

 Tecnimont S.p.A.	 REPSOL 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-310-000026_RFI671_MOD-ITP-XL_220 RFI Nr.: 671 Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000026_RFI671 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2121-VZ40P01-3-SP01;2121-VG40Z03-2-SP01-ZZ;2121-VG40P14-1-SP03;2121-VG40P14-1-SP02;2121-VG40P14-1-SP01;2121-VA49A07-1-SP01;2121-VA40Y02-1-SP02;2121-VA40Y02-1-SP01;2121-VA40U10-2-SP02;2121-VA40U10-1-SP01;2121-VA40U02-2-SP03;2121-VA40U02-2-SP02;2121-VA40U02-1-SP01;2121-MOD40Z24-1-SP01;2121-LPN91S10-1-SP04;2121-LPN91S10-1-SP03;2121-LPN91S10-1-SP02;2121-LPN91S10-1-SP01;2121-CWS91J51-2-SP03;2121-CWS91J51-2-SP02;2121-CWR40B12-2-SP04;2121-CWR40B12-2-SP03;2121-CWR40B12-2-SP02;2121-CWR40B12-1-SP01;2121-CWR40B06-2-SP01;2121-CWR40B06-1-SP03;2121-CWR40B06-1-SP02-ZZ;2121-CWR40B04-1-SP04;2121-CWR40B04-1-SP03;2121-CWR40B04-1-SP02;2121-CWR40B04-1-SP01;2121-CWR40B01-1-SP02;2121-CWR40B01-1-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"

  
 L. Gomes  
 NWI  
 18/12/2023

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	18/12/2023	Patricia Texeira	Patricia Texeira	
CONTRACTOR	18/12/2023	JOAQUIM RIBEIRO	JOAQUIM RIBEIRO	
COMPANY				
(Free)				

  
 PIPING SUBC TEN

# ISO Summary List

# 22635 / 1502

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VG40Z03-2**

Revision **00**

Priority **6**

Piping Size/Class **2-1C17**

PED Category **Art 4.3**

**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	S01	BW	2x2" WN FLANGE ASME B16.5 150# A105N RF ✓ 2" 45 LATERAL YH-ST-C05 A234-WPB BE ✓	36 174	70HC22 ✓ J2K9052 ✓	224878 ✓ 0012023-63	16-Varela ✓ PVX2911394	MW.20_BW	10/11/2023 S281	VT-I-068							
02	S02	BW	2" 45 LATERAL YH-ST-C05 A234-WPB BE - ✓ 2" PIPE - A106-B BE SMLS ✓	174 16	J2K9052 ✓ 23101884	0012023-63 ✓ 23310545	16-Varela ✓ PVX2911394	MW.20_BW	10/11/2023 S281	VT-I-068							
03	S03	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	16-Varela ✓ PVX2911394	MW.20_BW	10/11/2023 S281	VT-I-068							
04	S04	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	16-Varela ✓ PVX2911394	MW.20_BW	10/11/2023 S281	VT-I-068							
05	S05	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	16-Varela ✓ PVX2911394	MW.20_BW	10/11/2023 S281	VT-I-068							
06	S06	BW	2" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 2x2" WN FLANGE ASME B16.5 150# A105N RF ✓	393 36	93 ✓ 70HC22 ✓	CE23002007_3.1_01 ✓ 224878	16-Varela ✓ PVX2911394	MW.20_BW	10/11/2023 S281	VT-I-068							

## 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: *18/12/2023*  
Sign: *Patricia Teixeira*

## APPROVED by Client

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

## APPROVED by 3rd party or AI

Name:  
Date:  
Sign:





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



						LINE DATA					
						FLUID CODE: VG			LINE NO. 2"-VG-40Z03-1C17		
						PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.
00	28-08-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM	1C17	N / 0	E	N	1	19-A-19-000-1-01-00001 sheet 51
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D						



PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		IDENTIFICATION CODE			
Job		EIC		Y		N	
4274		XHD		2121		VG40Z03	
UNIT		19		SHEET		2	
REV		00		XH-LP-000000001		XH-SW-000000001	

BILL OF MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B12STD> (L-7806).	2	I117862	2.4 M
2	FITTINGS 45 LATERAL YH-ST-C05 A234-WPB BE - C33EC04V01 S-STD x <N/A> (N/A).	2X2	I210549	1
3	45 LR ELBOW ASME B16.9 A234-WPB BE SMLS C02DC04V01 S-STD <4SLA200F32STD> (L-7956).	2	I210283	2
4	FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R152STD> (L-149).	2	I5355795	2

ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
5	GASKETS SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP1S12 <N/A> (N/A)	2	I63508906	1
6	BOLTS STUD BOLTS&NUTS ASME B18.3.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/8312> - 2 NUTS PER BOLT - 85 mm Length	5/8	I53437429	4

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>	1110	2"	S01	S	2"	BW	BJ01	2"	5/8"	85
<2>	1192	2"	S02	S	2"	BW				
			S03	S	2"	BW				
			S04	S	2"	BW				
			S05	S	2"	BW				
			S06	S	2"	BW				

JOAQUIM PINTO  
PIPING SUP. TEN  
Joachim Pinto 18/11/2023 AS BUILT

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

JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE
SW	G	SW	B	LET	LET	BOB	B		
PW	B	BO	B	LP	RF	BOF	B		
LA	RF	BLW	B	MTW	M	THD	TH		

MECWADE		Prep:	TG	PROC. NR.	PCL 22635
Status:		IFC	Date:	28-08-2023	Rev: 00
Dimensional:		Signature:			
Before Welding:		09/11/2023			
After Welding:		10/11/2023			

\* Assalate deviation in the drawings ("x n" or "n").  
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)

PROJECT: LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) FOR PROJECT - ALBA PROJECT