

 Tecnimont S.p.A.	 REPSOL POLIMEROS SA	4274_CONST 4274-ALBA PROJECT-PP AND PEL PLANTS		
		MOD-ITP-XL_220 RELEASE OF SPOOLS FROM WORKSHOP Rev.1		
Unit -				
Plant Area -				
Isometric Number				
Inspection Package Number IP-WSR-P-310-000007 - IP Spool Release From Workshop				

Sheet 01/01

The Present Inspection Package contains the following Elements:




2121-VA40Z05-3-SP06;2121-VA40Z05-3-SP05;2121-VA40Z05-2-SP04;2121-VA40Z05-2-SP03;2121-VA40B01-4-SP03;2121-VA40B01-2-SP08;2121-VA40B01-2-SP07;2121-VA00029-1-SP01;1121-VA34002-2-SP08;1121-VA34002-2-SP07;1121-VA34002-2-SP06;1121-JWR23001-1-SP05;1121-JWR23001-1-SP04;1121-JWR23001-1-SP03;1121-BDL23048-2-SP05;1121-BDL23048-2-SP04;7111-LC91A03-2-SP19;7111-LC91A03-1-SP23;7111-LC91A03-1-SP22;7111-LC91A03-1-SP21;1111-JWS64029-2-SP01;1111-BDL61018-1-SP01;7111-IW00B01-14-SP43;7111-IW00B01-14-SP42;7111-IW00B01-14-SP41;7111-IW00B01-14-SP44;7111-FL52A20-2-SP04;7111-FL52A20-2-SP02;7111-FL52A20-2-SP03;7111-FL14B01-2-SP02;7111-CWR91K03-6-SP15;7111-LS91A12-1-SP01;7111-FL14B02-2-SP02;7111-IW91N09-1-SP02;7111-IW91N09-1-SP01

Spool No.	Ready for destination to: P: Painting (1) W: Wrapping F: Field	NDE Class	Check List					
			Visual Inspect	Traceability OK (2)	Pending NDE / PMI (Yes/No/NA)	PWHT / HARDNESS (Yes/No/NA)	Inside Cleaning (3) (Yes/No/NA)	Spool Identified (Yes/No/NA)

 TECNIMONT

JOAQUIM PINTO
PIPING SOP
Joaquim Pinto

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	Date [DD-MMM-YYYY]	Name	Signature		
CONTRACTOR	11/10/2023	Patricia Teixeira	Patricia Teixeira		
COMPANY	u/10/2023	Luiz Gomes	Luiz Gomes		
(Free)					

 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-310-000007_MOD-ITP-XL_220 RFI Nr.: 274 Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000007 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2121-VA40Z05-3-SP06;2121-VA40Z05-3-SP05;2121-VA40Z05-2-SP04;2121-VA40Z05-2-SP03;2121-VA40B01-4-SP03;2121-VA40B01-2-SP08;2121-VA40B01-2-SP07;2121-VA00029-1-SP01;1121-VA34002-2-SP08;1121-VA34002-2-SP07;1121-VA34002-2-SP06;1121-JWR23001-1-SP05;1121-JWR23001-1-SP04;1121-JWR23001-1-SP03;1121-BDL23048-2-SP05;1121-BDL23048-2-SP04;7111-LC91A03-2-SP19;7111-LC91A03-1-SP23;7111-LC91A03-1-SP22;7111-LC91A03-1-SP21;1111-JWS64029-2-SP01;1111-BDL61018-1-SP01;7111-IW00B01-14-SP43;7111-IW00B01-14-SP42;7111-IW00B01-14-SP41;7111-IW00B01-14-SP44;7111-FL52A20-2-SP04;7111-FL52A20-2-SP02;7111-FL52A20-2-SP03;7111-FL14B01-2-SP02;7111-CWR91K03-6-SP15;7111-LS91A12-1-SP01;7111-FL14B02-2-SP02;7111-IW91N09-1-SP02;7111-IW91N09-1-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"


 JOAQUIM PINTO
 PIPING SUP
 Joaquim Pinto

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	11/10/2023	Patrícia Teixeira	Patrícia Teixeira		
CONTRACTOR	M. Lopes	Luiz Gomes			
COMPANY					
(Free)					

