

 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 PIPING SUBC TEN	
COMPANY				
(Free)				

ISO Summary List

22635 / 1475

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-LPN91S10-1** ✓

Revision **00**

Priority **6**

Piping Size/Class **2-HC150A01**

PED Category **Art 4.3**

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
03	04	S14	BW	2" PIPE - A106-B BE SMLS ✓ 2" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	16 339	23101884 ✓ 73 ✓	23310545 CE23001995_3.1_01	5:Vareta PVX1312824	MW.20_BW S138	31/10/2023 VT-I-060							
05	03	S12	BW	2" PIPE - A106-B BE SMLS ✓ 2" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	16 339	23101884 ✓ 73 ✓	23310545 CE23001995_3.1_01	5:Vareta PVX1312824	MW.20_BW S138	31/10/2023 VT-I-060							
06	04	S15	BW	2" PIPE - A106-B BE SMLS ✓ 2" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	16 339	23101884 ✓ 73 ✓	23310545 CE23001995_3.1_01	5:Vareta PVX1312824	MW.20_BW S138	31/10/2023 VT-I-060							
08	02	S07	BW	2" PIPE - A106-B BE SMLS ✓ 2" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	16 339	23101884 ✓ 73 ✓	23310545 CE23001995_3.1_01	5:Vareta PVX1312824	MW.20_BW S138	31/10/2023 VT-I-060							
10	02	S06	BW	2" PIPE - A106-B BE SMLS ✓ 2" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	16 339	23101884 ✓ 73 ✓	23310545 CE23001995_3.1_01	5:Vareta PVX1312824	MW.20_BW S138	31/10/2023 VT-I-060							
12	01	S04	BW	2" PIPE - A106-B BE SMLS ✓ 2" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	16 339	23101884 ✓ 73 ✓	23310545 CE23001995_3.1_01	5:Vareta PVX1312824	MW.20_BW S138	31/10/2023 VT-I-060							
13	01	S03	BW	2" PIPE - A106-B BE SMLS ✓ 2" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓	16 393	23101884 ✓ 93 ✓	23310545 CE23002007_3.1_01	5:Vareta PVX1312824	MW.20_BW S138	31/10/2023 VT-I-060							
14	01	S02	BW	2" PIPE - A106-B BE SMLS ✓ 2" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓	16 393	23101884 ✓ 93 ✓	23310545 CE23002007_3.1_01	5:Vareta PVX1312824	MW.20_BW S138	31/10/2023 VT-I-060							

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: *Patrícia Teixeira*
Date: *18/12/2023*
Sign: *Patrícia Teixeira* 

QC




APPROVED by Client

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

18/12/2023

APPROVED by 3rd party or AI

Name:
Date:
Sign:

 Tecnimont	<p>Punch List</p> <p>PUNCH LIST</p>	<p>IDENTIFICATION CODE</p>		
		<p>SHEET</p> <p>1 / 1</p>	<p>DOC.CLASS</p> <p>1</p>	<p>ISSUE</p> <p>01</p>
 MECWISE <small>ENGINEERING CHALLENGES</small>  <small>ampor</small> <small>Ampor Industrial</small>	<p>ISO ID: 2121 - LPN91S10 - 1</p>			

[illegible]

JOAQUIM PINTO PIPING SUP. TEM JOAQUIM PINTO 18/12/2023	NOTES AND REMARKS NO COMMENTS 18/12/2023	L. Gomes NWI	R <input checked="" type="checkbox"/> W <input type="checkbox"/>
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	DATE (dd-Mmm-YYYY)	NAME	SIGNATURE
SUBCONTRACTOR			
CONTRACTOR			
COMPANY			
(Free)			



FLUID CODE: LPN				LINE NO. 2"-LPN-91S10-1C13			
PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.		
1C13	N / O	E	N	1	19-A-19-000-1-01-00001 sheet 115		
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D		
00	28-08-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM		



PIPING ISOMETRIC

IDENTIFICATION CODE

Job	Area	Sheet	Rev
4274	XHDL	2121	LPN91S10
UNIT	19	SHEET	1
			REV 00
PLANT: SINES INDUSTRIAL COMPLEX			
CLIENT REF: REPSOL POLYMEROS			
PIPING ASSEMBLY DRAWING: 19-L-15-000-2-00-85196 sheet 2			
PIPING SUPPORT SPECIFICATION: XH-SG-000000001			
PIPING ISOMETRIC LIST: XH-LD-212100001			
PIPING TYPICAL INSTALLATIONS: XH-SL-000000001			
WELDING SPECIFICATION: XH-SW-000000001			

BILL OF MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B12STD> (L-7806).	2	117862	19.8 M	
2	FITTINGS REDUCING SOCKETLO MSS-SP-97 3000# A105N BE SWE - R13DNC44V01 NREQD <SOKA300LB01411> (L-343).	2X3/4	I7843411	1	
3	45 LR ELBOW ASME B16.9 A234-WPB BE SMLS C02DC04V01 S-STD <45LA200F325TD> (L-7956).	2	I210283	1	
4	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F325TD> (L-7955).	2	I128529	4	

