




| | | | |
|---|--|---|---|
|  Tecnimont S.p.A. |  REPSOL POLIMEROS SA | 4274_CONST 4274-ALBA PROJECT-PP AND PEL PLANTS |  |
| MOD-ITP-XL_220 Rev.1 | | RELEASE OF SPOOLS FROM WORKSHOP | Report n° IP-WSR-P-310-000055_RFI1119_MOD-ITP-XL_220 |
| | | RFI Nr.: 1119 | Date : |
| Unit - | | | |
| Plant Area - | | | |
| Isometric Number | | | |
| Inspection Package Number IP-WSR-P-310-000055_RFI1119 - IP Spool Release From Workshop | | | |

Sheet 01/01

The Present Inspection Package contains the following Elements:




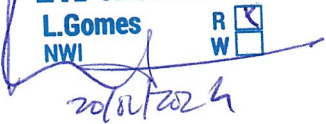
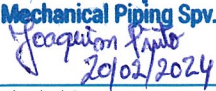
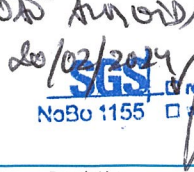
2211-VRG50A09-1-SP02;2211-VRG50A09-1-SP01;2211-VRG50A08-1-SP11;2211-VRG50A08-1-SP07;2211-VRG50A08-1-SP06;2211-VRG50A08-1-SP05;2211-FL50A02-4-SP09;2211-FL50A02-4-SP08;2211-CWR40G04-3-SP04;2211-CWR40G04-2-SP03;2211-CWR40G04-2-SP02;2211-CWR40G04-1-SP01;2211-CWR40B02-3-SP04;2211-CWR40B02-3-SP03;2121-VRG41B13-1-SP05;2121-VG40P02-1-SP01;2121-FL40K02-1-SP02;2121-FL40K02-1-SP01;2121-FL40C01-3-SP04;2121-FL40C01-3-SP03;2121-ET40F04-1-SP02;2121-ET40F04-1-SP01;2121-ET40A07-7-SP04;2121-CWS40G04-1-SP03;2121-CWS40G04-1-SP02;2121-CWS40G04-1-SP01;2121-CWS40G03-2-SP02;2121-CWS40G03-1-SP01-ZZ;2121-CWR40B02-3-SP07;2121-CWR40B02-3-SP06;2121-CWR40B02-1-SP11;2121-CWR40B02-1-SP02;2121-CWR40B02-1-SP01;2121-COM40B01-1-SP02;2121-COM40B01-1-SP01;2121-BU10C13-2-SP05;2121-BU10C13-2-SP04

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 NW1 |  Pinto Joaquim Mechanical Piping Spv. |  No 30 1155 |
|  20/02/2024 |  20/02/2024 |  20/02/2024 |
| 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 |
| SUBCONTRACTOR | 20/02/2024 | Patricia Teixeira |
| CONTRACTOR | | Patricia Teixeira |
| COMPANY | | |
| (Free) | | |



ISO Summary List

22635 / 1797

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VG40P02-1**

Revision **00**

Priority **6**

Piping Size/Class **6-1C17**

PED Category **II**
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 | S06 | BW | 6" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 6" PIPE - A106-B BE SMLS ✓ | 396 116 | 17367 23101232 | CE23002010_3.1_01 23503497 | 3:Eletrodo - SBX1211788 5:Vareta - PVX1312824 | MW.21_BW | 14/10/2023 S46 | VT-I-048 | | | | | | | |
| 02 | S05 | BW | 6" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 6" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓ | 521 396 | 722833 17367 | CE23004590_3.1_01 CE23002010_3.1_01 | 3:Eletrodo - SBX1211788 5:Vareta - PVX1312824 | MW.21_BW | 14/10/2023 S46 | VT-I-048 | | | | | | | |
| 03 | S04 | BW | 6" PIPE - A106-B BE SMLS ✓ 6" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ | 116 521 | 23101232 722833 | 23503497 CE23004590_3.1_01 | 3:Eletrodo - SBX1211788 5:Vareta - PVX1312824 | MW.21_BW | 14/10/2023 S46 | VT-I-048 | | | | | | | |
| 06 | S01 | BW | 6x6" WN FLANGE ASME B16.5 150# A105N RF ✓ 6" PIPE - A106-B BE SMLS ✓ | 39 116 | 07EE23 23101232 | 225263 23503497 | 3:Eletrodo - SBX1211788 5:Vareta - PVX1312824 | MW.21_BW | 14/10/2023 S46 | VT-I-048 | | | | | | | |

