

 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	
		Report n° IP-WSR-P-310-000030_RFI727 MOD-ITP-XL_220	
		RFI Nr.: 727	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000030_RFI727 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:


2121-VG40P10-3-SP05;2121-VG40P10-3-SP04;2121-VG40P10-3-SP03;2121-VG40P10-2-SP02;2121-VG40P10-1-SP01;2121-VG40P02-2-SP05;2121-VG40P02-2-SP04;2121-VG40P02-2-SP03;2121-VG40P02-2-SP02;2121-VG40P02-2-SP01;2121-HCM40C01-1-SP02;2121-HCM40C01-1-SP01;2121-ET40J11-1-SP01;2121-ET40F04-7-SP16;2121-ET40F04-7-SP15;2121-ET40F04-5-SP10;2121-ET40F04-5-SP09;2121-ET40F04-3-SP04;2121-ET40F04-10-SP12;2121-ET40F04-10-SP11;2121-ET40A07-5-SP09;2121-ET40A07-5-SP08;2121-ET40A07-3-SP06;2121-ET40A07-2-SP05;2121-CWS40G02-5-SP05;2121-CWS40G02-5-SP04;2121-CWS40G02-1-SP06;2121-CWR40B02-7-SP05;2121-CWR40B02-7-SP04

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  
 04/01/2024

  
 NoBo 1145  
 reviewed by  
 witnessed by  
 04/01/2024

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	04/01/2024	Patricia Teixeira	Patricia Teixeira		
CONTRACTOR	04/01/2024	JOAQUIM PINTO	Joaoquin Pinto		
COMPANY (Free)			Piping. SUP. TEM		



QC

Piping. SUP. TEM

# ISO Summary List

# 22635 / 1903  
 Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-CWS40G02-5** ✓

Revision **01**

Priority **6**

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

PED Category **III**
**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
C1	05	S24	BW 24" PIPE - A106-B BE SMLS ✓ 24x24" WN FLANGE ASME B16.5 150# A105N ✓	121	23301997 ✓	23503492	4 Electrodo - SBA0910262	MW.21_BW	09/10/2023	VT-I-043							
				39	19EE23 ✓	225263	5 Vareta - PUX1312824		S71								
C2	04	S19	BW 24x24" WN FLANGE ASME B16.5 150# A105N ✓ 24" 45 LR ELBOW ASME B16.9 A234-WPB BE ✓	39	19EE23 ✓	225263	4 Electrodo - SBA0910262	MW.21_BW	11/10/2023	VT-I-045		RT: RT-I-0171 ✓					
				366	915023 ✓	CE23002059_3.1_01	5 Vareta - PUX1312824		S71								
C3	04	S20	BW 24" 45 LR ELBOW ASME B16.9 A234-WPB BE ✓ 24" PIPE - A106-B BE SMLS ✓	366	915023 ✓	CE23002059_3.1_01	4 Electrodo - SBA0910262	MW.21_BW	11/10/2023	VT-I-045							
				121	23301997 ✓	23503492	5 Vareta - PUX1312824		S71								
C4	04	S21	BW 24" PIPE - A106-B BE SMLS ✓ 24x24" WN FLANGE ASME B16.5 150# A105N ✓	121	23301997 ✓	23503492	4 Electrodo - SBA0910262	MW.21_BW	10/10/2023	VT-I-044							
				39	19EE23 ✓	225263	5 Vareta - PUX1312824		S71								
C5	05	S22	BW 24x24" WN FLANGE ASME B16.5 150# A105N ✓ 24" 90 LR ELBOW ASME B16.9 A234-WPB BE ✓	39	19EE23 ✓	225263	4 Electrodo - SBA0910262	MW.21_BW	10/10/2023	VT-I-044							
				364	923011 ✓	CE23002057_3.1_01	5 Vareta - PUX1312824		S71								
C6	05	S23	BW 24" 90 LR ELBOW ASME B16.9 A234-WPB BE ✓ 24" PIPE - A106-B BE SMLS ✓	364	923011 ✓	CE23002057_3.1_01	4 Electrodo - SBA0910262	MW.21_BW	09/10/2023	VT-I-043							
				121	23301997 ✓	23503492	5 Vareta - PUX1312824		S71								

