

 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-310-000046_RFI914 MOD-ITP-XL_220	RFI Nr.: 914
Unit -		Date :	
Plant Area -			
Isometric Number			
Inspection Package Number		IP-WSR-P-310-000046_RFI914 - IP Spool Release From Workshop	

Sheet 01/01

The Present Inspection Package contains the following Elements:

2211-FW68T63-2-SP01;2211-FW68T62-1-SP02;2211-FW68T62-1-SP01;2121-CWS40B04-2-SP04;2121-CWS40B04-2-SP03;2121-CWS40B04-2-SP02;2121-CWS40B04-1-SP01-ZZ;2121-VA49A04-3-SP13;2121-VA49A02-3-SP06;2121-VA40P04-2-SP03;2121-VA40P04-2-SP02;2121-VA00108-1-SP02;2121-VA00108-1-SP01;2121-LPN91S10-2-SP07;2121-LPN91S10-2-SP06;2121-LPN91S10-2-SP05;1123-N72007-1-SP01;1123-N72006-1-SP02;1123-N72006-1-SP01;1123-JWS64035-1-SP01;1123-JWR72003-1-SP01;1123-BU73047-1-SP02;1123-BU73047-1-SP01;2211-N91M32-3-SP01;2211-VRG50B04-1-SP02;2211-VRG52A01-1-SP01;2211-VRG50B04-3-SP05;2211-VRG50B04-3-SP04;2211-VRG50B04-3-SP03;2211-VRG50B04-3-SP01-ZZ

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  
05/02/2024

 **TECNIMONT**

L. Gomes  
NWI

05/02/2024

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
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	Date [DD-MMM-YYYY]	Name	Signature
SUBCONTRACTOR	05/02/2024	Patricia Teixeira	Patricia Teixeira
CONTRACTOR			
COMPANY			
(Free)			

QC

# ISO Summary List

# 22635 / 2122

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-CWS40B04-1**

Revision **00**

Priority **6**

Piping Size/Class **4-B-1**

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
01	S02	OL	4" PIPE - A106-B BE SMLS 4x.75" REDUCING SOCKOLET MSS SP-97 3000	19 425	23101887 244301	23310548 CE/2022/1596	16:Vareta PVX2911394	MW.20_SBR	03/11/2023 B371	VT-I-063	MT: MT-I-031-A						
03	S01	BW	4x4" WN FLANGE ASME B16.5 150# A105N RF 4" PIPE - A106-B BE SMLS	36 19	10EE23 23101887	224878 23310548	16:Vareta PVX2911394	MW.20_BW	03/11/2023 B371	VT-I-063		RT: RT-I-0267					

## 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 Teixeira*  
Date: *25/02/2024*  
Sign: *Patricia Teixeira*

## APPROVED by Client

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

## APPROVED by 3rd party or AI

Name:  
Date:  
Sign:

QC

*05/02/2024*





## 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	2.2 M	
2	FLTINGS REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREGD <SOKA300LB01611> (L-343)	4X3/4	I1651369	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
	<u>PIPE</u>				
4	PIPE - A106-B PE SMLS T01AC03202 S-XS <PIPA010A13/4XS> (L-6679)	3/4	I132785	0.2 M	
	<u>FITTINGS</u>				
5	NIPPLE - A106-B PE MITE SMLS LENGTH 100mm R03AQ0C32W04 S-XS <NTOQA010E1111624> (L-7888)	3/4	I2221184	1	
6	CAP ASME B16.11 3000W A105N FTE NREQD - R41FNC442001 NREQD <CATA300KBK3/4> (L-79)	3/4	I1651686	1	
	<u>GASKETS</u>				
7	FLAT RING GASKET ASME B16.21 150W RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2OR01 <NMGQ009R1FC4> (L-NMG11)	4	I1169033	3	
	<u>BOLTS</u>				
8	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/4194-2H INCH SIZE J010B0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length	5/8	I53437440	8	
9	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/4194-2H INCH SIZE J010B0301 <SB2R51G5/841/4> - 2 NUTS PER BOLT - 105 mm Length	5/8	I53437269	8	
	<u>SUPPORTS</u>				
10	WELDED EXTENSIONS-EW05 DN2 = 3 L = 443	4	551	1	
11	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	551	1	

## CUT LIST

PIECE NO.			WELD DATA				BOLT DATA			
PIECE NO.	LENGTH (MM)	SIZE (IN)	WELD NO.	WELD CAT.	SIZE (IN)	WELD TYPE	BOLT NO.	FLANGE SIZE(IN)	SIZE (IN)	LENGTH (MM)
<1>	101	3/4"	S01	S	4"	BW	BJ01		5/8"	90
<2>	2178	4"	S02	S	3/4"	OL	BJ02	4"	5/8"	105
			F03	F	3/4"	SW				
			F04	F	3/4"	SW				
			F05	F	3/4"	SW				
			F06	F	3/4"	SW				

## WELD LIST

	WELD NO	WELD CAT.	SIZE (IN)	WELD TYPE
	S01	S	4"	BW
	S02	S	3/4"	OL
	F03	F	3/4"	SW
	F04	F	3/4"	SW
	F05	F	3/4"	SW
	F06	F	3/4"	SW

## BOLT LIST

BOLT NO	FLANGE SIZE(IN)	SIZE (IN)	LENGTH (MM)
BJ01	4"	5/8"	90
BJ02	4"	5/8"	105

INCH METER

PIPE NS (IN)	CL LENGTH (M)
4	6.8
0.75	0.2

ISOMETRIC NO. 4274-SP-XH-DL-2121-CWS40B04-1-IS00

SPOOLING REV NO. 00

SHEET NO. 1 OF 1

This document is Technimon's property, and cannot be used by others for any purpose without prior written consent.

L DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1, 1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION  
GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 0408-XH-SG-00000000000000  
FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 0408-XH-L-10-0000-000001

IN LINES 1, 1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED FOR THE COMPONENT MARKED AS FIELD WELDED, ONE WELDED FOR ADJUSTMENT OF IN-LINE COMPONENT FIELD WELD SYMBOL. FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE MARKED

Notes.

AUTHORISED FOR CONSTRUCTION

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


TAIL NORTH  
JACK SCREWS TO BE SUPPLIED BY MECHANICAL CONTRACTOR.  
THE DRILLING AND THREADING FOR JACK SCREW SHALL BE  
DONE BY MECHANICAL CONTRACTOR ACCORDING TO PE-L-0100.13 "JACK SCREW".  
SUPPLIED BY 19-PK-4001 PACKAGE VENDOR

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	BW	S	LET	LET	BOB	S
PW	S	SBB	B	LF	RF	DOF	S
1.4	ONE	SLM	S	MDW	LA	TRD	TM

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

 <b>MECWIDE</b> <small>engineered trust · made in India</small>	Prep.: _____	TG _____	PROC. NR.: _____	PCL 22635
	Status: IFC	Date: 14-09-2023	Rev: _____	
Dimensional:	Signature: _____			
Before Welding	021123			
After Welding	031023			
<p>* Assinilate deviation in the drawings ("+" or "-").</p> <p>Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)</p>				

HEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP)  
PROJECT - ALBA PROJECT

**TECNIMONT**  
**Pinto Joaquim**  
**Mechanical Piping Spv.**  
*Joaquim Pinto*  
05/02/2024

