

 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	
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 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	09-11-2023	Patricia Teixeira	Patricia Teixeira	
CONTRACTOR	09-11-2023	Luis Gomes	Luis Gomes	
COMPANY				
(Free)				

QC

TECNIMONT  
 L. Gomes  
 NWI  
 R W

# ISO Summary List

# 22635 / 1497

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VA49A05-3**

Revision **00**

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-PMI/HT	NDT-PN	NDT-FT	Extension 1	Extension 2
01	05	S20	BW	3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	228	215148	CE23002054_3.1.01	5-Varela	MW.20_BW	05/10/2023	VT-I-041						
			3" PIPE - A106-B BE SMLS	17	23211709	23310546	PVX1312824		B371								
03	05	S19	BW	3" PIPE - A106-B BE SMLS	17	23211709	23310546	5-Varela	MW.20_BW	05/10/2023	VT-I-041						
			3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	228	215148	CE23002054_3.1.01	PVX1312824		B371								

## 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: **F. A. [Signature]**

Date: **04/11/23**

Sign: **[Signature]**

## APPROVED by Client

Name: **TECNIMONT**

Date: **L. Gomes**

Sign: **NWI**

## APPROVED by 3rd party or AI

Name:

Date:


Sign:

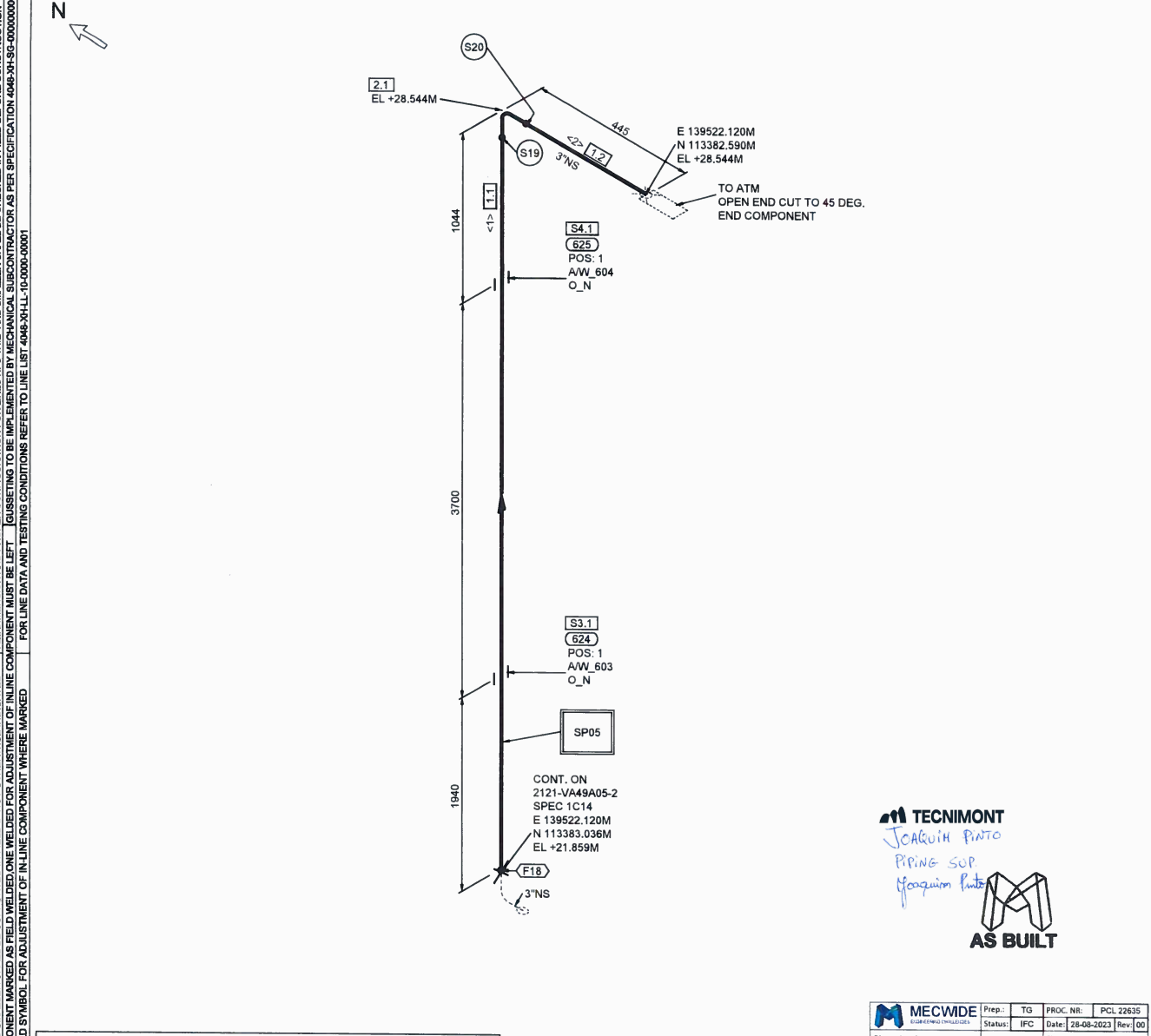
8/11/2023





						LINE DATA							
						FLUID CODE: VA			LINE NO. 3"-VA-49A05-1C14				
						PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.		
00	28-08-2023	ISSUED FOR CONSTRUCTION			TG	MW	TM	1C14	N / O	E	N	1	19-A-19-000-1-01-00001 sheet 57
REV	DATE	REVISION DESCRIPTION			DRAWN UP	CHKD UP	APP'D	1C14	N / O	E	N	1	19-A-19-000-1-01-00001 sheet 57

		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX				CLIENT REF: REPSOL POLYMEROS		UNIT	
