

 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-310-000014_MOD-ITP-XL_220 RFI Nr.: 393	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000014 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

1121-HCM31012-4-SP17;1121-HCM31012-4-SP16;1121-HCM31012-4-SP15;1121-HCM32019-7-SP09;1121-HCM32019-7-SP08;1121-HCM32019-3-SP07;1121-HCM32019-3-SP06;1121-HCM32019-3-SP05;1121-HCM31022-1-SP01;1121-HCM31019-3-SP02;1121-HCM31019-3-SP01;1121-HCM31012-8-SP22;1121-HCM24077-1-SP05;1121-HCM24077-1-SP04;1121-HCM24085-5-SP16;1121-HCM24085-5-SP15;1121-HCM24085-2-SP05;1121-HCM24085-2-SP04;1121-HCM24085-1-SP03;1121-HCM24085-1-SP02;1121-HCM24085-1-SP01;1121-HCM24072-9-SP06;1121-HCM24072-9-SP05;1121-HCM24073-2-SP06;1121-HCM24073-2-SP05;1121-HCM24057-7-SP11;1121-HCM24057-5-SP10;1121-HCM24057-1-SP02;1121-HCM24057-1-SP01;1111-BDL61001-1-SP01;1111-ET01001-1-SP04;1111-ET01001-1-SP03;1111-ET01001-1-SP02;1111-ET01001-1-SP01;1121-PR34015-7-SP10;1121-PR24033-2-SP09;1121-PR24033-2-SP08;1121-PR24007-1-SP06;1121-PR24007-1-SP05;1121-PR43038-3-SP03;1121-PR43038-3-SP01;2121-CWS40G02-4-SP03;2121-CWS40G02-4-SP02;2121-CWS40G02-2-SP07;7111-HXE10D18-3-SP08;7111-HXE10D18-3-SP07;7111-HXE10D18-3-SP06;7111-HXE10D18-2-SP05;7111-HXE10D18-2-SP04;7111-HXE10D18-2-SP03;7111-HXE10D05-6-SP03;7111-HXE10D05-6-SP02;7111-HXE10D05-6-SP01;2211-VRG50A08-2-SP10;2211-VRG50A08-2-SP09;2211-VRG50A08-2-SP08;2121-VA40C01-1-SP02;2121-VA40C01-1-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"

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
SUBCONTRACTOR	Date [DD-MMM-YYYY]	Name	Signature		
CONTRACTOR	21/11/2023	Patricia Teixeira	Patricia Teixeira		
COMPANY	21/11/2023	Luis Gomes	Luis Gomes		
(Free)					

João Almeida
21/11/2023

JOAQUIM PINTO
PIPING SUP. TEM
João Almeida
21/11/2023

TECNIMONT
L. Gomes
NW
21/11/2023

ISO Summary List

22635 / 1900

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-CWS40G02-2** ✓

Revision **01**

Priority **6**

Piping Size/Class **24-B-1**

PED Category **III**
Assessment Inspection/Results

Spot	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	07	S35	BW	24" PIPE - A106-B BE SMLS ✓ 24" 90 LR ELBOW ASME B16.9 A234-WPB BE	121 ✓ 364 ✓	23301997 ✓ 923011 ✓	23503492 CE23002057_3.1_01	4 Electrodo - SBX0910262 5 Vareta - PVX1312824	MW.21_BW	10/10/2023 S260	VT-I-044						
02	07	S34	BW	24x24" WN FLANGE ASME B16.5 150# A105N 24" PIPE - A106-B BE SMLS	39 ✓ 121 ✓	19EE23 ✓ 23301997 ✓	225263 23503492	4 Electrodo - SBX0910262 5 Vareta - PVX1312824	MW.21_BW	09/10/2023 S260	VT-I-043	RT: RT-I-0171					
03	07	SS05	FT	24" PIPE - A106-B BE SMLS	121 ✓	23301997 ✓	23503492										

