




Sheet 01/01

2211-CWR80B01-2-SP02;2121-VA49A06-3-SP05;1121-N67028-1-SP02;1121-N67028-1-SP01;2121-VA40Z10-2-SP03;2121-VA40Z10-2-SP02;1121-CHWR43011-1-SP03;1121-CHWR43011-1-SP02;1121-CHWR43011-1-SP01;1111-VA00001-1-SP02;1111-VA00001-1-SP01;1111-LC63028-3-SP12;1111-LC63028-2-SP13;1111-IW01001-3-SP05;1111-IW01001-3-SP04;1111-IW01001-3-SP03;1111-JWR24005-1-SP01;1111-FW68A38-5-SP01;1111-FW68A38-5-SP02;1111-CHWS61027-1-SP02;1111-CHWS61027-1-SP01;1111-CHWR61014-1-SP01;7111-N00D01-2-SP03;7111-IW00B01-15-SP04;7111-FW68A88-3-SP02;7111-FW68A88-3-SP01;7111-FW68A88-2-SP16;7111-FW68A88-2-SP15;7111-FW68A88-2-SP17;7111-FW68A88-1-SP20;7111-FW68A88-1-SP19;7111-FW68A88-1-SP18;7111-CWR94005-3-SP02;7111-CWR94005-3-SP01;7111-N91M15-1-SP01;7111-CWS91J02-2-SP06;7111-CWS91J02-2-SP05;7111-CWR91K03-2-SP08;7111-CWR91K03-2-SP07;7111-LC91A01-1-SP01;7111-LC91A01-1-SP02;7111-LS91A81-1-SP01;7111-CWRS52A04-1-SP01;7111-CWR91K04-1-SP01;7111-CWR40B03-1-SP01;7111-CWR40B03-1-SP02;7111-CWS91J23-1-SP01;7111-CWS91J04-1-SP01;7111-IW91N65-1-SP01

[illegible]

**TECNIMONT**  
JOAQUIM PINTO  
PIPING SUP.  
Joaquim Pinto

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	16/10/2023	Patricia Teixeira			Patricia Teixeira
CONTRACTOR	16/10/2023	LUT GAMES			[Signature]
COMPANY					
(Free)					

 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-310-000008_MOD-ITP-XL_220
		RFI Nr.: 294	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000008 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:


2211-CWR80B01-2-SP02;2121-VA49A06-3-SP05;1121-N67028-1-SP02;1121-N67028-1-SP01;2121-VA40Z10-2-SP03;2121-VA40Z10-2-SP02;1121-CHWR43011-1-SP03;1121-CHWR43011-1-SP02;1121-CHWR43011-1-SP01;1111-VA00001-1-SP02;1111-VA00001-1-SP01;1111-LC63028-3-SP12;1111-LC63028-2-SP13;1111-IW01001-3-SP05;1111-IW01001-3-SP04;1111-IW01001-3-SP03;1111-JWR24005-1-SP01;1111-FW68A38-5-SP01;1111-FW68A38-5-SP02;1111-CHWS61027-1-SP02;1111-CHWS61027-1-SP01;1111-CHWR61014-1-SP01;7111-N00D01-2-SP03;7111-IW00B01-15-SP04;7111-FW68A88-3-SP02;7111-FW68A88-3-SP01;7111-FW68A88-2-SP16;7111-FW68A88-2-SP15;7111-FW68A88-2-SP17;7111-FW68A88-1-SP20;7111-FW68A88-1-SP19;7111-FW68A88-1-SP18;7111-CWR94005-3-SP02;7111-CWR94005-3-SP01;7111-N91M15-1-SP01;7111-CWS91J02-2-SP06;7111-CWS91J02-2-SP05;7111-CWR91K03-2-SP08;7111-CWR91K03-2-SP07;7111-LC91A01-1-SP01;7111-LC91A01-1-SP02;7111-LS91A81-1-SP01;7111-CWR52A04-1-SP01;7111-CWR91K04-1-SP01;7111-CWR40B03-1-SP01;7111-CWR40B03-1-SP02;7111-CWS91J23-1-SP01;7111-CWS91J04-1-SP01;7111-IW91N65-1-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"

  
JOAQUIM PINTO  
PIPING SUP  
Joãoquim Pinto

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	16/10/2023	Patricia Teixeira	Patricia Teixeira		
CONTRACTOR	16/10/2023	Luis Garcia	Luis Garcia		
COMPANY					
(Free)					

