

 Tecnimont S.p.A.	 REPSOL POLIMEROS SA	4274_CONST 4274-ALBA PROJECT-PP AND PEL PLANTS	
MOD-ITP-XL_220 Rev.1	RELEASE OF SPOOLS FROM WORKSHOP	Report n° IP-WSR-P-310-000030_RFI727_MOD-ITP-XL_220	RFI Nr.: 727
Unit -		Date :	
Plant Area -			
Isometric Number			
Inspection Package Number		IP-WSR-P-310-000030_RFI727 - IP Spool Release From Workshop	

Sheet 01/01

The Present Inspection Package contains the following Elements:

2121-VG40P10-3-SP05;2121-VG40P10-3-SP04;2121-VG40P10-3-SP03;2121-VG40P10-2-SP02;2121-VG40P10-1-SP01;2121-VG40P02-2-SP05;2121-VG40P02-2-SP04;2121-VG40P02-2-SP03;2121-VG40P02-2-SP02;2121-VG40P02-2-SP01;2121-HCM40C01-1-SP02;2121-HCM40C01-1-SP01;2121-ET40J11-1-SP01;2121-ET40F04-7-SP16;2121-ET40F04-7-SP15;2121-ET40F04-5-SP10;2121-ET40F04-5-SP09;2121-ET40F04-3-SP04;2121-ET40F04-10-SP12;2121-ET40F04-10-SP11;2121-ET40A07-5-SP09;2121-ET40A07-5-SP08;2121-ET40A07-3-SP06;2121-ET40A07-2-SP05;2121-CWS40G02-5-SP05;2121-CWS40G02-5-SP04;2121-CWS40G02-1-SP06;2121-CWR40B02-7-SP05;2121-CWR40B02-7-SP04

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  
 04/01/2024

  
 NoBo 1155  
 reviewed by  
 witnessed by  
 04/01/2024

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	04/01/2024	Patricia Teixeira	Patricia Teixeira		
CONTRACTOR	04/01/2024	JOAQUIM PINTO	Joaoquin Pinto		
COMPANY					
(Free)					



QC SUP. TEM



# ISO Summary List

# 22635 / 4253

Page 1

Client **TECNIMONT/REPSOL**Job # **22635**

% RT/UT

Local **Portugal**Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VG40P10-2**Revision **00**Priority **6**Piping Size/Class **6-1C17**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	02	S08	BW	6" 90 LR ELBOW ASME B16.9 A234-WPB BE S	521	722833	CE23004590_3 1_01	2:Eletrodo - SBX0811798	MW.21_BW	20/11/2023	VT-I-074						
			6" PIPE - A106-B BE SMLS	116	23101232	23503497	17:Vareta - PVX4010501		S08								
02	02	S05	BW	3x3" WN FLANGE ASME B16.5 150# A105N RF	36	043A22	224878	17:Vareta	MW.20_BW	20/11/2023	VT-I-074						
			6x3" ECCENTRIC REDUCER ASME B16.9 A234-	289	28843	CE23007000_3 1_01	PVX4010501		S08								
03	02	S06	BW	6x3" ECCENTRIC REDUCER ASME B16.9 A234-	289	28843	CE23007000_3 1_01	2:Eletrodo - SBX0811798	MW.21_BW	20/11/2023	VT-I-074						
			6" PIPE - A106-B BE SMLS	116	23101232	23503497	17:Vareta - PVX4010501		S08								
04	02	S07	BW	6" PIPE - A106-B BE SMLS	116	23101232	23503497	2:Eletrodo - SBX0811798	MW.21_BW	20/11/2023	VT-I-074						
			6" 90 LR ELBOW ASME B16.9 A234-WPB BE S	521	722833	CE23004590_3 1_01	17:Vareta - PVX4010501		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: *04/01/2024*Sign: *Patricia Teixeira* **QC****APPROVED by Client**Name: **TECNIMONT**Date: *L. Gomes* **NWI**Sign: *[Signature]**04/01/2024***APPROVED by 3rd party or AI**Name: *João Moreira*Date: *09/01/2024*Sign: *[Signature]***SGS**  
NoBo 1155 ☐ reviewed by ☐ witnessed by



