

 Tecnimont S.p.A.	 REPSOL POLIMEROS SA	4274_CONST 4274-ALBA PROJECT-PP AND PEL PLANTS	
<b>MOD-ITP-XL_220</b> Rev.1		<b>RELEASE OF SPOOLS FROM WORKSHOP</b>	
		Report n° <b>IP-WSR-P-310-000120_RFI2220_MOD-ITP-XL_220</b>	
		RFI Nr.:	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number <b>IP-WSR-P-310-000120_RFI2220 - IP Spool Release From Workshop</b>			

Sheet 01/01

The Present Inspection Package contains the following Elements:




2121-VRG52A10-2-SP04;2121-VRG52A10-2-SP03;2121-VRG52A10-2-SP02;1121-PR43048-2-SP03;2121-VRG52A10-1-SP01;2121-FL40B04-1-SP01;2121-FL40K01-2-SP02;1121-PR40026-2-SP03;1121-PR40026-2-SP02;1121-PR40026-2-SP01;1121-HCM24078-6-SP11;1121-HCM24078-5-SP10-ZZ;1121-HCM24078-5-SP09;2121-FL40C01-1-SP01;1121-PR43027-4-SP10;1121-PR43027-4-SP09;1121-PR43027-4-SP08;1121-PR43027-4-SP07;1121-PR43027-4-SP06;1121-HCM24082-2-SP04;1121-HCM24082-2-SP05;1121-HCM24082-2-SP03;1121-PR43037-3-SP08;1121-PR43037-3-SP07;1121-PR43037-3-SP06;1121-PR43037-3-SP05;1121-PR43037-2-SP01;1121-PR33019-4-SP06;1121-PR33019-4-SP05;1121-PR24034-5-SP12;1121-PR24034-5-SP11;1121-PR24034-5-SP10;1121-PR23031-2-SP05;1121-PR23031-1-SP07;1121-PR23031-1-SP06-ZZ;1121-CHWS24002-2-SP02;2121-VRG41B09-5-SP09;2121-VRG41B09-5-SP08;2121-VRG41B09-5-SP07;2121-VRG41B09-5-SP06;2121-ET40J06-2-SP05;2121-ET40J06-2-SP04;2121-ET40J06-2-SP03;1121-ET71039-5-SP04;1121-ET71039-5-SP03;1121-ET71039-5-SP02;1121-ET71039-5-SP01;1121-ET71039-4-SP05;1121-VA23003-2-SP06;1121-VA23003-2-SP05;1121-VA23003-2-SP04-ZZ;1121-VA23003-1-SP03;1121-VA23003-1-SP02;1121-VA23003-1-SP01;1121-PR24038-1-SP03;1121-PR24038-1-SP02;1121-PR24038-1-SP01;1121-PR36015-1-SP02;1121-PR36015-1-SP01;1121-HCM31022-2-SP04;1121-HCM31022-2-SP03;1121-HCM31022-2-SP02;1121-HCM24081-2-SP02;1121-HCM24081-2-SP01;1121-HCM24052-1-SP04;1121-HCM24052-1-SP03;1121-HCM24052-1-SP02;1121-HCM24052-1-SP01

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	 Pinto Joaquim Mechanical Piping Spv. Joaquim Pinto 02/05/2024	 NoBo 1155 João Nunes 02/05/2024
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LEGEND OF CHECK RESULT	<input checked="" type="checkbox"/> Checked & NOT Accepted	<input checked="" type="checkbox"/> Checked & Accepted	N.A. Not Applicable	<input type="checkbox"/> Y / N Punch List Produced
	Date [DD-MMM-YYYY]	Name	Signature	
SUBCONTRACTOR	02/05/2024	Patrícia Texeira	Patrícia Texeira	
CONTRACTOR				
COMPANY				
(Free)				

