

 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-310-000022_MOD-ITP-XL_220 RFI Nr.: 554 Date :	
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000022 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:




2121-FL41C01-3-SP05;2121-FL41C01-3-SP04;2121-FL41B02-2-SP05;2121-FL41B02-2-SP04;2121-FL41B02-2-SP03;2121-FL41B02-1-SP02;2121-FL41B02-1-SP01;2121-FL41A01-3-SP04;2121-FL41A01-3-SP03;2121-CWS91J51-1-SP01;2121-VA40E02-3-SP04;2121-VA40E02-3-SP03;2121-VA40E02-2-SP02;2121-VA40E02-1-SP01;2121-VA40E01-3-SP04;2121-VA40E01-3-SP03;2121-VA40E01-2-SP02;2121-VA40E01-1-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"

 L. Gomes NWI		 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
	Date [DD-MMM-YYYY]	Name	Signature	
SUBCONTRACTOR	30/11/2023	Patricia Texeira	Patricia Texeira	
CONTRACTOR	30/11/2023	Luis Gomes	Luis Gomes	
COMPANY				
(Free)				

# ISO Summary List

# 22635 / 1780  
Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-FL41B02-2** ✓

Revision **00**

Priority **6**

Piping Size/Class **3-B32S1**

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	03	S09	BW 3" PIPE - A333-6 BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	125	23102062	23503488	6.Vareta F	MW.23_BW	10/10/2023	VT-I-044							
				349	793850	CE23002033_3.1_01	PVX2210111		B371								
03	03	S08	BW 3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓ 3" PIPE - A333-6 BE SMLS ✓	125	23102062	23503488	6.Vareta F	MW.23_BW	10/10/2023	VT-I-044							
				349	793850	CE23002033_3.1_01	PVX2210111		B371								
04	05	S17	BW 3" PIPE - A333-6 BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	125	23102062	23503488	6.Vareta F	MW.23_BW	09/10/2023	VT-I-043							
				349	793850	CE23002033_3.1_01	PVX2210111		B371								
06	04	S11	BW 3" PIPE - A333-6 BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	125	23102062	23503488	6.Vareta F	MW.23_BW	10/10/2023	VT-I-044							
				349	793850	CE23002033_3.1_01	PVX2210111		B371								
07	04	S12	BW 3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓ 3" PIPE - A333-6 BE SMLS ✓	125	23102062	23503488	6.Vareta F	MW.23_BW	10/10/2023	VT-I-044							
				349	793850	CE23002033_3.1_01	PVX2210111		B371								
08	04	S13	BW 3" PIPE - A333-6 BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	125	23102062	23503488	6.Vareta F	MW.23_BW	10/10/2023	VT-I-044		RT: RT-I-0224					
				349	793850	CE23002033_3.1_01	PVX2210111		B371								
10	05	S15	BW 3" PIPE - A333-6 BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	125	23102062	23503488	6.Vareta F	MW.23_BW	09/10/2023	VT-I-043							
				349	793850	CE23002033_3.1_01	PVX2210111		B371								
11	05	S16	BW 3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓ 3" PIPE - A333-6 BE SMLS ✓	125	23102062	23503488	6.Vareta F	MW.23_BW	09/10/2023	VT-I-043							
				349	793850	CE23002033_3.1_01	PVX2210111		B371								
12	03	S07	BW 3" PIPE - A333-6 BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	125	23102062	23503488	6.Vareta F	MW.23_BW	10/10/2023	VT-I-044							
				349	793850	CE23002033_3.1_01	PVX2210111		B371								

## 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 Texeira*

Date: *30/11/2023*

Sign: *Patricia Texeira*

## APPROVED by Client

Name: **TECNIMONT**

Date: *L.Gomes*

Sign: *L.Gomes*

## APPROVED by 3rd party or AI

Name:


Date:

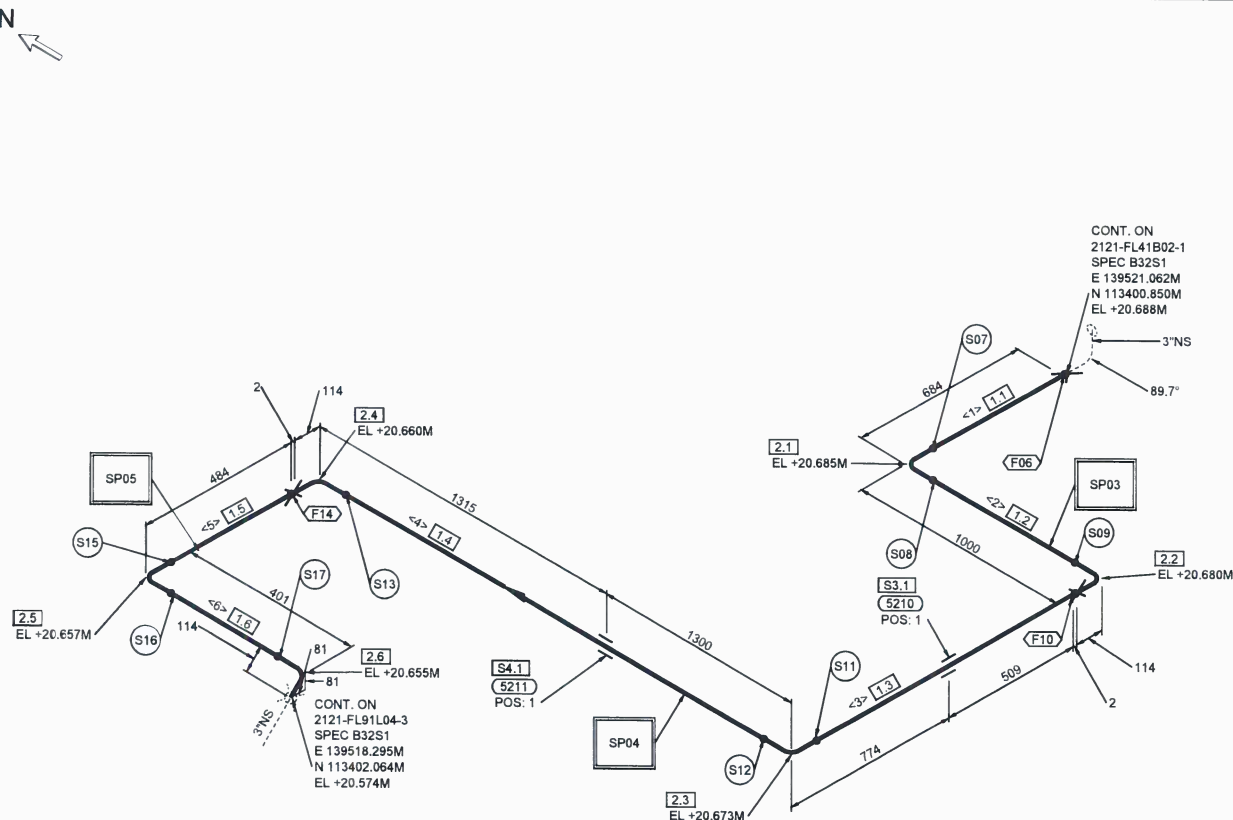
Sign:

