

 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-310-000024_RFI545 MOD-ITP-XL_220 RFI Nr.: 545 Date :	
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000024_RFI545 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

7111-PR52A04-3-SP08;7111-PR52A04-3-SP07;7111-PR52A04-3-SP06;7111-PR52A04-1-SP02;7111-PR52A04-1-SP01;7111-HCM52D01-9-SP26;7111-HCM52D01-9-SP25;7111-HCM52D01-11-SP28;7111-HCM52D01-11-SP27;7111-HCM50E01-3-SP07;7111-HCM50E01-3-SP06;7111-HCM50E01-3-SP05;7111-FL52A07-2-SP04;7111-FL52A07-2-SP03;7111-FL52A07-2-SP02;2211-CWR40B02-2-SP02;2121-VRG41B13-2-SP04;2121-VRG41B13-2-SP03;2121-VRG41B13-2-SP02;2121-HXE10C36-2-SP06;2121-HXE10C36-2-SP05;2121-ET40S05-2-SP03;2121-ET40F05-6-SP11;2121-ET40F05-6-SP10;2121-ET40F05-5-SP08;2121-ET40F04-6-SP18;2121-ET40F04-6-SP17;2121-ET40F04-11-SP06;2121-ET40F04-11-SP05;2121-COM40A01-1-SP01;1121-PR43049-2-SP04;1121-PR43049-2-SP03;1121-PR43049-2-SP02;1121-PR43049-2-SP01;1121-PR34022-1-SP09;1121-PR34022-1-SP08;1121-PR33019-7-SP01;1121-PR22015-4-SP09;1121-PR22015-3-SP08;1121-PR22015-3-SP07;1121-PR22015-1-SP04;1121-PR22015-1-SP03;1121-PR22015-1-SP02;1121-PR22015-1-SP01;1121-JWS24011-1-SP02;1121-JWS24011-1-SP01;1121-JWR24006-2-SP04;1121-JWR24006-2-SP03;1121-JWR24006-1-SP02;1121-JWR24006-1-SP01;1121-HCM40001-1-SP02;1121-HCM40001-1-SP01;1121-HCM31018-2-SP02;1121-HCM31018-2-SP01;1121-HCM24089-3-SP05;1121-HCM24089-3-SP04;1121-HCM23046-2-SP06;1121-CHWS24002-4-SP06;1121-CHWS24002-3-SP05;1121-CHWS24002-3-SP04;1121-CHWS24002-3-SP03;1121-CHWR43010-1-SP03;1121-CHWR43010-1-SP02;1121-CHWR43010-1-SP01;1121-CHWR24003-1-SP02;1121-CHWR24003-1-SP01;1111-FL60004-2-SP03;1111-BDL51015-2-SP02

JOAQUIM PINTO
PIPING Sp. TEL
Joaquim Pinto 06/12/2023

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"

TECNIMONT
L. Gomes
NW1

Patricia Teixeira

SGS
NoBo 1155
06/12/2023

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	06/12/2023	Patricia Teixeira	Patricia Teixeira	
CONTRACTOR	06/12/2023	Luis Gomes		
COMPANY				
(Free)				

ISO Summary List

22635 / 1799

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VRG41B13-2** ✓

Revision **00**

Priority **6**

Piping Size/Class **3-C-42**

PED Category **II**
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	S15	BW 3" PIPE - A333-6 BE SMLS ✓ 3" PIPE - A333-6 BE SMLS ✓	125	23102062 ✓	23503488	6.Varela F	MW.23_BW	06/10/2023 S71	VT-I-042							
03	02	S13	BW 3" PIPE - A333-6 BE SMLS ✓ 3" 45 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	125	23102062 ✓	23503488	6.Varela F	MW.23_BW	06/10/2023 S71	VT-I-042							
04	02	S12	BW 3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓ 3" PIPE - A333-6 BE SMLS ✓	349	793850 ✓	CE23002072_3_1_01	6.Varela F	MW.23_BW	06/10/2023 S71	VT-I-042							
06	02	S10	BW 3x3" WN FLANGE ASME B16.5 300# A350-LF2 ✓ 3" PIPE - A333-6 BE SMLS ✓	523	70HC22 ✓	225784	6.Varela F	MW.23_BW	06/10/2023 S71	VT-I-042							
07	02	S11	BW 3" PIPE - A333-6 BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	125	23102062 ✓	23503488	6.Varela F	MW.23_BW	06/10/2023 S71	VT-I-042							
08	03	S19	BW 3" PIPE - A333-6 BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	125	23102062 ✓	23503488	6.Varela F	MW.23_BW	06/10/2023 S71	VT-I-042							
10	04	S21	BW 3" PIPE - A333-6 BE SMLS ✓ 3" 45 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	125	23102062 ✓	23503488	6.Varela F	MW.23_BW	06/10/2023 S71	VT-I-042							
11	04	S22	BW 3" 45 LR ELBOW ASME B16.9 A420-WPL6 BE ✓ 3" PIPE - A333-6 BE SMLS ✓	379	710022 ✓	CE23002072_3_1_01	6.Varela F	MW.23_BW	06/10/2023 S71	VT-I-042							
12	04	S23	BW 3" PIPE - A333-6 BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	125	23102062 ✓	23503488	6.Varela F	MW.23_BW	06/10/2023 S71	VT-I-042							
13	04	S24	BW 3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓ 3x3" WN FLANGE ASME B16.5 300# A350-LF2 ✓	349	793850 ✓	CE23002033_3_1_01	6.Varela F	MW.23_BW	06/10/2023 S71	VT-I-042							

