

 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-310-000067_RFI1207_MOD-ITP-XL_220	
		RFI Nr.: 1207	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000067_RFI1207 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2211-VA62B01-1-SP03;2211-VA62B01-1-SP02;2211-VA62B01-1-SP01;2211-N91M34-2-SP03;2211-N91M34-2-SP02;2211-N91M34-2-SP01;2211-N50A15-4-SP09;2211-N50A15-4-SP08;2211-N50A15-4-SP07;2211-IW91N04-6-SP14;2211-IW91N04-6-SP13;2211-CWS91J47-2-SP01;2211-CWS91J47-1-SP03;2211-CWS91J47-1-SP02;2211-CWR80B01-1-SP01;2211-CWR70A03-2-SP03;2121-VG40N11-5-SP08;2121-VG40N11-5-SP07;2121-VG40N11-5-SP06;2121-VA49A04-2-SP12;2121-VA49A04-2-SP11;2121-VA49A04-2-SP10;2121-VA49A04-1-SP09;2121-VA49A04-1-SP08;2121-VA40B03-2-SP04;2121-VA40B03-2-SP03;2121-VA40B03-2-SP02;2121-VA40B03-2-SP01;2121-PA91P08-1-SP06;2121-PA91P08-1-SP05;2121-CWS91J52-1-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"

 **TECNIMONT**

Pinto Joaquim  
Mechanical Piping Spv.

Joaquim Pinto  
07/03/2024

 **TECNIMONT**

L.Gomes  
NW1

07/03/2024

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	Signature	
SUBCONTRACTOR	07/03/2024	Patricia Texeira	Patricia Texeira	
CONTRACTOR				
COMPANY				
(Free)				



# ISO Summary List

# 22635 / 1492

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VA49A04-1**



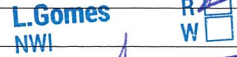
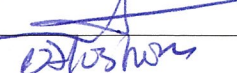
Revision **01**

Priority **6**

Piping Size/Class **3-1C14**


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-PM/HT	NDT-PN	NDT-FT	Extension 1	Extension 2
13	09	S30	BW 3" PIPE - A106-B BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	17	23211709 ✓	23310546	17-Vareta	MW.20_BW	12/12/2023 S71	VT-I-087							
14	08	S23	BW 3x2" ECCENTRIC REDUCER ASME B16.9 A234- 3" PIPE - A106-B BE SMLS ✓	401	1604351 ✓	CE23002054_3.1_01	17-Vareta	MW.20_BW	12/12/2023 S71	VT-I-087							
16	08	S24	BW 3" PIPE - A106-B BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	17	23211709 ✓	23310546	17-Vareta	MW.20_BW	12/12/2023 S71	VT-I-087							
17	08	S25	BW 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓	228	215148 ✓	CE23002054_3.1_01	17-Vareta	MW.20_BW	12/12/2023 S71	VT-I-087							
18	08	S26	BW 3" PIPE - A106-B BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	17	23211709 ✓	23310546	17-Vareta	MW.20_BW	12/12/2023 S71	VT-I-087							
20	09	S28	BW 3" PIPE - A106-B BE SMLS ✓ 3" 45 LR ELBOW ASME B16.9 A234-WPB BE S	394	215148 ✓	CE23002008_3.1_01	17-Vareta	MW.20_BW	12/12/2023 S71	VT-I-087							
21	09	S29	BW 3" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓	394	215148 ✓	CE23002008_3.1_01	17-Vareta	MW.20_BW	12/12/2023 S71	VT-I-087							
22	08	S22	BW 2x2" WN FLANGE ASME B16.5 150# A105N RF ✓ 3x2" ECCENTRIC REDUCER ASME B16.9 A234- ✓	36	70HC22 ✓	224878	17-Vareta	MW.20_BW	12/12/2023 S71	VT-I-087							
				401	1604351 ✓	CE23002054_3.1_01	17-Vareta										
<b>Notes</b> 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				<b>Remarks</b>				<b>APPROVED QC</b> Name: <i>Patricia Texeira</i> Date: <i>07/03/2024</i> Sign: <i>Patricia Texeira</i> 			<b>APPROVED by Client</b> Name:  Date: <i>L. Gomes</i>  Sign: <i>W</i> 			<b>APPROVED by 3rd party or AI</b> Name: Date: Sign:			