## 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: *04/01/2024*

Sign: *Patricia Teixeira*

QC

## APPROVED by Client

Name: **TECNIMONT**

Date: *L. Gomes*  
*NWI*

Sign: *[Signature]*
*04/01/2024*

## APPROVED by 3rd party or AI

Name: *[Signature]*

Date: *09/04/2024*

Sign: *[Signature]*
**SGS**  
 NoBo 1155 ☐ witnessed by





ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION FOR THE COMPONENTS TO BE WELDED. FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE WARNED FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4046-34-LL-10-0000-00001

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

IDENTIFICATION CODE			
Job	ECI	Atba	N
4274	XHDL	2121	CWS40G02
UNIT	19	SHEET	5 REV 01
PIPING ISOMETRIC			
PLANT: SINES INDUSTRIAL COMPLEX	CLIENT REF: REPSOL POLYMEROS		
PIPING ISOMETRIC LIST	PIPING SUPPORT SPECIFICATION	PIPING TYPICAL INSTALLATIONS	PIPING STANDARD SUPPORT SUMMARY
19-L-19-000-2-00-86198 sheet 2	XH-SG-000000002	XH-L-D-21210001	XH-LP-000000001

BILL OF MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B124STD> (L-7806)	24	I117907	6.2 M	
2	FITTINGS 45 LR ELBOW ASME B16.9 A234-WP8 BE SMLS C02DC04V01 S-STD <45LA200F324STD> (L-7956)	24	I202365	1	
3	90 LR ELBOW ASME B16.9 A234-WP8 BE SMLS C01DC04V01 S-STD <90LA200F324STD> (L-7955)	24	I128581	1	
4	FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R1524STD> (L-149)	24	I4067800	4	
5	MISCELLANEOUS COMPONENTS SPACER RING ASME B16.48 150# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL. REQ. S5 ASME B16.5 D0501DC65004 <SPRA510F1A26> (L-SPR19)	24	I5393981	1	

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
6	FITTINGS BLIND DISC ASME B16.48 150# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL. REQ. S5 ASME B16.5 D0401DC65004 NREQD <BLIA510F1A26> (L-BL119)	24	I5393957	1	
7	GASKETS FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ009R1FC24> (L-NMG11)	24	I1169044	4	
8	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G114634> - 2 NUTS PER BOLT - 175 mm Length	1.1/4	I53438258	40	
9	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G114614> - 2 NUTS PER BOLT - 210 mm Length	1.1/4	I53438265	20	

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>	2918	24"	S19	S	24"	BW	BJ06	24"	1.1/4"	175
<2>	3209	24"	S20	S	24"	BW	BJ07	24"	1.1/4"	175
			S21	S	24"	BW	BJ08	24"	1.1/4"	210
			S22	S	24"	BW				
			S23	S	24"	BW				
			S24	S	24"	BW				
INCH METER										
PIPE NS (IN)					CL LENGTH (M)					
24					9.5					
0					0					

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

JOINT TYPE	ISBL TYPE OF JOINT	JOINT TYPE	ISBL TYPE OF JOINT	JOINT TYPE	ISBL TYPE OF JOINT	JOINT TYPE	ISBL TYPE OF JOINT
BW	G	BW	B	LET	GOB	B	
FW	B	GB	B	LP	BOF	B	
LA	RF	BLW	B	MTW	THD	TH	

**MECWIDE** Prep: TG PROC. NR: PCL 22635  
Status: IFC Date: 08-09-2023 Rev: 01  
Signature: *[Signature]*  
Before Welding: 8/10/2023  
After Welding: 11/10/2023  
\* Assalate deviation in the drawings ("n" or "n")  
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)

JOAQUIM PINTO  
PIPING SUP. TEAM  
Joaquim Pinto 04/01/2024



6.1/5.1  
JACK SCREWS TO BE SUPPLIED BY MECHANICAL CONTRACTOR. THE DRILLING AND THREADING FOR JACK SCREW SHALL BE DONE BY MECHANICAL CONTRACTOR ACCORDING TO PE-L-0100.13 "JACK SCREW".

CONN. TO  
19-E-4002 A/C  
24"/n/RFFE/150  
E 139542.300M  
N 113385.106M  
EL +3.670M

