

 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-310-000067_RFI1207_MOD-ITP-XL_220	
		RFI Nr.: 1207	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000067_RFI1207 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2211-VA62B01-1-SP03;2211-VA62B01-1-SP02;2211-VA62B01-1-SP01;2211-N91M34-2-SP03;2211-N91M34-2-SP02;2211-N91M34-2-SP01;2211-N50A15-4-SP09;2211-N50A15-4-SP08;2211-N50A15-4-SP07;2211-IW91N04-6-SP14;2211-IW91N04-6-SP13;2211-CWS91J47-2-SP01;2211-CWS91J47-1-SP03;2211-CWS91J47-1-SP02;2211-CWR80B01-1-SP01;2211-CWR70A03-2-SP03;2121-VG40N11-5-SP08;2121-VG40N11-5-SP07;2121-VG40N11-5-SP06;2121-VA49A04-2-SP12;2121-VA49A04-2-SP11;2121-VA49A04-2-SP10;2121-VA49A04-1-SP09;2121-VA49A04-1-SP08;2121-VA40B03-2-SP04;2121-VA40B03-2-SP03;2121-VA40B03-2-SP02;2121-VA40B03-2-SP01;2121-PA91P08-1-SP06;2121-PA91P08-1-SP05;2121-CWS91J52-1-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"

 **TECNIMONT**

Pinto Joaquim
Mechanical Piping Spv.

Joaquim Pinto
07/03/2024

 **TECNIMONT**

L.Gomes
NW1

07/03/2024

LEGEND OF CHECK RESULT	<input checked="" type="checkbox"/> Checked & NOT Accepted	<input checked="" type="checkbox"/> Checked & Accepted	N.A. Not Applicable	V / N Punch List Produced
	Date [DD-MMM-YYYY]	Name	Signature	
SUBCONTRACTOR	07/03/2024	Patricia Texeira	Patricia Texeira	
CONTRACTOR				
COMPANY				
(Free)				



ISO Summary List

22635 / 1984
Page 1

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





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



% RT/UT
% PT/MT



ISO # **2121-VG40N11-5**
Piping Size/Class **3-1C17**

Revision **00**
PED Category **I**

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	Extension 1	Extension 2	
02	08	S35	BW	3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓	228 17	215148 ✓ 23211709 ✓ 23310546	5.Vareta PVX1312824	MW.20_BW	10/10/2023 S138	VT-I-044								
03	08	S34	BW	3x3" WN FLANGE ASME B16.5 150# A105N RF ✓ 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	37 228	70HC22 ✓ 215148 ✓ CE23002054_3.1_01	5.Vareta PVX1312824	MW.20_BW	10/10/2023 S138	VT-I-044								
04	07	S33	BW	3" PIPE - A106-B BE SMLS ✓ 3x3" WN FLANGE ASME B16.5 150# A105N RF ✓	17 37	23211709 ✓ 70HC22 ✓ 23310546 224997	5.Vareta PVX1312824	MW.20_BW	10/10/2023 S138	VT-I-044								
06	07	S31	OL	3" PIPE - A106-B BE SMLS ✓ 3x.5" REDUCING SOCKOLET MSS SP-97 3000# ✓	17 425	23211709 ✓ BE6466 ✓ CE/2022/1596	5.Vareta PVX1312824	MW.20_SBR	29/09/2023 S138	VT-I-037	MT: MT-I-015-A							
07	06	S29	BW	3" PIPE - A106-B BE SMLS ✓ 3x3" WN FLANGE ASME B16.5 150# A105N RF ✓	17 37	23211709 ✓ 70HC22 ✓ 23310546 224997	5.Vareta PVX1312824	MW.20_BW	10/10/2023 S138	VT-I-044								
08	08	S36	BW	3" PIPE - A106-B BE SMLS ✓ 3x3" WN FLANGE ASME B16.5 150# A105N RF ✓	17 37	23211709 ✓ 70HC22 ✓ 23310546 224997	5.Vareta PVX1312824	MW.20_BW	10/10/2023 S138	VT-I-044								
09	07	S30	BW	3x3" WN FLANGE ASME B16.5 150# A105N RF ✓ 3" PIPE - A106-B BE SMLS ✓	37 17	70HC22 ✓ 23211709 ✓ 224997 23310546	5.Vareta PVX1312824	MW.20_BW	10/10/2023 S138	VT-I-044								
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: <i>Patricia Texeira</i> Date: <i>07/03/2024</i> Sign: <i>Patricia Texeira</i> 			APPROVED by Client Name:  Date: <i>L. Gomes</i>  Sign: <i>L. Gomes</i> 			APPROVED by 3rd party or AI Name: Date: Sign:				

