

 TECNIMONT Tecnimont S.p.A.	 REPSOL 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-310-000026_RFI671	MOD-ITP-XL_220
		RFI Nr.: 671	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000026_RFI671 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2121-VZ40P01-3-SP01;2121-VG40Z03-2-SP01-ZZ;2121-VG40P14-1-SP03;2121-VG40P14-1-SP02;2121-VG40P14-1-SP01;2121-VA49A07-1-SP01;2121-VA40Y02-1-SP02;2121-VA40Y02-1-SP01;2121-VA40U10-2-SP02;2121-VA40U10-1-SP01;2121-VA40U02-2-SP03;2121-VA40U02-2-SP02;2121-VA40U02-1-SP01;2121-MOD40Z24-1-SP01;2121-LPN91S10-1-SP04;2121-LPN91S10-1-SP03;2121-LPN91S10-1-SP02;2121-LPN91S10-1-SP01;2121-CWS91J51-2-SP03;2121-CWS91J51-2-SP02;2121-CWR40B12-2-SP04;2121-CWR40B12-2-SP03;2121-CWR40B12-2-SP02;2121-CWR40B12-1-SP01;2121-CWR40B06-2-SP01;2121-CWR40B06-1-SP03;2121-CWR40B06-1-SP02-ZZ;2121-CWR40B04-1-SP04;2121-CWR40B04-1-SP03;2121-CWR40B04-1-SP02;2121-CWR40B04-1-SP01;2121-CWR40B01-1-SP02;2121-CWR40B01-1-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"


L.Gomes
 NWI
 R W
 18/12/2023

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	18/12/2023	Patricia Texeira	Patricia Texeira		
CONTRACTOR	18/12/2023	João Paulo Pinto	João Paulo Pinto		
COMPANY					
(Free)					


 PIPING SUBC TEN

ISO Summary List

22635 / 1765

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-CWR40B04-1**

Revision **00**

Priority **6**

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

PED Category **I**

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	03	S13	BW 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	228	215148	CE23002054_3_1_01	5:Varela	MW.20_BW	17/10/2023	VT-I-050							
			3" PIPE - A106-B BE SMLS	17	23211709	23310546	PVX1312824		S138								
03	02	S11	BW 3" STRAIGHT TEE ASME B16.9 A234-WPB BE	213	782363	CE23007078_3_1_01	5:Varela	MW.20_BW	17/10/2023	VT-I-050							
			3" PIPE - A106-B BE SMLS	17	23211709	23310546	PVX1312824		S138								
04	04	S10	BW 3x3" WN FLANGE ASME B16.5 150# A105N RF	37	70HC22	224997	5:Varela	MW.20_BW	17/10/2023	VT-I-050							
			3" PIPE - A106-B BE SMLS	17	23211709	23310546	PVX1312824		S138								
07	02	S08	BW 3" PIPE - A106-B BE SMLS	17	23211709	23310546	5:Varela	MW.20_BW	17/10/2023	VT-I-050							
			3" STRAIGHT TEE ASME B16.9 A234-WPB BE	213	782363	CE23007078_3_1_01	PVX1312824		S138								
08	02	S07	BW 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	228	215148	CE23002054_3_1_01	5:Varela	MW.20_BW	17/10/2023	VT-I-050							
			3" PIPE - A106-B BE SMLS	17	23211709	23310546	PVX1312824		S138								
09	02	S06	BW 3" PIPE - A106-B BE SMLS	17	23211709	23310546	5:Varela	MW.20_BW	17/10/2023	VT-I-050							
			3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	228	215148	CE23002054_3_1_01	PVX1312824		S138								
11	02	S05	BW 3x3" WN FLANGE ASME B16.5 150# A105N RF	37	70HC22	224997	5:Varela	MW.20_BW	17/10/2023	VT-I-050							
			3" PIPE - A106-B BE SMLS	17	23211709	23310546	PVX1312824		S138								
12	01	S04	BW 3" PIPE - A106-B BE SMLS	17	23211709	23310546	5:Varela	MW.20_BW	17/10/2023	VT-I-050							
			3x3" WN FLANGE ASME B16.5 150# A105N RF	37	70HC22	224997	PVX1312824		S138								
13	01	S03	BW 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	228	215148	CE23002054_3_1_01	5:Varela	MW.20_BW	17/10/2023	VT-I-050							
			3" PIPE - A106-B BE SMLS	17	23211709	23310546	PVX1312824		S138								
14	01	S02	BW 3" PIPE - A106-B BE SMLS	17	23211709	23310546	5:Varela	MW.20_BW	17/10/2023	VT-I-050							
			3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	228	215148	CE23002054_3_1_01	PVX1312824		S138								
15	01	S01	BW 3x3" WN FLANGE ASME B16.5 150# A105N RF	37	70HC22	224997	5:Varela	MW.20_BW	17/10/2023	VT-I-050							
			3" PIPE - A106-B BE SMLS	17	23211709	23310546	PVX1312824		S138								