 <b>Technimont</b>		PIPING ISOMETRIC		IDENTIFICATION CODE						
				Job	E	C	T	Area	N	
4274		XHDL		2121		VA49A04				
UNIT		19		SHEET		1 REV. 01				
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMERS								
REFERENCES	PIPING ANALYTICAL DRAWING		E		C		T		N	
	19L-19X00-2-00-86195									
	PIPING ISOMETRIC LIST		E		C		T		N	
	XH-LD-21210001									
	PIPING SUPPORT SPECIFICATION		E		C		T		N	
			XH-SG-000000002							
	PIPING TYPICAL INSTALLATIONS		E		C		T		N	
			XH-SL-000000002							
	WELDING SPECIFICATION		E		C		T		N	
			XH-SV-000000000							

N



SEWER

CONT. ON  
2121-VA49A04-2  
SPEC 1C14  
E 139520.983M  
N 113382.706M  
EL -7.559M

114

3"NS

650

2.2

4.2

460

45°

6.1

45°

2.1

300

S12.1  
599  
G  
POS: 1

S11.1  
599  
POS: 2

4.1  
EL +6.986M  
PROVIDE 10MM WEEP HOLE.

S9.1  
605  
B  
POS: 1

1624

459

2

114

5.1  
EL +7.444M

S26

F27

1.2

S25

S10.1  
605  
POS: 3

S8.1  
605  
POS: 2

1.1

3"NS

314

S24

198

2

153

7.1

S23

S22

19  
PSV  
4903

CONT. ON  
2121-CT49A15-1  
SPEC 1C14  
E 139523.484M  
N 113381.579M  
EL +7.000M


3.1  
3X2"NS  
14MM OFFSET

**TECNIMONT**  
Pinto Joaquim  
Mechanical Piping Spv.  
*Joaquim Pinto*  
07/03/2024



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

LEGENDS							
JOINT TYPE	HMEL TYPE OF JOINT	JOINT TYPE	HMEL TYPE OF JOINT	JOINT TYPE	HMEL TYPE OF JOINT	JOINT TYPE	HMEL TYPE OF JOINT
SW	G	SW	S	LET	LET	BOB	B
FW	S	SB	B	LF	RF	SOF	S

 <b>MEC WIDE</b> <small>ENGINEERING CHALLENGES</small>	Prep.: _____	TG _____	PROC. NR.: _____	PCL 22635
	Status: _____	IFC _____	Date: 17-11-2023	Rev: _____
Dimensional:			Signature: _____	
Before Welding	11223		_____	
After Welding	12123		_____	
<p>* Assinalate deviation in the drawings ("+" or "-").</p> <p>Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)</p>				

**PROJECT:** LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP)  
FOR PROJECT - ALBA PROJECT

FABRICATION MATERIALS					
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	<b>PIPE</b>				
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806)	3	I117921	0.7 M	
2	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806)	3	I117921	2.4 M	
	<b>FITTINGS</b>				
3	ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22DC04V01 S-STD S-STD <ERE4200F315151415> (L-7959)	3X2	I128082	1	
4	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955)	3	I128599	2	
5	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955)	3	I128599	1	
	45 LR ELBOW ASME B16.9 A234-WPB BE SMLS C02DC04V01 S-STD <45LA200F33STD> (L-7956)	3	I201301	1	
	<b>FLANGES</b>				
7	WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R152STD> (L-149)	2	I5355795	1	

ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY. HOLD
	SUPPORTS			
8	STAKES SUPPORTS ST05 HEA100	3	605	1
9	GUIDE AND STOP HORIZ VERT SUPPORT-N11B1	3	605	1
10	PIPING SUPPORT - BEAMS- BE03 HEA120	3	605	1
11	VERT.TRESTLES WELDED TO STR TR34 HEA140	3	599	1
12	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	599	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>	386	3"	S22	S	2"	BW				
<2>	226	3"	S23	S	3"	BW				
<3>	1024 1971	3"	SF02	F	3"	FT				
<4>	481	3"	S24	S	3"	BW				
			S25	S	3"	BW				
			S26	S	3"	BW				
			F27	F	3"	BW				
			S28	S	3"	BW				
			S29	S	3"	BW				
			S30	S	3"	BW				
							INCH METER			
							PIPE NS (IN)		CL LENGTH (M)	
							3		3.7	
							2		0.2	
ISOMETRIC NO. 4274-SP-XH-DL-2121-VA49A04-1-IS01									SPOOLING REV NO. 0	

SHEET NO. 1 OF 1