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: *19/02/2024*

Sign: *Patricia Teixeira*

APPROVED by Client

Name: **TECNIMONT**

Date: *L. Gomes NWI*

Sign: *20/02/2024*

APPROVED by 3rd party or AI

Name: *João Almeida*

Date: *20/02/2024*

Sign: *SGS*

NoSo 1155

reviewed by

ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION. LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED. ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION. FOR THE COMPONENT MARKED AS FIELD WELDED, ONE WELDED FOR ADJUSTMENT OF IN-LINE COMPONENT MUST BE LEFT. (OUTSETTING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 4046-XH-SG-0000000004) FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4046-XH-LI-10-0000-00001

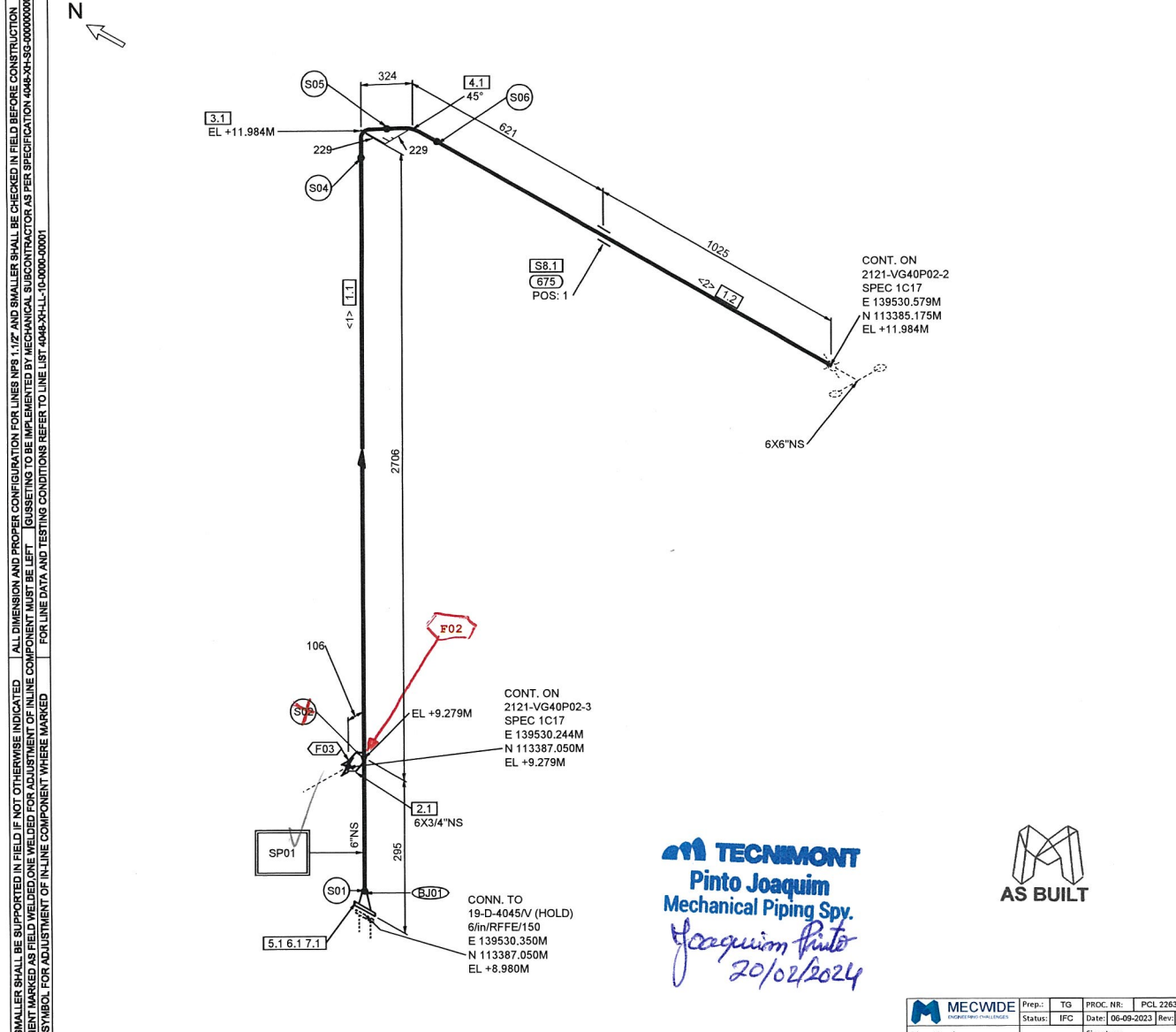
| REPSOL | | | | FLUID CODE: VG | | | | LINE DATA | | | |
|--------|------------|-------------------------|----------|----------------|-------|-----------------------|------------|------------|----------------|---------------|---------------------------------|
| 00 | 06-09-2023 | ISSUED FOR CONSTRUCTION | TG | MW | TM | PIPING MATERIAL CLASS | INSULATION | WELD CLASS | HEAT TREATMENT | PAINTING CODE | P&ID No. |
| REV | DATE | REVISION DESCRIPTION | DRAWN UP | CHKD UP | APP'D | 1C17 | N / 0 | E | N | 1 | 19-A-19-000-1-01-00001 sheet 45 |

