

 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	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	Runch 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 / 4254

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VG40P10-3**

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	03	S11	BW	6" STRAIGHT TEE ASME B16.9 A234-WPB BE	404	997153	CE23002020_3.1_01	2:Eletrodo - SBX0811798	MW.21_BW	21/11/2023	VT-I-075						
			6" PIPE - A106-B BE SMLS	116	23101232	23503497	17:Vareta - PVX4010501		S287								
02	03	F10	BW	6" STRAIGHT TEE ASME B16.9 A234-WPB BE	404	997153	CE23002020_3.1_01										
03	03	S12	BW	6" PIPE - A106-B BE SMLS	116	23101232	23503497	2:Eletrodo - SBX0811798	MW.21_BW	21/11/2023	VT-I-075						
			6" STRAIGHT TEE ASME B16.9 A234-WPB BE	404	997153	CE23002020_3.1_01	17:Vareta - PVX4010501		S287								
04	03	S13	BW	6x3" ECCENTRIC REDUCER ASME B16.9 A234-	289	28843	CE23007000_3.1_01	2:Eletrodo - SBX0811798	MW.21_BW	21/11/2023	VT-I-075						
			6" STRAIGHT TEE ASME B16.9 A234-WPB BE	404	997153	CE23002020_3.1_01	17:Vareta - PVX4010501		S287								
05	03	S14	BW	3x1" ECCENTRIC SWAGE MSS SP-95 - A234-W	427	21/31419	CE202379	17:Vareta	MW.20_BW	27/11/2023	VT-I-078						
			6x3" ECCENTRIC REDUCER ASME B16.9 A234-	289	28843	CE23007000_3.1_01	PVX4010501		S287								
06	03	F15	BW	6" STRAIGHT TEE ASME B16.9 A234-WPB BE	404	997153	CE23002020_3.1_01										
			6" PIPE - A106-B BE SMLS	116	23101232	23503497											
07	04	F16	BW	6" PIPE - A106-B BE SMLS	116	23101232	23503497										
			6" PIPE - A106-B BE SMLS	116	23101232	23503497											
08	05	S17	BW	6" PIPE - A106-B BE SMLS	116	23101232	23503497	2:Eletrodo - SBX0811798	MW.21_BW	21/11/2023	VT-I-075						
			6" 90 LR ELBOW ASME B16.9 A234-WPB BE S	521	722833	CE23004590_3.1_01	17:Vareta - PVX4010501		S287								
09	05	S18	BW	6" 90 LR ELBOW ASME B16.9 A234-WPB BE S	521	722833	CE23004590_3.1_01	2:Eletrodo - SBX0811798	MW.21_BW	21/11/2023	VT-I-075						
			6" PIPE - A106-B BE SMLS	116	23101232	23503497	17:Vareta - PVX4010501		S287								
10	03	F09	BW	6" STRAIGHT TEE ASME B16.9 A234-WPB BE	4 4	997153	CE23002020_3.1_01										

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**

APPROVED by Client

Name: **TECNIMONT**

Date: **L.Gomes**
NWI

Sign: **[Signature]**

APPROVED by 3rd party or AI

Name: **Jose Amador**

Date: **04/01/2024**

Sign: **[Signature]**
SGS
 NoBo 1155



FLUID CODE: VG				LINE DATA			
PIPING MATERIAL CLASS				LINE NO. 6"-VG-40P10-1C17			
00	19-10-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM		
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D	1C17	N / 0
						E	N
						1	19-A-19-000-01-00001 sheet 45

Tecnimont		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		Job	Area	Sheet	Rev
				4274	XHDL	2121	VG40P10
PIPING ASSEMBLY DRAWING: 19-L-19-000-01-00001 sheet 45		PIPING SUPPORT SPECIFICATION: XH-SG-00000002		PIPING STANDARD SUPPORT SUMMARY: XH-LP-00000001			
PIPING ISOMETRIC LIST: XH-L-D-21210001		PIPING TYPICAL INSTALLATIONS: XH-SL-00000002		WELDING SPECIFICATION: XH-SW-00000001			

BILL OF MATERIALS

FABRICATION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B16STD> (L-7806).	6	117981	1.1 M	
2	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B16STD> (L-7806).	6	117981	13.9 M	
3	STRAIGHT TEE ASME B16.9 A234-WPB BE SMLS C31DC04V01 S-STD <TEBA200F317151715> (L-6955).	6X6	1129215	1	
4	STRAIGHT TEE ASME B16.9 A234-WPB BE SMLS C31DC04V01 S-STD <TEBA200F317151715> (L-6955).	6X6	1129215	1	
5	ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22DC04V01 S-STD S-STD <EREA200F317151515> (L-7959).	6X3	1128342	1	
6	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F36STD> (L-7955).	6	1128667	1	
7	ECCENTRIC SWAGE MSS SP-95 - A234-WPB BE PE SMLS SCH1-STD SCH2-XS R22FQC04V215 <ESWA010GR15151216> (L-ESW27).	3X1	1920283	1	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
8	WELDED GUIDE-C1G2 H = 100 L = 300	6	64	1	
9	WELDED BRACKET TO STRUCT. SB35 - HEA140	6	64	1	
10	WELDED GUIDE-C1G2 H = 100 L = 300	6	65	1	
11	WELDED BRACKET TO STRUCT. SB35 - HEA140	6	65	1	
12	WELDED ANCHOR -C1B2 H = 100 L = 120	6	66	1	
13	WELDED BRACKET TO STRUCT. SB35 - HEA120	6	67	1	
14	WELDED GUIDE-C1G2 H = 100 L = 300	6	67	1	
15	WELDED BRACKET TO STRUCT. SB35 - HEA120	6	67	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>	1034	6"	F09	F	6"	BW				
<2>	10997	6"	S11	S	6"	BW				
<3>	2626	6"	S12	S	6"	BW				
<4>	268	6"	S13	S	6"	BW				
			S14	S	3"	BW				
			F15	F	6"	BW				
			F16	F	6"	BW				
			S17	S	6"	BW				
			S18	S	6"	BW				
			F10	F	6"	BW				
INCH METER										
PIPE NS (IN)					CL LENGTH (M)					
6					16.4					
3					0.2					
ISOMETRIC NO. 4274-SP-XH-DL-2121-VG40P10-3-IS00										SPOOLING REV NO. 00

AUTHORISED FOR CONSTRUCTION

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

LEGENDS

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
BW	G	GW	S	LET	LET	GBB	S	
PW	S	GBD	S	LP	RF	BOF	S	
LA	RF	BLW	S	MTW	M	THD	TH	

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

JOAQUIM PINTO
PIPING SUP. TEN
Joaoquim Pinto 04/01/2024



M	MECOWIDE	Prep.: TG	PROC. NR: PCL 22635
Dimensional:	Status: IFC	Date: 19-10-2023	Rev: 00
Before Welding	Signature: [Signature]		
After Welding	Signature: [Signature]		
* Assinalate deviation in the drawings (" + n " or " - n ").			
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK).			

LINE 1.1Z AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED. ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1Z AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION. FOR THE COMPONENT MARKED AS FIELD WELDED ONE WELDED IN LINE COMPONENT MUST BE LEFT. GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 040P-01-SG-0000000004. FIELD WELD SYMBOL FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE MARKED. FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 040P-01-L-10-0000-00001.

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