

 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-310-000026_RFI671 MOD-ITP-XL_220
		RFI Nr.: 671	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000026_RFI671 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2121-VZ40P01-3-SP01;2121-VG40Z03-2-SP01-ZZ;2121-VG40P14-1-SP03;2121-VG40P14-1-SP02;2121-VG40P14-1-SP01;2121-VA49A07-1-SP01;2121-VA40Y02-1-SP02;2121-VA40Y02-1-SP01;2121-VA40U10-2-SP02;2121-VA40U10-1-SP01;2121-VA40U02-2-SP03;2121-VA40U02-2-SP02;2121-VA40U02-1-SP01;2121-MOD40Z24-1-SP01;2121-LPN91S10-1-SP04;2121-LPN91S10-1-SP03;2121-LPN91S10-1-SP02;2121-LPN91S10-1-SP01;2121-CWS91J51-2-SP03;2121-CWS91J51-2-SP02;2121-CWR40B12-2-SP04;2121-CWR40B12-2-SP03;2121-CWR40B12-2-SP02;2121-CWR40B12-1-SP01;2121-CWR40B06-2-SP01;2121-CWR40B06-1-SP03;2121-CWR40B06-1-SP02-ZZ;2121-CWR40B04-1-SP04;2121-CWR40B04-1-SP03;2121-CWR40B04-1-SP02;2121-CWR40B04-1-SP01;2121-CWR40B01-1-SP02;2121-CWR40B01-1-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
NW
18/12/2023

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	18/12/2023	Patricia Texeira	Patricia Texeira		
CONTRACTOR	18/12/2023	João Paulo Pinto	João Paulo Pinto		
COMPANY					
(Free)					


Piping SUBC TEN

ISO Summary List

22635 / 2127

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VG40P14-1**

Revision **00**

Priority **6**

Piping Size/Class **3-1C17**

PED Category **I**

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	01	S02 ✓	BW 3x2" ECCENTRIC REDUCER ASME B16.9 A234-3" PIPE - A106-B BE SMLS ✓	541	88166 ✓	CE23008046_3.1.01	5:Vareta	MW.20_BW	03/11/2023	VT-I-063							
04	01	S03 ✓	BW 3" PIPE - A106-B BE SMLS ✓	17	23211709 ✓	23602065	PVX1312824	MW.20_BW	S281								
05	01	S04 ✓	BW 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	228	215148 ✓	CE23002054_3.1.01	5:Vareta	MW.20_BW	03/11/2023	VT-I-063							
07	01	S06 ✓	BW 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	228	215148 ✓	CE23002054_3.1.01	5:Vareta	MW.20_BW	03/11/2023	VT-I-063							
10	01	S01 ✓	BW 2x2" WN FLANGE ASME B16.5 150# A105N RF ✓	36	70HC22 ✓	224878	5:Vareta	MW.20_BW	03/11/2023	VT-I-063							
12	03	S16 ✓	BW 3x2" ECCENTRIC REDUCER ASME B16.9 A234-3" PIPE - A106-B BE SMLS ✓	541	88166 ✓	CE23008046_3.1.01	5:Vareta	MW.20_BW	S281								
13	02	S10 ✓	BW 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	228	215148 ✓	CE23002054_3.1.01	5:Vareta	MW.20_BW	01/11/2023	VT-I-061							
14	02	S11 ✓	BW 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	228	215148 ✓	CE23002054_3.1.01	5:Vareta	MW.20_BW	01/11/2023	VT-I-061							
16	02	S12 ✓	BW 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	228	215148 ✓	CE23002054_3.1.01	5:Vareta	MW.20_BW	01/11/2023	VT-I-061							
18	03	S14 ✓	BW 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	228	215148 ✓	CE23002054_3.1.01	5:Vareta	MW.20_BW	01/11/2023	VT-I-061							
20	03	S15 ✓	BW 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	228	215148 ✓	CE23002054_3.1.01	5:Vareta	MW.20_BW	01/11/2023	VT-I-061							

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: *Patricia Texeira*
Date: *18/12/2023*
Sign: *Patricia Texeira*




QC

APPROVED by Client

Name: *TECNIMONT*
Date: *L. Gomes*
Sign: *NWI*

APPROVED by 3rd party or AI

Name:
Date:
Sign:

