ST-DD90201 | 1 | CWUPG030 | K | 400.0 | 40.00 | A | AA | A | AX411 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ABAZI ALBAN
II LIV. SNT-TC-1A
EN 473 ISO 9712
MT-PT-RT

ROSETTI MARINO
Group of Companies

NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

DATA RAPPORTO / Report Date: 04-07-2024
FOGLIO / sheet n°: 1 of

| COMMESSA / Job | PROGETTO / Project | CLIENTE / Client | NUMERO ORDINE / Order number | DISCIPLINA / Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. / Welding Process | CODICE SPECIFICA / Standard Code | CODICE PROCEDURA / Procedure code | ISTRUZ. DI LAVORO RT / RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ / Acceptance criteria | INSPECTION TEST PLAN / ITP | FASE ITP / ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO / Examination Phase | MATERIALE / Material | TRATTAMENTO TERMICO / Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10025 S355 J2 | ☐ PRIMA del TT / Before PWHT ☐ DOPO TT / After PWHT ☒ NON APPLICAB. / Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 04-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

COMPONENTE / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000141 | 10 | 123A90-FDL-ST-DD 90456 | 1 | CWWN028 | 1/2V | 340.0 | 16.50 | 0-1 | | A | OB NM |
| | | | | | | | | 2-3 | BB | R | |

NOTE / Remarks

| TECNICO CND Livello 2 / NDT Technician Level 2 | CONTROLLO QUALITA' / QC Supervisor | ISPETTORE CONTRATTISTA / Contractor Repr. | ISPETTORE CLIENTE / Company Repr. | ISPETTORE TERZA PARTE / Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>Company: CONTROL<br>II Level VT-MT-PT-RT<br>Operator: Partisani Riccardo<br>ISO 9712/SNT-TC-1A | Enzo Sorrin<br>Quality Control Departmen<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 04-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 04-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000140 | 3 | 123A90-FDL-ST-DD 90456 | 1 | CWWN022 | 1/2V | 340.0 | 16.50 | 0-1 | AA-AB | R | OB MV-OB NM |
| | | | | | | | | 2-3 | BA | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Cognome: COGNOME<br>Operator: Partisani Riccardo | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

## RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 04-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

### RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 04-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

### OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000139 | 3 | 123A90-FDL-ST-DD 90456 | 1 | CWWN023 | 1/2V | 340.0 | 16.50 | 0-1 | AB | A | OB NM |
| | | | | | | | | 2-3 | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani II Level VT-MT-PT-RT Operator: Partisani Riccardo ISO 9712/SNT-TC-1A | Enzo Sortino Quality Control Department ROSETTI MARINO SpA | | | |

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 04-07-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 04-07-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000138 | 7 | 123A90-FDL-ST-DD 90456 | 1 | CWWN023 | 1/2V | 340.0 | 16.50 | 0-1 | AB | A | OB NM |
| | | | | | | | | 2-3 | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Partisani Riccardo<br>Riccardo Partisani<br>II Level VT-MT-PT-RT<br>ISO 9712/SNT-TC-1A | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SPA | | | |

ROSETTI MARINO
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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 27-06-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.9 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 2 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 28 | 2 | Single Wall | 2.3 - 4.0 | 0,258 | 27-06-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 310 mm | 40.00 | 350 mm | 8.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000136 | 8 | 123A90-FDL-ST-DD 90200 | 1 | CWUPG045 | 1/2V | 400.0 | 25.00 | A | | A | AX393 |
| | | | | | | | | B | BB | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL / Operator: Partisani Riccardo | Enzo Sorino Quality Control Department ROSETTI MARINO SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
Group of Companies

NDT ACTIVITIES - TEST REPORT

**RAPPORTO DI ESAME RADIOGRAFICO**
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 25-06-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1D | GMAW+SAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | 9 |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

**RADIOGRAPHIC TECHNIQUE DETAILS**

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| Raggi X | 10 FE EN | W13 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| X RAY | Kodak T200 | 1 | 0,05X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 300/3 | 1 | Single Wall | 3.05 | 0,10 | 25-06-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3,00 | 700 mm | 0.00 | 700 mm. | 245.00 s | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000135 | 1 | 123A90-FDL-ST-DD 90638 | 1 | CWLG020 | X | 700.0 | 30.00 | 1-2 | DF | A | SID_C |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: [illegible] Operator: Cantoni Luca 9712 | QC | | | |

ROSETTI MARINO
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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 25-06-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 6 FE EN | Wire n.9 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 28 | 2 | Single Wall | 2.3 - 4.0 | 0,258 | 25-06-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 310 mm | 40.00 | 350 mm | 8.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000134 | 6 | 123A90-FDL-ST-DD 90201 | 1 | CWUPG002 | K | 500.0 | 40.00 | A | AA | A | AX393 |
| | | | | | | | | B | AA | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban<br>ABAZI ALBAN<br>II LIV. SNT-TC-1A<br>EN 473-ISO9712<br>MT-PT-RT | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 24-06-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 24-06-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000133 | 3 | 123A90-FDL-ST-DD 90456 | 1 | CWWN023 | 1/2V | 340.0 | 16.50 | 0-1 | BA | R | OB NM |
| | | | | | | | | 2-3 | BA | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Contract N° [illegible] | | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
Operator: Partisani Riccardo
ISO 9712/SNT-TC-1A

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 24-06-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 24-06-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000132 | 3 | 123A90-FDL-ST-DD 90456 | 1 | CWWN022 | 1/2V | 340.0 | 16.50 | 0-1 | BA | R | OB MV |
| | | | | | | | | 2-3 | BA | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Operator: Partisani Riccardo | | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712 SNT-TC-1A

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 24-06-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 24-06-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000131 | 10 | 123A90-FDL-ST-DD 90456 | 1 | CWWN028 | 1/2V | 340.0 | 16.50 | 0-1 | BA | R | OB NM |
| | | | | | | | | 2-3 | BA | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Operator: Parisani Riccardo | | | | |

Riccardo Parisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 24-06-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 24-06-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000130 | 7 | 123A90-FDL-ST-DD 90456 | 1 | CWWN023 | 1/2V | 340.0 | 16.50 | 0-1 | BA | R | OB NM |
| | | | | | | | | 2-3 | BA | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CDN Italia<br>Operator: Partisani Riccardo | | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

## RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 24-06-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

### RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 24-06-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

### OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000129 | 7 | 123A90-FDL-ST-DD 90456 | 1 | CWWN022 | 1/2V | 340.0 | 16.50 | 0-1 | | A | OB MV |
| | | | | | | | | 2-3 | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Operator: Partisani Riccardo | | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 24-06-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.14 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 20 | 2 | Single Wall | 2.3 - 4.0 | 0,098 | 24-06-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 333,5 mm | 16.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000128 | 6 | 123A90-FDL-ST-DD 90456 | 1 | CWWN028 | 1/2V | 340.0 | 16.50 | 0-1 | | A | OB NM |
| | | | | | | | | 2-3 | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Operator: Partisani Riccardo | | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 21-06-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 6 FE EN | Wire n.8 / 10 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 28 | 2 | Single Wall | 2.3 - 4.0 | 0,258 | 21-06-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 310 mm | 40.00 | 350 mm | 8.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000127 | 10 | 123A90-FDL-ST-DD 90202 | 1 | CWUPG031 | K | 400.0 | 40.00 | A | | A | AX393 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Riccardo Partisani | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 21-06-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 3 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.8 ~~9~~ 10 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 28 | 2 | Single Wall | 2.3 - 4.0 | 0,258 | 21-06-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 310 mm | 40.00 | 350 mm | 8.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000126 | 6 | 123A90-FDL-ST-DD 90199 | 1 | CWUPG001 | K | 500.0 | 40.00 | A | DF | A | AX411 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: COMPANY<br>Operator: Partisani Riccardo | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 21-06-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1C | FCAW+SAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | ASTM 1B | Wire n.8 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | Kodak T200 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 28 | 1 | Single Wall | 2.3 - 4.0 | 0,153 | 21-06-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 325 mm | 30.00 | 350 mm | 6.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000125 | 1 | 123A90-FDL-ST-DD 90494 | 1 | CWLG019 | V | 700.0 | 30.00 | 2-3 | DF | A | DM18-DM07 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban<br>ABAZI ALBAN II LIV. SNT-TC-1A EN 473 ISO9712 MT-PT-RT | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 18-06-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1C | FCAW+SAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | ASTM 1B | Wire n.8 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | Kodak T200 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 28 | 2 | Single Wall | 2.3 - 4.0 | 0,153 | 18-06-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 325 mm | 30.00 | 350 mm | 6.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000124 | 1 | 123A90-FDL-ST-DD 90494 | 1 | CWLG019 | V | 700.0 | 30.00 | 0-1 | DF | A | DM18-DM07 |
| | | | | | | | | 2-3 | C | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Partisani Riccardo | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

