

 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-310-000012_MOD-ITP-XL_220 RFI Nr.: 325 Date :	
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000012 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2211-VRG50A08-3-SP04;2211-VRG50A08-3-SP02;2211-VRG50A08-3-SP03;2211-VRG50A08-3-SP01;1121-HCM31015-7-SP01;1121-HCM24069-3-SP15;1121-HCM23060-1-SP02;1121-HCM23060-1-SP01;2211-VRG50A01-2-SP02;2211-VRG50A01-2-SP01;2121-VRG41B09-3-SP13;2121-VRG41B09-3-SP12;2121-VRG41B09-2-SP11;2121-VRG41B09-2-SP10;2121-ET40J06-1-SP02;2121-ET40J06-1-SP01;2121-ET40F05-4-SP07;2121-ET40F05-3-SP06;2121-ET40F05-3-SP05;2121-ET40F05-2-SP04;2121-ET40F05-1-SP03;2121-ET40F05-1-SP02;2121-ET40F05-1-SP01;2121-CWR40B02-8-SP10;2121-COM40A01-4-SP07;2121-COM40A01-2-SP02;1121-PR50010-2-SP06;1121-PR50010-2-SP05;1121-PR50010-2-SP04;2121-HXE10C36-1-SP04;2121-HXE10C36-1-SP03;2121-HXE10C36-1-SP02;2121-HXE10C36-1-SP01;2121-ET40S05-1-SP02;2121-ET40S05-1-SP01;1121-PR35013-2-SP06;1121-PR35013-2-SP05;1121-PR34024-1-SP01;1121-PR43040-1-SP01;1121-PR35019-1-SP03;1121-PR35019-1-SP02;1121-PR35019-1-SP01;1121-LS24013-1-SP01;1121-HCM24068-1-SP02;1121-HCM24068-1-SP01;1121-HCM24067-2-SP02;1121-HCM24067-2-SP01;1121-HCM24067-1-SP05;1121-HCM24067-1-SP04;1121-HCM24067-1-SP03;1121-ET40007-1-SP01;1121-CHWR21008-1-SP03;1121-BDL34018-2-SP04;1121-BDL34018-2-SP03;7111-ET20C01-6-SP12;7111-ET20C01-6-SP11;1111-PR24033-2-SP02;1111-PR24033-2-SP01

Joãozinho Pinto
 PIPING SUP. TEM
 Joãozinho Pinto 30/10/2023

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"

SGS
 30/10/2023
 reviewed by
 witnessed by

TECNIMONT
 L. Gomes
 NWI
 30/10/2023
 R 1
 W 1


Signature


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	30/10/2023	Frederico Gomes			
COMPANY					
(Free)					


Sheet 01/01

2211-VRG50A08-3-SP04;2211-VRG50A08-3-SP02;2211-VRG50A08-3-SP03;2211-VRG50A08-3-SP01;1121-HCM31015-7-SP01;1121-HCM24069-3-SP15;1121-HCM23060-1-SP02;1121-HCM23060-1-SP01;2211-VRG50A01-2-SP02;2211-VRG50A01-2-SP01;2211-VRG41B09-3-SP13;2121-VRG41B09-3-SP12;2121-VRG41B09-2-SP11;2121-VRG41B09-2-SP10;2121-ET40J06-1-SP02;2121-ET40J06-1-SP01;2121-ET40F05-4-SP07;2121-ET40F05-3-SP06;2121-ET40F05-3-SP05;2121-ET40F05-2-SP04;2121-ET40F05-1-SP03;2121-ET40F05-1-SP02;2121-ET40F05-1-SP01;2121-CWR40B02-8-SP10;2121-COM40A01-4-SP07;2121-COM40A01-2-SP02;1121-PR50010-2-SP06;1121-PR50010-2-SP05;1121-PR50010-2-SP04;2121-HXE10C36-1-SP04;2121-HXE10C36-1-SP03;2121-HXE10C36-1-SP02;2121-HXE10C36-1-SP01;2121-ET40S05-1-SP02;2121-ET40S05-1-SP01;1121-PR35013-2-SP06;1121-PR35013-2-SP05;1121-PR34024-1-SP01;1121-PR34040-1-SP01;1121-PR35019-1-SP03;1121-PR35019-1-SP02;1121-PR35019-1-SP01;1121-LS24013-1-SP01;1121-HCM24068-1-SP02;1121-HCM24068-1-SP01;1121-HCM24067-2-SP02;1121-HCM24067-2-SP01;1121-HCM24067-1-SP05;1121-HCM24067-1-SP04;1121-HCM24067-1-SP03;1121-ET40007-1-SP01;1121-CHWR21008-1-SP03;1121-BDL34018-2-SP04;1121-BDL34018-2-SP03;7111-ET20C01-6-SP12;7111-ET20C01-6-SP11;1111-PR24033-2-SP02;1111-PR24033-2-SP01.