QC

# ISO Summary List

# 22635 / 5925

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VRG52A10-1**

Revision **01**

Priority **2**

Piping Size/Class **4-C-42**

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
15	01	S01	BW 3x3" WN FLANGE ASME B16.5 300# A350-LF2	TCM	2A15426	BLD-25-0525-020	21:Vareta F	MW.23_BW	02/04/2024	VT-M-073							
			4x3" ECCENTRIC REDUCER ASME B16.9 A420-	84	175481	23310555	PVX4712033		S285								
16	01	S02	BW 4x3" ECCENTRIC REDUCER ASME B16.9 A420-	TCM	84	175481	23310555	21:Vareta F	01/04/2024	VT-M-072							
			4" PIPE - A333-6 BE SMLS	TCM	R59415	E14485	PVX4712033		S285								
17	01	S03	BW 4" PIPE - A333-6 BE SMLS	TCM	R59415	E14485	21:Vareta F	MW.23_BW	01/04/2024	VT-M-072							
			4" STRAIGHT TEE ASME B16.9 A420-WPL6 BE	244	391946	CE23007109_3.1_01	PVX4712033		S285								
18	01	S04	BW 4" STRAIGHT TEE ASME B16.9 A420-WPL6 BE	TCM	244	391946	21:Vareta F	MW.23_BW	02/04/2024	VT-M-073							
			4" PIPE - A333-6 BE SMLS	TCM	R59415	E14485	PVX4712033		S285								
19	01	S05	BW 4" PIPE - A333-6 BE SMLS	TCM	R59415	E14485	21:Vareta F	MW.23_BW	01/04/2024	VT-M-072							
			4" STRAIGHT TEE ASME B16.9 A420-WPL6 BE	244	391946	CE23007109_3.1_01	PVX4712033		S285								
20	01	S07	BW 4" STRAIGHT TEE ASME B16.9 A420-WPL6 BE	TCM	244	391946	21:Vareta F	MW.23_BW	01/04/2024	VT-M-072							
			4x4" WN FLANGE ASME B16.5 300# A350-LF2	37	07EE23	224997	PVX4712033		S285								
21	01	S08	BW 4" STRAIGHT TEE ASME B16.9 A420-WPL6 BE	TCM	244	391946	21:Vareta F	MW.23_BW	01/04/2024	VT-M-072							
			4" PIPE - A333-6 BE SMLS	TCM	R59415	E14485	PVX4712033		S285								
22	01	S09	BW 4" PIPE - A333-6 BE SMLS	TCM	R59415	E14485	21:Vareta F	MW.23_BW	01/04/2024	VT-M-072							
			4x3" REDUCING TEE ASME B16.9 A420-WPL6	246	534733	CE23007111_3.1_01	PVX4712033		S285								
23	01	S10	BW 4" STRAIGHT TEE ASME B16.9 A420-WPL6 BE	TCM	244	391946	21:Vareta F	MW.23_BW	02/04/2024	VT-M-073							
			4" PIPE - A333-6 BE SMLS	TCM	R59415	E14485	PVX4712033		S285								
24	01	S11	BW 4" PIPE - A333-6 BE SMLS	TCM	R59415	E14485	21:Vareta F	MW.23_BW	01/04/2024	VT-M-072							
			4x4" WN FLANGE ASME B16.5 300# A350-LF2	37	07EE23	224997	PVX4712033		S285								
25	01	S12	BW 4" STRAIGHT TEE ASME B16.9 A420-WPL6 BE	TCM	244	391946	21:Vareta F	MW.23_BW	01/04/2024	VT-M-072							
			4" PIPE - A333-6 BE SMLS	TCM	R59415	E14485	PVX4712033		S285								
26	01	S13	BW 4" PIPE - A333-6 BE SMLS	TCM	R59415	E14485	21:Vareta F	MW.23_BW	01/04/2024	VT-M-072							
			4x4" WN FLANGE ASME B16.5 300# A350-LF2	37	07EE23	224997	PVX4712033		S285								