Riccardo Partisani
II Level UT PT RT
ISO 9712/SNT-TC-1A

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 05-06-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1D | GMAW+SAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | 9 |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| X Ray | 6 FE EN | W12 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| X RAY | Kodak T200 | 1 | 0,05X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 300/3 | 3 | Single Wall | 2.9 | 0,10 | 05-06-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 700 | 30.00 | 300 mm. | 285.00 min. | 3 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000123 | 3 | 123A90-FDL-ST-DD 90494 | 1 | CWLG019 | X | 700.0 | 30.00 | 1-2 | | A | SID_CW |
| | | | | | | | | 3-4 | DF | A | |
| | | | | | | | | 5-6 | DF | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: MCC Control<br>Canton Luca<br>Operator: Canton Luca<br>LIV. SNT-TC-1A/ISO 9712 | | | | |

ROSETTI MARINO
Group of Companies

NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 05-06-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1D | GMAW+SAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | 9 |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| X Ray | 6 FE EN | W12 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| X RAY | Kodak T200 | 1 | 0,05X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 300/3 | 3 | Single Wall | 2.9 | 0,10 | 05-06-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 700 | 30.00 | 700 mm. | 285.00 s | 3 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000122 | 2 | 123A90-FDL-ST-DD 90494 | 1 | CWLG019 | X | 700.0 | 30.00 | 1-2 | DF | A | SID_CW |
| | | | | | | | | 3-4 | DF | A | |
| | | | | | | | | 5-6 | DF | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: MC Control<br>Operator: Canton Luca<br>II° Liv. SNT-TC-1A/ISO 9712 | | | | |

ROSETTI MARINO
Group of Companies

NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 29-05-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 28 | 2 | Single Wall | 2.3 - 4.0 | 0,153 | 29-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 325 mm | 25.00 | 350 mm | 6.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000121 | 5 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG047 | 1/2V | 400.0 | 25.00 | A | AA | A | AX425 |
| | | | | | | | | B | AA | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Firma / Signature: Riccardo Partisani<br>II Level VT-MT-PT-RT<br>ISO 9712/SNT-TC-1A<br>Operator: Partisani Riccardo | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 29-05-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 28 | 2 | Single Wall | 2.3 - 4.0 | 0,153 | 29-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 325 mm | 25.00 | 350 mm | 6.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000120 | 2 | 123A90-FDL-ST-DD 90183 | 1 | CWLPG008 | 1/2V | 400.0 | 25.00 | A | | A | AX411 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>II Level VT-MT-PT-RT<br>Operator: Partisani Riccardo<br>ISO 9712/SNT-TC-1A | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
Group of Companies

NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

DATA RAPPORTO / Report Date: 29-05-2024
FOGLIO / sheet n°: 1 of

| COMMESSA / Job | PROGETTO / Project | CLIENTE / Client | NUMERO ORDINE / Order number | DISCIPLINA / Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. / Welding Process | CODICE SPECIFICA / Standard Code | CODICE PROCEDURA / Procedure code | ISTRUZ. DI LAVORO RT / RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ / Acceptance criteria | INSPECTION TEST PLAN / ITP | FASE ITP / ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO / Examination Phase | MATERIALE / Material | TRATTAMENTO TERMICO / Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT / Before PWHT ☐ DOPO TT / After PWHT ☒ NON APPLICAB. / Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 28 | 2 | Single Wall | 2.3 - 4.0 | 0,153 | 29-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 325 mm | 25.00 | 350 mm | 6.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

COMPONENTE / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000119 | 7 | 123A90-FDL-ST-DD 90182 | 1 | CWLPG012 | 1/2V | 400.0 | 25.00 | A | | A | AX425 |
| | | | | | | | | B | | A | |

NOTE / Remarks

| TECNICO CND Livello 2 / NDT Technician Level 2 | CONTROLLO QUALITA' / QC Supervisor | ISPETTORE CONTRATTISTA / Contractor Repr. | ISPETTORE CLIENTE / Company Repr. | ISPETTORE TERZA PARTE / Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Partisani Riccardo | Enzo Sorrivi<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
Group of Companies

NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

DATA RAPPORTO / Report Date: 29-05-2024
FOGLIO / sheet n°: 1 of

| COMMESSA / Job | PROGETTO / Project | CLIENTE / Client | NUMERO ORDINE / Order number | DISCIPLINA / Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. / Welding Process | CODICE SPECIFICA / Standard Code | CODICE PROCEDURA / Procedure code | ISTRUZ. DI LAVORO RT / RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ / Acceptance criteria | INSPECTION TEST PLAN / ITP | FASE ITP / ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO / Examination Phase | MATERIALE / Material | TRATTAMENTO TERMICO / Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT / Before PWHT ☐ DOPO TT / After PWHT ☒ NON APPLICAB. / Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 28 | 2 | Single Wall | 2.3 - 4.0 | 0,153 | 29-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 325 mm | 25.00 | 350 mm | 6.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

COMPONENTE / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000118 | 2 | 123A90-FDL-ST-DD 90182 | 1 | CWLPG010 | 1/2V | 400.0 | 25.00 | A | DF-F | A | AX425 |
| | | | | | | | | B | | A | |

NOTE / Remarks

| TECNICO CND Livello 2 / NDT Technician Level 2 | CONTROLLO QUALITA' / QC Supervisor | ISPETTORE CONTRATTISTA / Contractor Repr. | ISPETTORE CLIENTE / Company Repr. | ISPETTORE TERZA PARTE / Third Party Inspector |
|---|---|---|---|---|
| Company: Partisani Riccardo<br>II Level VT-MT-PT-RT<br>ISO 9712/SNT-TC-1A<br>Operator: Partisani Riccardo | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 29-05-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 28 | 2 | Single Wall | 2.3 - 4.0 | 0,153 | 29-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 325 mm | 25.00 | 350 mm | 6.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000117 | 5 | 123A90-FDL-ST-DD 90184 | 1 | CWLPG049 | 1/2V | 400.0 | 25.00 | A | | A | AX411 |
| | | | | | | | | B | AA | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Operator: Partisani Riccardo | Enzo Sortino Quality Control Department ROSETTI MARINO SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 21-05-2024
**FOGLIO** / sheet n° 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355<br>EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,106 | 21-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 338 mm | 12.00 | 350 mm | 6.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000116 | 2 | 123A90-FDL-ST-DD 90167 | 1 | CWUSB018 | 1/2V | 72.5 | 12.00 | B | | A | AX414 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban<br>ABAZI ALBAN II LIV. SNT-TC-1A EN 473 ISO9712 MT-PT-RT | Enzo Sortino Quality Control Department ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-05-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355<br>EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,106 | 19-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 338 mm | 12.00 | 350 mm | 6.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000115 | 1 | 123A90-FDL-ST-DD 90167 | 1 | CWUSB018 | 1/2V | 72.5 | 12.00 | A | AA | A | AX414 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company QC Level II<br>Operator: Partisani Riccardo | TINELLI<br>ROSETTI MARINO SpA<br>Quality Department | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-05-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 26 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 19-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000114 | 2 | 123A90-FDL-ST-DD 90251 | 1 | CWUSB018 | K | 330.0 | 7.50 | 0-1 | | A | AX414 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | ROSETTI MARINO SpA Quality Department TINGLI | | | |

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EN 473-ISO9712
MT-PT-RT

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-05-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 26 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 19-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000113 | 2 | 123A90-FDL-ST-DD 90251 | 1 | CWUSB011 | K | 330.0 | 7.50 | 0-1 | DF | A | AX414 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | ROSETTI MARINO SpA Quality Department | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-05-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 26 | 2 | Single Wall | 2.3 - 4.0 | 0,211 | 19-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 327mm | 23.00 | 350 mm | 6.30 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000112 | 1 | 123A90-FDL-ST-DD 90252 | 1 | CWUSB084 | 1/2V | 500.0 | 23.00 | A | F | A | AX411-AX90 |
| | | | | | | | | B | F | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | ROSETTI MARINO SpA Quality Department | | | |

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NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

