

 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
NWI
R
W
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		
COMPANY					
(Free)					


Piping SBC TEN

ISO Summary List

22635 / 1796

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VA49A07-1** ✓

Revision **00**

Priority **6**

Piping Size/Class **3-1C2**

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	S05	BW	3" PIPE - A106-B BE SMLS ✓ 3" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓	17 394	23211709 215148	23310546 ✓ CE23002008_3.1_01	5 Vareta PVX1312824	MW.20_BW	17/10/2023 S46	VT-I-050							
02	S04	BW	3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓	228	215148	CE23002054_3.1_01	5 Vareta PVX1312824	MW.20_BW	17/10/2023 S46	VT-I-050							
03	S03	BW	3" PIPE - A106-B BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	17 228	23211709 215148	23310546 ✓ CE23002054_3.1_01	5 Vareta PVX1312824	MW.20_BW	18/10/2023 S46	VT-I-051							
05	S02	BW	3x2" ECCENTRIC REDUCER ASME B16.9 A234- ✓ 3" PIPE - A106-B BE SMLS ✓	541	88166	CE23008046_3.1_01	5 Vareta PVX1312824	MW.20_BW	17/10/2023 S46	VT-I-050							
06	S01	BW	2x2" WN FLANGE ASME B16.5 150# A105N RF ✓ 3x2" ECCENTRIC REDUCER ASME B16.9 A234- ✓	17 36 541	23211709 70HC22 88166	23310546 ✓ 224878 CE23008046_3.1_01	5 Vareta PVX1312824	MW.20_BW	17/10/2023 S46	VT-I-050							

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: *L. Gomes* 
Date: *18/12/2023*
Sign: *L. Gomes*

APPROVED by 3rd party or AI

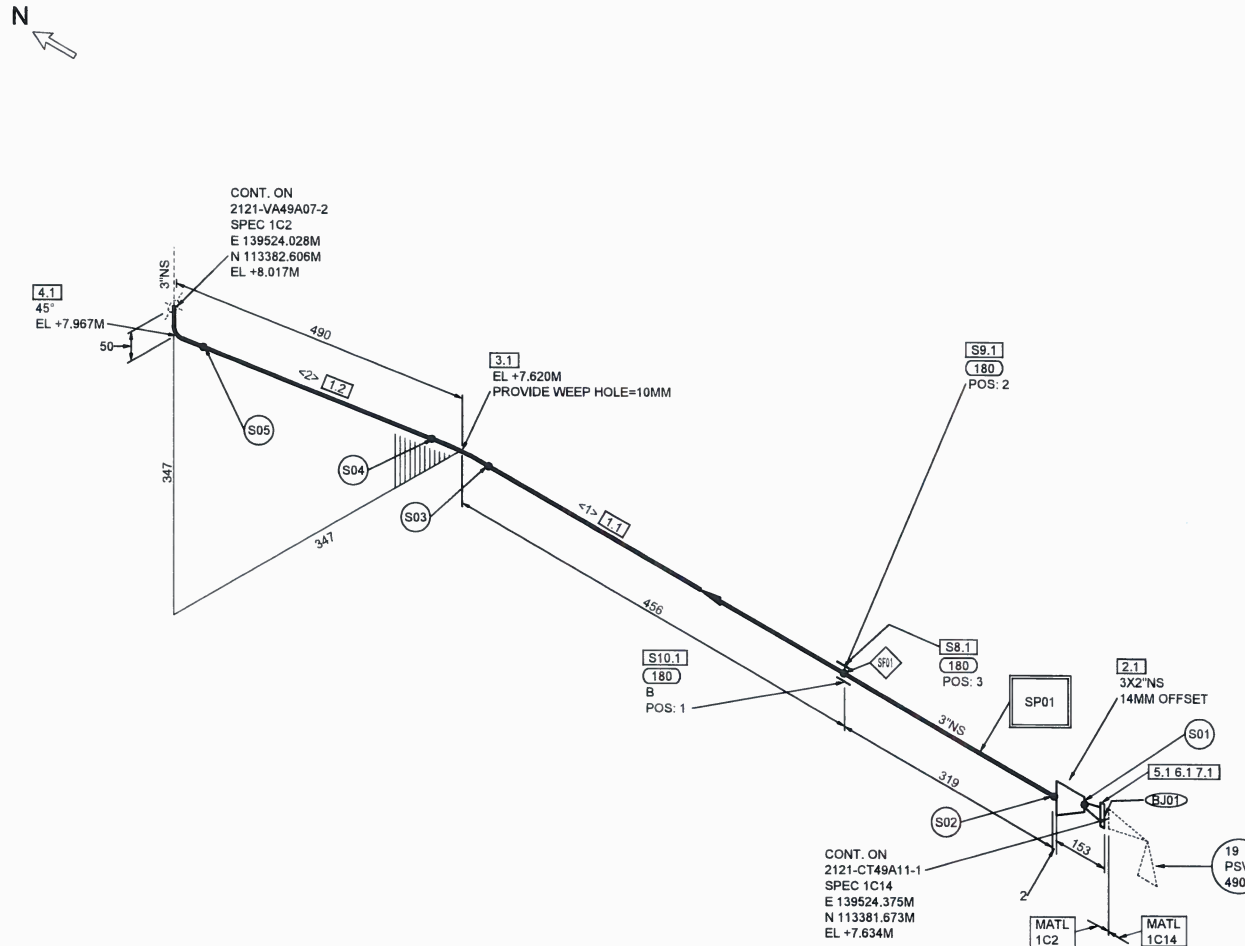
Name:
Date:
Sign:



