

 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-310-000030_RFI727_MOD-ITP-XL_220	
		RFI Nr.: 727	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000030_RFI727 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:


2121-VG40P10-3-SP05;2121-VG40P10-3-SP04;2121-VG40P10-3-SP03;2121-VG40P10-2-SP02;2121-VG40P10-1-SP01;2121-VG40P02-2-SP05;2121-VG40P02-2-SP04;2121-VG40P02-2-SP03;2121-VG40P02-2-SP02;2121-VG40P02-2-SP01;2121-HCM40C01-1-SP02;2121-HCM40C01-1-SP01;2121-ET40J11-1-SP01;2121-ET40F04-7-SP16;2121-ET40F04-7-SP15;2121-ET40F04-5-SP10;2121-ET40F04-5-SP09;2121-ET40F04-3-SP04;2121-ET40F04-10-SP12;2121-ET40F04-10-SP11;2121-ET40A07-5-SP09;2121-ET40A07-5-SP08;2121-ET40A07-3-SP06;2121-ET40A07-2-SP05;2121-CWS40G02-5-SP05;2121-CWS40G02-5-SP04;2121-CWS40G02-1-SP06;2121-CWR40B02-7-SP05;2121-CWR40B02-7-SP04

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
 04/01/2024


 NoBo 1155
 reviewed by
 witnessed by
 04/01/2024

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
	Date [DD-MMM-YYYY]	Name	Signature		
SUBCONTRACTOR	04/01/2024	Patricia Teixeira	Patricia Teixeira		
CONTRACTOR	04/01/2024	JOAQUIM PINTO	Joaoquin Pinto		
COMPANY					
(Free)					



QC
Piping - SUP. TEM

ISO Summary List

22635 / 1348
Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-ET40F04-10**

Revision **00**

Priority **6**

Piping Size/Class **3-1E21**

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
01	11	S57	BW 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓	228 17	215148 23211709	CE23002054_3.1.01 23310546	16:Vareta PVX2911394	MW.20_BW	03/11/2023 S71	VT-I-063							
02	12	S64	BW 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓	228 17	215148 23211709	CE23002054_3.1.01 23310546	16:Vareta PVX2911394	MW.20_BW	03/11/2023 S71	VT-I-063							
03	12	S65	BW 3" PIPE - A106-B BE SMLS ✓ 3" STRAIGHT TEE ASME B16.9 A234-WPB BE ✓	17 213	23211709 782363	23310546 CE23007078_3.1.01	16:Vareta PVX2911394	MW.20_BW	03/11/2023 S71	VT-I-063							
05	11	S56	BW 3" PIPE - A106-B BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	17 228	23211709 215148	23310546 CE23002054_3.1.01	16:Vareta PVX2911394	MW.20_BW	03/11/2023 S71	VT-I-063							
06	11	S58	BW 3" PIPE - A106-B BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	17 228	23211709 215148	23310546 CE23002054_3.1.01	16:Vareta PVX2911394	MW.20_BW	03/11/2023 S71	VT-I-063							
10	12	S63	BW 3" PIPE - A106-B BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	17 228	23211709 215148	23310546 CE23002054_3.1.01	16:Vareta PVX2911394	MW.20_BW	03/11/2023 S71	VT-I-063							

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: *04/01/2024*
Sign: *Patricia Teixeira*  **QC**

APPROVED by Client

Name: **TECNIMONT**
Date: *04/01/2024*
Sign: *L. Gomes*  **W**

APPROVED by 3rd party or AI

Name: *João Amaro*
Date: *04/01/2024*
Sign: *SGS*  **SGS**
NoBo 1155 ☐ witnessed by