DATA RAPPORTO / Report Date: 16-05-2024
FOGLIO / sheet n°: 1 of

| COMMESSA / Job | PROGETTO / Project | CLIENTE / Client | NUMERO ORDINE / Order number | DISCIPLINA / Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. / Welding Process | CODICE SPECIFICA / Standard Code | CODICE PROCEDURA / Procedure code | ISTRUZ. DI LAVORO RT / RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ / Acceptance criteria | INSPECTION TEST PLAN / ITP | FASE ITP / ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO / Examination Phase | MATERIALE / Material | TRATTAMENTO TERMICO / Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10025 S355 | ☐ PRIMA del TT / Before PWHT ☐ DOPO TT / After PWHT ☒ NON APPLICAB. / Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) / Films box | Schermi di rinforzo (mm) / Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica / Radiographic techniques | Densità film / Film density | Penombra Ug (mm) / Unsharpness geom. Ug | Data esposizione / Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,083 | 16-05-2024 |

| Macchia Focale (mm) / Focal Spot | Distanza sorgente-oggetto (mm) / Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) / Distance from Source side object to film | Distanza focal (mm) / Focal distance | Tempo di esposiz. / Exposure time | No. di esposizioni / Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 340 mm | 9.50 | 350,0 mm | 8.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. / Report | SALD / Weld | DISEGNO / Drawing | Fg / Sh | MARCA / Mark | CIANF. / Bevel | DIMENSIONE / Dimension | Sp. Thk (mm) | POS. / Film pos. | INDICAZIONI / Indications | ESITO / Result | SALDATORI / Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000111 | 2 | 123A90-FDL-ST-DD 90251 | 1 | CWUSB005 | K | 340.0 | 9.50 | 0-1 | | A | AX90 |

**NOTE** / Remarks

| TECNICO CND Livello 2 / NDT Technician Level 2 | CONTROLLO QUALITA' / QC Supervisor | ISPETTORE CONTRATTISTA / Contractor Repr. | ISPETTORE CLIENTE / Company Repr. | ISPETTORE TERZA PARTE / Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>II Level VT-MT-PT-RT<br>Operator: Partisani Riccardo<br>ISO 9712/SNT-TC-1A | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 16-05-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10025 S355<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 2 | Single Wall | 2.3 - 4.0 | 0,134 | 16-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 335 mm | 15.00 | 350 mm | 6.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000110 | 3 | 123A90-FDL-ST-DD 90251 | 1 | CWUSB004 | K | 642.0 | 15.00 | 0-1 | AA-AB | A | AX414-AX90 |
| | | | | | | | | 1-2 | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>Company: CONTROL<br>II Level VT-MT-PT-RT<br>Operator: Partisani Riccardo<br>ISO 9712/SNT-TC-1A | Enzo Sorace<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 16-05-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 16-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000109 | 2 | 123A90-FDL-ST-DD 90251 | 1 | CWUSB013 | K | 330.0 | 7.50 | 0-1 | FA | A | AX416 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>Company: CONTROL<br>II Level VT-MT-PT-RT<br>ISO 9712/SNT-TC-1A<br>Operator Partisani Riccardo | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 16-05-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 16-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000108 | 2 | 123A90-FDL-ST-DD 90251 | 1 | CWUSB065 | K | 330.0 | 7.50 | 0-1 | | A | AX416 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>II Level VT-MT-PT-RT<br>ISO 9712/SNT-TC-1A<br>Company: CONTACT<br>Operator: Partisani Riccardo | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 09-05-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,088 | 09-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 340 mm | 10.00 | 350 mm | 5.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000107 | 3 | 123A90-FDL-ST-DD 90251 | 1 | CWUSB023 | K | 322.0 | 10.00 | 0-1 | | A | AX90 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>CONSORZIO RME<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 09-05-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 2 | Single Wall | 2.3 - 4.0 | 0,211 | 09-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 327mm | 23.00 | 350 mm | 6.30 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000106 | 1 | 123A90-FDL-ST-DD 90252 | 1 | CWUSB084 | 1/2V | 500.0 | 23.00 | A | | A | AX411 |
| | | | | | | | | B | BA | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sacchi<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 09-05-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 2 | Single Wall | 2.3 - 4.0 | 0,134 | 09-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 335 mm | 15.00 | 350 mm | 6.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000105 | 3 | 123A90-FDL-ST-DD 90251 | 1 | CWUSB004 | K | 642.0 | 15.00 | 0-1 | AA | R | AX414 |
| | | | | | | | | 1-2 | AB | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 09-05-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000104 | 2 | 123A90-FDL-ST-DD 90251 | 1 | CWUSB023 | K | 330.0 | 7.50 | 0-1 | | A | AX90 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Santino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

## RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 09-05-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

### RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 2 | Single Wall | 2.3 - 4.0 | 0,102 | 09-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 338 mm | 11.50 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000103 | 1 | 123A90-FDL-ST-DD 90251 | 1 | CWUSB023 | 1/2V | 330.0 | 11.50 | A | | A | AX90 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban<br>ABAZI ALBAN II LIV. SNT-TC-1A EN 473 009712 MT PT RT | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 22-04-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1D | GMAW+SAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | 9 |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| Raggi X | 6 FE EN | W11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| X RAY | FUJI 80 | 1 | 0,05X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 300/3 | 3 | Single Wall | 3,1 | 0,10 | |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioi Nr. of exposures |
|---|---|---|---|---|---|
| 3,78 | 700 mm | 25.00 | 700mm | 8.00 min. | 3 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000100 | 22 | 123A90-FDL-ST-DD90353 | 1 | CWULT002 | X | 820.0 | 40.00 | 1-2 | | A | SID_E |
| | | | | | | | | 3-4 | | A | |
| | | | | | | | | 5-6 | | A | |
| 000101 | 22 | 123A90-FDL-ST-DD90353 | 1 | CWULT003 | X | 820.0 | 40.00 | 1-2 | | A | SID_E |
| | | | | | | | | 3-4 | | A | |
| | | | | | | | | 5-6 | | A | |
| 000102 | 22 | 123A90-FDL-ST-DD90353 | 1 | CWULT004 | X | 820.0 | 40.00 | 1-2 | | A | SID_CW |
| | | | | | | | | 3-4 | | A | |
| | | | | | | | | 5-6 | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: MC Control<br>Canton Luca<br>Operatore<br>II° Liv. SNT-TC-1A/ISO 9712 | ROSETTI MARINO SPA<br>Comandini Massimo<br>Level III NDT<br>EN - ISO9712 | | | |

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 22-04-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1D | GMAW+SAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | 9 |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| Raggi X | 6 FE EN | W11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| X RAY | FUJI 80 | 1 | 0,05X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 300/3 | 3 | Single Wall | 3,1 | 0,10 | 22-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioi Nr. of exposures |
|---|---|---|---|---|---|
| 3,78 | 700 mm | 25.00 | 700mm | 8.00 min. | 3 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000099 | 22 | 123A90-FDL-ST-DD 90353 | 1 | CWULT001 | X | 820.0 | 40.00 | 1-2 | | A | SID_E |
| | | | | | | | | 3-4 | | A | |
| | | | | | | | | 5-6 | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: MCF Control<br>Operator: Canton Luca<br>II° Liv. SNT-TC-1A/ISO 9712 | ROSETTI MARINO SPA<br>Comandini Massimo<br>Level III NDT<br>EN - ISO9712 | | | |

ROSETTI MARINO
*Group of Companies*

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 03-05-2024

**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 26 | 4 | Single Wall | 2.3 - 4.0 | 0,134 | 03-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizio Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 335 mm | 15.00 | 350,0 mm | 8.00 min. | 4 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000098 | 5 | 123A90-FDL-ST-DD 90200 | 1 | CWUPG009 | K | 958.5 | 15.00 | 0-1 | | A | AX90 |
| | | | | | | | | 1-2 | AA-AB | A | |
| | | | | | | | | 2-3 | | A | |
| | | | | | | | | 3-4 | F | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani II Level VT-MT-PT-RT SO 9712/SNT-TC-1A Operator Partisani Riccardo | Enzo Salmo Quality Control Department ROSETTI MARINO SpA | | | |

ROSETTI MARINO
Group of Companies

NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

DATA RAPPORTO / Report Date: 03-05-2024
FOGLIO / sheet n°: 1 of

| COMMESSA / Job | PROGETTO / Project | CLIENTE / Client | NUMERO ORDINE / Order number | DISCIPLINA / Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. / Welding Process | CODICE SPECIFICA / Standard Code | CODICE PROCEDURA / Procedure code | ISTRUZ. DI LAVORO RT / RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ / Acceptance criteria | INSPECTION TEST PLAN / ITP | FASE ITP / ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO / Examination Phase | MATERIALE / Material | TRATTAMENTO TERMICO / Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10225 S420 | ☐ PRIMA del TT / Before PWHT ☐ DOPO TT / After PWHT ☒ NON APPLICAB. / Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica / Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione / Exposure date |
|---|---|---|---|---|---|
| 26 | 2 | Single Wall | 2.3 - 4.0 | 0,23 | |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizio Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

COMPONENTE / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000097 | 6 | 123A90-FDL-ST-DD 90202 | 1 | CWUPG011 | 1/2V | 300.0 | 25.00 | A | AA-AB | A | AX90-AX414 |
| | | | | | | | | B | AA | A | |

