

 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	oc
CONTRACTOR	30/11/2023	Luis Santos	Luis Santos	
COMPANY				
(Free)				

# ISO Summary List

# 22635 / 1793

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VA40E02-1**

Revision **00**

Priority **6**

Piping Size/Class **3-B32S1**

PED Category **Art 4.3**
**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	S05	BW	3" PIPE - A333-6 BE SMLS	125	23102062	23503488	6 Varela F	MW.23_BW	10/10/2023	VT-I-044							
			3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE	349	793850	CE23002033_3 1_01	PVX2210111		S08								
02	S04	BW	3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE	349	793850	CE23002033_3 1_01	6 Varela F	MW.23_BW	10/10/2023	VT-I-044							
			3" PIPE - A333-6 BE SMLS	125	23102062	23503488	PVX2210111		S08								
03	S03	BW	3" PIPE - A333-6 BE SMLS	125	23102062	23503488	6 Varela F	MW.23_BW	10/10/2023	VT-I-044							
			3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE	349	793850	CE23002033_3 1_01	PVX2210111		S08								
05	S02	BW	3x2" ECCENTRIC REDUCER ASME B16.9 A420-	89	712411	CE23005051_3 1_01	6 Varela F	MW.23_BW	10/10/2023	VT-I-044							
			3" PIPE - A333-6 BE SMLS	125	23102062	23503488	PVX2210111		S08								
06	S01	BW	2x2" WN FLANGE ASME B16.5 150# A350-LF2	36	70HC22	224878	6 Varela F	MW.23_BW	10/10/2023	VT-I-044							
			3x2" ECCENTRIC REDUCER ASME B16.9 A420-	89	712411	CE23005051_3 1_01	PVX2210111		S08								

## 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: 30/11/2023

Sign: Patricia Teixeira oc

## APPROVED by Client

Name: L. Gomes

Date: 30/11/2023

Sign: L. Gomes

## APPROVED by 3rd party or AI

Name:

Date:

Sign:



REPSOL				LINE DATA						TECNIMONT		PIPING ISOMETRIC		IDENTIFICATION CODE						
				FLUID CODE: VA		LINE NO 3"-VA-40E02-B32S1								Job	ETC	Area	N			
00 06-09-2023 ISSUED FOR CONSTRUCTION				TG	MW	TM	PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.	PLANT: SINES INDUSTRIAL COMPLEX	CLIENT REF: REPSOL POLYMEROS	UNIT	19	SHEET	1	REV	00
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D	B32S1	N / 0	M	N	1	19-A-19-000-1-01-00001 sheet 35									

N

3.2  
EL +24.559M

114

CONT. ON  
2121-VA40E02-2  
SPEC B32S1  
E 139531.945M  
N 113390.167M  
EL +24.559M

S05

1571

3.1  
EL +22.988M  
10MM WEEP HOLE

S04

S03

301

6

379

S02

CONT. ON  
2121-VG40E02-2  
SPEC 2E63  
E 139531.101M  
N 113390.281M  
EL +23.003M

S01

3X2"NS  
14MM OFFSET

19 PSV  
4006

2X1"NS

4.1 5.1 6.1

153

MATL B32S1  
PAINT 1

MATL 2E63  
PAINT NR

S9.1  
13  
B  
POS: 1

S7.1  
13  
POS: 3

S8.1  
13  
POS: 2

AS BUILT

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	2.0 M	
2	ECCENTRIC REDUCER ASME B16.9 A420-WPL6 BE SMLS C22DC09V01 S-STD 3X2 S-STD <EREL210F315151415> (L-8238)	3X2	I213207	1	
3	90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-STD <90LL210F33STD> (L-7966).	3	I213645	2	
4	WN FLANGE ASME B16.5 150# A350-LF2 Class 1 RFBE BE 125 - 250 AARH F01CDC07BV05 S-STD <WNFL300R152STD> (L-7971)	2	I140779	1	

ERECTION MATERIALS					
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
5	FLAT RING GASKET ASME B16.21 150# RFTBE NA/CARBON/NBR ASME B16.5 G02HDP2QS01 <NMGQ102R1F2> (L-NMG17)	2	I1168081	1	
6	STUD BOLTS&NUTS ASME B18.31.2 B18.2.2 A320-L7 A194-7 INCH SIZE K10B5301 <SB2R59GS&31.2> - 2 NUTS PER BOLT - 85 mm Length	5.8	I55705048	4	
7	PIPING SUPPORT - BEAMS - BE03 HEA160	3	13	1	
8	STAKES SUPPORTS ST01 HEA140	3	13	1	
9	GUIDE AND STOP HORIZ VERT SUPPORT -N1B1	3	13	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>	570	3"	S01	S	2"	BW	BJ01	2"	5.8"	85
<2>	1339	3"	S02	S	3"	BW				
			SF01	F	3"	FT				
			S03	S	3"	BW				
			S04	S	3"	BW				
			S05	S	3"	BW				

INCH METER	
PIPE NS (IN)	CL LENGTH (M)
3	2.3
2	0.2

ISOMETRIC NO. 4274-SP-XH-DL-2121-VA40E02-1-IS00		SPOOLING REV NO. 00	
---	--	---------------------	--

SHEET NO. 1 OF 1	
------------------	--

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

MECOWIDE

Prep: IFC

Status: IFC

Proc. NR: PCL 22635

Date: 06-09-2023

Rev: 00

Dimensional: 9/10/2023

Before Welding: 10/10/2023

After Welding: 10/10/2023

\* Assinilate deviation in the drawings (+/- 0.05 - 0.1)

Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)

AUTHORISED FOR CONSTRUCTION

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

LEGENDA

JOINT TYPE	PIPE TYPE	JOINT TYPE	PIPE TYPE	JOINT TYPE	PIPE TYPE	JOINT TYPE	PIPE TYPE	JOINT TYPE	PIPE TYPE
BW	G	SW	B	LET	LET	SCB	B		
FW	B	SB	B	LP	RP	SCF	B		
LA	RP	SLW	B	MTW	M	TND	TH		