

 TECNIMONT Tecnimont S.p.A.	 REPSOL 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-310-000020_MOD-ITP-XL_220 RFI Nr.: 511 Date :	
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000020_RFI511 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:


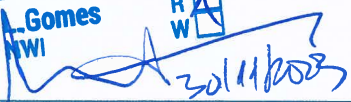

1211-FW68E21-3-SP02;1211-FW68E20-3-SP02;1211-FW68E19-3-SP01;1211-FW68E18-3-SP01;1211-FW68E17-4-SP02;1211-FW68E17-4-SP01;1211-FW68E05-3-SP03;1211-FW68E04-1-SP04;1211-FW68E04-1-SP03;1211-FW68B50-2-SP04;1211-FW68B50-2-SP03;1211-FW68B48-2-SP04;1211-FW68B48-2-SP03;2121-HPN91R01-3-SP05;2121-HPN91R01-3-SP04;1121-JWR43001-1-SP01;1121-CHWS61024-5-SP10;1121-CHWS61024-5-SP09;1121-CHWS61024-4-SP08;1121-CHWS61024-4-SP07;1121-BDL34016-1-SP01;1121-BDL23050-2-SP07;1121-BDL23050-2-SP06;1121-BDL23050-2-SP05;1121-BDL23050-2-SP04;1121-BDL23050-2-SP03;1121-BDL23050-1-SP02;1121-BDL23050-1-SP01;1111-PA01001-2-SP03;1111-N67003-1-SP03;1111-N67003-1-SP02;1111-N67003-1-SP01;1111-N01001-2-SP03;1121-N67061-8-SP01;1121-N67061-3-SP04;1121-N67061-3-SP03;1121-N67028-5-SP07;1121-LS63203-12-SP16;1121-LS63203-12-SP15;1121-LS63203-11-SP14;1121-LS63203-11-SP13;1121-LC63028-1-SP01;1111-BDL60038-2-SP03;1111-BDL60038-2-SP02;1111-BDL60038-1-SP01;1111-LS01001-14-SP23;1111-LS01001-12-SP24;2121-VG40R03-1-SP02;2121-VG40R03-1-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"

 Gomes NWI	 30/11/2023	 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	<table border="1"> <thead> <tr> <th>Date (DD-MMM-YYYY)</th> <th>Name</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>30/11/2023</td> <td>Patricia Texeira</td> <td>Patricia Texeira</td> </tr> <tr> <td>30/11/2023</td> <td>Lucio Gomes</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Date (DD-MMM-YYYY)	Name	Signature	30/11/2023	Patricia Texeira	Patricia Texeira	30/11/2023	Lucio Gomes							
Date (DD-MMM-YYYY)	Name	Signature															
30/11/2023	Patricia Texeira	Patricia Texeira															
30/11/2023	Lucio Gomes																



ISO Summary List

22635 / 1263

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VG40R03-1** ✓

Revision **00**

Priority **6**

Piping Size/Class **2-1C17**

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	02	S09	BW 2" PIPE - A106-B BE SMLS ✓ 2x2" WN FLANGE ASME B16.5 150# A105N RF ✓	16	23101884 ✓	23310545	5.Varela	MW.20_BW	24/08/2023	VT-I-010							
05	02	S06	BW 2" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 2" PIPE - A106-B BE SMLS ✓	36	70HC22 ✓	224878	PVX1312824	MW.20_BW	S71								
05				393	93 ✓	CE23002007_3.1_01	5.Varela		24/08/2023	VT-I-010		RT: RT-I-084					
05	02	S05	BW 2x2" WN FLANGE ASME B16.5 150# A105N RF ✓ 2" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓	16	23101884 ✓	23310545	PVX1312824	MW.20_BW	S71								
05				36	70HC22 ✓	224878	5.Varela		24/08/2023	VT-I-010							
07	01	S04	BW 2" PIPE - A106-B BE SMLS ✓ 2x2" WN FLANGE ASME B16.5 150# A105N RF ✓	16	23101884 ✓	23310545	5.Varela	MW.20_BW	24/08/2023	VT-I-010							
07				36	70HC22 ✓	224878	PVX1312824		S71								
08	01	S03	BW 2" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 2" PIPE - A106-B BE SMLS ✓	393	93 ✓	CE23002007_3.1_01	5.Varela	MW.20_BW	24/08/2023	VT-I-010							
08				16	23101884 ✓	23310545	PVX1312824		S71								
08	01	S02	BW 2" PIPE - A106-B BE SMLS ✓ 2" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓	16	23101884 ✓	23310545	5.Varela	MW.20_BW	24/08/2023	VT-I-010							
08				393	93 ✓	CE23002007_3.1_01	PVX1312824		S71								
10	01	S01	BW 2x2" WN FLANGE ASME B16.5 150# A105N RF ✓ 2" PIPE - A106-B BE SMLS ✓	36	70HC22 ✓	224878	5.Varela	MW.20_BW	24/08/2023	VT-I-010							
				16	23101884 ✓	23310545	PVX1312824		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: *22/11/2023*