NOTE / Remarks

| TECNICO CND Livello 2 / NDT Technician Level 2 | CONTROLLO QUALITA' / QC Supervisor | ISPETTORE CONTRATTISTA / Contractor Repr. | ISPETTORE CLIENTE / Company Repr. | ISPETTORE TERZA PARTE / Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Riccardo Partisani<br>II Level VT-MT-PT-RT<br>ISO 9712/SNT-TC-1A<br>Operator: Partisani Riccardo | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 03-05-2024
**FOGLIO** / sheet n°: 1 of

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 26 | 2 | Single Wall | 2.3 - 4.0 | 0,23 | 03-05-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizio Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000096 | 1 | 123A90-FDL-ST-DD 90200 | 1 | CWUPG009 | 1/2V | 400.0 | 25.00 | A | | A | AX425-AX90 |
| | | | | | | | | B | AA | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>II Level VT-MT-PT-RT<br>ISO 9712/SNT-TC-1A | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

Company: CONTROL
Operator: Partisani Riccardo

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 24-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 26 | 4 | Single Wall | 2.3 - 4.0 | 0,134 | 24-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 335 mm | 15.00 | 350,0 mm | 8.00 min. | 4 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000095 | 5 | 123A90-FDL-ST-DD 90200 | 1 | CWUPG009 | K | 958.5 | 15.00 | 0-1 | AA | R | AX90 |
| | | | | | | | | 1-2 | AB | R | |
| | | | | | | | | 2-3 | DF | A | |
| | | | | | | | | 3-4 | F | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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MT-PT-RT

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 24-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 26 | 2 | Single Wall | 2.3 - 4.0 | 0,23 | 24-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000094 | 1 | 123A90-FDL-ST-DD 90200 | 1 | CWUPG009 | 1/2V | 400.0 | 25.00 | A | AA | A | AX425 |
| | | | | | | | | B | AA | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| ABAZI ALBAN II LIVELLO UNI EN ISO 9712 MT-PT-RT<br>Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO S.p.A. | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 24-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 26 | 2 | Single Wall | 2.3 - 4.0 | 0,23 | 24-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000093 | 10 | 123A90-FDL-ST-DD 90202 | 1 | CWUPG012 | 1/2V | 300.0 | 25.00 | A | AA | A | AX90-AX25 |
| | | | | | | | | B | AA-FA | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorrizo<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 24-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 26 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 24-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000092 | 2 | 123A90-FDL-ST-DD 90251 | 1 | CWUSB024 | K | 330.0 | 7.50 | 0-1 | | A | AX90 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| ABAZI ALBAN II LIV. SNT-TC-1A EN 473-ISO 9712 MT-PT-RT<br>Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 25-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 26 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 25-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 343 mm | 6.20 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000091 | 4 | 123A90-FDL-ST-DD 90314 | 1 | CWUTB107 | K | 240.0 | 6.20 | 0-1 | | A | AX238-AX25-AX90 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 22-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 26 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 22-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 343 mm | 6.20 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000090 | 4 | 123A90-FDL-ST-DD90314 | 1 | CWUTB107 | K | 240.0 | 6.20 | 0-1 | AB-EA | R | AX238-AX25 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 22-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 26 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 22-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 343 mm | 6.20 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000089 | 4 | 123A90-FDL-ST-DD 90314 | 1 | CWUTB104 | K | 240.0 | 6.20 | 0-1 | AA | A | AX394 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sottino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 22-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 26 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 22-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000088 | 2 | 123A90-FDL-ST-DD90251 | 1 | CWUSB064 | K | 330.0 | 7.50 | 0-1 | | A | AX84 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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EN 473-ISO9712
MT-PT-RT

ROSETTI MARINO
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NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 22-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 26 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 22-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000087 | 2 | 123A90-FDL-ST-DD 90251 | 1 | CWUSB062 | K | 330.0 | 7.50 | 0-1 | | A | AX84 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SPA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 22-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 26 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 22-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000086 | 2 | 123A90-FDL-ST-DD 90251 | 1 | CWUSB017 | K | 330.0 | 7.50 | 0-1 | | A | AX238 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 22-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 26 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 22-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000085 | 2 | 123A90-FDL-ST-DD 90251 | 1 | CWUSB012 | K | 330.0 | 7.50 | 0-1 | | A | AX410 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 16-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 28 | 2 | Single Wall | 2.3 - 4.0 | 0,23 | 16-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000084 | 10 | 123A90-FDL-ST-DD 90199 | 1 | CWUPG046 | 1/2V | 400.0 | 25.00 | A | | A | AX426 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO END Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>II Level VT-MT-PT-RT<br>Operator: Partisani Riccardo<br>ISO 9712/SNT-TC-1A | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 16-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRF After Film Repeat | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 28 | 2 | Single Wall | 2.3 - 4.0 | 0,23 | 16-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000083 | 6 | 123A90-FDL-ST-DD 90202 | 1 | CWUPG011 | 1/2V | 300.0 | 25.00 | B | | A | AX90-AX414 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONDRAL<br>Operator: Partisani Riccardo | Enzo Scotto<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
Group of Companies

NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 16-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 27 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 16-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 343 mm | 6.20 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000082 | 4 | 123A90-FDL-ST-DD 90314 | 1 | CWUTB103 | K | 240.0 | 6.20 | 0-1 | | A | AX73 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company COMPANY<br>Operator: Partisani Riccardo | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 16-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 27 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 16-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 343 mm | 6.20 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000081 | 4 | 123A90-FDL-ST-DD 90314 | 1 | CWUTB108 | K | 240.0 | 6.20 | 0-1 | AB-F | A | AX73 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>II Level VT-MT-PT-RT<br>ISO 9712/SNT-TC-1A<br>Operator: Partisani Riccardo | Enzo Sorano<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 12-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 30 | 2 | Single Wall | 2.3 - 4.0 | 0,15 | 12-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000080 | 10 | 123A90-FDL-ST-DD 90202 | 1 | CWUPG012 | 1/2V | 300.0 | 25.00 | A | AA | R | AX90 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorriso<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 12-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 30 | 2 | Single Wall | 2.3 - 4.0 | 0,15 | 12-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000079 | 5 | 123A90-FDL-ST-DD 90199 | 1 | CWUPG033 | 1/2V | 400.0 | 25.00 | A | | A | AX426 |
| | | | | | | | | B | DF | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 12-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 30 | 2 | Single Wall | 2.3 - 4.0 | 0,15 | 12-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000078 | 1 | 123A90-FDL-ST-DD 90199 | 1 | CWUPG033 | 1/2V | 400.0 | 25.00 | A | | A | AX426 |
| | | | | | | | | B | AB-DF | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 12-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 30 | 2 | Single Wall | 2.3 - 4.0 | 0,15 | 12-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000077 | 6 | 123A90-FDL-ST-DD 90199 | 1 | CWUPG046 | 1/2V | 400.0 | 25.00 | A | | A | AX426 |
| | | | | | | | | B | DF | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sordo<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 12-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT; [ ] DOPO TT After PWHT; [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 30 | 2 | Single Wall | 2.3 - 4.0 | 0,15 | 12-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000076 | 6 | 123A90-FDL-ST-DD 90202 | 1 | CWUPG012 | 1/2V | 300.0 | 25.00 | A | | A | AX90 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 11-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 30 | 2 | Single Wall | 2.3 - 4.0 | 0,15 | 11-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000075 | 6 | 123A90-FDL-ST-DD 90202 | 1 | CWUPG011 | 1/2V | 300.0 | 25.00 | A | BA | R | AX90 |
| | | | | | | | | B | | C | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ABAZI ALBAN
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EN 473 ISO 9712
MT-PT-RT

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 12-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Iridium 192 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 30 | 2 | Single Wall | 2.3 - 4.0 | 0,15 | |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000074 | 10 | 123A90-FDL-ST-DD 90202 | 1 | CWUPG011 | 1/2V | 300.0 | 25.00 | A | AA | A | AX90 |
| | | | | | | | | B | AA | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban<br>ABAZI ALBAN II LIV. SNT-TC-1A EN 473 ISO 9712 MT-PT-RT | Enzo Sortino Quality Control Department ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 11-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 27 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 11-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 343 mm | 6.20 | 350,0 mm | 8.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000073 | 4 | 123A90-FDL-ST-DD 90314 | 1 | CWUTB107 | K | 240.0 | 6.20 | 0-1 | AB | R | AX238 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 11-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 27 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 11-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 343 mm | 6.20 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000072 | 2 | 123A90-FDL-ST-DD 90314 | 1 | CWUTB102 | K | 240.0 | 6.20 | 0-1 | DF | A | AX394 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 11-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 27 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 11-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 343 mm | 6.20 | 350,0 mm | 8.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000071 | 2 | 123A90-FDL-ST-DD 90314 | 1 | CWUTB109 | K | 240.0 | 6.20 | 0-1 | | A | AX238 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorrento<br>Quality Control Department<br>ROSETTI MARINO S.p.A. | | | |