# ISO Summary List

# 22635 / 1378

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VA40Z10-2**

Revision **00**

Priority **6**

Piping Size/Class **3-1C17**

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	Repair 1	Repair 2
02	S09	BW	3" PIPE - A106-B BE SMLS ✓ 3" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓	17 ✓ 394 ✓	23211709 ✓ 215148 ✓	23310546 ✓ CE23002008_3.1_01 ✓	5/Varela ✓ PVX1312824 ✓	MW.20_BW ✓	29/08/2023 ✓ S138 ✓	VT-I-013 ✓		RT: RT-I-0117 ✓					
03	S11	BW	3" PIPE - A106-B BE SMLS ✓ 3" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓	17 ✓ 394 ✓	23211709 ✓ 215148 ✓	23310546 ✓ CE23002008_3.1_01 ✓	5/Varela ✓ PVX1312824 ✓	MW.20_BW ✓	28/09/2023 ✓ S138 ✓	VT-I-036 ✓							
04	S12	BW	3" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓	394 ✓ 17 ✓	215148 ✓ 23211709 ✓	CE23002008_3.1_01 ✓ 23310546 ✓	5/Varela ✓ PVX1312824 ✓	MW.20_BW ✓	29/08/2023 ✓ S138 ✓	VT-I-013 ✓							
05	S13	BW	3" PIPE - A106-B BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	17 ✓ 228 ✓	23211709 ✓ 215148 ✓	23310546 ✓ CE23002054_3.1_01 ✓	5/Varela ✓ PVX1312824 ✓	MW.20_BW ✓	29/08/2023 ✓ S138 ✓	VT-I-013 ✓							
07	S18M	BW	3" PIPE - A106-B BE SMLS ✓ 3" PIPE - A106-B BE SMLS ✓	17 ✓ 17 ✓	23211709 ✓ 23211709 ✓	23310546 ✓ 23310546 ✓	5/Varela ✓ PVX1312824 ✓	MW.20_BW ✓	27/09/2023 ✓ S138 ✓	VT-I-035 ✓							

## 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 Texeira*

Date: *16/10/2023*

Sign: *Patricia Texeira*

QC

## APPROVED by Client

Name: *Luís Gonçalves*

Date: *16/10/2023*

Sign: *[Signature]*

NWZ

## APPROVED by 3rd party or AI

Name:

Date:

Sign:





LINE DATA										PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		IDENTIFICATION CODE				
FLUID CODE: VA										LINE NO. 3"-VA-40Z10-1C17		PIPING ISOMETRIC		Job	EIC	Area	N	
PIPING MATERIAL CLASS										INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.	4274	XHDL	2121	VA40Z10
REV	DATE	ISSUED FOR CONSTRUCTION	TG	MW	TM	1C17	N / 0	E	N	1	19-A-19-000-1-01-00001 sheet 51	UNIT	19	SHEET	2	REV	00	
00	23-08-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM	1C17	N / 0	E	N	1	19-A-19-000-1-01-00001 sheet 51	PIPING ASSEMBLY DRAWING	19-L-19-000-2-00-86196 sheet 3	PIPING SUPPORT SPECIFICATION	XH-SG-00000002	PIPING STANDARD SUPPORT SUMMARY	XH-LP-00000001	
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D	1C17	N / 0	E	N	1	19-A-19-000-1-01-00001 sheet 51	PIPING ISOMETRIC LIST	XH-LD-21210001	PIPING TYPICAL INSTALLATIONS	XH-SL-00000002	WELDING SPECIFICATION	XH-SW-00000001	

CONT. ON 2121-VA40Z10-1 SPEC 1C17 E 139523.043M N 113394.168M EL +7.344M

3"NS

S18M

F08

2919

397

SP02

S4.1 (183) G POS: 1

S5.1 (183) POS: 2

3417

3103

80

S6.1 (182) POS: 1

S7.1 (181) POS: 1

S8.1 (181) POS: 2

51

917

2.2 45°

865

114

3"NS

3.1

113

S11

S12

S13

686

F10

686

2.1 45°

SP03

S09

411

2

<1> 1.1

<2> 1.2

<3> 1.3

CONT. ON 2121-VA40Z10-3 SPEC 1C17 E 139523.728M N 113382.606M EL +7.459M

TECNIMONT

JOAQUIM PINTO

PIPING SUP

Joaoquin Pinto

AS BUILT

MECWMDE

Prep.: TG

Status: IFC

Proc. NR: PCL 22635

Date: 23-08-2023

Rev: 00

Signature:

Before Welding

After Welding

\* Assinalate deviation in the drawings ("n" or "n").

Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrolo OK)

**AUTHORISED FOR CONSTRUCTION**

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

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

BILL OF MATERIALS				
FABRICATION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806)	3	1117921	11.6 M
2	FITTINGS			
2	45 LR ELBOW ASME B16.9 A234-WPB BE SMLS C02DC04V01 S-STD <45LA200F33STD> (L-7956)	3	1201301	2
3	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955)	3	1128599	1

ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
4	SUPPORTS			
4	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	183	1
5	VERTICAL STAKES WELDED TO STR. ST42 L80X80X10	3	183	1
6	VERTICAL STAKES WELDED TO STR. ST42 L80X80X10	3	182	1
7	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	181	1
8	VERTICAL STAKES WELDED TO STR. ST42 L80X80X10	3	181	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>	9957	3"	F08	F	3"	BW				
<2>	864	3"	S09	S	3"	BW				
<3>	696	3"	F10	F	3"	BW				
			S11	S	3"	BW				
			S12	S	3"	BW				
			S13	S	3"	BW				
			S18M	S	3"	BW				

INCH METER	
PIPE NS (IN)	CL LENGTH (M)
3	12.0

ISOMETRIC NO. 4274-SP-XH-DL-2121-VA40Z10-2-IS00

SPOOLING REV NO. 00

SHEET NO. 1 OF 1