ERECTION MATERIALS

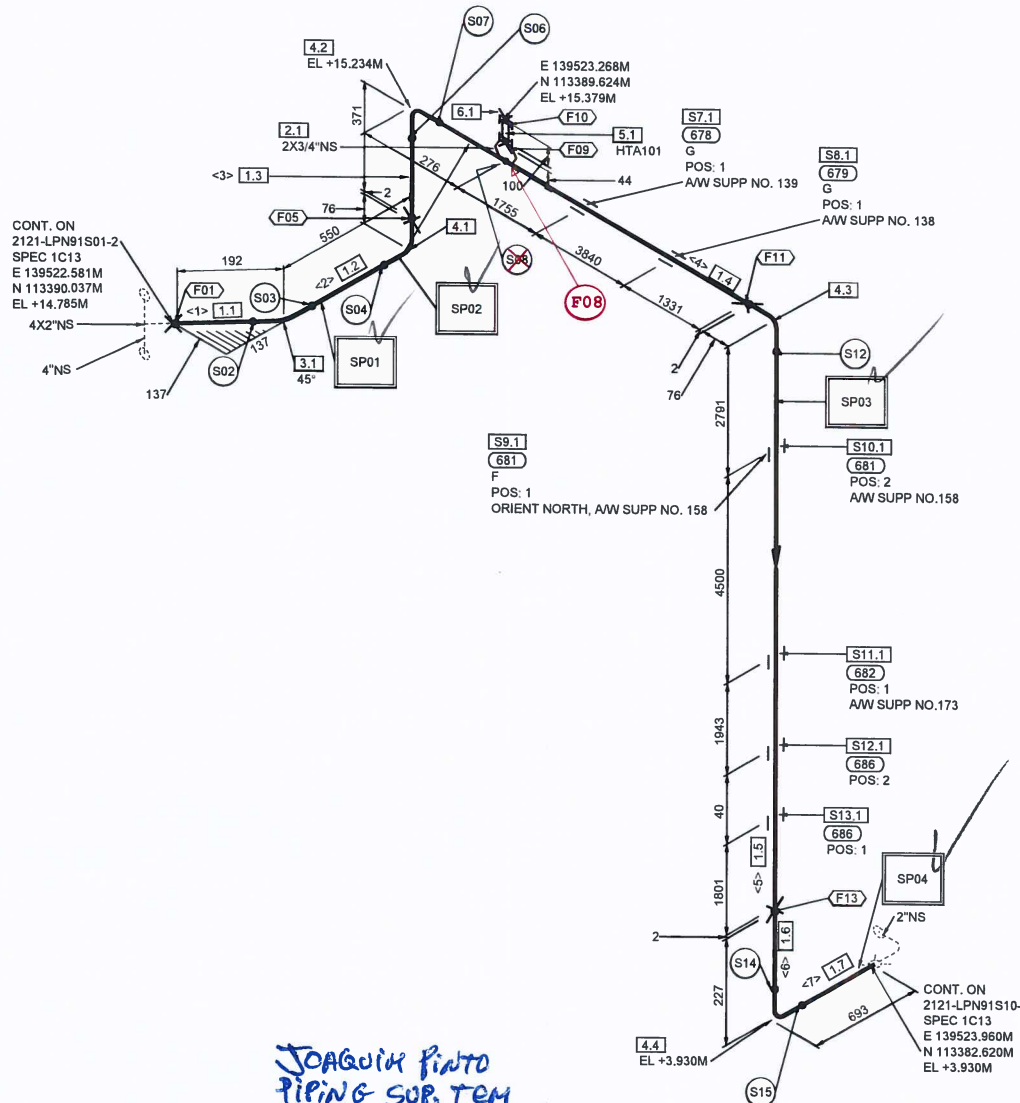
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
5	FITTINGS NIPPLE - A106-B PE MTE SMLS LENGTH 100mm R03AQ032W04 S-XS <NTOA010E1111624> (L-7888).	3/4	I2221184	1	
6	CAP ASME B16.11 3000# A105N FTE NREQD - R41FNC442001 NREQD <CATA300KBK3/4> (L-79).	3/4	I1651686	1	
7	SUPPORTS STANDARD GUIDE FOR NOT INS. PIPING-N1G1	2	678	1	
8	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	2	679	1	
9	STOP HORIZ VERT FOR NOT INS. PIPING-N1F1	2	681	1	
10	U BOLT (FOR GUIDE)-P02D	2	681	1	
11	U BOLT (FOR GUIDE)-P02D	2	682	1	
12	WELDED BRACKET TO STRUCT. S802 L80X80X10	2	686	1	
13	U BOLT (FOR GUIDE)-P02D	2	686	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)	SIZE (IN)	LENGTH (MM)
<1>	155	2"	F01	F	2"	BW				
<2>	435	2"	S02	S	2"	BW				
<3>	293	2"	S03	S	2"	BW				
<4>	7124	2"	S04	S	2"	BW				
<5>	10997	2"	F05	F	2"	BW				
<6>	149	2"	S06	S	2"	BW				
<7>	615	2"	S07	S	2"	BW				
			F08	F	3/4"	OL				
			F09	F	3/4"	SW				
			F10	F	3/4"	SW				
			F11	F	2"	BW				
			S12	S	2"	BW				
			F13	F	2"	BW				
			S14	S	2"	BW				
			S15	S	2"	BW				

INCH METER	
PIPE SIZE (IN)	CL LENGTH (M)
2	27.7
0.75	0.1

ISOMETRIC NO. 4274-SP-XH-DL-2121-LPN91S10-1-IS00

SPOOLING REV NO. 00



JOAQUIM PINTO
PIPING SUP. TEM
Joaoquim Pinto 18/12/2023



AUTHORISED FOR CONSTRUCTION

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

LEGENDA

JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE
BW	G	BW	B	LET	LET	BOB	B
FW	B	SB	B	UP	RF	BOF	B
LA	RF	BLW	B	MTW	M	THD	TH

MECWIDE	Prep: TG	PROC. NR: PCL 22635
Dimensional:	Status: IFC	Date: 28-08-2023
Before Welding	Signature:	Rev: 00
After Welding		

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

PROJECT: LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) FOR PROJECT - ALBA PROJECT

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