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

* Electrodo - SBX0910262
S. Vareta - PVX1312824

APPROVED QC

Name: *Patricia Teixeira*
Date: *20/11/2023*
Sign: *Patricia Teixeira*

APPROVED by Client

Name: **TECNIMONT**
Date: *L. Gomes*
Sign: *L. Gomes*

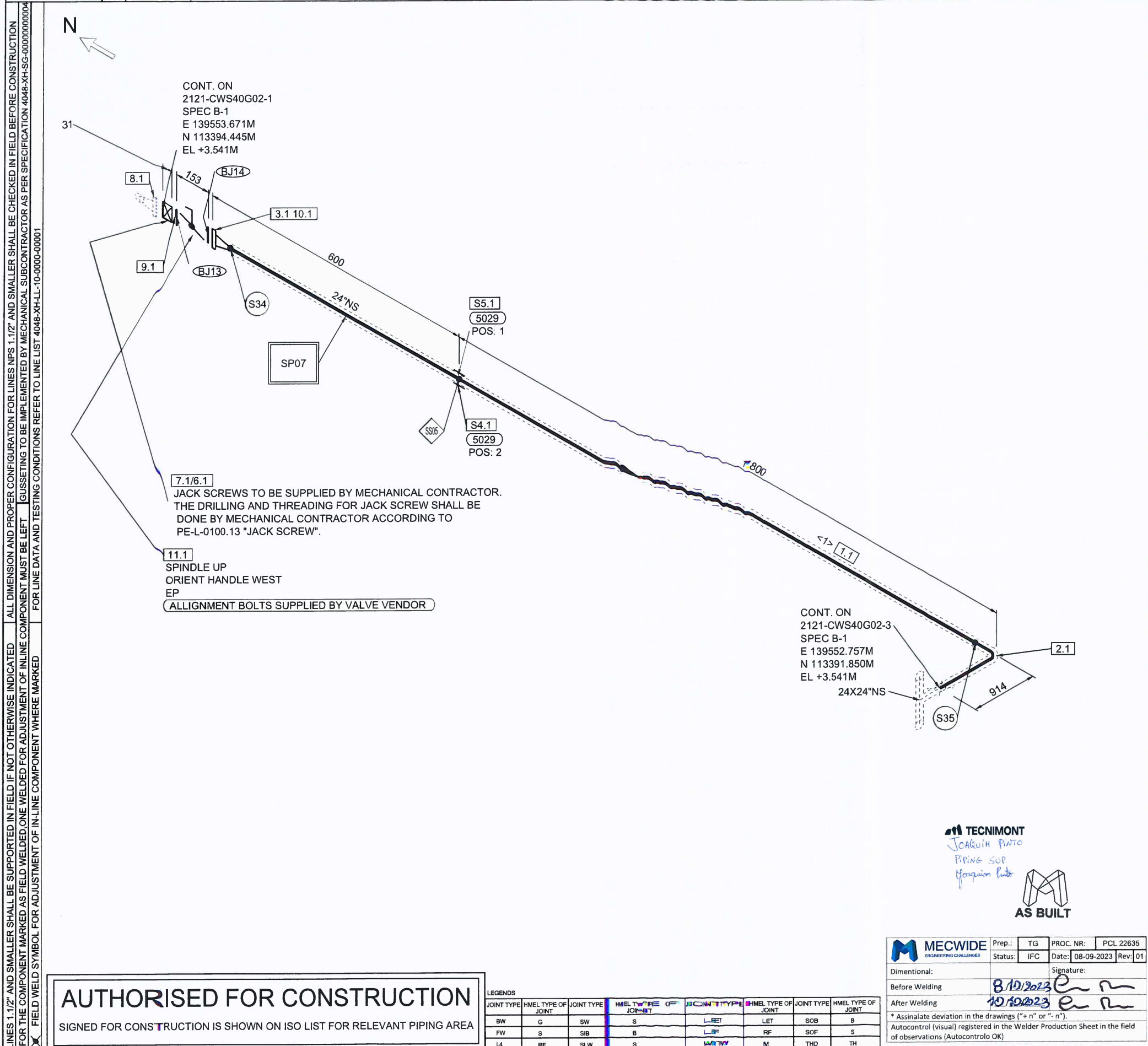
APPROVED by 3rd party or AI

Name: *DA Silva*
Date: *21/11/2023*
Sign: *DA Silva*
NoBo 1155 ☐ witnessed by

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	FLUID CODE: CWS						LINE DATA			
	PIPING MATERIAL CLASS						INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE
	E-1						P / 100	E	N	1
	P&ID No.						19-A-19-000-1-01-00001 sheet 37			
01	08-09-2023	ISSUED FOR CONSTRUCTION				TG	MW	TM		
REV	DATE	REVISION DESCRIPTION				DRAWN UP	CHKD UP	APPD		

		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		Job	ITEM	Area	N
				4274	XHDL	2121	CWS40G02-1
				UNIT	19	SHEET	2
				RE			
REFERENCES		E C T N		E C T N		E C T N	
PIPING ASSEMBLY DRAWING		19-L-19-000-2-00-86199 sheet 1		PIPING SUPPORT SPECIFICATION		XH-SG-00000002	
PIPING ISOMETRIC LIST		XH-LD-21210001		PIPING TYPICAL INSTALLATIONS		XH-SL-00000002	
				PIPING STANDARD SUPPORT SUMMARY		XH-LP-0	
				WELDING SPECIFICATION		XH-SW-0	



BILL OF MATERIALS				
FABRICATION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B124STD> (L-7806)	24	I117907	1.4 M
2	FITTINGS 90 LR ELBOW ASME B16.9 A23-WPB BE SMLS C01DC04V01 S-STD <90LA200F324STD> (L-7955)	24	I128581	1
3	FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R1524STD> (L-149)	24	I4067800	1
4	SUPPORTS WELDED BRACKET TO STRUCT. SB04 HEA180	24	5029	1