	Punch List PUNCH LIST	IDENTIFICATION CODE		
		SHEET 1 / 1	DOC.CLASS 1	ISSUE 01
	ISO ID: 2121 -VG40N11-5			

No.	Field	Description	Date	Completed
		NO COMMENTS		
 Pinto Joaquim Mechanical Piping Spv. Joaquim Pinto 07/03/2024		NOTES AND REMARKS	 L.Gomes NW1 07/03/2024	

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

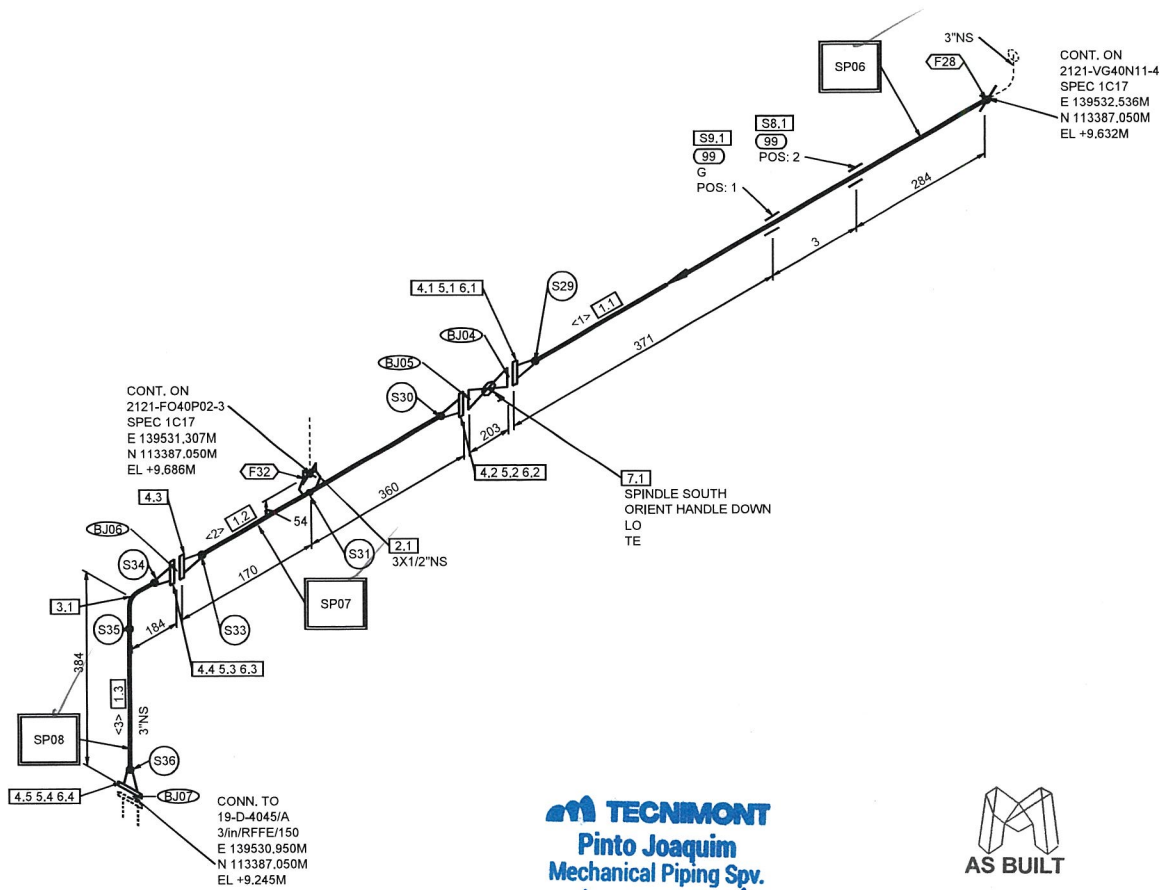


FLUID CODE: VG				LINE DATA			
PIPING MATERIAL CLASS				LINE NO. 3"-VG-40N11-1C17			
INSULATION				P&ID No.			
WELD CLASS				19-A-19-000-1-01-00001 sheet 44			
HEAT TREATMENT							
PAINTING CODE							
REV							
DATE							
ISSUED FOR CONSTRUCTION							
TG							
MW							
TM							
DRAWN UP							
CHKD UP							
APP'D							
1C17							
N / 0							
E							
N							
1							

TECNIMONT		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		Job	EIC	T	Area
				4274	XHDL	2121	VG40N11
				UNIT	19	SHEET	5
						REV	00
PIPING ASSEMBLY DRAWING		PIPING SUPPORT SPECIFICATION		PIPING STANDARD SUPPORT SUMMARY			
19-L-19-000-2-00-00196 sheet 3		E C T N		XH-LP-000000001			
PIPING ISOMETRIC LIST		PIPING TYPICAL INSTALLATIONS		WELDING SPECIFICATION			
XH-LD-21210001		E C T N		XH-SW-000000001			

ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION FOR THE COMPONENT MARKED AS FIELD WELDED ONE WELDED FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE MARKED

FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4046-XH-LD-19-000-00001






TECNIMONT
Pinto Joaquim
Mechanical Piping Spv.
Joaquim Pinto
07/03/2024



AUTHORISED FOR CONSTRUCTION

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

JOINT TYPE	PIPE TYPE	JOINT TYPE	PIPE TYPE	JOINT TYPE	PIPE TYPE	JOINT TYPE	PIPE TYPE	JOINT TYPE	PIPE TYPE