 Tecnimont	Punch List PUNCH LIST	IDENTIFICATION CODE		
		SHEET 1 / 1	DOC.CLASS 1	ISSUE 01
 MECWISE <small>ENGINEERING CHALLENGES</small>  <small>ampor</small> <small>Servicio Industrial</small>	ISO ID: 2121 - VG40P14 - 1			

[illegible]

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



FC-2127

					LINE DATA								
					FLUID CODE: VG			LINE NO. 3"-VG-40P14-1C17					
					PIPING MATERIAL CLASS		INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.		
00	14-09-2023	ISSUED FOR CONSTRUCTION			TG	MW	TM	1C17	N / O	E	N	1	19-A-19-000-1-01-00001 sheet 45
REV	DATE	REVISION DESCRIPTION			DRAWN UP	CHKD UP	APP'D	1C17	N / O	E	N	1	19-A-19-000-1-01-00001 sheet 45

Tecnimont		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		JOB	AREA	CODE	N
19-L-19-000-1-00-86196 sheet 3		PIPING SUPPORT SPECIFICATION		4274	XHDL	2121	VG40P14
PIPING ISOMETRIC LIST		PIPING TYPICAL INSTALLATIONS		UNIT	19	SHEET	1
XH-LD-21210001		XH-SL-00000002		REV	00		

BILL OF MATERIALS

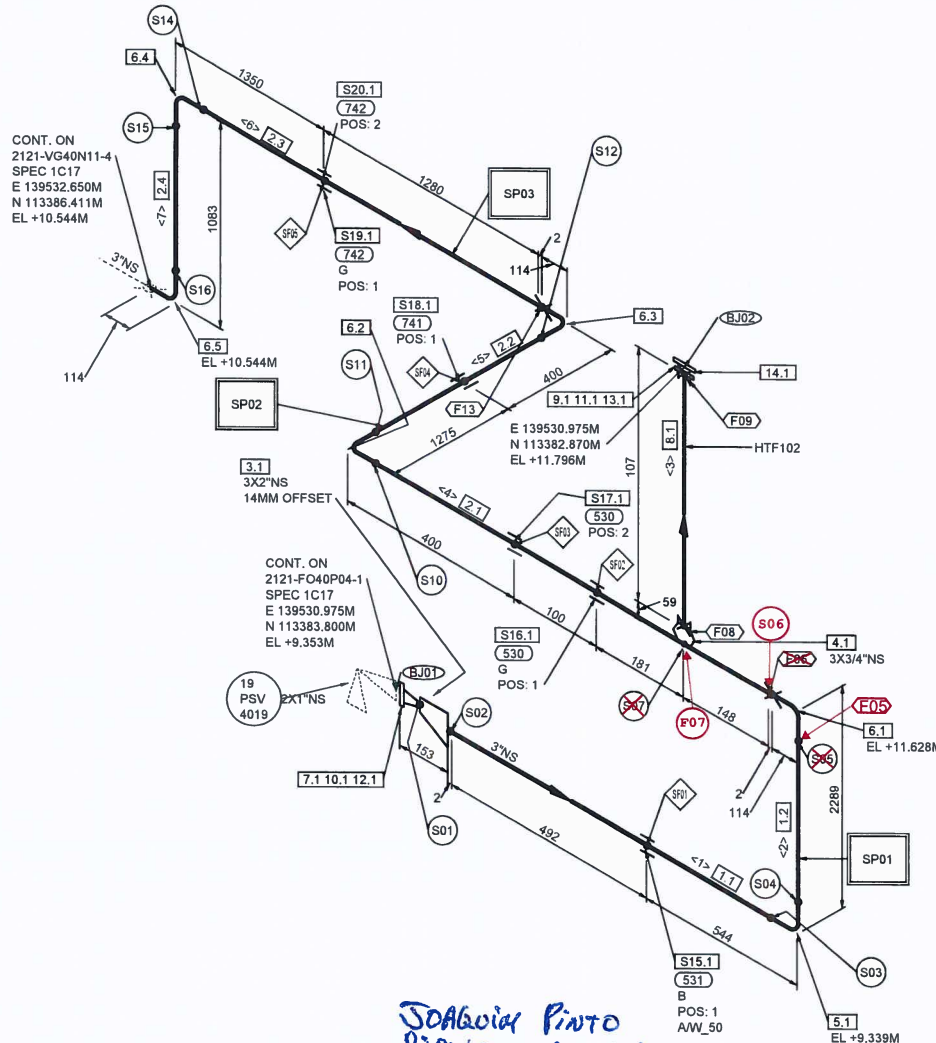
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
PIPE					
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806).	3	1117921	3.0 M	
2	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806).	3	1117921	5.6 M	
FITTINGS					
3	ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22DC04V01 S-STD S-STD <ERE0300F15191415> (L-7959)	3X2	1128082	1	
4	REDUCING SOCKLETT MSS-Sp-97 3000W A105N BE SWE - R13DNC44V01 NREQD <SOKA300LB01511> (L-343)	3X3/4	11651368	1	
5	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955).	3	1128599	1	
6	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955)	3	1128599	5	
FLANGES					
7	WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01DC04B0V05 S-STD <WNFA300R1525TD> (L-149)	2	15355795	1	