| TECNIMONT | | PIPING ISOMETRIC | | IDENTIFICATION CODE | | | |
|---------------------------------|------------------------------|------------------|------|---------------------|------|------|---------|
| PLANT: SINES INDUSTRIAL COMPLEX | CLIENT REF: REPSOL POLYMEROS | Job | Area | 4274 | XHDL | 2121 | VG40P02 |
| UNIT | 19 | SHEET | 1 | REV | 00 | | |

| BILL OF MATERIALS | | | | |
|-----------------------|--|---------|-----------|-------|
| FABRICATION MATERIALS | | | | |
| PS NO | DESCRIPTION | NS (MM) | ITEM CODE | QTY. |
| 1 | PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B16STD> (L-7806). | 6 | I117981 | 4.3 M |
| 2 | FITTINGS REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01711> (L-343). | 6X3/4 | I1651371 | 1 |
| 3 | 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F36STD> (L-7955). | 6 | I128667 | 1 |
| 4 | 45 LR ELBOW ASME B16.9 A234-WPB BE SMLS C02DC04V01 S-STD <45LA200F36STD> (L-7955). | 6 | I201303 | 1 |
| 5 | FLANGES VN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R156STD> (L-149). | 6 | I4057788 | 1 |

| ERECTION MATERIALS | | | | |
|--------------------|--|---------|-----------|------|
| PS NO | DESCRIPTION | NS (MM) | ITEM CODE | QTY. |
| 6 | GASKETS SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP11512 <N/A> (N/A) | 6 | I63508932 | 1 |
| 7 | BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE 1010B0301 <SB2R51G3/441/4> - 2 NUTS PER BOLT - 105 mm Length | 3/4 | I53437464 | 8 |
| 8 | SUPPORTS VERT.TRESTLES WELDED TO STR TR34 HEA100 | 6 | 675 | 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> | 2680 | 6" | S01 | S | 6" | BW | BJ01 | 6" | 3/4" | 105 |
| <2> | 16491549 | 6" | S02 F03 | S | 3/4" | OL | | | | |
| | | | F03 | F | 3/4" | SW | | | | |
| | | | S04 | S | 6" | BW | | | | |
| | | | S05 | S | 6" | BW | | | | |
| | | | S06 | S | 6" | BW | | | | |



TECNIMONT
Pinto Joaquim
Mechanical Piping Sp.
Joaquin Pinto
20/02/2024

AS BUILT

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

| JOINT TYPE | WELD TYPE OF JOINT | WELD TYPE OF JOINT | WELD TYPE OF JOINT | WELD TYPE OF JOINT | WELD TYPE OF JOINT | WELD TYPE OF JOINT | WELD TYPE OF JOINT |
|------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| BW | G | BW | B | LET | LET | BOB | B |
| PW | S | BB | B | UP | RF | BOF | B |
| LA | RF | BLW | B | MTW | M | THD | TH |

| | | |
|-----------------|-------------|---------------------|
| MECWIDE | Prep: TG | PROC. NR: PCL 22635 |
| Dimensional: | Status: IFC | Date: 06-09-2023 |
| Before Welding: | Signature: | Rev: 00 |
| After Welding: | | |

1 DENOTES PARTS LIST NO
PIPE SUPPORT
A = RESTING SUPPORT G = GUIDE F = AXIAL RESTRAINT B = GUIDE + STOP M = SPRING
WHERE A WITHOUT NUMBERING IS INDICATED THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE
PROJECT: LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) FOR PROJECT - ALBA PROJECT

ISOMETRIC NO. 4274-SP-XH-DL-2121-VG40P02-1-IS00
SPOOLING REV NO. 00