




| | | | |
|---|--|---|---|
|  Tecnimont S.p.A. |  REPSOL POLIMEROS SA | 4274_CONST 4274-ALBA PROJECT-PP AND PEL PLANTS |  |
| MOD-ITP-XL_220 RELEASE OF SPOOLS FROM WORKSHOP Rev.1 | | Report n° IP-WSR-P-310-000026_RFI671 MOD-ITP-XL_220 RFI Nr.: 671 Date : | |
| Unit - | | | |
| Plant Area - | | | |
| Isometric Number | | | |
| Inspection Package Number IP-WSR-P-310-000026_RFI671 - IP Spool Release From Workshop | | | |

Sheet 01/01

The Present Inspection Package contains the following Elements:

2121-VZ40P01-3-SP01;2121-VG40Z03-2-SP01-ZZ;2121-VG40P14-1-SP03;2121-VG40P14-1-SP02;2121-VG40P14-1-SP01;2121-VA49A07-1-SP01;2121-VA40Y02-1-SP02;2121-VA40Y02-1-SP01;2121-VA40U10-2-SP02;2121-VA40U10-1-SP01;2121-VA40U02-2-SP03;2121-VA40U02-2-SP02;2121-VA40U02-1-SP01;2121-MOD40Z24-1-SP01;2121-LPN91S10-1-SP04;2121-LPN91S10-1-SP03;2121-LPN91S10-1-SP02;2121-LPN91S10-1-SP01;2121-CWS91J51-2-SP03;2121-CWS91J51-2-SP02;2121-CWR40B12-2-SP04;2121-CWR40B12-2-SP03;2121-CWR40B12-2-SP02;2121-CWR40B12-1-SP01;2121-CWR40B06-2-SP01;2121-CWR40B06-1-SP03;2121-CWR40B06-1-SP02-ZZ;2121-CWR40B04-1-SP04;2121-CWR40B04-1-SP03;2121-CWR40B04-1-SP02;2121-CWR40B04-1-SP01;2121-CWR40B01-1-SP02;2121-CWR40B01-1-SP01

NOTES (*) : 4274-XH-PQ-00000001

1) Painting cycle to be indicated.

2) Refer to: 4274-LZ-PC-00000214 (COMPANY 4001008GEN-PC-214) "Management of Site Metallic Welding Activities" and 4274-LZ-PC-00000215 (COMPANY 4001008GEN-PC-215) "Procedure for Traceability of Piping Material"

3) Refer to: 4274-XH-SG-00000003 (COMPANY 45-L-45-000-2-00-80005) "Specification for Piping Fabrication & Erection Amendment to EC-L-51.01 and EC-L-51.02" and 4274-XH-PQ-00000001 (COMPANY 45-L-45-000-2-00-80081) "Inspection and Test Plan for Steel Piping Works"


 L.Gomes
 NWI
 R
 W
 18/12/2023

| LEGEND OF CHECK RESULT | <input checked="" type="checkbox"/> Checked & NOT Accepted | <input checked="" type="checkbox"/> Checked & Accepted | N.A. Not Applicable | Y / N Punch List Produced |
|------------------------|--|--|----------------------------------|---------------------------|
| | Date (DD-MMM-YYYY) | Name | Signature | |
| SUBCONTRACTOR | 18/12/2023 | Patricia Texeira | Patricia Texeira | |
| CONTRACTOR | 18/12/2023 | João Paulo Pinto | João Paulo Pinto PIPING SUBC TEN | |
| COMPANY | | | | |
| (Free) | | | | |

ISO Summary List

22635 / 1221
Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-CWR40B06-1** ✓

