

 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-310-000026_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  
NWJ  
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 / 1483

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VA40Y02-1** ✓

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	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-Vareta PVX1312824	MW.20_BW	04/10/2023 S71	VT-I-040							
02	S03	BW	2" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 2" PIPE - A106-B BE SMLS ✓	339 16	73 ✓ 23101884 ✓	CE23001995_3.1_01 23310545	5-Vareta PVX1312824	MW.20_BW	04/10/2023 S71	VT-I-040							
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-Vareta PVX1312824	MW.20_BW	04/10/2023 S71	VT-I-040							
05	S06	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-Vareta PVX1312824	MW.20_BW	05/10/2023 S71	VT-I-041							
06	S07	BW	2" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 2" PIPE - A106-B BE SMLS ✓	339 16	73 ✓ 23101884 ✓	CE23001995_3.1_01 23310545	5-Vareta PVX1312824	MW.20_BW	05/10/2023 S71	VT-I-041							
07	S08	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-Vareta PVX1312824	MW.20_BW	05/10/2023 S71	VT-I-041							
08	S01	BW	2x2" WN FLANGE ASME B16.5 150# A105N RF ✓ 2" PIPE - A106-B BE SMLS ✓	36 16	70HC22 ✓ 23101884 ✓	224878 23310545	5-Vareta PVX1312824	MW.20_BW	04/10/2023 S71	VT-I-040							

## 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*

QC

## APPROVED by Client

Name: 

Date: *L.Gomes*

Sign: *NWI*

*18/12/2023*

## APPROVED by 3rd party or AI

Name:

Date:

Sign:



