

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




TECNIMONT
JOAQUIM PINTO
PIPING SUP.
Joaquim Pinto

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"


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)				

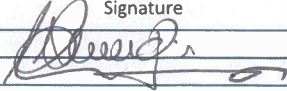

 Tecnimont S.p.A.	 REPSOL POLIMEROS SA	4274_CONST 4274-ALBA PROJECT-PP AND PEL PLANTS	
MOD-ITP-XL_220 Rev.1		RELEASE OF SPOOLS FROM WORKSHOP	Report n° IP-WSR-P-310-000005_MOD-ITP-XL_220
Unit -		RFI Nr.:	Date :
Plant Area -			
Isometric Number			
Inspection Package Number		IP-WSR-P-310-000005 - IP Spool 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;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


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	19/09/2023	F. Almeida		
CONTRACTOR	19/09/2023	Luis Gouveia		
COMPANY				
(Free)				

ISO Summary List

22635 / 1243
Page 1

Client **TECNIMONT/REPSOL**
Local **Portugal**

Job # **22635**
Project **4274 ALBA-I007 Piping Fabrication**

% RT/UT
% PT/MT

ISO # **2121-VA00032-1**
Piping Size/Class **4-B-1**

Revision **00**
PED Category **NA**

Priority **6**
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 Varella PVX1312824	MW.20_BW	18/08/2023 S46	VT-I-006							
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 Varella PVX1312824	MW.20_BW	18/08/2023 S46	VT-I-006		RT: RT-I-089-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 Varella PVX1312824	MW.20_BW	18/08/2023 S46	VT-I-006							
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								Name: <i>Francisco Afonso</i>			Name: <i>D. Karsivelos</i>			Name:			
PT-Penetrant Test; MT-Magnetic Test; RT-Radiographic Test								Date: <i>19/07/23</i>			Date: <i>19/08/23</i>			Date:			
UT-Ultrasonic Test; PMI-Positive Material Identification								Sign: <i>[Signature]</i>			Sign: <i>[Signature]</i>			Sign:			
HT-Hardness Test; PN-Pneumatic Test; FT-Ferrites Test																	



IDENTIFICATION CODE

PUNCH LIST

SHEET
1 / 1

DOC.CLASS
1

ISSUE
01



MECWIDE

FINANZING: FIDUCIARIA: C.A.M. e FIDUCIARIA.



Gulfstream
Nervon Industrial

ISO ID: 2121 - VA00032 - 1

[illegible]

NOTES AND REMARKS

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



						LINE DATA						
						FLUID CODE: VA		LINE NO. 4"-VA-00032-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	B-1	N / O	E	N	1	45-A-45-000-1-01-00001 Sheet 4
REV	DATE	REVISION DESCRIPTION		DRAWN UP	CHKD UP	APP'D	B-1	N / O	E	N	1	45-A-45-000-1-01-00001 Sheet 4



PIPING ISOMETRIC

IDENTIFICATION CODE

PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		Job		Area		N	
				4274		XHDL		VA00032	
				UNIT		45		SHEET	
				1		REV		00	
PIPING ASSEMBLY DRAWING		PIPING SUPPORT SPECIFICATION		PIPING STANDARD SUPPORT SUMMARY		WELDING SPECIFICATION			
19-L-19-000-2-00-86195 sheet 1		XH-SG-00000002		XH-LP-00000001		XH-SW-00000001			
PIPING ISOMETRIC LIST		PIPING TYPICAL INSTALLATIONS		XH-SL-00000002					
XH-LD-21210001									

BILL OF MATERIALS

FABRICATION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PPA010B14STD> (L-7806)	4	I117953	2.9 M	
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F34STD> (L-7955)	4	I128635	1	
3	FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R154STD> (L-149)	4	I5355796	1	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
4	GASKETS FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ009R1FC4> (L-NMG11)	4	I1169033	1	
5	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	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)
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4 3.3

AUTHORISED FOR CONSTRUCTION

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


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
BW	G	SW	S	LET	LET	BOB	B
FW	S	SB	B	LF	RF	SOF	S
LA	RF	SLW	S	MTW	M	THD	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

TECNIMONT
JOAQUIM PINTO
PIPING SUP
Joaoquim Pinto
AS BUILT

	MECOWIDE	Prep.:	TG	PROC. NR:	PCL 22635
		Status:	IFC	Date:	11-08-2023
Dimensional:			Signature:		
Before Welding			11/08/2023		
After Welding			18/08/2023		
* Assinalate deviation in the drawings ("+" n" or "- n").					
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)					

ISOMETRIC NO. 4274-SP-XH-DL-2121-VA00032-1-IS00

SPOOLING REV NO. 00