



Sheet 01/01




2121-VA40U07-2-SP03;2121-VA40U07-2-SP02;2121-VA40U05-2-SP03;2121-VA40U05-2-SP02;2121-VA40R01-2-SP04;2121-VA40R01-2-SP03;1211-VA00020-1-SP01;1211-VA00017-1-SP01;1211-VA00015-1-SP01;1211-VA00014-1-SP01;1211-VA00013-1-SP01;2121-VA00037-1-SP01;2121-VA00025-1-SP01;2121-VA00033-1-SP01;2121-VA00032-1-SP01;2121-VA00030-1-SP01;2121-VA49A08-2-SP03;2121-VA49A08-2-SP02;2121-VA49A01-2-SP02;2121-VA40N01-2-SP03;2121-VA40N01-2-SP02;2121-VA49A07-2-SP03;2121-VA49A07-2-SP02;2121-VA00027-1-SP02;2121-VA00027-1-SP01;2121-VA00026-1-SP02;2121-VA00026-1-SP01;1111-OG53001-1-SP01



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"

JOAQUIM PINTO
PIPING SOP.
Joaoquim 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	19/09/23	F. Almeida		
CONTRACTOR	19/09/23	Luis Garcia		
COMPANY				
(Free)				


 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-310-000005_MOD-ITP-XL_220 RFI Nr.: Date :	
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000005 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2121-VA40U07-2-SP03;2121-VA40U07-2-SP02;2121-VA40U05-2-SP03;2121-VA40U05-2-SP02;2121-VA40R01-2-SP04;2121-VA40R01-2-SP03;2121-VA00020-1-SP01;2121-VA00017-1-SP01;2121-VA00015-1-SP01;2121-VA00014-1-SP01;2121-VA00013-1-SP01;2121-VA00037-1-SP01;2121-VA00025-1-SP01;2121-VA00033-1-SP01;2121-VA00032-1-SP01;2121-VA00030-1-SP01;2121-VA49A08-2-SP03;2121-VA49A08-2-SP02;2121-VA49A01-2-SP02;2121-VA40N01-2-SP03;2121-VA40N01-2-SP02;2121-VA49A07-2-SP03;2121-VA49A07-2-SP02;2121-VA00027-1-SP02;2121-VA00027-1-SP01;2121-VA00026-1-SP02;2121-VA00026-1-SP01;1111-OG53001-1-SP01

 **TECNIMONT**
 JOAQUIM PINTO
 PIPING SOP
 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	19/09/2023	F. Almeida		
CONTRACTOR	19/09/2023	Luis Gauer		
COMPANY				
(Free)				

ISO Summary List

22635 / 1244
Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VA00033-1**

Revision **00**

Priority **6**

Piping Size/Class **4-B-1**

PED Category **NA**

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	Repair 1	Repair 2
01	S03	BW	4" 90 LR ELBOW ASME B16.9 A234-WPB BE S 4" PIPE - A106-B BE SMLS	✓ 341 ✓ 19	17357 23211707	CE23001997.3.1.01 23310548	5-Varela PVX1312824	MW.20_BW ✓	21/08/2023 S71	VT-I-007 ✓							
02	S02	BW	4" PIPE - A106-B BE SMLS 4" 90 LR ELBOW ASME B16.9 A234-WPB BE S	✓ 19 ✓ 341	23211707 17357	23310548 CE23001997.3.1.01	5-Varela PVX1312824	MW.20_BW ✓	21/08/2023 S71	VT-I-007 ✓		RT: RT-I-068-A ✓					
03	S01	BW	4x4" WN FLANGE ASME B16.5 150# A105N RF 4" PIPE - A106-B BE SMLS	✓ 36 ✓ 19	10EE23 23211707	224878 23310548	5-Varela PVX1312824	MW.20_BW ✓	21/08/2023 S71	VT-I-007 ✓							

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: *Renato Almeida*
Date: *19/09/23*
Sign: *[Signature]* OC

APPROVED by Client

Name: *V. Vasirelos*
Date: *19/08/23*
Sign: *[Signature]*

APPROVED by 3rd party or AI

Name:
Date:
Sign:



Punch List

IDENTIFICATION CODE

PUNCH LIST

SHEET

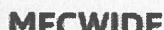
1 / 1

DOC.CLASS

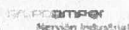
1

ISSUE

01



REVIEW



ISO ID: 2121 - VA00033 - 1

[illegible]

NOTES AND REMARKS

	DATE (dd-Mmm-YYYY)	NAME	SIGNATURE
SUBCONTRACTOR			
CONTRACTOR			
COMPANY			
(Free)			



					LINE DATA					
					FLUID CODE: VA			LINE NO. 4"-VA-00033-B-1		
					PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.
00	11-08-2023	ISSUED FOR CONSTRUCTION		TG	MW	TM				
REV	DATE	REVISION DESCRIPTION		DRAWN UP	CHKD UP	APP'D	B-1	N / 0	E	N

Tecnimont		PIPING ISOMETRIC		IDENTIFICATION CODE			
Job		E I C T		Area		N	
4274		XHDL		2121		VA00033	
UNIT		45		SHEET		1 REV 00	
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		E C T N		E C T N	
PIPING ASSEMBLY DRAWING		19-L-19-000-2-00-86195 sheet 1		XH-SG-00000002		XH-LP-00000001	
PIPING ISOMETRIC LIST		XH-LD-21210001		XH-SL-00000002		XH-SW-00000001	

BILL OF MATERIALS			
FABRICATION MATERIALS			

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B14STD> (L-7806)	4	1117953	2.9 M	
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F34STD> (L-7955)	4	1128635	1	
3	FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R154STD> (L-149)	4	15355796	1	

ERECTION MATERIALS					
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
4	<u>GASKETS</u> FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ009R1FC4> (L-NMG11)	4	I1169033	1	
5	<u>BOLTS</u> 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	I53437440	8	




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>	2588	4"	S01	S	4"	BW	BJ01	4"	5/8"	90
<2>	296	4"	S02	S	4"	BW				
			S03	S	4"	BW				
INCH METER										
PIPE NS (IN)					CL LENGTH (M)					
4					3.3					
ISOMETRIC NO. 4274-SP-XH-DL-2121-VA00033-1-IS00										SPOOLING REV NO. 00

AUTHORISED FOR CONSTRUCTION

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

LEGENDS		JOINT TYPE		HMEI TYPE OF JOINT		JOINT TYPE		HMEI TYPE OF JOINT		JOINT TYPE		HMEI TYPE OF JOINT	
BW	G	SW	S	LET	LET	SOB	S						
FW	S	SIB	S	LF	RF	SOF	S						
L4	RF	SLW	S	MTW	M	THD	TH						

TECNIMONT
JOAQUIM PINTO
PIPING SUP.
Joaoquim Pinto
AS BUILT

	MEC WIDE	Prep.: TG	PROC. NR:	PCL 22635
		Status: IFC	Date: 11-08-2023	Rev: 00
Dimensional:		Signature:		
Before Welding				
After Welding				
* Assinalate deviation in the drawings ("+" or "-").				
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)				

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