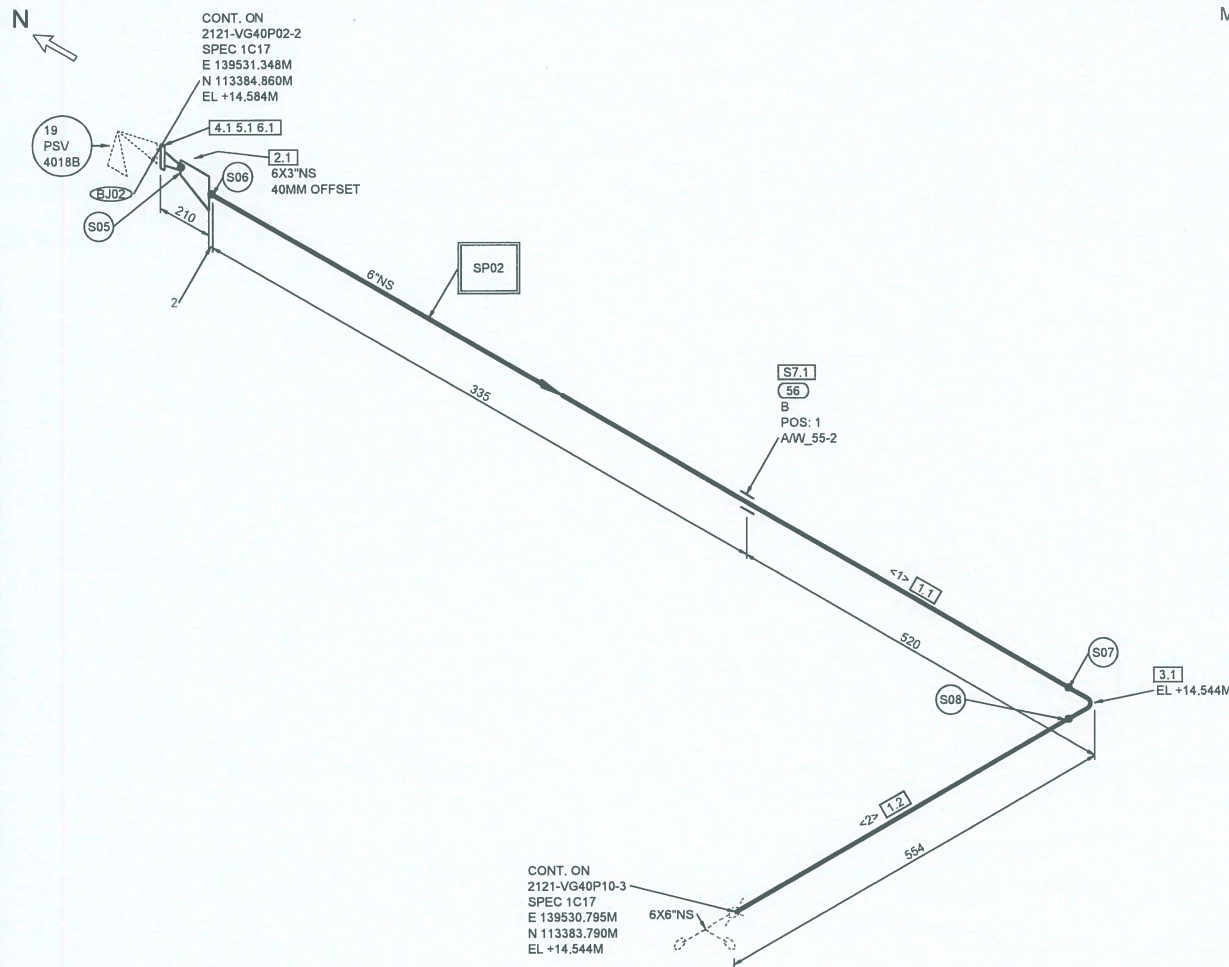




LINE DATA									
FLUID CODE: VG				LINE NO. 6"-VG-40P10-1C17					
PIPING	INSULATION	WELD CLASS	HEAT TREATMENT	PAINING CODE	P&ID No.				
1C17	N / O	E	N	1	19-A-19-000-01-00001 sheet 45				
00	19-10-2023	ISSUED FOR CONSTRUCTION		TG	MV	TM			
REV	DATE	REVISION DESCRIPTION		DRAWN UP	CHKD UP	APP'D			

Tecnimont		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX	CLIENT REF: REPSOL POLYMEROS	UNIT	19	SHEET	2	REV	00
PIPING ASSEMBLY DRAWING	19-L-19-000-2-00-96196 sheet 4	PIPING SUPPORT SPECIFICATION	EC	PIPING STANDARD SUPPORT SUMMARY	EC	PIPING TYPICAL INSTALLATION	EC
PIPING ISOMETRIC LIST	XH-LD-21210001	XH-SG-00000002	EC	XH-LP-00000001	EC	XH-SL-00000002	EC

MIR27



## FABRICATION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE - A106-B BE SMLS T01AC03V02 S-STJ <PIPA010R16STD> (L-7806).	6	117981	1.0 M	
2	ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22UC04V01 S-STJ S-STD <ERE200F317151515> (L-7959)	6X3	1128342	1	
3	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01UC04V01 S-STJ <90LA200F36STD> (L-7959).	6	1128667	1	
4	WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STJ <WNFA300R153STD> (L-149)	3	14217820	1	

## ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
5	SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B18.5 G03GDP1S12 <N/A> (N/A)	3	163508913	1	
6	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <S82R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length	5/8	153437440	4	
7	GUIDE AND STOP HORIZ VERT SUPPORT-N1B1	6	56	1	

## CUT 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>	624	6"	S05	S	3"	BW	BJ02	3"	5/8"	90
<2>	423	6"	S06	S	6"	BW				
			S07	S	6"	BW				
			S08	S	6"	BW				

## WELD LIST

## BOLT LIST

## INCH METER

PIPE NS (IN)	CL LENGTH (M)
6	1.4
3	0.3

# AUTHORISED FOR CONSTRUCTION

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

JOINT TYPE	HMEL TYPE OF JOINT	HMEL TYPE OF JOINT	JOINT TYPE	HMEL TYPE OF JOINT	HMEL TYPE OF JOINT	JOINT TYPE	HMEL TYPE OF JOINT	HMEL TYPE OF JOINT
OW	G	BW	B	LIT	LIT	B0B	B	B
FW	G	SW	B	LP	RF	B0F	B	B
LA	RF	SLW	B	MTW	M	THD	TH	TH

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

**M MECWIDE** Insp: TG PROC. NR: PCL 22635  
Status: IFC Date: 19-10-2023 Rev: 00

Dimensional: 19/11/2023  
Before Welding: 20/11/2023  
After Welding: 20/11/2023

\* Assilate deviation in the drawings (+ n" or - n").  
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol ON)



JOAQUIM PINTO  
PIPING SUP. TEAM  
joaquim.pinto 04/01/2024