ALL DIMENSION AND PROPER CONFIGURATION FOR LINES 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 4049-XH-SG-0000000004 FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4049-XH-LL-10-0000-00001

LINE DATA									
FLUID CODE: VA					LINE NO. 3"-VA-49A07-1C2				
00	06-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM	PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D	1C2	N / O	E	N
								1	19-A-19-000-1-01-00001 sheet 57

IDENTIFICATION CODE		Job		Area		N	
4274	XHDL	2121	VA49A07				
UNIT	19	SHEET	1	REV	00		
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS					
PIPING ASSEMBLY DRAWING: 19-L-19-000-2-00-86196 sheet 3		PIPING SUPPORT SPECIFICATION: XH-SG-000000002		PIPING STANDARD SUPPORT SUMMARY: XH-LP-000000001			
PIPING ISOMETRIC LIST: XH-LD-212100001		PIPING TYPICAL INSTALLATIONS: XH-SI-000000002		WELDING SPECIFICATION: XH-SW-000000001			



BILL OF MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806)	3	I117921	1.0 M
2	ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22DC04V01 S-STD S-STD <ERE200F15151415> (L-7959)	3X2	I128082	1
3	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955)	3	I128599	1
4	45 LR ELBOW ASME B16.9 A234-WPB BE SMLS C02DC04V01 S-STD <45LA200F33STD> (L-7955)	3	I201301	1
5	WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R152STD> (L-149)	2	I5356795	1




ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
6	GASKETS SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFCOIL CARBON STEEL SS 304 ASME B16.5 G03GDP11S12 <N/A> (N/A)	2	I63508906	1
7	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.3.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 85 mm Length	5/8	I53437429	4
8	SUPPORTS PIPING SUPPORT - BEAMS - BE03 HEA120	3	180	1
9	STAKES SUPPORTS ST01 HEA100	3	180	1
10	GUIDE AND STOP HORIZ VERT SUPPORT-N1B1	3	180	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)
<1>	659	3"	S01	S	2"	BW	BJ01	2"
<2>	322	3"	S02	S	3"	BW		
			SF01	F	3"	FT		
			S03	S	3"	BW		
			S04	S	3"	BW		
			S05	S	3"	BW		
INCH METER			CL LENGTH (M)			SPOOLING REV NO. 00		
3			1.3					
2			0.2					

AUTHORISED FOR CONSTRUCTION

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

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	BW	S	LET	LET	BOB	B
PW	S	SB	B	LP	RF	BOF	B
LA	RF	BLW	M	MTW	M	THD	TH

 MECWIDE <small>ENGINEERING CONSULTING</small>		Prep:	TG	PROC. NR:	PCL 22635
		Status:	IFC	Date:	06-09-2023
				Rev:	0
Dimensional:		Signature:			
Before Welding					
After Welding					
* Assimilate deviation in the drawings ("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