				Job	EIC	Area	N
				4274	XHDL	2121	VA49A05
				UNIT	19	SHEET	3 REV 00
REFERENCE	PIPING ASSEMBLY DRAWING	E C T N	PIPING SUPPORT SPECIFICATION	E C T N	PIPING STANDARD SUPPORT SUMMARY	E C T N	
	TSL-19-000-3-00-001 sheet 7		XH-SG-00000002		XH-LP-00000001		
	PIPING ISOMETRIC LIST	E C T N	PIPING TYPICAL INSTALLATIONS	E C T N	WELDING SPECIFICATION	E C T N	
	XH-LD-21210001		XH-SL-00000002		XH-SW-00000001		



BILL OF MATERIALS				
FABRICATION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7905).	3	I117921	6.9 M
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955).	3	I128599	1



ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
3	SUPPORTS U BOLT (FOR GUIDE)-P02D	3	624	1
4	U BOLT (FOR GUIDE)-P02D	3	625	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>	6568	3"	F18	F	3"	BW				
<2>	328	3"	S19	S	3"	BW				
			S20	S	3"	BW				
							INCH METER			
							PIPE NS (IN)		CL LENGTH (M)	
							3		7.1	
ISOMETRIC NO. 4274-SP-XH-DL-2121-VA49A05-3-IS00							SPOOLING REV NO. 00			

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

JOINT TYPE	PIPE TYPE	JOINT TYPE	PIPE TYPE	JOINT TYPE	PIPE TYPE	JOINT TYPE	PIPE TYPE	JOINT TYPE	PIPE TYPE
BW	G	BW	B	LET	LET	BOB	B		
FW	B	BB	B	LF	RF	BOF	B		
LA	RF	BLW	B	MTW	M	THD	TH		

**TECNIMONT**  
JOAQUIM RATO  
PIPING SOP  
Joaoquim Rato  
**AS BUILT**

 <b>MECOWIDE</b> <small>ENGINEERING CHALLENGES</small>	Prep.: TG	PROC. NR: PCL 22635
	Status: IFC	Date: 28-08-2023 Rev: 00
Dimensional:	Signature:	
Before Welding		
After Welding		
* Assinilate deviation in the drawings ("+" or "-").		
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)		

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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