SW	G	SW	S	LET	LET	SCB	S	SCB	S
FW	S	FW	S	LF	LF	SCF	S	SCF	S
LA	RF	BLW	S	MTW	M	THD	TH	THD	TH

 MECOWIDE <small>ingegneria chimica</small>	Prep.:	TG	PROC. NR:	PCL 22635
	Status:	IFC	Date:	11-09-2023 Rev: 00
Dimensional:	Signature:			
Before Welding	180923 			
After Welding	01023 			
* Assimilate 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.
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIP010B13STD> (L-7805).	3	I117921	1.2 M
2	REDUCING SOCKLETS MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01510> (L-343).	3X1/2	I1651336	1
3	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955).	3	I128599	1
4	WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R153STD> (L-149).	3	I4217820	5

ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
5	GASKETS SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP1S12 <N/A> (N/A)	3	I63508913	4
6	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	16
7	VALVES IN-LINE ITEMS BALL VALVE API 608 150# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL LE ASME B16.5 V04JDC28BTR NREQD <B43L-BA1434> (L-BA1434).	3	I8683141	1
8	SUPPORTS STAKES SUPPORTS ST01 HEA120	3	99	1
9	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	99	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)	LENGTH (MM)
<1>	586	3"	F28	F	3"	BW	BJ04	3"	5/8"
<2>	386	3"	S29	S	3"	BW	BJ05	3"	5/8"
<3>	196	3"	S30	S	3"	BW	BJ06	3"	5/8"
			S31	S	1/2"	OL	BJ07	3"	5/8"
			F32	F	1/2"	SW			
			S33	S	3"	BW			
			S34	S	3"	BW			
			S35	S	3"	BW			
			S36	S	3"	BW			

INCH METER	
PIPE NS (IN)	CL LENGTH (M)
3	2.6

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