## 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: *Katricia Texeira*

Date: *02/05/2024*

Sign: *Katricia Texeira*

## APPROVED by Client

Name: *TECNIMONT*

Date: *L.Gomes*

Sign: *L.Gomes*

## APPROVED by 3rd party or AI

Name: *João Amador*

Date: *02/05/2024*

Sign: *João Amador*



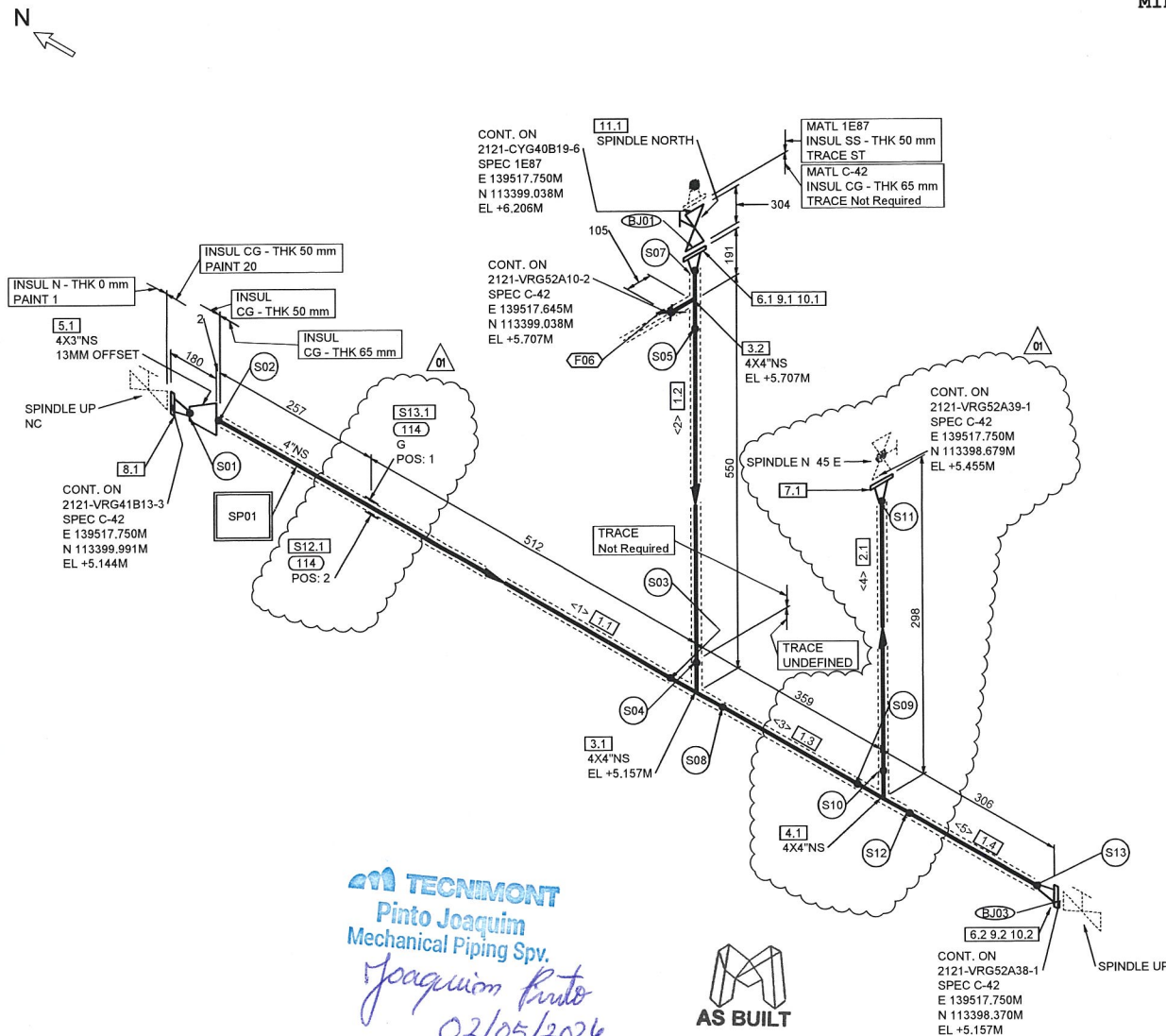




FLUID CODE: VRG				LINE DATA				LINE NO. 4"-VRG-52A10-C-42 (CG)			
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D	C-42	CG / 65	M	N	20	P&ID No.
01	20-11-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM	PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	
00	25-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM						
											P&ID No.
											19-A-19-000-1-01-00001 sheet 53

IDENTIFICATION CODE				Job			
Job	Area	Area	Area	Job	Area	Area	Area
4274	XHDL	2121	VRG52A10	UNIT	19	SHEET	1
							REV 01
PLANT: SINES INDUSTRIAL COMPLEX				CLIENT REF: REPSOL POLYMEROS			
PIPING ASSEMBLY DRAWING				PIPING SUPPORT SPECIFICATION			
19-L-19-000-2-00-66197 sheet 2				XH-SG-00000002			
PIPING ISOMETRIC LIST				PIPING TYPICAL INSTALLATIONS			
XH-DL-21210001				XH-SL-00000002			
				WELDING SPECIFICATION			
				XH-SW-00000001			