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: *18/12/2023*

Sign: *Patricia Teixeira*

APPROVED by Client

Name: **TECNIMONT**

Date: *L. Gomes*


Sign: *NWI*

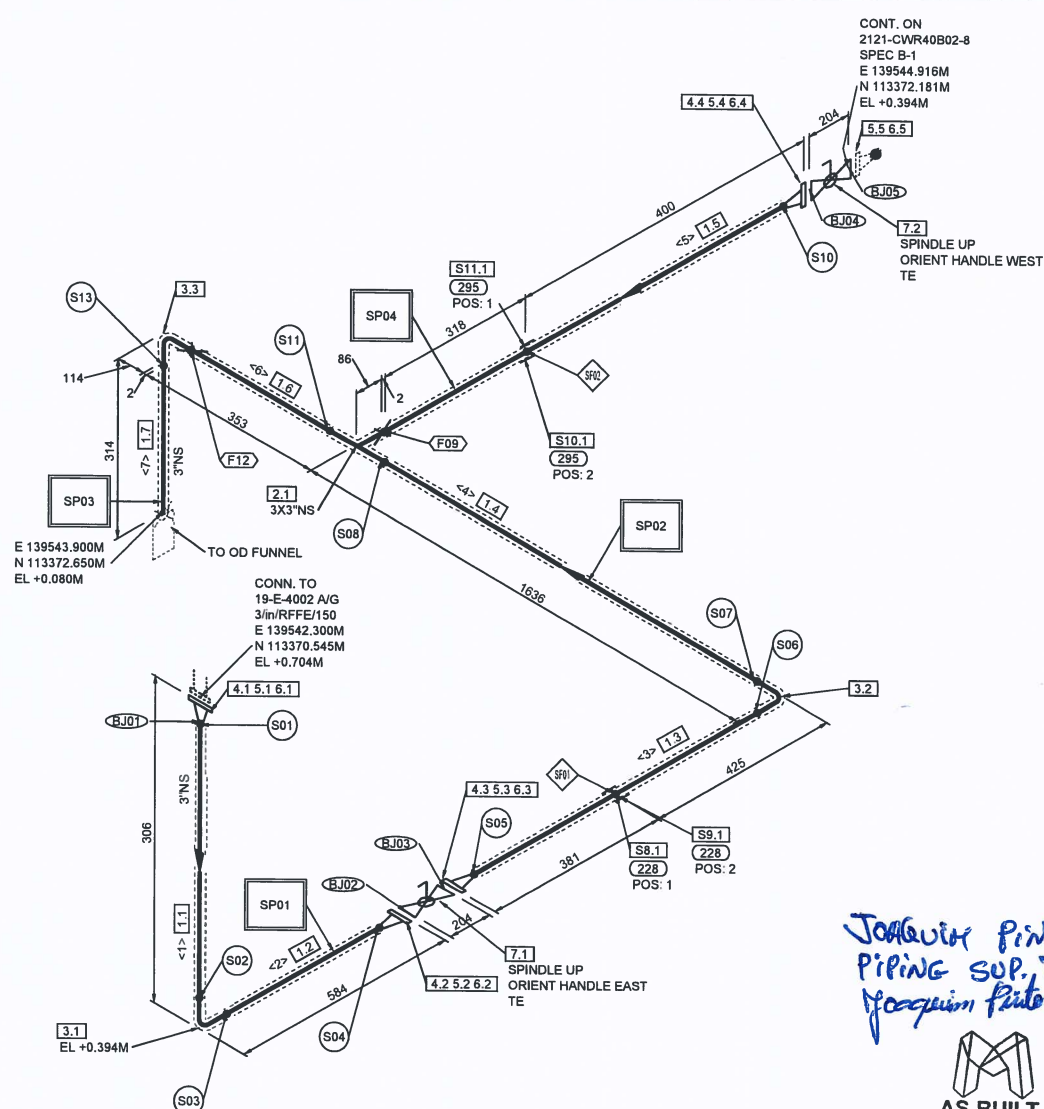
APPROVED by 3rd party or AI

Name:

