


 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)

  
 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	Patricia Teixeira	Patricia Teixeira
CONTRACTOR	11/10/2023	Luiz Carlos	Luiz Carlos
COMPANY			
(Free)			

 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		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	Patricia Teixeira	Patricia Teixeira		
CONTRACTOR	11/10/2023	Luiz Gomes	Luiz Gomes		
COMPANY					
(Free)					

# ISO Summary List

# 22635 / 1371

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VA40B01-2** ✓

Revision **00**

Priority **6**

Piping Size/Class **8-B4S2**

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	Repair 1	Repair 2
01	07	S32	BW 8" PIPE - A106-B BE SMLS 8" 90 LR ELBOW ASME B16.9 A234-WPB BE S	21 342	23302455 49301	23310550 CE23002000_3_1_01	4 Eletrodo - SBA0910262 5 Vareta - PVX1312824	MW.21_BW	30/08/2023 S46	VT-I-014		RT: RT-I-0106					
02	07	S33	BW 8" 90 LR ELBOW ASME B16.9 A234-WPB BE S 8" PIPE - A106-B BE SMLS	342 21	49301 23302455	CE23002000_3_1_01 23310550	4 Eletrodo - SBA0910262 5 Vareta - PVX1312824	MW.21_BW	30/08/2023 S46	VT-I-014							
03	07	S34	BW 8" PIPE - A106-B BE SMLS 8" 90 LR ELBOW ASME B16.9 A234-WPB BE S	21 342	23302455 49301	23310550 CE23002000_3_1_01	4 Eletrodo - SBA0910262 5 Vareta - PVX1312824	MW.21_BW	30/08/2023 S46	VT-I-014							
04	07	S35	BW 8" 90 LR ELBOW ASME B16.9 A234-WPB BE S 8" PIPE - A106-B BE SMLS	342 21	49301 23302455	CE23002000_3_1_01 23310550	4 Eletrodo - SBA0910262 5 Vareta - PVX1312824	MW.21_BW	30/08/2023 S46	VT-I-014							
05	07	S36	BW 8" PIPE - A106-B BE SMLS 8x8" WN FLANGE ASME B16.5 150# A105N RF	21 37	23302455 01EE23	23310550 224997	4 Eletrodo - SBA0910262 5 Vareta - PVX1312824	MW.21_BW	30/08/2023 S46	VT-I-014							
06	08	S37	BW 8x8" WN FLANGE ASME B16.5 150# A105N RF 8" PIPE - A106-B BE SMLS	37 21	01EE23 23302455	224997 23310550	4 Eletrodo - SBA0910262 5 Vareta - PVX1312824	MW.21_BW	30/08/2023 S46	VT-I-014							
07	07	S31	BW 8x8" WN FLANGE ASME B16.5 150# A105N RF 8" PIPE - A106-B BE SMLS	37 21	01EE23 23302455	224997 23310550	4 Eletrodo - SBA0910262 5 Vareta - PVX1312824	MW.21_BW	30/08/2023 S46	VT-I-014							

## 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

\*4. Eletrodo - SBA0910262

S. Vareta - PVX1312824

*[Signature]*

## APPROVED QC

Name: *Patricia Teixeira*

Date: *11/10/2023*

Sign: *Patricia Teixeira*

QC

## APPROVED by Client

Name: *Luís Gomes*

Date: *11/10/2023*

Sign: *[Signature]*
*[Signature]*

## APPROVED by 3rd party or AI

Name:

Date:

Sign:





REPSOL		LINE DATA										Tecnimont		PIPING ISOMETRIC		IDENTIFICATION CODE				
		FLUID CODE: VA					LINE NO. 8"-VA-40B01-B4S2					PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		Job	Area	N		
														4274	XHDL	2121	VA40B01			
														UNIT	19	SHEET	2	REV	00	
00	22-08-2023	ISSUED FOR CONSTRUCTION					TG	MW	TM											
REV	DATE	REVISION DESCRIPTION					DRAWN	CHKD	APP'D											
							B4S2	N / 0	E	N	1	19-A-19-000-1-01-00001 sheet 30								

BILL OF MATERIALS				
FABRICATION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
1	PIPE PIPE - A106-B BE SMLS TO1AC03V02 S-20 <PIPA010B1820> (L-8210).	8	I117989	15,6 M
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-20 <90LA200F3820> (L-8268).	8	I128675	2
3	FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-20 <WNFA300R15820> (L-149).	8	I818485	3

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 <NMGQ009R1FC8> (L-NMG11)	8	I1169036	2
5	BOLTS STUD BOLTS&NUTS ASME B18.31/2 B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G3/441/4> - 2 NUTS PER BOLT - 110 mm Length	3/4	I53437465	16
6	SUPPORTS STANDARD GUIDE FOR NOT INS. PIPING-N1G1	8	5150	1
7	WELDED BRACKET TO STRUCT. SB02 HEA100	8	5150	1
8	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	8	5136	1
9	WELDED BRACKET TO STRUCT. SB02 HEA100	8	5136	1
10	WELDED BRACKET TO STRUCT. SB02 HEA100	8	5135	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>	8236	8"	S31	S	8"	BW	BJ04	8"	3/4"	110
<2>	382	8"	S32	S	8"	BW	BJ05	8"	3/4"	110
<3>	1926	8"	S33	S	8"	BW				
<4>	5045	8"	S34	S	8"	BW				
			S35	S	8"	BW				
			S36	S	8"	BW				
			S37	S	8"	BW				

INCH METER	
PIPE NS (IN)	CL LENGTH (M)
8	17,0

MECWISE		Prep.	TG	PROC. NR.	PCL 22635
Status:		IFC	Date:	22-08-2023	Rev: 00
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 (Autocontrolo OK)					

LEGEND							
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
L4	RF	SLW	S	MTW	M	THD	TH

NOTES	
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	
ISOMETRIC NO. 4274-SP-XH-DL-2121-VA40B01-2-IS00	
SPOOLING REV NO. 00	