Revision **00**

Priority **6**

Piping Size/Class **3-B-1**

PED Category **Art 4.3**

Assessment Inspection/Results

| Spool | Weld# | Joint | Product Description | Seq. N. | Heat # | M.Certificate | FM-Dos | WPS | WeldDate/Stamp | VT | NDT-PT/MT | NDT-RT/UT | NDT-PMI/HT | NDT-PN | NDT-FT | Extension 1 | Extension 2 |
|-------|-------|-------|--|------------------|------------------------------------|--|--------------------------------------|-----------|--------------------|----------|-----------|-----------|------------|--------|--------|-------------|-------------|
| 01 03 | S15 | BW | 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓ | 228 17 | 215148 ✓ 23211709 ✓ | CE23002054_3.1_01 23310546 | 5:Varela PVX1312824 | MW.20_BW | 11/10/2023 S138 | VT-I-045 | | | | | | | |
| 02 03 | S14 | BW | 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓ | 228 17 | 215148 ✓ 23211709 ✓ | CE23002054_3.1_01 23310546 | 5:Varela PVX1312824 | MW.20_BW | 11/10/2023 S138 | VT-I-045 | | | | | | | |
| 04 03 | S11 | OL | 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓ 3x.75" REDUCING SOCKOLET MSS SP-97 3000 ✓ | 228 17 425 | 215148 ✓ 23211709 ✓ 244301 ✓ | CE23002054_3.1_01 23310546 CE2022/1596 | 5:Varela PVX1312824 PVX1312824 | MW.20_SBR | 11/10/2023 S138 | VT-I-045 | | | | | | | |
| 06 02 | S09 | BW | 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓ | 228 17 | 215148 ✓ 23211709 ✓ | CE23002054_3.1_01 23310546 | 5:Varela PVX1312824 | MW.20_BW | 11/10/2023 S138 | VT-I-045 | | | | | | | |
| 07 02 | S08 | BW | 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓ | 228 17 | 215148 ✓ 23211709 ✓ | CE23002054_3.1_01 23310546 | 5:Varela PVX1312824 | MW.20_BW | 26/10/2023 S138 | VT-I-057 | | | | | | | |
| 08 02 | S07 | BW | 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓ | 228 17 | 215148 ✓ 23211709 ✓ | CE23002054_3.1_01 23310546 | 5:Varela PVX1312824 | MW.20_BW | 11/10/2023 S138 | VT-I-045 | | | | | | | |

JOAQUIM PINTO
PIPING SUP. TEN
Joaoquin Pinto 19/12/2023

Notes

BW-Butt Weld; FW-Fillet Weld; LW-Lap Weld; SW-Socket Weld; TBW-Tee Butt Weld
PT-Penetrant Test; MT-Magnetic Test; RT-Radiographic Test
UT-Ultrasonic Test; PMI-Positive Material Identification
HT-Hardness Test; PN-Pneumatic Test; FT-Ferrites Test