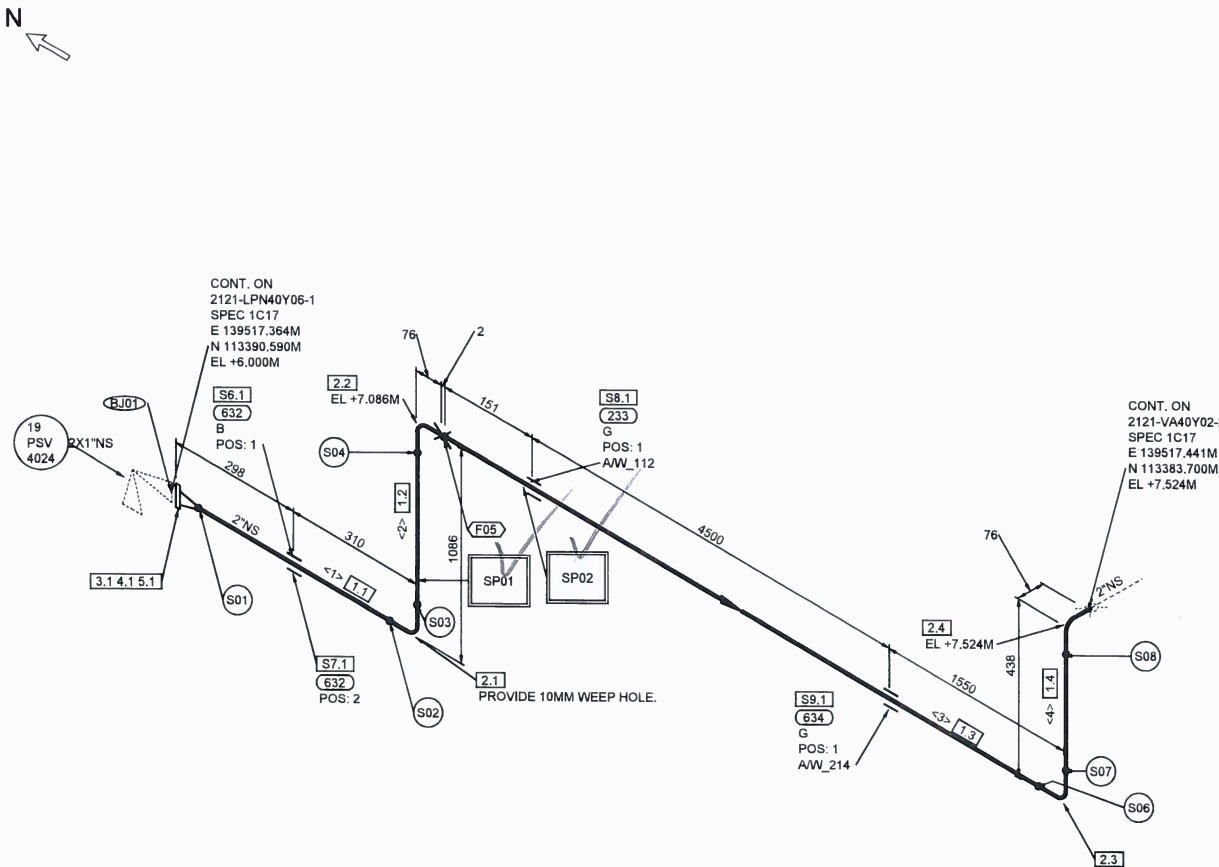




						LINE DATA					
						FLUID CODE VA			LINE NO. 2"-VA-40Y02-1C17		
						PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.
00	28-08-2023	ISSUED FOR CONSTRUCTION		TG	MW	TM					
REV	DATE	REVISION DESCRIPTION		DRAWN UP	CHKD UP	APP'D	1C17	N / O	E	N	1
											19-A-19-000-1-01-00001 sheet 50

PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS	
PIPING ASSEMBLY DRAWING: 19-L-19-000-1-01-00001 sheet 2		PIPING SUPPORT SPECIFICATION: XH-SG-000000002	
PIPING ISOMETRIC LIST: XH-LD-212100001		PIPING TYPICAL INSTALLATIONS: XH-SL-000000002	
		PIPING STANDARD SUPPORT SUMMARY: XH-LP-000000001	
		WELDING SPECIFICATION: XH-SW-000000001	

FC-1483



BILL OF MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010812STD> (L-7806).	2	1117862	7.8 M	
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F32STD> (L-7955).	2	1128529	4	
3	FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01DC44BV05 S-STD <WNFA300R152STD> (L-149).	2	15355795	1	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
4	GASKETS SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304(GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP1S12 <N/A> (N/A).	2	163508906	1	
5	BOLTS STUD BOLTS&NUTS ASME B18.3.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 85 mm Length	5/8	153437429	4	
6	SUPPORTS GUIDE AND STOP HORIZ VERT SUPPORT-N1B1	2	632	1	
7	STAKES SUPPORTS S08 HEA100	2	632	1	
8	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	2	233	1	
9	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	2	634	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)	LENGTH (MM)
<1>	464	2"	S01	S	2"	BW	BJ01	2"	85
<2>	330	2"	S02	S	2"	BW			
<3>	282	2"	S03	S	2"	BW			
<4>			S04	S	2"	BW			
			F05	S	2"	BW			
			S06	S	2"	BW			
			S07	S	2"	BW			
			S08	S	2"	BW			

INCH METER	
PIPE NS (IN)	CL LENGTH (M)
2	8.7

ISOMETRIC NO. 4274-SP-XH-DL-2121-VA40Y02-1-IS00

SPOOLING REV NO. 00

Joaquim Pinto  
PIPING SUP. TEAM  
Joaquim Pinto 18/12/2023  
AS BUILT

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

AUTHORISED FOR CONSTRUCTION

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

JOINT TYPE	WELD TYPE OF JOINT	JOINT TYPE	WELD TYPE OF JOINT	JOINT TYPE	WELD TYPE OF JOINT	JOINT TYPE	WELD TYPE OF JOINT
SW	G	SW	B	LET	LET	SOB	B
PW	B	SW	B	LP	RF	BOF	B
LA	RF	SW	B	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