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: *05/12/2023*

Sign: *Patricia Teixeira*

APPROVED by Client

Name: **TECNIMONT**

Date: *L. Gomes*

Sign: *L. Gomes*

APPROVED by 3rd party or AI

Name: *SGS*

Date: *06/12/2023*

Sign: *SGS*

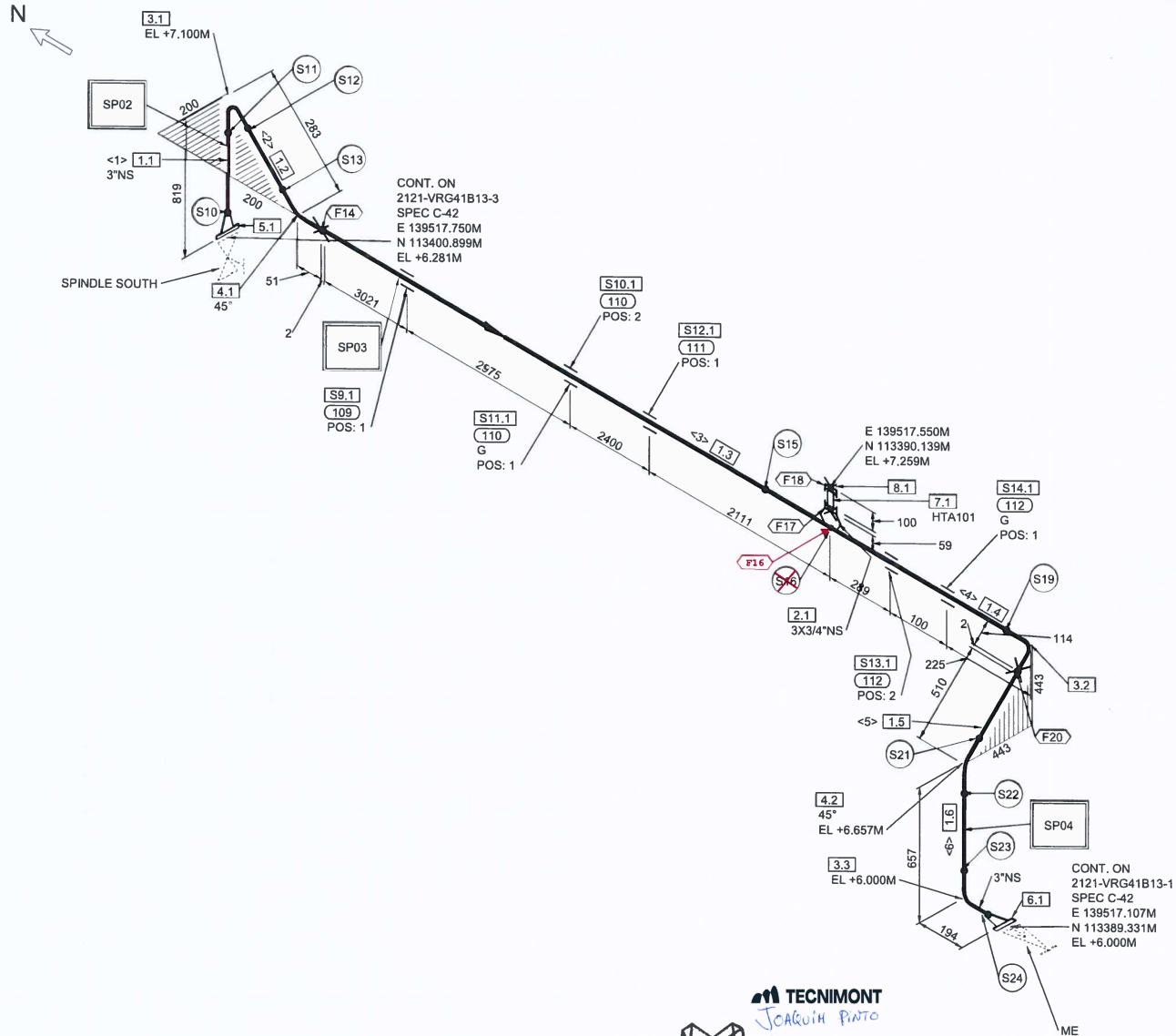


REPSOL

ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION FOR THE COMPONENT MARKED AS FIELD WELDED. ONE WELDED FOR ADJUSTMENT OF IN-LINE COMPONENT MUST BE LEFT. GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 4048-XH-SG-0000000004. FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-L1-10-0000-000001.