Remarks

APPROVED QC

Name: *Patricia Teixeira*
Date: *18/12/2023*
Sign: *Patricia Teixeira*

APPROVED by Client

Name: **TECNIMONT**
Date: *L. Gomes*
Sign: *L. Gomes*

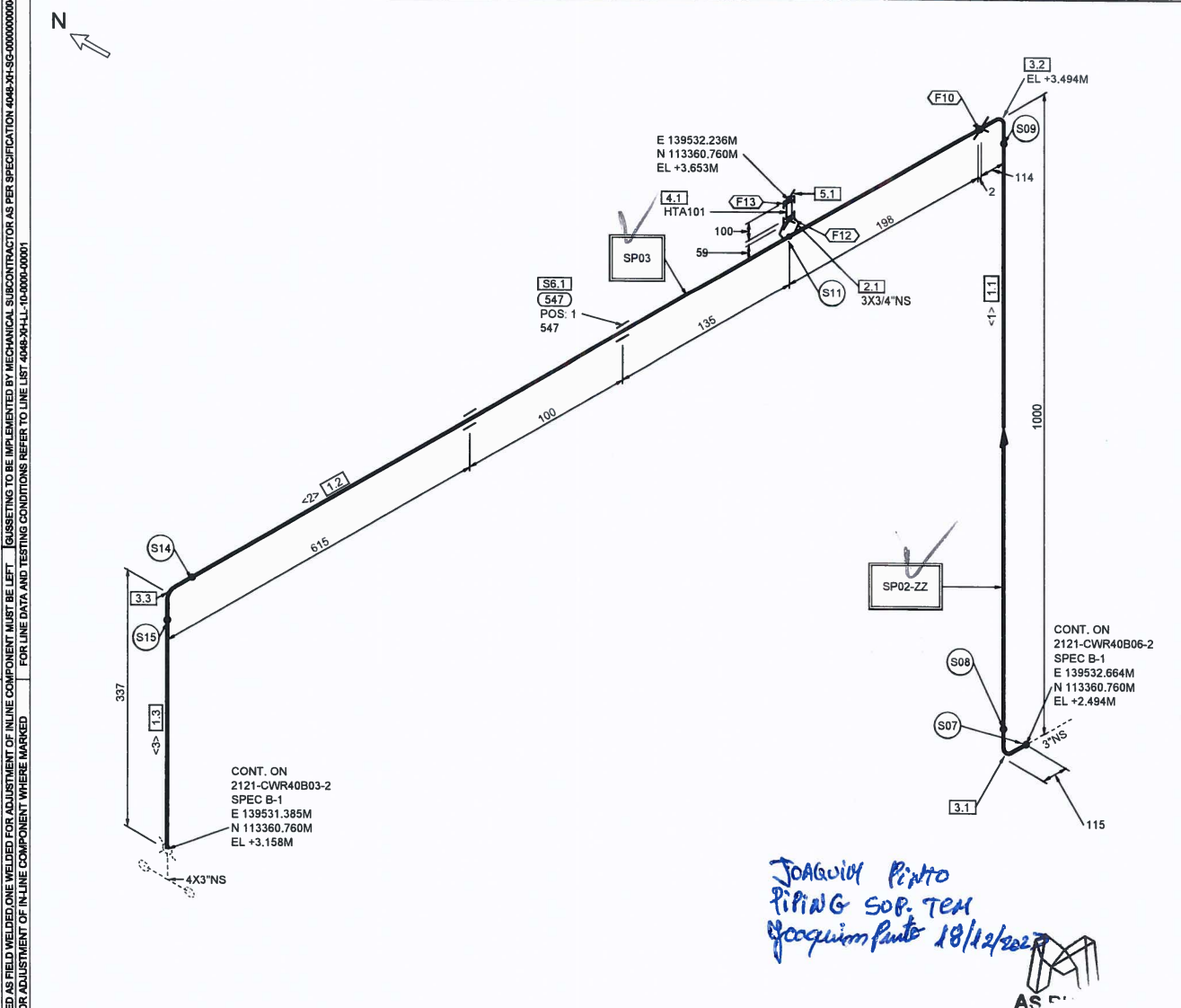
APPROVED by 3rd party or AI

Name: _____
Date: _____
Sign: _____



| | | | | | | | | | | | |
|-----|------------|-------------------------|----------|---------|-------|-----------------|------------|-------|---------------------------|----------|---------------------------------|
| | | | | | | LINE DATA | | | | | |
| | | | | | | FLUID CODE: CWR | | | LINE NO. 3"-CWR-40B06-B-1 | | |
| | | | | | | PIPING | INSULATION | WELD | HEAT | PAINTING | P&ID No. |
| | | | | | | MATERIAL CLASS | | CLASS | TREATMENT | CODE | |
| 00 | 10-08-2023 | ISSUED FOR CONSTRUCTION | YG | MM | TM | | | | | | |
| REV | DATE | REVISION DESCRIPTION | DRAWN UP | CHKD UP | APP'D | B-1 | N / O | E | N | 1 | 19-A-19-000-1-01-00001 sheet 29 |

| PLANT: SINES INDUSTRIAL COMPLEX | | CLIENT REF: REPSOL POLYMEROS | | IDENTIFICATION CODE | | | |
|---------------------------------|------|------------------------------|----------|---------------------|----|--|--|
| Job | ETC | Y | Area | N | | | |
| 4274 | XHDL | 2121 | CWR40B06 | | | | |
| UNIT | 19 | SHEET | 1 | REV | 00 | | |



| REFERENCE | | | | REFERENCE | | | |
|-----------------------|--------------------------------|------------------------------|-----------------|---------------------------------|-----------------|--|--|
| P&ID ASSEMBLY DRAWING | 19-L-19-000-2-00-86192 sheet 2 | PIPING SUPPORT SPECIFICATION | XH-SG-000000002 | PIPING STANDARD SUPPORT SUMMARY | XH-LP-000000001 | | |
| PIPING ISOMETRIC LIST | XH-LD-212100001 | PIPING TYPICAL INSTALLATIONS | XH-SL-000000002 | WELDING SPECIFICATION | XH-SW-000000001 | | |

