

 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-310-000026_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	João Paulo Pinto	João Paulo Pinto PIPING SUBC TEN		
COMPANY					
(Free)					

# ISO Summary List

# 22635 / 1477

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-MOD40Z24-1**

Revision **00**

Priority **6**

Piping Size/Class **2-1E20**

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	Extension 1	Extension 2
04	01	S01	BW	2x2" WN FLANGE ASME B16.5 300# A105N RF 2x1" ECCENTRIC SWAGE MSS SP-95 - A234-W	38 427	060A22 225129 CE/2023/79	5-Varela PVX1312824	MW.20_BW	30/10/2023 S71	VT-I-059							

## 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: *L. Gomes*





## APPROVED by 3rd party or AI

Name:

Date:

Sign:

*18/12/2023*

 <b>Tecnimont</b>	<b>Punch List</b>  <b>PUNCH LIST</b>	<b>IDENTIFICATION CODE</b>		
		<b>SHEET</b> 1 / 1	<b>DOC.CLASS</b> 1	<b>ISSUE</b> 01
 <b>MECWISE</b> <small>ENGINEERING CHALLENGES</small>   <small>amper</small> <small>Service Industrial</small>	<b>ISO ID: 2121 - MOD40Z24 - 1</b>			

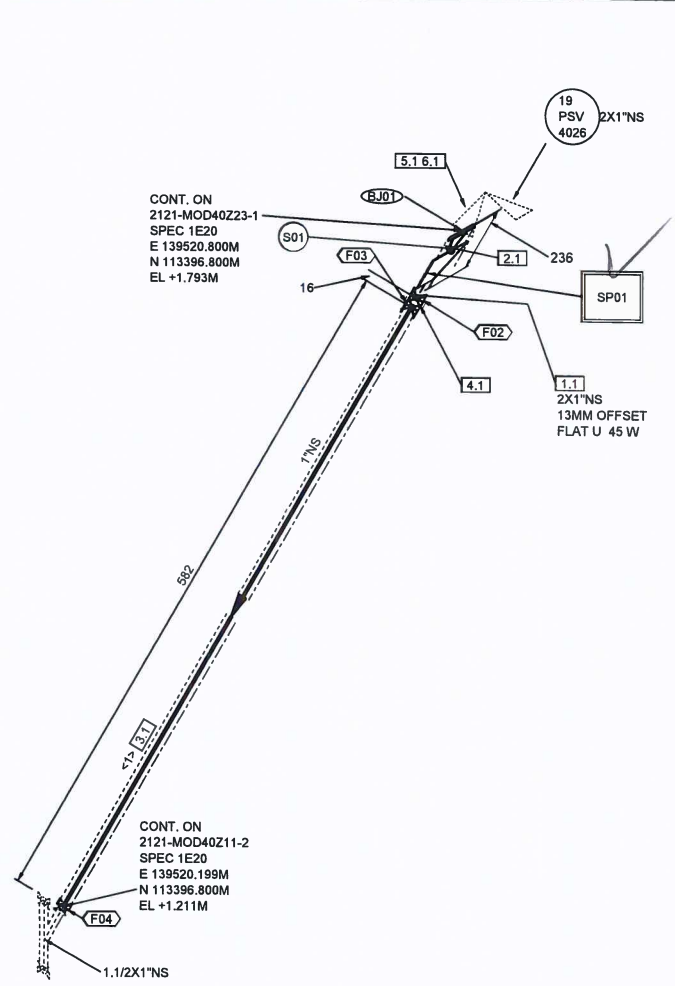
[illegible]

	DATE (dd-Mmm-YYYY)	NAME	SIGNATURE
SUBCONTRACTOR			
CONTRACTOR			
COMPANY			
(Free)			

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. GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 4048-XH-SG-0000000000. FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-LI-10-0000-00001

LINE DATA									
FLUID CODE: MOD					LINE NO. 2"-MOD-40Z24-1E20 (ET)				
00	28-08-2023	ISSUED FOR CONSTRUCTION	TG	MV	TM	PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D	1E20	ET / 30	E	N
						P&ID No.	19-A-19-000-1-01-00001 sheet 51		

TECHNIMONT		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX	CLIENT REF: REPSOL POLYMEROS	Job	ETC1	Area	N	4274	XHDL
		UNIT	19	SHEET	1	REV	00
REFERENCES		PIPING ASSEMBLY DRAWING	19-L-19-000-2-00-86197 sheet 1	PIPING SUPPORT SPECIFICATION	XH-SG-000000002	PIPING STANDARD SUPPORT SUMMARY	XH-LP-000000001
		PIPING ISOMETRIC LIST	XH-LD-212100001	PIPING TYPICAL INSTALLATIONS	XH-SL-000000002	WELDING SPECIFICATION	XH-SW-000000001



BILL OF MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
1	<b>FITTINGS</b> ECCENTRIC SWAGE MSS SP-95 - A234-WPB BE PE SMLS SCH1-XS SCH2-XS R22FGC04VZ01 <ESWA010GR14161216> (L-ESW27)	2X1	I820134	1
2	<b>FLANGES</b> WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-XS <WNA300R352XS> (L-236)	2	I4217851	1

ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
3	<b>PIPE</b> PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A11XS> (L-6679).	1	I132793	0.6 M
4	<b>FITTINGS</b> COUPLING ASME B16.11 3000# A105N SWIE SWE - R01FNC441101 NREQD <FCPA300LBK1> (L-180)	1	I1651677	1
5	<b>GASKETS</b> SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP1S12 <N/A> (N/A)	2	I63508961	1
6	<b>BOLTS</b> 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	I53437440	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)
<1>	582	1"	S01	S	2"	BW	BJ01	2"	5/8"
			F02	F	1"	SW			
			F03	F	1"	SW			
			F04	F	1"	SW			
INCH METER									
PIPE NS (IN)					CL LENGTH (M)				
2					0.3				
1					0.6				

João Guilherme Pinto  
PIPING SUP. TEN  
João Guilherme Pinto 19/12/2023  
AS BUILT

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

JOINT TYPE	H&M TYPE OF JOINT	JOINT TYPE	H&M TYPE OF JOINT	JOINT TYPE	H&M TYPE OF JOINT	JOINT TYPE	H&M TYPE OF JOINT
BW	G	BW	B	LET	LET	BOB	B
PW	B	GB	B	LP	RF	BOF	B
LA	RF	GBW	B	MTW	M	THD	TH

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

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