						LINE DATA					
						FLUID CODE: VRG			LINE NO. 3"-VRG-41B13-C-42		
						PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.
00	06-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM	C-42	N / O	M	N	1	19-A-19-000-1-01-00001 sheet 53
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D						

PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		IDENTIFICATION CODE			
				Job	TEC	Area	N
				4274	XHDL	2121	VRG41B13
UNIT	19	SHEET	2	REV	00		
PIPING SUPPORT SPECIFICATION		PIPING TYPICAL INSTALLATIONS		PIPING STANDARD SUPPORT SUMMARY			
19-L-19-000-2-00-86197 sheet 2		XH-LD-21210001		XH-SG-000000002		XH-LP-000000001	
PIPING ISOMETRIC LIST				WELDING SPECIFICATION		XH-SW-000000000	



BILL OF MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE - A333-6 BE SMLS T01AC22V02 S-STD <PIPL020B13STD> (L-8199)	3	I146278	12.7 M	
2	FITTINGS REDUCING SOCKLETT MSS-SP-97 3000# A350-LF2 Class 1 BE SWE - R13DNC07V101 NREQD <SOKL300LB01511> (L-7906)	3X3/4	I368227	1	
3	90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-STD <90LL210F33STD> (L-7966)	3	I213645	3	
4	45 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C02DC09V01 S-STD <45LL210F33STD> (L-7969)	3	I213660	2	
5	FLANGES WN FLANGE ASME B16.5 300# A350-LF2 Class 1 RFFE BE 125 - 250 AARR F01CFC07BV05 S-STD <WNFL300R353STD> (L-7981)	3	I219622	1	
6	WN FLANGE ASME B16.5 300# A350-LF2 Class 1 RFFE BE 125 - 250 AARR F01CFC07BV05 S-STD <WNFL300R353STD> (L-7981).	3	I219622	1	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
7	FITTINGS NIPPLE - A333-6 PE MTE SMLS LENGTH 100mm R03AQ22ZV04 S-160 <ANTOL020E1110324> (L-9261)	3/4	I2503089	1	
8	CAP ASME B16.11 3000# A350-LF2 Class 1 FTE NREQD - R41FNC07Z001 NREQD <CATL300KBK34> (L-7902)	3/4	I118032	1	
9	SUPPORTS VERT. TRESTLES WELDED TO STR TR31 L100X100X10	3	109	1	
10	VERTICAL STAKES WELDED TO STR. ST48 HEAT100	3	110	1	
11	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	110	1	
12	VERT. TRESTLES WELDED TO STR TR31 L100X100X10	3	111	1	
13	VERT. TRESTLES WELDED TO STR TR31 L100X100X10	3	112	1	
14	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	112	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>	621	3"	S10	S	3"	BW				
<2>	114	3"	S11	S	3"	BW				
<3>	10097.0007	3"	S12	S	3"	BW				
<4>	1006	3"	S13	S	3"	BW				
<5>	558	3"	F14	F	3"	BW				
<6>	488	3"	S15	S	3"	BW				
			F16	F	3/4"	OL				
			F17	F	3/4"	SW				
			F18	F	3/4"	THD				
			S19	S	3"	BW				
			F20	F	3"	BW				
			S21	S	3"	BW				
			S22	S	3"	BW				
			S23	S	3"	BW				
			S24	S	3"	BW				
INCH METER										
PIPE NS (IN)					CL LENGTH (M)					
3					14.8					
0.75					0.1					

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

JOINT TYPE	HAMEL TYPE OF JOINT	HAMEL TYPE OF JOINT	JOINT TYPE	HAMEL TYPE OF JOINT	JOINT TYPE	HAMEL TYPE OF JOINT	JOINT TYPE	HAMEL TYPE OF JOINT
DW	G	SW	S	LET	SOB	B		
PW	B	SB	B	LF	RF	SOF	S	
LA	RF	SLW	S	MTW	M	THD	TH	

MECWISE Prep. TG PROC. NR. PCL 22635
Status IFC Date 06-09-2023 Rev 00
Dimensional: Before Welding 5/10/2023
After Welding 6/10/2023
* Assinilate deviation in the drawings (* n. or * n")
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)

TECNIMONT
Joaoquin Pinto
PIPING SUP
Joaoquin Pinto
AS BUILT

1 DENOTES PARTS LIST NO
PIPE A = RESTING SUPPORT G = GUIDE F = AXIAL RESTRAINT B = GUIDE + STOP M = SPRING
SUPPORT 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