

 TECNIMONT Tecnimont S.p.A.	 REPSOL REPSOL POLIMEROS SA	4274_CONST 4274-ALBA PROJECT-PP AND PEL PLANTS	
MOD-ITP-XL_220 RELEASE OF SPOOLS FROM WORKSHOP Rev.1		Report n° IP-WSR-P-310-000012_MOD-ITP-XL_220 RFI Nr.: 325 Date :	
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000012 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2211-VRG50A08-3-SP04;2211-VRG50A08-3-SP02;2211-VRG50A08-3-SP03;2211-VRG50A08-3-SP01;1121-HCM31015-7-SP01;1121-HCM24069-3-SP15;1121-HCM23060-1-SP02;1121-HCM23060-1-SP01;2211-VRG50A01-2-SP02;2211-VRG50A01-2-SP01;2121-VRG41B09-3-SP13;2121-VRG41B09-3-SP12;2121-VRG41B09-2-SP11;2121-VRG41B09-2-SP10;2121-ET40J06-1-SP02;2121-ET40J06-1-SP01;2121-ET40F05-4-SP07;2121-ET40F05-3-SP06;2121-ET40F05-3-SP05;2121-ET40F05-2-SP04;2121-ET40F05-1-SP03;2121-ET40F05-1-SP02;2121-ET40F05-1-SP01;2121-CWR40B02-8-SP10;2121-COM40A01-4-SP07;2121-COM40A01-2-SP02;1121-PR50010-2-SP06;1121-PR50010-2-SP05;1121-PR50010-2-SP04;2121-HXE10C36-1-SP04;2121-HXE10C36-1-SP03;2121-HXE10C36-1-SP02;2121-HXE10C36-1-SP01;2121-ET40S05-1-SP02;2121-ET40S05-1-SP01;1121-PR35013-2-SP06;1121-PR35013-2-SP05;1121-PR34024-1-SP01;1121-PR43040-1-SP01;1121-PR35019-1-SP03;1121-PR35019-1-SP02;1121-PR35019-1-SP01;1121-LS24013-1-SP01;1121-HCM24068-1-SP02;1121-HCM24068-1-SP01;1121-HCM24067-2-SP02;1121-HCM24067-2-SP01;1121-HCM24067-1-SP05;1121-HCM24067-1-SP04;1121-HCM24067-1-SP03;1121-ET40007-1-SP01;1121-CHWR21008-1-SP03;1121-BDL34018-2-SP04;1121-BDL34018-2-SP03;7111-ET20C01-6-SP12;7111-ET20C01-6-SP11;1111-PR24033-2-SP02;1111-PR24033-2-SP01

JOAQUIM PINTO
PIPING S.P. TEM
Joaquim Pinto 30/10/2023

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"

SGS
Reviewed by
Witnessed by
30/10/2023

TECNIMONT
L. Gomes
NW1
30/10/2023

Signature

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
SUBCONTRACTOR					
CONTRACTOR					
COMPANY					
(Free)					

ISO Summary List

22635 / 1364

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-ET40J06-1**

Revision **00**

Priority **6**

Piping Size/Class **2-1E21**

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	Repair 1	Repair 2
01	S02	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/Varela PVX1312824	MW.20_BW S138	28/08/2023	VT-I-012							
02	S03	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/Varela PVX1312824	MW.20_BW S138	28/08/2023	VT-I-012							
03	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/Varela PVX1312824	MW.20_BW S138	28/08/2023	VT-I-012							
05	S06	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/Varela PVX1312824	MW.20_BW S138	28/08/2023	VT-I-012							
06	S07	BW	2" 45 LR ELBOW ASME B16.9 A234-WPB BE S 2" PIPE - A106-B BE SMLS	393 16	93 23101884	CE23002007_3.1_01 23310545	5/Varela PVX1312824	MW.20_BW S138	28/08/2023	VT-I-012		RT: RT-I-0102					


☒ reviewed by
☐ witnessed by

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: *25/10/2023*

Sign: *Patricia Teixeira*

QC

APPROVED by Client

Name: **TECNIMONT**

Date: *L. Gomes*

Sign: *L. Gomes*

APPROVED by 3rd party or AI

Name: *João Amaro*

Date: *30/10/2023*

Sign: *João Amaro*



					LINE DATA							
					FLUID CODE: ET			LINE NO. 2"-ET-40J06-1E21				
					PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.		
00	22-08-2023	ISSUED FOR CONSTRUCTION		TG	MW	TM						
REV	DATE	REVISION DESCRIPTION		DRAWN UP	CHKD UP	APP'D	1E21	N / 0	E	N	1	19-A-19-000-1-01-00001 sheet 40

IDENTIFICATION CODE									
Job	ET	Area	N						
4274	XHDL	2121	ET40J06						
UNIT	19	SHEET	1	REV	00				
PIPING ASSEMBLY DRAWING		PIPING SUPPORT SPECIFICATION		PIPING STANDARD SUPPORT SUMMARY					
19-L-19-000-2-00-86196 sheet 4		XH-SG-000000002		XH-LP-000000001					
PIPING ISOMETRIC LIST		PIPING TYPICAL INSTALLATIONS		WELDING SPECIFICATION					
XH-LD-21210001		XH-SL-000000002		XH-SW-000000001					

BILL OF MATERIALS

FABRICATION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B12STD> (L-7806)	2	I117862	7.7 M	
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F32STD> (L-7955)	2	I128529	2	
3	45 LR ELBOW ASME B16.9 A234-WPB BE SMLS C02DC04V01 S-STD <45LA200F32STD> (L-7956)	2	I210283	1	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
4	SUPPORTS STANDARD GUIDE FOR NOT INS. PIPING-N1G1	2	281	1	
5	STOP HORIZ VERT FOR NOT INS. PIPING-N1F1	2	453	1	
6	U BOLT (FOR GUIDE)-P02D	2	453	1	

CUT 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>	888	2"	F01	F	2"	BW				
<2>	2198	2"	S02	S	2"	BW				
<3>	170	2"	S03	S	2"	BW				
<4>	4440	2"	S04	S	2"	BW				
			F05	F	2"	BW				
			S06	S	2"	BW				
			S07	S	2"	BW				
			SF01	F	2"	FT				

BOLT LIST			
BOLT NO	FLANGE SIZE(IN)	SIZE (IN)	LENGTH (MM)

INCH METER	
PIPE NS (IN)	CL LENGTH (M)
2	8.2

ISOMETRIC NO. 4274-SP-XH-DL-2121-ET40J06-1-IS00									
SPOOLING REV NO. 00									

AUTHORISED FOR CONSTRUCTION

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

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	SW	S	LET	LET	SOB	B
FW	S	SIB	B	LF	RF	SOF	S
LA	RF	SLW	S	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

MECWISE		Prep.: TG	PROC. NR: PCL 22635		
Status: IFC		Date: 22-08-2023	Rev: 00		
Dimensional:		Signature:			
Before Welding		27/8/2023			
After Welding		28/8/2023			
* Assinalate deviation in the drawings ("+" n" or "- n").					
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)					

TECNIMONT
JOAQUIN PINTO
PIPING SUP
Joaoquin Pinto
AS BUILT