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Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 11-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 27 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 11-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 343 mm | 6.20 | 350,0 mm | 8.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000070 | 2 | 123A90-FDL-ST-DD 90314 | 1 | CWUTB105 | K | 240.0 | 6.20 | 0-1 | DF-FA | A | AX394 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sottino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 11-04-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| Selenium 75 | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 27 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 11-04-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 343 mm | 6.20 | 350,0 mm | 8.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000069 | 2 | 123A90-FDL-ST-DD 90314 | 1 | CWUTB106 | K | 240.0 | 6.20 | 0-1 | F-FA | A | AX394 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban<br>ABAZI ALBAN II LIV SNT TC-1A EN 473 16097 12 MT-PT-RT | Enzo Sortino Quality Control Department ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 25-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 27 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 25-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000068 | 2 | 123A90-FDL-ST-DD 90233 | 1 | CWLSB108 | K | 330.0 | 7.50 | 0-1 | | A | AX425 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Partisani Riccardo<br>Riccardo Partisani<br>II Level VT-MT-PT-RT<br>ISO 9712/SNT-TC-1A | ROSETTI MARINO SPA<br>Comandini Massimo<br>Level III NDT<br>EN - ISO9712 | | | |

ROSETTI MARINO
Group of Companies

NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 25-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1A | GTAW+FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 34 | 1 | Single Wall | 2.0 - 4.0 | 0,121 | 25-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 330 mm | 20.00 | 350 mm | 5.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000066 | 2 | 123A90-FDL-ST-DD 90288 | 1 | CWLG012 | V | 800.0 | 20.00 | 0-1 | 5011 | A | AX84-AX416 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Operatore CND Riccardo Partisani II Level VT-MT-PT-RT Operatore Partisani Riccardo ISO 9712 SNT-TC-1A | Enzo Sortino Quality Control Department ROSETTI MARINO SpA | | | |

ROSETTI MARINO
Group of Companies

NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 25-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1A | GTAW+FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 34 | 1 | Single Wall | 2.0 - 4.0 | 0,121 | 25-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 330 mm | 20.00 | 350 mm | 5.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000065 | 2 | 123A90-FDL-ST-DD 90288 | 1 | CWLG014 | V | 800.0 | 20.00 | 0-1 | AA-DF | A | AX84-AX416 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani II Level VT-MT-PT-RT ISO 9712/SNT-TC-1A Operator: Partisani Riccardo | Enzo Sortino Quality Control Department ROSETTI MARINO SpA | | | |

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 12-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355<br>EN 10025 S355 J2 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 27 | 2 | Single Wall | 2.3 - 4.0 | 0,106 | 12-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 338 mm | 12.00 | 350,0 mm | 8.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000064 | 1 | 123A90-FDL-ST-DD 90122 | 1 | CWLSB115 | 1/2V | 72.5 | 12.00 | A | | A | AX426 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| CERTIFICATO N° | | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
Operator: Partisani Riccardo
ISO 9712/SNT-TC-1A

Enzo Sorrino
Quality Control Department
ROSETTI MARINO SpA

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 12-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 27 | 2 | Single Wall | 2.3 - 4.0 | 0,148 | 12-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 333 | 16.50 | 350,0 mm | 6.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000063 | 1 | 123A90-FDL-ST-DD 90233 | 1 | CWLSB051 | 1/2V | 340.0 | 16.50 | A | F | A | AX427 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks
SPATTER ON POSITION "B"

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: ROSETTI<br>Operator: Partisani Riccardo | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 12-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 27 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 12-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000062 | 2 | 123A90-FDL-ST-DD 90233 | 1 | CWLSB073 | K | 330.0 | 7.50 | 0-1 | F | A | AX410-AX84 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Riccardo Partisani<br>II Level VT-MT-PT-RT<br>ISO 9712/SNT-TC-1A<br>Operator: Partisani Riccardo | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 11-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 2 | Single Wall | 2.3 - 4.0 | 0,148 | 11-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 333 | 16.50 | 350,0 mm | 6.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000061 | 1 | 123A90-FDL-ST-DD 90233 | 1 | CWLSB050 | 1/2V | 340.0 | 16.50 | A | | A | AX427 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>II Level VT-MT-PT-RT<br>ISO 9712/SNT-TC-1A<br>Operator Partisani Riccardo | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 11-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,18 | 11-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 330 mm | 20.00 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000060 | 2 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG041 | 1/2V | 250.0 | 20.00 | A | | A | AX426-AX90 |
| | | | | | | | | B | AB | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>II Level VT-MT-PT-RT<br>Operator: Partisani Riccardo<br>ISO 9712/SNT-TC-1A | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 11-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,18 | 11-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 330 mm | 20.00 | 350 mm | 5.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000059 | 7 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG040 | 1/2V | 250.0 | 20.00 | A | AA-AB | A | AX393 |
| | | | | | | | | B | AA | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani II Level VT-MT-PT-RT ISO 9712/SNT-TC-1A Operator: Partisani Riccardo | Enzo Sortino Quality Control Department ROSETTI MARINO SpA | | | |

ROSETTI MARINO
Group of Companies

NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 05-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.3 - 4.0 | 0,15 | 05-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000058 | 5 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG013 | 1/2V | 300.0 | 25.00 | A | | A | AX84 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company QC Rep. | | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
Operator Partisani Riccardo
ISO 9712/SNT-TC-1A

Enzo Sorrico
Quality Control Department
ROSETTI MARINO SpA

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 05-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,12 | |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 330 mm | 20.00 | 350 mm | 5.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000057 | 2 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG041 | 1/2V | 250.0 | 20.00 | A | AA | A | AX426 |
| | | | | | | | | B | AA-BB-F | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Partisani Riccardo | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

Riccardo Partisani
II Level VT MT PT RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** / Report Date: 05-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA / Job | PROGETTO / Project | CLIENTE / Client | NUMERO ORDINE / Order number | DISCIPLINA / Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. / Welding Process | CODICE SPECIFICA / Standard Code | CODICE PROCEDURA / Procedure code | ISTRUZ. DI LAVORO RT / RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ / Acceptance criteria | INSPECTION TEST PLAN / ITP | FASE ITP / ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO / Examination Phase | MATERIALE / Material | TRATTAMENTO TERMICO / Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT / Before PWHT ☐ DOPO TT / After PWHT ☒ NON APPLICAB. / Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica / Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione / Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,12 | |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 330 mm | 20.00 | 350 mm | 5.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000056 | 1 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG041 | 1/2V | 250.0 | 20.00 | A | AA-AB | A | AX426 |
| | | | | | | | | B | AA-DF | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 / NDT Technician Level 2 | CONTROLLO QUALITA' / QC Supervisor | ISPETTORE CONTRATTISTA / Contractor Repr. | ISPETTORE CLIENTE / Company Repr. | ISPETTORE TERZA PARTE / Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani II Level VT-MT-PT-RT ISO 9712/SNT-TC-1A Operator: Partisani Riccardo | Enzo Sortino Quality Control Department ROSETTI MARINO SpA | | | |

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 05-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 2 | Single Wall | 2.3 - 4.0 | 0,084 | 05-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 340 mm | 9.50 | 350,0 mm | 8.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000055 | 2 | 123A90-FDL-ST-DD 90233 | 1 | CWLSB115 | K | 330.0 | 7.50 | A | AA | A | AX426 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Riccardo Partisani<br>II Level VT-MT-PT-RT<br>ISO 9712:SNT-TC-1A<br>Operator: Partisani Riccardo | Enzo Sorrito<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

MOD-QCI-33 2019-00

ROSETTI MARINO
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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** / Report Date: 05-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA / Job | PROGETTO / Project | CLIENTE / Client | NUMERO ORDINE / Order number | DISCIPLINA / Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. / Welding Process | CODICE SPECIFICA / Standard Code | CODICE PROCEDURA / Procedure code | ISTRUZ. DI LAVORO RT / RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ / Acceptance criteria | INSPECTION TEST PLAN / ITP | FASE ITP / ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO / Examination Phase | MATERIALE / Material | TRATTAMENTO TERMICO / Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | ☐ PRIMA del TT / Before PWHT ☐ DOPO TT / After PWHT ☒ NON APPLICAB. / Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica / Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione / Exposure date |
|---|---|---|---|---|---|
| 25 | 2 | Single Wall | 2.3 - 4.0 | 0,084 | 05-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 340 mm | 9.50 | 350,0 mm | 8.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000054 | 1 | 123A90-FDL-ST-DD 90233 | 1 | CWLSB115 | 1/2V | 330.0 | 9.50 | A | | A | AX426 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 / NDT Technician Level 2 | CONTROLLO QUALITA' / QC Supervisor | ISPETTORE CONTRATTISTA / Contractor Repr. | ISPETTORE CLIENTE / Company Repr. | ISPETTORE TERZA PARTE / Third Party Inspector |
|---|---|---|---|---|
| Operator: Partisani Riccardo | Enzo Scalzo Quality Control Department ROSETTI MARINO SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 04-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355<br>EN 10025 S355 J2 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,134 | 04-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 335 mm | 15.00 | 350,0 mm | 6.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000053 | 3 | 123A90-FDL-ST-DD 90113 | 1 | CWLSB047 | 1/2V | 300.0 | 15.00 | 0-1 | AA-EX | A | AX90 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| ABAZI ALBAN II LIV. SNT-TC-1A EN 473 MT-PT-RT<br>Company: CONTROL<br>Operator: Abazi Alban | Enzo Sartino Quality Control Department ROSETTI MARINO S.p.A. | | | |