ISO Summary List

22635 / 1241

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VA00029-1**

Revision **00**

Priority **6**

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

PED Category **NA**
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	S03	BW	4" 90 LR ELBOW ASME B16.9 A234-WPB BE ✓ 4" PIPE - A106-B BE SMLS ✓	341 19	17357 ✓ 23211707 ✓	CE23001987_3.1.01 ✓ 23310548 ✓	5-Varela ✓ PVX1312824 ✓	MW.20_BW ✓	17/08/2023 S138	VT-I-005 ✓							
02	S02	BW	4" PIPE - A106-B BE SMLS ✓ 4" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	341 19	17357 ✓ 23211707 ✓	CE23001987_3.1.01 ✓ 23310548 ✓	5-Varela ✓ PVX1312824 ✓	MW.20_BW ✓	17/08/2023 S138	VT-I-005 ✓		RT-RT-I-0068 ✓					
03	S01	BW	4x4" WN FLANGE ASME B16.5 150# A105N RF ✓ 4" PIPE - A106-B BE SMLS ✓	341 36 19	17357 ✓ 10EE23 ✓ 23211707 ✓	CE23001987_3.1.01 ✓ 224878 ✓ 23310548 ✓	5-Varela ✓ PVX1312824 ✓	MW.20_BW ✓	17/08/2023 S138	VT-I-005 ✓							

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: *11/10/2023*

Sign: *Patricia Teixeira*

QC

APPROVED by Client

Name: *Luis Gomes*

Date: *11/10/2023*

Sign: *Luis Gomes*

APPROVED by 3rd party or AI

Name:

Date:

Sign:

REPSOL				LINE DATA						Tecnimont		PIPING ISOMETRIC		IDENTIFICATION CODE				
				FLUID CODE: VA		LINE NO. 4"-VA-00029-B-1				PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		Job	Area	N		
														4274	XHDL	2121	VA00029	
														UNIT	45	SHEET	1	
														REV	00			
00	11-08-2023	ISSUED FOR CONSTRUCTION		TG	MV	TM												
REV	DATE	REVISION DESCRIPTION		DRAWN UP	CHKD UP	APP'D												
				B-1	N / 0	E	N	1	45-A-45-000-1-01-00001 Sheet 4									

BILL OF MATERIALS				
FABRICATION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B14STD> (L-7806)	4	1117953	2.9 M
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F34STD> (L-7955)	4	1128635	1
3	FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA30R154STD> (L-149)	4	15355796	1

ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
4	GASKETS FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ009R1FC4> (L-NMG11)	4	11169033	1
5	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length	5/8	153437440	8

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>	2588	4"	S01	S	4"	BW	BJ01	4"	5/8"	90
<2>	296	4"	S02	S	4"	BW				
			S03	S	4"	BW				

INCH METER	
PIPE NS (IN)	CL LENGTH (M)
4	3.3

ISOMETRIC NO. 4274-SP-XH-DL-2121-VA00029-1-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



Prep:	TG	PROC. NR:	PCL 22635
Status:	IFC	Date:	11-08-2023
Rev:	00	Signature:	
Dimensional:		Signature:	
Before Welding		Signature:	
After Welding		Signature:	
* Assinalate deviation in the drawings ("+" n" or "- n").			
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)			

TECNIMONT

JOAQUIM PINTO
PIPING SUP.
Joaoquim Pinto

AS BUILT

CUT PIPE END AT 45°
PROVIDE BIRD SCREEN
END COMPONENTE 139586.582M
N 113351.170M
EL +2.998M2.1
EL +2.998M

<1>

4"NS

SP01

S01

CONN. TO
2121-ACW-SM-100/VENT
4in/RFFE/150
E 139586.131M
N 113351.170M
EL +0.175M

3.1 4.1 5.1

BJ01

ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION FOR THE COMPONENT MARKED AS FIELD WELDED ONE WELDED FOR ADJUSTMENT OF IN-LINE COMPONENT MUST BE LEFT FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-L-10-0000-00001

FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-L-10-0000-00001