5	RESTING SHOE WELDED -C4A1 H = 150 L = 300	24	5029	1
6	MISCELLANEOUS COMPONENTS SPACER RING ASME B16.48 150# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL. REQ. S5 ASME B16.5 00501DC65004 <SPRA510F1A26> (L-SPR19)	24	I5393981	1

ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
7	FITTINGS BLIND DISC ASME B16.48 150# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL. REQ. S5 ASME B16.5 00401DC65004 NREQD <BLIA510F1A26> (L-BL119)	24	I5393957	1
8	GASKETS FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ009R1FC24> (L-NMG11)	24	I1169044	1
9	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G11/481/4> - 2 NUTS PER BOLT - 210 mm Length	1.1/4	I53438265	20
10	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G11/463/4> - 2 NUTS PER BOLT - 175 mm Length	1.1/4	I53438258	20
11	VALVES / IN-LINE ITEMS BUTTERFLY LUG VALVE API 609 150# EPDM LIN A216-WCB RFTBCSE DISC-CF8M , SHAFT-316 FL AP 609 GE ASME B16.5 V33IDC35S5B0 NREQD <N/A> (N/A)	24	I64945673	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)	LI
<1>	1329	24"	S34	S	24"	BW	BJ13	24"	1.1/4"	
			SS05	S	24"	FT	BJ14	24"	1.1/4"	
			S35	S	24"	BW				
INCH METER										
PIPE NS (IN)									CL LENGTH	
24									3.5	0

AUTHORISED FOR CONSTRUCTION
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
BW	G	SW	S	LET	LET	SOB	B
FW	S	SIB	B	RF	RF	SOF	S
L4	RF	SLW	S	M	THD	TH	

JOAQUIM PINTO
PIPING SUP.
Joaquim Pinto

ENGINEERING CHALLENGES
Prep.: TG
Status: IFC
Date: 08-09-2023
Rev: 01
PCL 22635
Signature:

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

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