*30/11/2023*



					LINE DATA								
					FLUID CODE: FL			LINE NO 3"-FL-41B02-B32S1					
					PIPING MATERIAL CLASS		INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.		
00	06-09-2023	ISSUED FOR CONSTRUCTION			TG	MVV	TM	B32S1	N / 0	M	N	1	19-A-19-0001-01-00001 sheet 5 of 5
REV	DATE	REVISION DESCRIPTION			DRAWN UP	CHKD UP	APPD	B32S1	N / 0	M	N	1	19-A-19-0001-01-00001 sheet 5 of 5

 <b>Technimont</b>		PIPING ISOMETRIC		IDENTIFICATION CODE			
				Job	Elc	Area	N
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMERS		4274	XHDL	2121	FL41B02
				UNITA	19 SHEET		2 REV 00
REFERENCES	PIPING ASSEMBLY DATA	E C N IS-15-0000-200-8619 sheet 1	PIPING SUPPORT SPECIFICATION	E C N IS-SG-00000002	PIPING STANDARD SUPPORT SUMMARY		E C N XH-P-00000001
	PIPING ISOMETRIC LIST	E C N XH-LD-21210001	PIPING TYPICAL INSTALLATIONS	E C N XH-SL-00000002	WELDING SPECIFICATION		E C N XH-SW-00000001



## BILL OF MATERIALS

FABRICATION MATERIALS					
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE PIPE - A333-6 BE SMLS T01AC22V02 S-STD <PIPL020B13STD> (L-8199)	3	I146278	5.5 M	
2	FITTINGS 90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-STD <90LL210F33STD> (L-7966)	3	I213645	6	

[illegible]

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
3	SUPPORTS VERTICAL STAKES WELDED TO STR. ST42 L100X100X10	3	5210	1	
4	VERTICAL STAKES WELDED TO STR. ST42 L100X100X10	3	5211	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>	<del>555</del> 568	3"	F06	F	3"	BW				
<2>	767	3"	S07	S	3"	BW				
<3>	1169	3"	S08	S	3"	BW				
<4>	2383	3"	S09	S	3"	BW				
<5>	367	3"	F10	F	3"	BW				
<6>	169	3"	S11	S	3"	BW				
			S12	S	3"	BW				
			S13	S	3"	BW				
			F14	F	3"	BW				
			S15	S	3"	BW				
			S16	S	3"	BW				
			S17	S	3"	BW				

[illegible][illegible]

AUTHORISED FOR CONSTRUCTION

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



JOAQUIM PINTO

PIPING SUP.

Moquiminto

9-7-11

into

**AS BUILT**

<b>MECwide</b>	Prep.: TG	PROC. NR:	PCL 22635
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Conf. Info. Index		Status:	IFC	Date:	06-09-2023	Rev:	00
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Dimensional:	Signature:
Before Welding:	

Before Welding	8/10/2023	5
After Welding	10/10/2023	5

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

Autocontrol (visual) registered in the Welder Production Sheet in the field

of observations (Autocontrol OK)

#### REAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP)

PROJECT - ALBA PROJECT

This document is Technimont's property, and cannot be used by others for any purpose without prior written consent.

<p> <b>LINE 1, 1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED</b>  <b>FOR THE COMPONENT MARKED AS FIELD WELDED; ONE WELDED FOR ADJUSTMENT OF IN-LINE</b>  <b>FIELD WELD SYMBOL FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE MARKED</b> </p>	<p> <b>ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.125 AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION</b>  <b>FOR THE COMPONENT MARKED AS FIELD WELDED; ONE WELDED FOR ADJUSTMENT OF IN-LINE COMPONENT MUST BE LEFT</b>  <b>FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4046-304-L-10-0000-00001</b> </p>
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Notes	1 DENOTES PARTS LIST NO	PIPE SUPPORT	A = RESTING SUPPORT	G = GUIDE	F = AXIAL RESTRAINT	B = GUIDE + STOP	M = SPRING	PROJECT: LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) FOR PROJECT - ALBA PROJECT
	WHERE A WITHOUT NUMBERING IS INDICATED THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE							

ISOMETRIC NO. 4274-SP-XH-DL-2121-FL41B02-2-IS00

SPOOLING REV NO 00

SHEET NO. 1 OF 1