

 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	JOAQUIM RINTE	JOAQUIM RINTE PIPING SUBC TEN		
COMPANY					
(Free)					

ISO Summary List

22635 / 1227

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-CWS91J51-2** ✓

Revision **00**

Priority **6**

Piping Size/Class **3-B-1**

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	03	S16	BW	3x2" ECCENTRIC REDUCER ASME B16.9 A234-2x2" WN FLANGE ASME B16.5 150# A105N RE	541	88166	CE23008046_3.1_01	5:Varela	MW.20_BW	16/10/2023	VT-I-049						
03	02	S11	BW	3" PIPE - A106-B BE SMLS	36	70HC22	224878	PVX1312824	S138								
04	02	S12	BW	3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	17	23211709	23310546	5:Varela	MW.20_BW	16/10/2023	VT-I-049						
05	02	S13	BW	3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	228	215148	CE23002054_3.1_01	5:Varela	MW.20_BW	16/10/2023	VT-I-049						
07	03	S15	BW	3" PIPE - A106-B BE SMLS	17	23211709	23310546	5:Varela	MW.20_BW	16/10/2023	VT-I-049						
				3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	228	215148	CE23002054_3.1_01	5:Varela	MW.20_BW	16/10/2023	VT-I-049						
				3x2" ECCENTRIC REDUCER ASME B16.9 A234-	541	88166	CE23008046_3.1_01	5:Varela	MW.20_BW	16/10/2023	VT-I-049						

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: **TECNIMONT**

Date: *L. Gomes*

Sign: *NWI*

18/12/2023

APPROVED by 3rd party or AI

Name:

Date:

Sign:



FLUID CODE: CWS				LINE DATA			
PIPING		INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.	
MATERIAL CLASS						19-A-19-000-1-01-00001 sheet 107	
B-1		N / O	E	N	1		

Tecnimont		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX	CLIENT REP: REPSOL POLYMEROS	Job	ETCT	Area	N		
		4274	XHDL	2121	CWS91J51		
		UNIT	19	SHEET	2	REV	00

BILL OF MATERIALS			
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PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806).	3	1117921	8.3 M	
2	FITTINGS ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22DC04V01 S-STD S-STD <ERE200F315151415> (L-7959).	3X2	1128082	1	
3	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F333TD> (L-7955).	3	1128599	2	
4	ELANGES WN FLANGE ASME B16.5 150W A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R1525TD> (L-149).	2	15355795	1	

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
5	GASKETS FLAT RING GASKET ASME B16.21 150W RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2R01 <NMG0009R1FC2> (L-NMG11)	2	11169030	1	
6	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G5/B31/2> - 2 NUTS PER BOLT - 85 mm Length	5/8	153437429	4	
7	SUPPORTS STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	546	1	
8	WELDED BRACKET TO STRUCT. SB01 HEA100	3	543	1	
9	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	543	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>	6434	3"	F10	F	3"	BW	BJ01	2"	85
<2>	1466	3"	S11	S	3"	BW			
<3>	444	3"	S12	S	3"	BW			
			S13	S	3"	BW			
			F14	F	3"	BW			
			S15	S	3"	BW			
			S16	S	2"	BW			

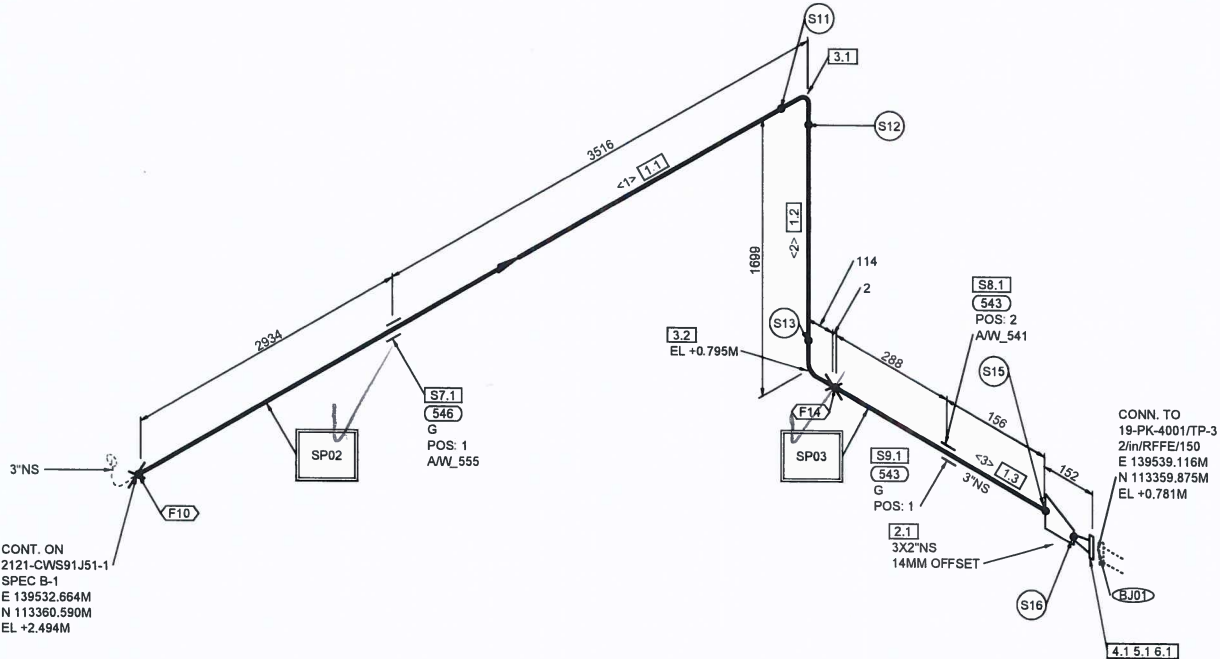
AUTHORISED FOR CONSTRUCTION

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

JOINT TYPE	NAME TYPE OF JOINT	JOINT TYPE	NAME TYPE OF JOINT	JOINT TYPE	NAME TYPE OF JOINT	JOINT TYPE	NAME TYPE OF JOINT	JOINT TYPE	NAME TYPE OF JOINT
BW	G	BW	B	LET	LET	BOH	B		
FW	B	SW	B	LF	RF	BOF	B		
LA	RF	SLW	B	MTW	M	THD	TH		

M MECWIDE	Prep: TG	Proc. NR: PCL 23635
Dimensional:	Status: IPC	Date: 11-08-2023 Rev: 00
Before Welding	Signature:	
After Welding	Signature:	

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



JOAQUIM PINTO
PIPING SUP. TEN
Joaoquim Pinto 18/12/2023



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 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-CWS91J51-2-IS00

SPOOLING REV NO. 00