Sign: *Patricia Teixeira*

APPROVED by Client

Name: **TECNIMONT**

Date: *L. Gomes*

Sign: *L. Gomes*

APPROVED by 3rd party or AI

Name:

Date:

Sign:



FLUID CODE: VG				LINE NO. 2"-VG-40R03-1C17			
PIPING	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.		
1C17	N / 0	E	N	1	19-A-19-000-1-01-00001 sheet 46		
REV	DATE	REVISION DESCRIPTION		DRAWN	CHKD	APP'D	
00	10-08-2023	ISSUED FOR CONSTRUCTION		TG	MW	TM	

PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		IDENTIFICATION CODE			
4274	XHDL	2121	VG40R03	UNIT	19	SHEET	1
REV	00						
PIPING ASSEMBLY DRAWING		PIPING SUPPORT SPECIFICATION		PIPING STANDARD SUPPORT SUMMARY		WELDING SPECIFICATION	
19-L-19-000-2-00-86137 sheet 2		XH-SG-00000002		XH-SL-00000002		XH-LP-00000001	
PIPING ISOMETRIC LIST		PIPING TYPICAL INSTALLATIONS		XH-SL-00000002		XH-SV-00000001	
XH-L-D-21210001							

BILL OF MATERIALS

FABRICATION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY. HOLD
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B12STD> (L-7806)	2	I117862	2.2 M
2	FITTINGS REDUCING SOCKLETT MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREGD <SOKA300LB01411> (L-343).	2X3/4	I7843411	1
3	45 LR ELBOW ASME B16.9 A234-WPB BE SMLS C02DC04V01 S-STD <45LA200F32STD> (L-7956).	2	I210283	2
4	FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R152STD> (L-149).	2	I5355795	4

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 G03GDP11S12 <N/A> (N/A)	2	I63508906	3
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	12
7	SUPPORTS STOP HORIZ VERT FOR NOT INS. PIPING-N1F1	2	117	1
8	U BOLT (FOR GUIDE)-P02D	2	117	1
9	WELDED BRACKET TO STRUCT. SB01 L100X100X10	2	117	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)
<1>	598	2"	S01	S	2"	BW	BJ01	2"
<2>	656	2"	S02	S	2"	BW	BJ02	2"
<3>	938	2"	S03	S	2"	BW	BJ03	2"
			S04	S	2"	BW		
			S05	S	2"	BW		
			S06	S	2"	BW		
			S07	S	3/4"	OL		
			F08	F	3/4"	SW		
			SF01	F	2"	FT		
			S09	S	2"	BW		

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	BB	S	LET	LET	BOB	S		
FW	S	BB	S	LP	RF	BOF	S		
LA	RF	BLW	S	MTW	M	THD	TH		

TECNIMONT
JOAQUIM RATO
PIPING SUP
Joaoquin Rato
AS BUILT

M	MECOWIDE	Prep:	TG	PROC. NR:	PCL 22635
		Status:	IPC	Date:	10-08-2023
		Signature:		Rev:	00
Before Welding: 23/8/2023					
After Welding: 24/8/2023					
* Assimilate deviation in the drawings ("n" or "n")					
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations Autocontrol OK					

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

ISOMETRIC NO. 4274-SP-XH-DL-2121-VG40R03-1-IS00

SPOOLING REV NO. 00

SHEET NO. 1 OF 1