

 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		
Unit -				
Plant Area -				
Isometric Number				
Inspection Package Number IP-WSR-P-310-000017 - IP Spool Release From Workshop				

Sheet 01/01

The Present Inspection Package contains the following Elements:

1211-CWS89032-1-SP04;1211-CWS89032-1-SP03;1211-FW68J01-4-SP08;1211-FW68J01-4-SP07;2121-VA40B02-2-SP04;2121-VA40B02-2-SP03;2121-VA40B02-1-SP02;2121-VA40B02-1-SP01;2121-MS91A01-1-SP13;2121-MS91A01-1-SP12;2121-MS91A01-1-SP11;2121-VG40N11-2-SP10;2121-VG40N11-2-SP09;2121-VG40N11-1-SP02;2121-VG40N11-1-SP01;2121-VA49A08-1-SP01;2121-VA49A05-3-SP05;2121-VA40Z10-1-SP01;2121-VA40Y02-3-SP07;2121-VA40Y02-3-SP06;2121-VA40Y02-2-SP05;2121-VA40Y02-2-SP04;2121-VA40Y02-2-SP03;2121-VA40U05-1-SP01;2121-VA40P04-1-SP01;7111-CWS64009-1-SP01;7111-PA89021-6-SP14;7111-PA89021-6-SP13;7111-N89001-6-SP12;7111-N00D01-1-SP01;1121-BDL43019-6-SP06;1121-BDL43019-6-SP05;1121-BDL43019-3-SP01;1121-BDL31031-3-SP05;1121-JWR64002-1-SP02;1121-JWR64002-1-SP01;1121-JWR40005-1-SP02;1121-JWR40005-1-SP01;1121-PN52015-2-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  
 JOAQUIM PINTO  
 PIPING SOP  
 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	09-11-2023	Patricia Teixeira	Patricia Teixeira	
CONTRACTOR	09-11-2023	Luiz Gomes	Luiz Gomes	
COMPANY				
(Free)				

QC

TECNIMONT  
 L. Gomes  
 NWI  
 R W

# ISO Summary List

# 22635 / 1250

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VA40P04-1**

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	Extension 1	Extension 2
01	S07	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	16/10/2023 S08	VT-I-049							
02	S06	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	16/10/2023 S08	VT-I-049							
03	S05	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	17/10/2023 S08	VT-I-050							
04	S04	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	17/10/2023 S08	VT-I-050							
05	S03	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	17/10/2023 S08	VT-I-050		RT:RT-I-0199					
07	S02	BW	3x2" ECCENTRIC REDUCER ASME B16.9 A234- 3" PIPE - A106-B BE SMLS	541 17	88166 23211709	CE23008046_3.1_01 23310546	5:Varela PVX1312824	MW.20_BW	17/10/2023 S08	VT-I-050							
08	S01	BW	2x2" WN FLANGE ASME B16.5 150# A105N RF 3x2" ECCENTRIC REDUCER ASME B16.9 A234-	36 541	70HC22 88166	224878 CE23008046_3.1_01	5:Varela PVX1312824	MW.20_BW	17/10/2023 S08	VT-I-050							

