

 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-310-000030_RFI727 MOD-ITP-XL_220	
		RFI Nr.: 727	Date :
Unit -			
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	Pinch 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  
 PIPING - SUP. TEN



# ISO Summary List

# 22635 / 4252

Page 1

Client TECNIMONT/REPSOL

Job # 22635

% RT/UT

Local Portugal

Project 4274 ALBA-I007 Piping Fabrication

% PT/MT

ISO # 2121-VG40P10-1

Revision 00

Priority 6

Piping Size/Class 6-

PED Category

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
C1	01	S02	BW 6" PIPE - A106-B BE SMLS 6" 90 LR ELBOW ASME B16.9 A234-WPB BE S	116 521	23101232 722833	23503497 CE23004590_3.1_01	2:Eletrodo - SBX0811796 MW.21_BW 17:Vareta - PVX4010501		20/11/2023 S138	VT-I-074							
C2	01	S03	BW 6x3" ECCENTRIC REDUCER ASME B16.9 A234- 6" PIPE - A106-B BE SMLS	289 116	28843 23101232	CE23007000_3.1_01 23503497	2:Eletrodo - SBX0811796 MW.21_BW 17:Vareta - PVX4010501		20/11/2023 S138	VT-I-074							
C3	01	S04	BW 3x3" WN FLANGE ASME B16.5 150# A105N RF 6x3" ECCENTRIC REDUCER ASME B16.9 A234-	36 289	043A22 28843	224878 CE23007000_3.1_01	17:Vareta PVX4010501	MW.20_BW	20/11/2023 S138	VT-I-074							
C4	01	S01	BW 6" 90 LR ELBOW ASME B16.9 A234-WPB BE S 6" PIPE - A106-B BE SMLS	521 116	722833 23101232	CE23004590_3.1_01 23503497	2:Eletrodo - SBX0811796 MW.21_BW 17:Vareta - PVX4010501		20/11/2023 S138	VT-I-074							

Notes	Remarks	APPROVED QC	APPROVED by Client	APPROVED by 3rd party or AI
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		Name: Carlos Ferreira Date: 04/01/2024 Sign: [Signature]	Name: [Signature] TECNIMONT Date: [Signature] L. Gomes NWI Sign: [Signature] 04/01/2024	Name: [Signature] Date: 05/01/2024 Sign: [Signature] SGS NoBo 1155 reviewed by [Signature] witnessed by [Signature]





LINE DATA										TECNIMONT		PIPING ISOMETRIC		IDENTIFICATION CODE			
FLUID CODE: VG										PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		Job	E/C	T	Area
LINE NO. 6"-VG-40P10-1C17														4274	XHDL	2121	VG40P10
PIPING MATERIAL CLASS										P&ID No.		UNIT		19	SHEET	1	REV
INSULATION										HEAT TREATMENT		PAINTING CODE					
WELD CLASS										P&ID No.							
00	19-10-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM	1C17	N / O	E	N	1	19-A-19-000-1-01-00001 sheet 45	PPH ASSEMBLY DRAWING	E C T N	PPH SUPPORT SPECIFICATION	E C T N	PPH STANDARD SUPPORT SUMMARY	E C T N
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D	1C17	N / O	E	N	1	19-A-19-000-1-01-00001 sheet 45	PPH ISOMETRIC LIST	E C T N	PPH TYPICAL INSTALLATIONS	E C T N	WELDING SPECIFICATION	E C T N

BILL OF MATERIALS				
FABRICATION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B16STD> (L-7806).	6	117981	1.0 M
2	ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22DC04V01 S-STD S-STD <REA200F317151515> (L-7959)	6X3	1128342	1
3	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F36STD> (L-7955).	6	1128667	1
4	FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R153STD> (L-149)	3	14217820	1

ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
5	GASKETS SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/304GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP1612 <N/A> (N/A)	3	163508913	1
6	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	153437440	4
7	SUPPORTS VERTICAL TRETTLES TR05 HEA160	6	55	1
8	GUIDE AND STOP HORIZ VERT SUPPORT-N1B1	6	55	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>	224	6"	S01	S	6"	BW	BJ01	3"	5/8"	90
<2>	624	6"	S02	S	6"	BW				
			S03	S	6"	BW				
			S04	S	3"	BW				

INCH METER	
PIPE NS (IN)	CL LENGTH (M)
6	1.6
3	0.1

ISOMETRIC NO. 4274-SP-XH-DL-2121-VG40P10-1-IS00		SPOOLING REV NO. 00	
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AS BUILT									
MECOWIDE									
Prep: TG		PROC. NR: PCL 22635		Status: IFC		Date: 19-10-2023		Rev: 00	
Dimensional:		Signature:		Signature:		Signature:		Signature:	
Before Welding		19/11/2023		20/11/2023		20/11/2023		20/11/2023	
After Welding		20/11/2023		20/11/2023		20/11/2023		20/11/2023	
* Assinalate deviation in the drawings ("+" n" or "-" n").									
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)									

LEGENDS									
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	BW	S	LET	LET	BOB	B	BOF	B
FW	B	FW	B	LP	RF	BOF	B	THD	TH
LA	RF	GLW	B	MTW	M	THD	TH		

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									
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AUTHORISED FOR CONSTRUCTION

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

MECOWIDE  
Prep: TG  
Status: IFC  
Date: 19-10-2023  
Rev: 00  
Signature: 19/11/2023  
Signature: 20/11/2023  
Signature: 20/11/2023  
Signature: 20/11/2023  
\* Assinalate deviation in the drawings ("+" n" or "-" n").  
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)

PROJECT: LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) FOR PROJECT - ALBA PROJECT

ISOMETRIC NO. 4274-SP-XH-DL-2121-VG40P10-1-IS00

SPOOLING REV NO. 00

SHEET NO. 1 OF 1