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
ERECTION MATERIALS					
PIPE					
8	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A134XS> (L-6679)	3/4	1132785	0.1 M	
FLANGES					
9	SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02DC04B105 S-XS <SWFA300R1534XS> (L-295)	3/4	15378342	1	
GASKETS					
10	SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP11S12 <N/A> (N/A)	2	163508906	1	
11	SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP11S12 <N/A> (N/A)	3/4	163508895	1	
BOLTS					
12	STUD BOLTS/NUTS ASME B18.31 2/ B18.2.2 A193-B7A194-2H INCH SIZE I010B0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 85 mm Length	5/8	153437429	4	
13	STUD BOLTS/NUTS ASME B18.31 2/ B18.2.2 A193-B7A194-2H INCH SIZE I010B0301 <SB2R51G1/221/2> - 2 NUTS PER BOLT - 65 mm Length	1/2	153437190	4	
VALVES / IN-LINE ITEMS					
14	BLIND FLANGE ASME B16.5 150# A105N RFFE NREQD 125 - 250 AARH F10DC04B005 <BLFA300R1534> (L-140)	3/4	11652356	1	
SUPPORTS					
15	GUIDE AND STOP HORIZ VERT SUPPORT-N1B1	3	531	1	
16	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	530	1	
17	VERTICAL STAKES WELDED TO STR. ST42 L100X100X10	3	741	1	
18	WELDED BRACKET TO STRUCT. SB01 L100X100X10	3	742	1	
19	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	742	1	
20	VERTICAL STAKES WELDED TO STR. ST46 HEA100	3	742	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)
<1>	920	3"	S01	S	2"	BW	BJ01	2"
<2>	2157	3"	S02	S	3"	BW	BJ02	3/4"
<3>	100	3/4"	SF01	F	3"	FT		
<4>	712	3"	S03	S	3"	BW		
<5>	1443	3"	S04	S	3"	BW		
<6>	2644	3"	S05	S	3"	BW		
<7>	851	3"	S06	S	3"	BW		
			S07	S	3"	OL		
			F08	F	3/4"	SW		
			F09	F	3/4"	SW		
			SF02	F	3"	FT		
			SF03	F	3"	FT		
			S10	S	3"	BW		
			S11	S	3"	BW		
			SF04	F	3"	FT		
			S12	S	3"	BW		
			F13	F	3"	BW		
			SF05	F	3"	FT		
			S14	S	3"	BW		
			S15	S	3"	BW		
			S16	S	3"	BW		

INCH METER		
PIPE SIZE (IN)	CL LENGTH (M)	
3	10.5	
2	0.2	
0.75	0.1	

ISOMETRIC NO. 4274-SP-XH-DL-2121-VG40P14-1-S00			SPOOLING REV NO. 00	
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MECUIDE		Prep.	TG	PROC. NR.	PCL 22635
Ind (Sines-Industria)		Status:	IPC	Date:	14-09-2023
Dimentional:		Signature:			
Before Welding		After Welding			
FW		* Assinale deviation in the drawings (* n° or ° n°)			
LA		Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)			

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
BW	G	BW	B	LET	LET	SOB	B
FW	B	SBW	B	UF	RF	BOF	B
LA	RF	BLW	B	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