ROSETTI MARINO
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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 04-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355<br>EN 10025 S355 J2 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,134 | 04-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 335 mm | 15.00 | 350,0 mm | 6.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000052 | 3 | 123A90-FDL-ST-DD 90113 | 1 | CWLSB045 | 1/2V | 300.0 | 15.00 | 0-1 | | A | AX90 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban<br>ABAZI ALBAN II LIV. SNT-TC-1A EN 473 0712 MT-PT-RT | Enzo Sorrisi Quality Control Department ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 04-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355<br>EN 10025 S355 J2 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 2 | Single Wall | 2.3 - 4.0 | 0,106 | 04-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 338 mm | 12.00 | 350,0 mm | 8.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000051 | 1 | 123A90-FDL-ST-DD 90122 | 1 | CWLSB107 | 1/2V | 72.5 | 12.00 | A | | A | AX429 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban<br>ABAZI ALBAN II LIV. ENT-TC EN ISO 9712 MT-PT-RT | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 01-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 3 | Single Wall | 2.0 - 4.0 | 0,12 | 01-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 330 mm | 20.00 | 350 mm | 5.00 min. | 3 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000050 | 6 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG013 | K | 950.0 | 15.00 | 0-1 | | A | AX84 |
| | | | | | | | | 1-2 | | A | |
| | | | | | | | | 2-3 | DF | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorrino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 01-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.3 - 4.0 | 0,15 | 01-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000049 | 4 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG013 | 1/2V | 300.0 | 25.00 | A | | A | AX84 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO S.p.A. | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 01-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,12 | 01-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 330 mm | 20.00 | 350 mm | 5.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000048 | 7 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG040 | 1/2V | 250.0 | 20.00 | A | AA | R | AX393 |
| | | | | | | | | B | AA | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 01-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,12 | 01-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 330 mm | 20.00 | 350 mm | 5.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000047 | 2 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG039 | 1/2V | 250.0 | 20.00 | A | AA | A | AX393 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorrito<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ABAZI ALBAN
II LIV. SNT-TC-1A
EN 473-ISO9712
MT-PT-RT

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 01-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,12 | 01-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 330 mm | 20.00 | 350 mm | 5.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000046 | 1 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG039 | 1/2V | 250.0 | 20.00 | A | | A | AX393 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ABAZI ALBAN
II LIV. SNT-TC-1A
EN 473-ISO9712
MT-PT-RT

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 01-03-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,12 | 01-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 330 mm | 20.00 | 350 mm | 5.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000045 | 6 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG040 | 1/2V | 250.0 | 20.00 | A | | A | AX393 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban<br>ABAZI ALBAN II LIV. SNT-TC-1A EN 473 ISO9712 MT-PT-RT | Enzo Sortino Quality Control Department ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 29-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 29-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000044 | 2 | 123A90-FDL-ST-DD 90233 | 1 | CWLSB073 | K | 330.0 | 7.50 | 0-1 | C | R | AX410 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ABAZI ALBAN
II LIV. SNT-TC-1A
EN 473 [illegible]
MT-PT-RT

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 29-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 29-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000043 | 2 | 123A90-FDL-ST-DD 90233 | 1 | CWLSB107 | K | 330.0 | 7.50 | 0-1 | DF-F | A | AX429 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| ABAZI ALBAN II LIV. SNT-TC-1A EN 473 20307412 MT-PT-RT<br>Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 29-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 29-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000042 | 2 | 123A90-FDL-ST-DD 90233 | 1 | CWLSB056 | K | 330.0 | 7.50 | 0-1 | | A | AX426 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| ABAZI ALBAN II LIV. SNT-TC-1A EN 473 MT PT-RT<br>Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorrino Quality Control Department ROSETTI MARINO SpA | | | |

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 29-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 29-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000040 | 2 | 123A90-FDL-ST-DD 90233 | 1 | CWLSB061 | K | 330.0 | 7.50 | 0-1 | | A | AX394 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| ABAZI ALBAN<br>II LIV. SNT-TC-1A<br>EN 473 [illegible]9712<br>MT-PT-RT<br>Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 29-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 29-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000039 | 2 | 123A90-FDL-ST-DD 90233 | 1 | CWLSB057 | K | 330.0 | 7.50 | 0-1 | | A | AX73 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| ABAZI ALBAN II LIV. SNT-TC-1A EN 473 MT-PT-RT<br>Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 29-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 29-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000038 | 2 | 123A90-FDL-ST-DD 90233 | 1 | CWLSB074 | K | 330.0 | 7.50 | 0-1 | | A | AX426 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ABAZI ALBAN
II LIV. SNT-TC-1A
EN 473 [illegible] 12
MT PT-RT

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 29-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10025 S355 J2<br>EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| SE 75 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 25 | 1 | Single Wall | 2.3 - 4.0 | 0,065 | 29-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 342mm | 7.50 | 350,0 mm | 8.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000037 | 2 | 123A90-FDL-ST-DD 90233 | 1 | CWLSB114 | K | 330.0 | 7.50 | 0-1 | | A | AX84 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ABAZI ALBAN
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EN 473-ISO9712
MT-PT-RT

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 29-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1A | GTAW+FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | API 5L Gr.X52 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.12 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 1 | Panoramica | 2.3 - 4.0 | 0,13 | 29-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 190,5 mm | 12.70 | 203,2 mm | 3.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000036 | 2 | 123A90-FDL-ST-DD 90289 | 1 | CWLG008 | V | 406.4 | 12.70 | 0-1 | | A | AX416 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| ABAZI ALBAN II LIV. SNT-TC-1A EN 473 ISQ09712 MT PT-RT<br>Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 29-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.12 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 1 | Panoramica | 2.3 - 4.0 | 0,13 | 29-03-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 190,5 mm | 12.70 | 203,2 mm | 3.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000035 | 1 | 123A90-FDL-ST-DD 90191 | 1 | CWLG008 | V | 406.4 | 12.70 | 0-1 | | A | AX416 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| ABAZI ALBAN II LIV. SNT-TC-1A EN 473 [illegible] MT-PT-RT<br>Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino Quality Control Department ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 29-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1A | GTAW+FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | API 5L Gr.X52 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.12 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 1 | Panoramica | 2.3 - 4.0 | 0,13 | 29-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 190,5 mm | 12.70 | 203,2 mm | 3.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000034 | 2 | 123A90-FDL-ST-DD 90289 | 1 | CWLG007 | V | 406.4 | 12.70 | 0-1 | | A | AX416 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ABAZI ALBAN
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EN 473-ISO 9712
MT-PT-RT

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 28-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 1 | Single Wall | 2.3 - 4.0 | 0,153 | 28-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 325 mm | 25.00 | 350 mm | 6.30 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000029 | 1 | 123A90-FDL-ST-DD 90013 | 1 | CWLPG014 | 1/2V | 300.0 | 25.00 | B | DF | A | AX25 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban<br>ABAZI ALBAN II LIV. SNT-TC-1A EN 473 ISO 9712 MT-PT-RT | ROSETTI MARINO SPA<br>Comandini Massimo<br>Level III NDT<br>EN - ISO9712 | | | |

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 28-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | API 5L Gr.X52 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.12 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 1 | Contatto | 2.3 - 4.0 | 0,064 | 28-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 393 mm | 12.70 | 406,4 mm | 3.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000030 | 2 | 123A90-FDL-ST-DD 90285 | 1 | CWLG005 | V | 406.4 | 12.70 | 0-1 | | A | AX416 |

**NOTE** / Remarks
POS.0-1 : SPATTER

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| ABAZI ALBAN II LIV. SNT-TC-1A EN 473 ISO 9712 MT-PT-RT<br>Company: CONTROL<br>Operator: Abazi Alban | ROSETTI MARINO SPA<br>Comandini Massimo<br>Level III NDT<br>EN - ISO9712 | | | |