Date:


Sign:

 Technimont		PIPING ISOMETRIC		IDENTIFICATION CODE			
				Job	ETC	Area	N
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMERGCS		4274	XHDL	2121	CWR40B04
				UNIT	19	SHEET	1 REV 00
REFERENCES	PIPING ASSEMBLY DRAWING: E C T N 19-L-19-000-2-00-86198 sheet 1	PIPING SUPPORT SPECIFICATION E C T N XH-SG-00000002	PIPING STANDARD SUPPORT SUMMARY E C T N XH-LP-00000001				
	PIPING ISOMETRIC LIST E C T N XHL-D-21210001	PIPING TYPICAL INSTALLATIONS E C T N XH-SL-00000002	WELDING SPECIFICATION E C T N XH-SWA-00000001				



Joãozinho Pinto
Piping SUP. TEM
Joãozinho Pinto 18/12/2023



 MEC WIDE <small>CONCESSIONARIOS AUTOMOBILISTAS</small>	Prep.: _____	TG _____	PROC. NR.: _____	PCL 22635
	Status: _____	IFC _____	Date: 06-09-2023	Rev: 00
Dimentional:	Signature: _____			
Before Welding	16.07.2023			
After Welding	17.07.2023			

* Assimilate deviation in the drawings ("± n°" or "n°").

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

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

LEGENDS

JOINT TYPE	HMEI. TYPE OF JOINT	JOINT TYPE	HMEI. TYPE OF JOINT	JOINT TYPE	HMEI. TYPE OF JOINT	JOINT TYPE	HMEI. TYPE OF JOINT
BW	G	BW	B	LET	LET	SOD	B
PW	S	SBS	B	LF	RF	SOF	B
LA	DE	BLW	B	MTW	AA		

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
	PIPE				
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806)	3	I117921	3.7 M	
	FITTINGS				
2	STRAIGHT TEE ASME B16.9 A234-WPB BE SMLS C31DC04V01 S-STD <TEBA200F315151515> (L-6955)	3X3	I129163	1	
3	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955)	3	I128599	3	
	FLANGES				
4	WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R153STD> (L-149)	3	H4217820	4	

ERECTION MATERIALS					
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	<u>GASKETS</u>				
5	FLAT RING GASKET ASME B16.21 150# RFTBE NAJARAMIDIC/NBR ASME B16.5 G02HDPC0R01 <NMQC009R1FC3> (L-NMG11)	3	I1169032	5	
	<u>BOLTS</u>				
6	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/194-2H INCH SIZE I1010B0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length	5/8	I53437440	20	
	<u>VALVES / IN-LINE ITEMS</u>				
7	BALL V-FLT-SS-RB B5 EN ISO 17292 150# A216-WCB RFFE 304R-PTFFE, GF B72H 125 - 250 AARH 2PSS-RED BORE FLOATING BALL LE ASME B16.5 V1RFD029B1V NREGD <B43L-AL107> (L-AL107)	3	I2498375	2	
	<u>SUPPORTS</u>				
8	RESTING SHOE WELDED -C1A1 H = 100 L = 300	3	228	1	
9	STAKES SUPPORTS S709 L80X80X10	3	228	1	
10	STAKES SUPPORTS S709 L80X80X10	3	295	1	
11	RESTING SHOE WELDED -C1A1 H = 100 L = 300	3	295	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>	118	3"	S01	S	3"	BW	BJ01	3"	5/8"	90
<2>	396	3"	S02	S	3"	BW	BJ02	3"	5/8"	90
<3>	618	3"	S03	S	3"	BW	BJ03	3"	5/8"	90
<4>	1432	3"	S04	S	3"	BW	BJ04	3"	5/8"	90
<5>	640 746	3"	S05	S	3"	BW	BJ05	3"	5/8"	90
<6>	200 365	3"	SF01	F	3"	FT				
<7>	198	3"	S06	S	3"	BW				
			S07	S	3"	BW				
			S08	S	3"	BW				
			F09	F	3"	BW				
			SF02	F	3"	FT				
			S10	S	3"	BW				
			S11	S	3"	BW				
			F12	F	3"	BW				
			S13	S	3"	BW				
							INCH METER			
							PIPE NS (IN)		CL LENGTH (M)	
							3		5.3	

SHEET NO. 1 OF 1