FABRICATION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	<u>PIPE</u>				
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806)	3	I117921	11.0 M	
	<u>FITTINGS</u>				
2	STRAIGHT TEE ASME B16.9 A234-WPB BE SMLS C31DC04V01 S-STD <TEBA200F3151515> (L-6955)	3X3	I129163	1	
3	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300L.B01511> (L-343)	3X3/4	I1651368	1	
4	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955)	3	I128599	3	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
5	PIPE PIPE - A106-B PE SMLS T01AC03202 S-XS <P1PA010A13/4XS> (L-6679)	3/4	I132785	0.1 M	
6	FLANGES SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 ARAH F02CFC44B105 S-XS <SWFA300R353/4XS> (L-375)	3/4	I8762190	1	
7	GASKETS SPIRAL WOUND GASKET ASME B16.20 300# RTBTE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03G3P1S12 <N/A> (N/A)	3/4	I63508950	1	
8	BOLTS STUD BOLTS&NUTS ASME B18.31/2 B18.2.1 A93-B7/194-2H INCH SIZE I010B0301 <SB2R51G5/831 4> - 2 NUTS PER BOLT - 80 mm Length	5/8	I53437418	4	
9	VALVES / IN-LINE ITEMS BLIND FLANGE ASME B16.5 300# A105N RFFE NREQD 125 - 250 ARAH F10CFC44B005 <BLFA300R353/4> (L-143)	3/4	I1652375	1	
10	SUPPCHS STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	435	1	
11	VERTICAL STAKES WELDED TO STR. ST42 L80X80X10	3	436	1	
12	WELDED BRACKET TO STRUCT. SB01 L80X80X10	3	445	1	
13	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	436	1	
14	VERTICAL STAKES WELDED TO STR. ST42 L80X80X10	3	436	1	

CUT LIST

PIECE			WELD				BOLT			
NO	LENGTH (MM)	SIZE (IN)	WELD NO	WELD CAT.	SIZE (IN)	WELD TYPE	BOLT NO	FLANGE SIZE(IN)	SIZE (IN)	LENGTH (MM)
<1>	296 996	3"	F55	F	3"	BW	BJ06	3/4"	5/8"	80
<2>	4137	3"	S56	S	3"	BW				
<3>	100	3/4"	S57	S	3"	BW				
<4>	696 6478	3"	S58	S	3"	BW				
<5>	225	3"	F59	F	3"	BW				
			660 F60		3/4"	CL				
			F61	F	3/4"	SW				
			F62	F	3/4"	SW				
			S63	S	3"	BW				
			S64	S	3"	BW				
			S65	S	3"	BW				

WELD LIST

WELD NO	WELD CAT.	SIZE (IN)	WELD TYPE
F55	F	3"	BW
S56	S	3"	BW
S57	S	3"	BW
S58	S	3"	BW
F59	F	3"	BW
F60 F60	F F	3/4"	OL
F61	F	3/4"	SW
F62	F	3/4"	SW
S63	S	3"	BW
S64	S	3"	BW
S65	S	3"	BW

BOLT LIST

	BOLT NO	FLANGE SIZE(IN)	SIZE (IN)	LENGTH (MM)
	BJ06	3/4"	5/8"	80

INCH METER

PIPE NS (IN)	CL LENGTH (M)
3	18.3
0.75	0.1

ISOMETRIC NO. 4274-SP-XH-DL-2121-ET40F04-10-IS00


ST. JOSEPH'S REV. NO. 33

<p> LINES 1/12" 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 MUST BE LEFT FIELD WELD SYMBOL FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE MARKED </p>	<p> ALL DIMENSION AND PROPER CONFIGURATION FOR LINES 1/8" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4046-XH-LL-10-00000-000001 </p>
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AUTHORISED FOR CONSTRUCTION

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

LEGENDS							
JOINT TYPE	HMSL TYPE OF JOINT	JOINT TYPE	HMSL TYPE OF JOINT	JOINT TYPE	HMSL TYPE OF JOINT	JOINT TYPE	HMSL TYPE OF JOINT
BW	G	BW	B	LET	LET	SDB	B
FW	B	SDB	B	LF	RF	SOF	B

 MEC WIDE <small>ENGINEERING WELDING & DESIGN</small>	Prep.: _____	TG _____	PROC. NR.: _____	PCL 22635
	Status: IFC	Date: 22-08-2023	Rev: 01	
Dimensional:	Signature: _____			
Before Welding	2/11/2023			
After Welding	3/11/2023			

* Assinalate deviation in the drawings ("e" or "-").

Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)

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

CONT. ON
2121-ET40F04-9
SPEC 1E21
E 139532.595M
N 113394.472M
EL +24.531M

CONT. ON
2121-ET40F04-8
SPEC 1E21
E 139532.595M
N 113394.386M
EL +24.445M

CONT. ON
2121-ET40F04-4
SPEC 1E21
E 139528.225M
N 113387.775M
El. +24.645M

JOAQUIM PINTO
PIPING SUP. TEM
Joaquim Pinto 01/01/2023



AS BUILT

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