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RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 28-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | API 5L Gr.X52 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.12 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 1 | Contatto | 2.3 - 4.0 | 0,064 | 28-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 393 mm | 12.70 | 406,4 mm | 3.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000031 | 2 | 123A90-FDL-ST-DD 90285 | 1 | CWLG006 | V | 406.4 | 12.70 | 0-1 | AA-AB | A | AX416 |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| ABAZI ALBAN II LIV. SNT-TC-1A EN ISO 9712 MT-PT-RT<br>Company: CONTROL<br>Operator: Abazi Alban | ROSETTI MARINO SPA<br>Comandini Massimo<br>Level III NDT<br>EN - ISO9712 | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 28-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1A | GTAW+FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.12 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | Kodak T200 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 1 | Contatto | 2.3 - 4.0 | 0,12 | 28-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 330 mm | 20.00 | 350 mm | 3.00 min. | 1 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000033 | 2 | 123A90-FDL-ST-DD90286 | 1 | CWLG013 | V | 800.0 | 20.00 | 0-1 | EX | A | AX84-AX416 |

**NOTE** / Remarks
POS.0-1 : SPATTER

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | ROSETTI MARINO SPA<br>Comandini Massimo<br>Level III NDT<br>EN - ISO9712 | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 28-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 1A | GTAW+FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.12 | Film Side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | Kodak T200 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 1 | Contatto | 2.3 - 4.0 | 0,12 | 28-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 2 | 330 mm | 20.00 | 350 mm | 3.00 min. | 1 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000032 | 2 | 123A90-FDL-ST-DD90286 | 1 | CWLG011 | V | 800.0 | 20.00 | 0-1 | FA | A | AX84-AX416 |

**NOTE** / Remarks
POS.0-1 : SPATTER

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | ROSETTI MARINO SPA<br>Comandini Massimo<br>Level III NDT<br>EN - ISO9712 | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 26-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.3 - 4.0 | 0,18 | 26-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 330 mm | 20.00 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000028 | 1 | 123A90-FDL-ST-DD 90183 | 1 | CWLPG030 | 1/2V | 250.0 | 20.00 | A | | A | AX426-AX90 |
| | | | | | | | | B | AA | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban<br>ABAZI ALBAN II LIV. SNT-TC-1A EN 473 ISO9712 MT-PT-RT | ROSETTI MARINO SPA<br>Comandini Massimo<br>Level III NDT<br>EN - ISO9712 | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 26-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.3 - 4.0 | 0,18 | 26-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 330 mm | 20.00 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000027 | 6 | 123A90-FDL-ST-DD 90180 | 1 | CWLPG031 | 1/2V | 250.0 | 20.00 | A | DF | A | AX25 |
| | | | | | | | | B | DF | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban<br>ABAZI ALBAN II LIV. SNT-TC-1A EN 473-ISO9712 MT-PT-RT | ROSETTI MARINO SPA<br>Comandini Massimo<br>Level III NDT<br>EN - ISO9712 | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 26-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.3 - 4.0 | 0,23 | 26-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000026 | 5 | 123A90-FDL-ST-DD 90183 | 1 | CWLPG044 | 1/2V | 400.0 | 25.00 | A | | A | AX84-AX393 |
| | | | | | | | | B | DF | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | ROSETTI MARINO SPA<br>Comandini Massimo<br>Level III NDT<br>EN - ISO9712 | | | |

ABAZI ALBAN
II LIV. SNT-TC-1A
EN 473-ISO9712
MT-PT-RT

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** / Report Date: 26-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA / Job | PROGETTO / Project | CLIENTE / Client | NUMERO ORDINE / Order number | DISCIPLINA / Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. / Welding Process | CODICE SPECIFICA / Standard Code | CODICE PROCEDURA / Procedure code | ISTRUZ. DI LAVORO RT / RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ / Acceptance criteria | INSPECTION TEST PLAN / ITP | FASE ITP / ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO / Examination Phase | MATERIALE / Material | TRATTAMENTO TERMICO / Post Weld Heat Treatment |
|---|---|---|
| DRI After Repair | EN 10225 S420 | ☐ PRIMA del TT / Before PWHT ☐ DOPO TT / After PWHT ☒ NON APPLICAB. / Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica / Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione / Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.3 - 4.0 | 0,23 | 26-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000025 | 2 | 123A90-FDL-ST-DD 90180 | 1 | CWLPG022 | 1/2V | 300.0 | 25.00 | A | DF | A | AX25 |
| | | | | | | | | B | F | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 / NDT Technician Level 2 | CONTROLLO QUALITA' / QC Supervisor | ISPETTORE CONTRATTISTA / Contractor Repr. | ISPETTORE CLIENTE / Company Repr. | ISPETTORE TERZA PARTE / Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Agaz Alban<br>ABAZI ALBAN<br>II LIV. SNT-TC-1A<br>EN 473 ISO9712<br>MT-PT-RT | ROSETTI MARINO SPA<br>Comandini Massimo<br>Level III NDT<br>EN 4SO9712 | | | |

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 21-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.12 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 3 | Single Wall | 2.0 - 4.0 | 0,18 | 21-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 330 mm | 20.00 | 350 mm | 5.00 min. | 3 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000024 | 6 | 123A90-FDL-ST-DD 90183 | 1 | CWLPG044 | K | 950.0 | 20.00 | 0-1 | | A | AX84 |
| | | | | | | | | 1-2 | DF | A | |
| | | | | | | | | 2-3 | F | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ABAZI ALBAN II LIV. SNT-TC-1A EN ISO 9712 MT-PT-RT

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 21-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,23 | 21-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000023 | 5 | 123A90-FDL-ST-DD 90183 | 1 | CWLPG044 | 1/2V | 400.0 | 25.00 | A | AA-BA | R | AX84 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 21-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,23 | 21-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000022 | 4 | 123A90-FDL-ST-DD 90183 | 1 | CWLPG044 | 1/2V | 400.0 | 25.00 | A | FA | A | AX84 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban<br>ABAZI ALBAN II LIV. SNT-TC-1A EN473 ISO9712 MT-PT-RT | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 21-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,23 | 21-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000021 | 2 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG037 | 1/2V | 300.0 | 25.00 | A | | A | AX426 |
| | | | | | | | | B | DF | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ABAZI ALBAN
II LIV. SETTORE
EN 473 MT

MOD-QCI-33 2019-00

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 21-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,23 | 21-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000020 | 1 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG037 | 1/2V | 300.0 | 25.00 | A | | A | AX426 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA<br>27-02-24 | | | |

ROSETTI MARINO
Group of Companies

NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 20-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,18 | 20-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 330 mm | 20.00 | 350 mm | 5.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000019 | 6 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG046 | K | 950.0 | 20.00 | A | | A | AX63 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ABAZI ALBAN II LIV. UNI EN ISO 9712 MT-PT-RT TC-1A

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Group of Companies

NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 20-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,23 | 20-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000018 | 5 | 123A90-FDL-ST-DD 90184 | 1 | CWLPG048 | 1/2V | 400.0 | 25.00 | A | | A | AX25 |
| | | | | | | | | B | DF | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban<br>ABAZI ALBAN II LIV. SNT-TC-1A EN 473-ISO9712 MT-PT-RT | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 20-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,23 | 20-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000017 | 5 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG046 | 1/2V | 400.0 | 25.00 | A | | A | AX63 |
| | | | | | | | | B | EX | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| ABAZI ALBAN II LIV. SNT-TC-1A EN 473 [illegible] 712 MT-PT-RT<br>Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino Quality Control Department ROSETTI MARINO SpA | | | |

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NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| | | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.12 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 30 | 3 | Single Wall | 2.0 - 4.0 | 0,134 | 19-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 335 mm | 15.00 | 350 mm | 10.00 min. | 3 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000016 | 3 | 123A90-FDL-ST-DD 90013 | 1 | CWLPG014 | K | 950.0 | 15.00 | 0-1 | AA | A | |
| | | | | | | | | 1-2 | AA | A | |
| | | | | | | | | 2-3 | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| | | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,18 | 19-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 330 mm | 20.00 | 350 mm | 5.00 min. | 2 |

**OGGETTO CONTROLLATO** / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000015 | 2 | 123A90-FDL-ST-DD 90180 | 1 | CWLPG038 | 1/2V | 250.0 | 20.00 | A | AA-AB-F | A | |
| | | | | | | | | B | AA-AB-F | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sorino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| | | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,18 | 19-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 330 mm | 20.00 | 350 mm | 5.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000014 | 7 | 123A90-FDL-ST-DD90180 | 1 | CWLPG031 | 1/2V | 250.0 | 20.00 | A | | A | |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| | | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,18 | 19-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 330 mm | 20.00 | 350 mm | 5.00 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000013 | 6 | 123A90-FDL-ST-DD 90180 | 1 | CWLPG031 | 1/2V | 250.0 | 20.00 | A | BB | R | |
| | | | | | | | | B | AB | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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EN 473 [illegible]712
MT-PT-RT