MIR29



**TECNIMONT**  
Pinto Joaquim  
Mechanical Piping Spv.

*Joaquim Pinto*  
02/05/2024



**AUTHORISED FOR CONSTRUCTION**

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

JOINT TYPE	ISOL TYPE OF JOINT	ISOL TYPE OF JOINT	ISOL TYPE OF JOINT	ISOL TYPE OF JOINT	ISOL TYPE OF JOINT	ISOL TYPE OF JOINT	ISOL TYPE OF JOINT
BW	B	BW	B	LET	LET	SOB	B
PL	B	SB	B	LP	RF	SOB	B
LA	RF	BLV	B	MTW	M	THD	TH

M	MECWIDE	Prep:	TG	PROC. NR:	PCL 22635
		Status:	IFC	Date:	20-11-2023
		Signature:			
		After Welding:	31/3/24		
		Before Welding:	31/4/24		

\* Assalate deviation in the drawings ("n" or "n").  
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)

BILL OF MATERIALS					
FABRICATION MATERIALS					
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE PIPE - A333-6 BE SMLS T01AC22V02 S-STD <PIPL020B14STD> (L-8199).	4	I146310	1.3 M	
2	PIPE - A333-6 BE SMLS T01AC22V02 S-STD <PIPL020B14STD> (L-8199).	4	I146310	0.2 M	
3	TEES STRAIGHT TEE ASME B16.9 A420-WPL6 BE SMLS C31DC09V01 S-STD <TEBL210F316151515> (L-8243).	4X4	I213676	2	
4	STRAIGHT TEE ASME B16.9 A420-WPL6 BE SMLS C31DC09V01 S-STD <TEBL210F316151515> (L-8243).	4X4	I213676	1	
5	ECCENTRIC REDUCER ASME B16.9 A420-WPL6 BE SMLS C22DC09V01 S-STD <S-STD <EREL210F316151515> (L-8238).	4X3	I213211	1	
6	FLANGES WN FLANGE ASME B16.5 300# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CF07BV05 S-STD <WNFL300R3545TD> (L-7981).	4	I219623	2	
7	WN FLANGE ASME B16.5 300# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CF07BV05 S-STD <WNFL300R3545TD> (L-7981).	4	I219623	1	
8	WN FLANGE ASME B16.5 300# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CF07BV05 S-STD <WNFL300R3545TD> (L-7981).	3	I219622	1	
ERECTION MATERIALS					
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
9	GASKETS SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAP LTCSS SS 316 ASME B16.5 G03GFP1IAG8 <N/A> (N/A).	4	I46364709	2	
10	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 <SB2R55G3/441/2> - 2 NUTS PER BOLT - 115 mm Length	3/4	I55705085	16	
11	VALVES / IN-LINE ITEMS GATE VALVE API 600 300# A352-LCC RFFE 10-316 API 600 L7/125 - 250 AARH BB-OSLY FLXW API 600 HW ASME B16.5 V01FFC82B12R NREQD <G44L-7863> (L-7863).	4	I63584434	1	
12	SUPPORTS STAKES SUPPORTS ST01 HEA100	4	114	1	
13	CLAMPED GUIDE, COLO INS.-F2G1 H=150 L=300	4	114	1	
CUT LIST		WELD LIST		BOLT LIST	
PIECE NO	LENGTH (MM)	SIZE (IN)	WELD NO	WELD CAT.	WELD TYPE
<1>	663	4"	S01	S	3"
<2>	336	4"	S02	S	4"
<3>	146	4"	S03	S	4"
<4>	105	4"	S04	S	4"
<5>	111	4"	S05	S	4"
			F06	F	4"
			S07	S	4"
			S08	S	4"
			S09	S	4"
			S10	S	4"
			S11	S	4"
			S12	S	4"
			S13	S	4"
BOLT LIST		WELD LIST		BOLT LIST	
BOLT NO	FLANGE SIZE (IN)	SIZE (IN)	LENGTH (MM)		
BJ01	4"	3/4"	115		
BJ03	4"	3/4"	115		
INCH METER					
PIPE NS (IN)			CL LENGTH (M)		
4			2.8		
3			0.2		
ISOMETRIC NO. 4274-SP-XH-DL-2121-VRG52A10-1-IS01					
SPOOLING REV NO. 01					