

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




[illegible]

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	Luís Almeida			
COMPANY					
(Free)					

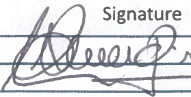
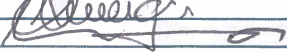
 Tecnimont S.p.A.	 REPSOL POLIMEROS SA	4274_CONST 4274-ALBA PROJECT-PP AND PEL PLANTS	
MOD-ITP-XL_220 Rev.1		RELEASE OF SPOOLS FROM WORKSHOP	Report n° IP-WSR-P-310-000005_MOD-ITP-XL_220
		RFI Nr.:	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000005 - IP Spool 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-S  
P04;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-VA40  
N01-2-SP03;2121-VA40N01-2-SP02;2121-VA49A07-2-SP03;2121-VA49A07-2-SP02;2121-VA00027-1-SP02;2121-V  
A00027-1-SP01;2121-VA00026-1-SP02;2121-VA00026-1-SP01;1111-OG53001-1-SP01

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



# ISO Summary List

# 22635 / 1237  
Page 1

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

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

% RT/UT  
% PT/MT

ISO # **2121-VA00025-1**  
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 Varela PVX1312824	MW.20_BW	17/08/2023 S138	VT-I-005 ✓							
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	17/08/2023 S138	VT-I-005 ✓		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	17/08/2023 S138	VT-I-005 ✓							

## 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: *Fernando Almeida*  
Date: *19/09/23*  
Sign: *[Signature]*

## APPROVED by Client

Name: *D. Valsivelos*  
Date: *19/09/23*  
Sign: *[Signature]*

## APPROVED by 3rd party or AI

Name:  
Date:  
Sign:







					LINE DATA							
					FLUID CODE: VA			LINE NO. 4"-VA-00025-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	1	45-A-45-000-1-01-00001 Sheet 4



IDENTIFICATION CODE			
Job	EIC	Area	N
4274	XHDL	2121	VA00025
UNIT	45	SHEET	1 REV 00
PIPING ISOMETRIC			
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS	
PIPING ASSEMBLY DRAWING		PIPING SUPPORT SPECIFICATION	
19-L-19-000-2-00-86192 sheet 1		XH-SG-00000002	
PIPING ISOMETRIC LIST		PIPING TYPICAL INSTALLATIONS	
XH-LD-21210001		XH-SL-00000002	
		WELDING SPECIFICATION	
		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	I117953	6.9 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 <NMQQ009R1FC4> (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	
6	SUPPORTS STOP HORIZ VERT FOR NOT INS. PIPING-N1F1	4	626	1	
7	U BOLT (FOR GUIDE)-P02D	4	626	1	
8	WELDED BRACKET TO STRUCT. SB01 L100X100X10	4	626	1	

## CUT LIST

PIECE NO	LENGTH (MM)	SIZE (IN)
<1>	6580	4"
<2>	296	4"

## WELD LIST

WELD NO	WELD CAT.	SIZE (IN)	WELD TYPE
S01	S	4"	BW
S02	S	4"	BW
S03	S	4"	BW

## BOLT LIST

BOLT NO	FLANGE SIZE(IN)	SIZE (IN)	LENGTH (MM)
BJ01	4"	5/8"	90

## INCH METER

PIPE NS (IN)	CL LENGTH (M)
4	7.3

ISOMETRIC NO. 4274-SP-XH-DL-2121-VA00025-1-IS00

SPOOLING REV NO. 00

SHEET NO. 1 OF 1

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	SOB	S
FW	S	SIB	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

MECOWIDE		Prep:	TG	PROC. NR:	PCL 22635				
		Status:	IFC	Date:	11-08-2023 Rev: 00				
Dimensional:		Signature:							
Before Welding		16/08/2023							
After Welding		17/08/2023							
* Assinalate deviation in the drawings ("n" or "-n").									
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)									

TECNIMONT  
JOAQUIM PINTO  
PIPING SUP.  
Joaoquin Pinto  
AS BUILT

ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.12" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION FOR THE COMPONENT MARKED AS FIELD WELDED ONE WELDED FOR ADJUSTMENT OF IN-LINE COMPONENT MUST BE LEFT FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-L-10-0000-00001