BILL OF MATERIALS

| PS NO | DESCRIPTION | NS (MM) | ITEM CODE | QTY. | HOLD |
|-------|--|---------|-----------|-------|------|
| 1 | PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806). | 3 | I117921 | 2.0 M | |
| 2 | FITTINGS REDUCING SOCKLETT MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01511> (L-343) | 3X3/4 | I1651368 | 1 | |
| 3 | 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955). | 3 | I128599 | 3 | |

ELECTION MATERIALS

| PS NO | DESCRIPTION | NS (MM) | ITEM CODE | QTY. | HOLD |
|-------|---|---------|-----------|------|------|
| 4 | FITTINGS NIPPLE - A106-B PE MTE SMLS LENGTH 100mm R03AQ032W04 S-XS <NTOA010E111162> (L-7888) | 3/4 | I2221184 | 1 | |
| 5 | CAP ASME B16.11 3000# A105N FTE NREQD - R41FNC442001 NREQD <CATA300KBK3/4> (L-79) | 3/4 | I1651686 | 1 | |
| 6 | SUPPORTS VERT.TRESTLES WELDED TO STR TR31 L100X100X10 | 3 | 547 | 1 | |

| CUT LIST | | | WELD LIST | | | | BOLT LIST | | | |
|--|-------------|-----------|-----------|-----------|-----------|-----------|---------------------|-----------------|---------------|-------------|
| PIECE NO | LENGTH (MM) | SIZE (IN) | WELD NO | WELD CAT. | SIZE (IN) | WELD TYPE | BOLT NO | FLANGE SIZE(IN) | SIZE (IN) | LENGTH (MM) |
| <1> | 768 | 3" | S07 | S | 3" | BW | | | | |
| <2> | 1032 | 3" | S08 | S | 3" | BW | | | | |
| <3> | 321 | 3" | S09 | S | 3" | BW | | | | |
| | | | F10 | F | 3" | BW | | | | |
| | | | S11 | S | 3/4" | OL | | | | |
| | | | F12 | F | 3/4" | SW | | | | |
| | | | F13 | F | 3/4" | THD | | | | |
| | | | S14 | S | 3" | BW | | | | |
| | | | S15 | S | 3" | BW | | | | |
| | | | | | | | | | | |
| | | | | | | | INCH METER | | | |
| | | | | | | | PIPE NS (IN) | | CL LENGTH (M) | |
| | | | | | | | 3 0.75 | | 3.5 0.1 | |
| ISOMETRIC NO. 4274-SP-XH-DL-2121-CWR43335-1-IS33 | | | | | | | SPOOLING REV NO. 00 | | | |

AUTHORISED FOR CONSTRUCTION
SIGNED FOR CONSTRUCTION IS SHOWN ON ISO LIST FOR RELEVANT PIPING AREA.

| JOINT TYPE | WELD TYPE | JOINT TYPE | WELD TYPE | JOINT TYPE | WELD TYPE | JOINT TYPE | WELD TYPE | JOINT TYPE | WELD TYPE |
|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| BW | G | BW | B | LET | LET | BOB | B | | |
| FW | B | GBW | B | LP | RF | BOF | B | | |
| LA | RF | GBW | B | MTW | M | THD | TH | | |

| | | |
|----------------|------------------------|--------------------------|
| MECWIDE | Prep: TG | PROC. NR: PCL 22635 |
| Dimensional: | Status: IFC | Date: 10-08-2023 Rev: 00 |
| Before Welding | Signature: [Signature] | |
| After Welding | Signature: [Signature] | |

1 DENOTES PARTS LIST NO
PIPE SUPPORT A = RESTING SUPPORT G = GUIDE F = AXIAL RESTRAINT B = GUIDE + STOP M = SPRING
PROJECT: LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) FOR PROJECT - ALBA PROJECT