## 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: *[Signature]*

Date: *04/11/2023*

Sign: *[Signature]*

## APPROVED by Client

Name: **MECWISE**

Date: **L. Gomes**

Sign: *[Signature]*

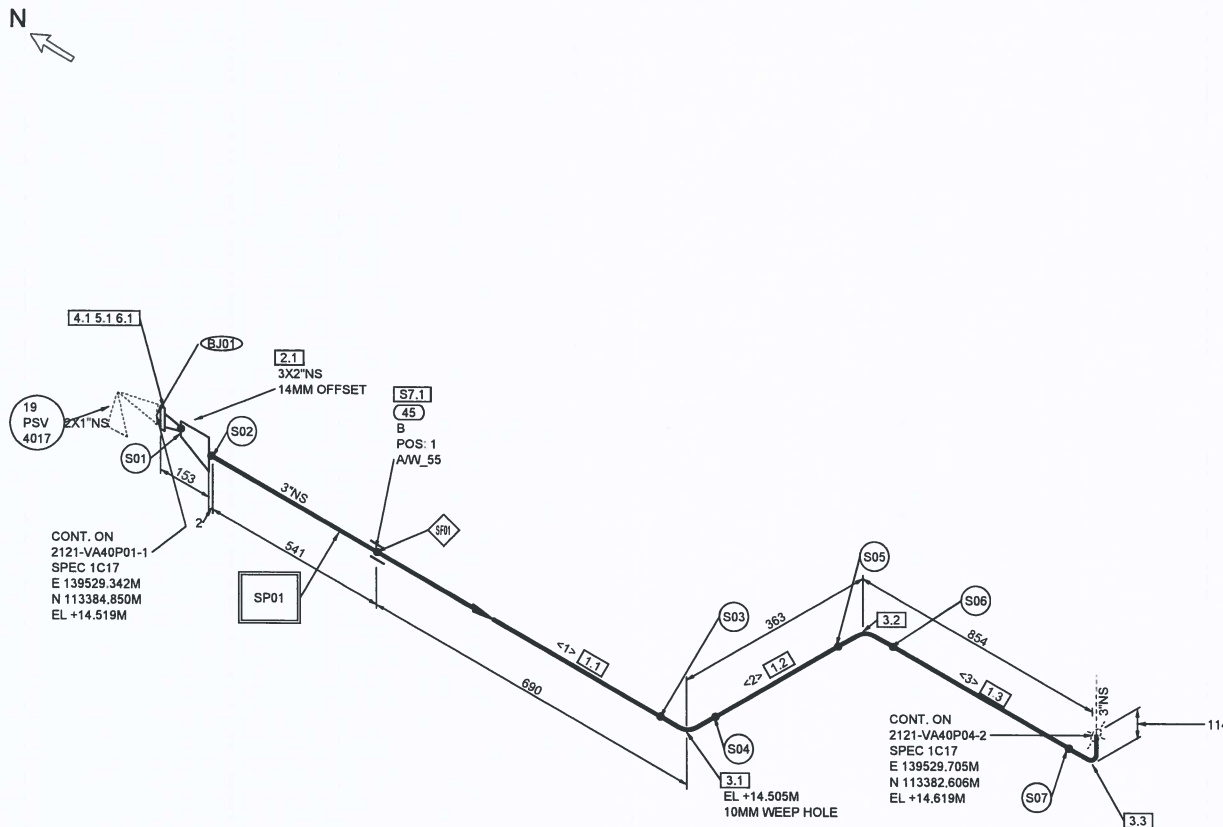
## APPROVED by 3rd party or AI

Name:


Date:

Sign:





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

 <b>MEC WIDE</b> ENGINEERING FOR CHILDREN	Prep.: _____	TG _____	PROC. NR: _____	PCL 22635
	Status: IFC	Date: 10-08-2023	Rev: _____	
Dimensional:			Signature: _____	
Before Welding	15/10/2023		_____	
After Welding	17/10/2023		_____	
* Assinilate deviation in the drawings ("+" or "-"). Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)				

AUTHORISED FOR CONSTRUCTION

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

LEGENDS							
JOINT TYPE	HMBL TYPE OF JOINT	JOINT TYPE	HMBL TYPE OF JOINT	JOINT TYPE	HMBL TYPE OF JOINT	JOINT TYPE	HMBL TYPE OF JOINT
BW	G	BW	S	LET	LET	BOB	S
FW	S	SB	S	LP	RF	BOF	S

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.	HOLD	
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806).					3	I117921	1.9 M		
2	FITTINGS ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22DC04V01 S-STD S-STD <KREA200F315151415> (L-7959).					3X2	I128082	1		
3	90 L R ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955).					3	I128599	3		
4	FLANGES 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	
5	GASKETS SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP1S12 <N/A> (N/A)					2	I63508906	1		
6	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 85 mm Length					5/8	I53437429	4		
7	SUPPORTS GUIDE AND STOP HORIZ VERT SUPPORT-N1B1					3	45	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>	1115	3"	S01	S	2"	BW	BJ01	2"	5/8"	85
<2>	131	3"	S02	S	3"	BW				
<3>	622	3"	SF01	F	3"	FT				
			S03	S	3"	BW				
			S04	S	3"	BW				
			S05	S	3"	BW				
			S06	S	3"	BW				
			S07	S	3"	BW				
INCH METER										
PIPE NS (IN)					CL LENGTH (M)					
3					2.4					
2					0.2					
ISOMETRIC NO. 4274-SP-XH-DL-2121-VA40R04-1-1S/00										
SPOOLING BEYOND										