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| | | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,23 | 19-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000012 | 2 | 123A90-FDL-ST-DD 90180 | 1 | CWLPG022 | 1/2V | 300.0 | 25.00 | A | FA | A | |
| | | | | | | | | B | C | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| | | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività /Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,23 | 19-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000011 | 1 | 123A90-FDL-ST-DD 90013 | 1 | CWLPG014 | 1/2V | 300.0 | 25.00 | A | DF | A | |
| | | | | | | | | B | BA | R | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO S.p.A. | | | |

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Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 19-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| | | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,23 | 19-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000010 | 2 | 123A90-FDL-ST-DD 90013 | 1 | CWLPG014 | 1/2V | 300.0 | 25.00 | A | | A | |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 16-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,23 | 16-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000009 | 4 | 123A90-FDL-ST-DD 90184 | 1 | CWLPG048 | 1/2V | 400.0 | 25.00 | A | | A | AX25 |
| | | | | | | | | B | AB | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Operator: Partisani Riccardo | Enzo Sortino Quality Control Department ROSETTI MARINO SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
Group of Companies

NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 16-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,23 | 16-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000008 | 4 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG046 | 1/2V | 400.0 | 25.00 | A | | A | AX63 |
| | | | | | | | | B | AB-DF | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Operator: Partisani Riccardo | Enzo Sorino Quality Control Department ROSETTI MARINO SpA | | | |

Riccardo Partisani
II Level VT-MT-PT-RT
ISO 9712/SNT-TC-1A

ROSETTI MARINO
Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 16-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.12 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 3 | Single Wall | 2.0 - 4.0 | 0,18 | 16-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 330 mm | 20.00 | 350 mm | 5.00 min. | 3 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000007 | 6 | 123A90-FDL-ST-DD 90184 | 1 | CWLPG048 | K | 950.0 | 20.00 | 0-1 | AB | A | AX25 |
| | | | | | | | | 1-2 | AA | A | |
| | | | | | | | | 2-3 | DF | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Cognome e Nome: Partisani Riccardo<br>Riccardo Partisani<br>II Level VT-MT-PT-RT<br>ISO 9712/SNT-TC-1A | Enzo Sorino<br>Quality Control Departmen<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 15-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.12 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 3 | Single Wall | 2.0 - 4.0 | 0,18 | 15-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 330 mm | 20.00 | 350 mm | 5.00 min. | 3 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000006 | 3 | 123A90-FDL-ST-DD 90184 | 1 | CWLPG048 | K | 950.0 | 20.00 | 0-1 | | A | AX25 |
| | | | | | | | | 1-2 | DF | A | |
| | | | | | | | | 2-3 | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| ABAZI ALBAN II LIV. SNT-TC-1A EN 473 [illegible] 9712 MT PT-RT<br>Company: CONTROL<br>Operator: Abazi Alban | Enzo Spano<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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Group of Companies

**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 15-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.12 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 3 | Single Wall | 2.0 - 4.0 | 0,18 | 15-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 330 mm | 20.00 | 350 mm | 5.00 min. | 3 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000005 | 3 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG046 | K | 950.0 | 20.00 | 0-1 | | A | AX63 |
| | | | | | | | | 1-2 | DF | A | |
| | | | | | | | | 2-3 | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sonito<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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EN ISO 9712
MT-PT-RT

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NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 15-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,23 | 15-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000004 | 2 | 123A90-FDL-ST-DD 90184 | 1 | CWLPG048 | 1/2V | 400.0 | 25.00 | A | | A | AX25 |
| | | | | | | | | B | DF | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Scalia<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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NDT ACTIVITIES - TEST REPORT

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 15-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | ☐ PRIMA del TT Before PWHT ☐ DOPO TT After PWHT ☒ NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,23 | 15-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000003 | 1 | 123A90-FDL-ST-DD 90184 | 1 | CWLPG048 | 1/2V | 400.0 | 25.00 | A | DF | A | AX25 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 15-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,23 | 15-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000002 | 2 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG046 | 1/2V | 400.0 | 25.00 | A | | A | AX63 |
| | | | | | | | | B | | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abazi Alban | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |

ABAZI ALBAN
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EN 473 [illegible] 712
MT-PT-RT

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**NDT ACTIVITIES - TEST REPORT**

# RAPPORTO DI ESAME RADIOGRAFICO
RADIOGRAPHIC TEST REPORT

**DATA RAPPORTO** Report Date: 15-02-2024
**FOGLIO** / sheet n°: 1 of 1

| COMMESSA Job | PROGETTO Project | CLIENTE Client | NUMERO ORDINE Order number | DISCIPLINA Discipline |
|---|---|---|---|---|
| 123A90 | BASE LOAD POWER HUB (BLPH) | CROSSWIND | CW-I-WP4-2023-05 | ST Structure |

| WPS | TECNICA SALD. Welding Process | CODICE SPECIFICA Standard Code | CODICE PROCEDURA Procedure code | ISTRUZ. DI LAVORO RT RT Work Instruction |
|---|---|---|---|---|
| 2A | FCAW | K559-2254-MT-SPE-001 | 123A90-PML-QHSE-PRO-00094 Rev. 2 | IDL-QCI-RT - 0036 Rev. 01 |

| CRITERIO DI ACCETTABILITÀ Acceptance criteria | INSPECTION TEST PLAN ITP | FASE ITP ITP Phase |
|---|---|---|
| ISO 11699-1 | 123A90-PML-QHSE-ITP-00075 Rev. 1 | / |

| FASE DEL CONTROLLO Examination Phase | MATERIALE Material | TRATTAMENTO TERMICO Post Weld Heat Treatment |
|---|---|---|
| FIN Weld Completion | EN 10225 S420 | [ ] PRIMA del TT Before PWHT [ ] DOPO TT After PWHT [X] NON APPLICAB. Not Applicable |

## RADIOGRAPHIC TECHNIQUE DETAILS

| Sorgente / Source | I.Q.I. Tipo / I.Q.I. Type | I.Q.I. Sensibilità richiesta / I.Q.I. Required Sensitivity | I.Q.I. Posizione / I.Q.I. Location |
|---|---|---|---|
| IR 192 | 10 FE EN | Wire n.11 | Source side |

| Unità / Unit | Tipo Film + Marca / Film type + Brand | Pellicole per cassetta (Nr) Films box | Schermi di rinforzo (mm) Intensifying screens Front-Back | Sviluppo / Development |
|---|---|---|---|---|
| GAMMA RAY | KODAK MX125 | 1 | 0,10X0,10 | Automatic |

| Energia+Corrente / Energy+Current Attività / Activity | Nr. Films / Films Nr. | Tecnica radiografica Radiographic techniques | Densità film / Film density | Penombra Ug (mm) Unsharpness geom. Ug | Data esposizione Exposure date |
|---|---|---|---|---|---|
| 35 | 2 | Single Wall | 2.0 - 4.0 | 0,23 | 15-02-2024 |

| Macchia Focale (mm) Focal Spot | Distanza sorgente-oggetto (mm) Distance Source-Object | Distanza lato sorgente oggetto-pellicola (mm) Distance from Source side object to film | Distanza focal (mm) Focal distance | Tempo di esposiz. Exposure time | No. di esposizioni Nr. of exposures |
|---|---|---|---|---|---|
| 3 | 325 mm | 25.00 | 350 mm | 6.30 min. | 2 |

## OGGETTO CONTROLLATO / Tested object

**COMPONENTE** / Item: ITEM

| RAPP. Report | SALD Weld | DISEGNO Drawing | Fg Sh | MARCA Mark | CIANF. Bevel | DIMENSIONE Dimension | Sp. Thk (mm) | POS. Film pos. | INDICAZIONI Indications | ESITO Result | SALDATORI Welders |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 000001 | 1 | 123A90-FDL-ST-DD 90181 | 1 | CWLPG046 | 1/2V | 400.0 | 25.00 | A | | A | AX63 |
| | | | | | | | | B | DF | A | |

**NOTE** / Remarks

| TECNICO CND Livello 2 NDT Technician Level 2 | CONTROLLO QUALITA' QC Supervisor | ISPETTORE CONTRATTISTA Contractor Repr. | ISPETTORE CLIENTE Company Repr. | ISPETTORE TERZA PARTE Third Party Inspector |
|---|---|---|---|---|
| Company: CONTROL<br>Operator: Abaz Alban<br>ABAZI ALBAN II LIV. SNT TC-1A EN ISO 9712 MT-PT-RT | Enzo Sortino<br>Quality Control Department<br>ROSETTI MARINO SpA | | | |