[illegible]


 Reviewed by _____
 Attended by _____
 Date 30/10/2023


TECNIMONT
L. Gomes
NW1
20/6/2003
R 1
W ☐



TECNIMONT
JOAQUIM PINTO
PIPING SUP.
Joaquim Pinto

	Date (DD-MMM-YYYY)	Name	Signature
SUBCONTRACTOR	30/10/2023	Enaysha Nunda	
CONTRACTOR	30/10/2023	Luís Barros	
COMPANY			
(Free)			

ISO Summary List

22635 / 1322

Page 1

Client **TECNIMONT/REPSOL**
Local **Portugal**

Job # **22635**
Project **4274 ALBA-I007 Piping Fabrication**

% RT/UT
% PT/MT

ISO # **2121-COM40A01-2**
Piping Size/Class **2-1E21**

Revision **00**
PED Category **II**

Priority **6**
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	Repair 1	Repair 2
01	02	S14	BW	2" PIPE - A106-B BE SMLS ✓ 2x1" ECCENTRIC SWAGE MSS SP-95 - A234-W ✓	16 ✓ 427 ✓	23101884 ✓ CE/2023/79	5.Varela PVX1312824	MW.20_BW	29/08/2023 S71	VT-I-013 ✓		RT: RT-I-0102 ✓					
03	02	S13	BW	2x2" WN FLANGE ASME B16.5 300# A105N RF ✓ 2" PIPE - A106-B BE SMLS ✓	39 ✓ 16 ✓	B8AV0 ✓ 23101884 ✓	5.Varela PVX1312824	MW.20_BW	29/08/2023 S71	VT-I-013 ✓							



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: *Patricio Teixeira*
Date: *25/10/2023*
Sign: *Patricio Teixeira*
QC

APPROVED by Client

Name: 
Date: *L. Gomes*
Sign: *L. Gomes*
25/10/2023

APPROVED by 3rd party or AI

Name: *S. D. Amaral*
Date: *30/10/2023*
Sign: *S. D. Amaral*

REPSOL										LINE DATA										TECNIMONT										PIPING ISOMETRIC										IDENTIFICATION CODE																																																																																																													
FLUID CODE: COM										LINE NO. 2"-COM-40A01-1E21										PLANT: SINES INDUSTRIAL COMPLEX										CLIENT REF: REPSOL POLYMEROS										Job 4274										Area 2121										COM40A01																																																																																									
PIPING MATERIAL CLASS										INSULATION										WELD CLASS										HEAT TREATMENT										PAINTING CODE										P&ID No.										UNIT 19										SHEET 2										REV 00																																																																					
ISSUED FOR CONSTRUCTION										TG MW TM										1E21										N / 0										E										N										1										19-A-19-000-1-01-00001 sheet 28										E C T N										E C T N										E C T N										E C T N																																							
REV DATE										REVISION DESCRIPTION										DRAWN UP										CHKD UP										APP'D										1E21										N / 0										E										N										1										19-A-19-000-1-01-00001 sheet 28										E C T N										E C T N										E C T N										E C T N									

19 FT 4004

2.1 2X1"NS 13MM OFFSET

4.1 6.1 8.1

181

440

6.2 8.2

BJ04

F15

BJ03

S14

128

<1> 1.1

S11.1 419 POS: 2

405

2"NS

3.1 5.2 7.2

216

BJ01

BJ02

S13

SP02

9.1

19 HV 4005

5.1 7.1

CONT. ON 2121-COM40A01-1 SPEC 1E21 E 139518.133M N 113400.850M EL +8.630M

CONT. ON 2121-COM40A01-8 SPEC 1E21 E 139519.518M N 113400.850M EL +8.617M

BILL OF 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	0.5 M	
2	FITTINGS ECCENTRIC SWAGE MSS SP-95 - A234-WPB BE PE SMLS SCH1-STD SCH2-XS 2X1 R22FQC04VZ15 <ESWA010GR14151216> (L-ESW27).		I920266	1	
3	FLANGES WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R352STD> (L-236).	2	I5355797	1	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
4	FLANGES SW FLANGE ASME B16.5 300# A 05N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS <SWFA300R351XS> (L-375).	1	I4217823	1	
5	GASKETS SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP1S12 <N/A> (N/A)	2	I63508961	2	
6	GASKETS SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP1S12 <N/A> (N/A)	1	I63508951	2	
7	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length	5/8	I53437440	16	
8	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/4> - 2 NUTS PER BOLT - 80 mm Length	5/8	I53437418	8	
9	INSTRUMENTS INSTRUMENT COMPONENT 19H/4005	2		1	
10	INSTRUMENTS INSTRUMENT COMPONENT 19F/4004	1		1	
11	SUPPORTS STAKES SUPPORTS ST02 L100X100X10	2	419	1	
12	SUPPORTS STANDARD GUIDE FOR NOT INS. PIPING-N1G1	2	419	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>	461	2"	S13	S	2"	BW	BJ01	2"	5/8"	90
			S14	S	2"	BW	BJ02	2"	5/8"	90
			F15	F	1"	SW	BJ03	1"	5/8"	80
							BJ04	1"	5/8"	80

INCH METER

PIPE NS (IN)	CL LENGTH (M)
2	1.0
1	0.4

ISOMETRIC NO. 4274-SP-XH-DL-2121-COM40A01-2-IS00

SPOOLING REV NO. 00

AUTHORISED FOR CONSTRUCTION

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

JOINT TYPE	HMEL TYPE OF JOINT	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	LF	RF	SOF	S		
LA	RF	SLW	S	MTW	M	THD	TH		

MEC WIDE	Prep.: TG	PROC. NR: PCL 22635
	Status: IFC	Date: 23-08-2023 Rev: 00
Dimensional:	Signature:	
Before Welding	28/8/2023	
After Welding	29/8/2023	
* Assinalate deviation in the drawings ("+" or "-").		
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)		

TECNIMONT
Joaquim Pinto
PIPING SUP
Joaquim Pinto
AS BUILT

Notes: 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