

 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-310-000030_RFI727_MOD-ITP-XL_220	
		RFI Nr.: 727	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000030_RFI727 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:


2121-VG40P10-3-SP05;2121-VG40P10-3-SP04;2121-VG40P10-3-SP03;2121-VG40P10-2-SP02;2121-VG40P10-1-SP01;2121-VG40P02-2-SP05;2121-VG40P02-2-SP04;2121-VG40P02-2-SP03;2121-VG40P02-2-SP02;2121-VG40P02-2-SP01;2121-HCM40C01-1-SP02;2121-HCM40C01-1-SP01;2121-ET40J11-1-SP01;2121-ET40F04-7-SP16;2121-ET40F04-7-SP15;2121-ET40F04-5-SP10;2121-ET40F04-5-SP09;2121-ET40F04-3-SP04;2121-ET40F04-10-SP12;2121-ET40F04-10-SP11;2121-ET40A07-5-SP09;2121-ET40A07-5-SP08;2121-ET40A07-3-SP06;2121-ET40A07-2-SP05;2121-CWS40G02-5-SP05;2121-CWS40G02-5-SP04;2121-CWS40G02-1-SP06;2121-CWR40B02-7-SP05;2121-CWR40B02-7-SP04

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
 04/01/2024


 NoBo 1145
 reviewed by
 witnessed by
 04/01/2024

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	04/01/2024	Patricia Teixeira	Patricia Teixeira		
CONTRACTOR	04/01/2024	JOAQUIM PINTO	Joaoquin Pinto		
COMPANY					
(Free)					



QC
Piping. SUP. TEM

ISO Summary List

22635 / 1970

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-ET40A07-2** ✓

Revision **00**

Priority **6**

Piping Size/Class **8-1E21**

PED Category **III**
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
02	05	S18 ✓	OL	8" PIPE - A106-B BE SMLS ✓ 8x.75" REDUCING SOCKOLET MSS SP-97 3000 ✓	22 425	23302454 ✓ 244301 ✓ CE/2022/1596	23310551 16:Vareta - PVX2911394	MW.21_SBR	10/11/2023 B371	VT-I-068	MT: MT-I-036-A						
04	05	S20	BW	8" PIPE - A106-B BE SMLS ✓ 8x6" ECCENTRIC REDUCER ASME B16.9 A234-	22 134	23302454 ✓ 55280 ✓ 0012023-07	23310551 16:Vareta - PVX2911394	MW.21_BW	10/11/2023 B371	VT-I-068							
05	05	S14 ✓	OL	8" PIPE - A106-B BE SMLS ✓ 8x.75" REDUCING SOCKOLET MSS SP-97 3000 ✓	22 425	23302454 ✓ 244301 ✓ CE/2022/1596	23310551 16:Vareta - PVX2911394	MW.21_SBR	10/11/2023 B371	VT-I-068							
06	05	S21 ✓	BW	8x6" ECCENTRIC REDUCER ASME B16.9 A234- ✓ 6x6" WN FLANGE ASME B16.5 300# A105N RF	134 37	55280 ✓ 70HC22 ✓ 224997	0012023-07 16:Vareta - PVX2911394	MW.21_BW	10/11/2023 B371	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: *04/01/2024*
 Sign: *Patricia Teixeira*

APPROVED by Client

Name: **TECNIMONT**
 Date: *04/01/2024*
 Sign: *L. Gomes*
04/01/2024

APPROVED by 3rd party or AI

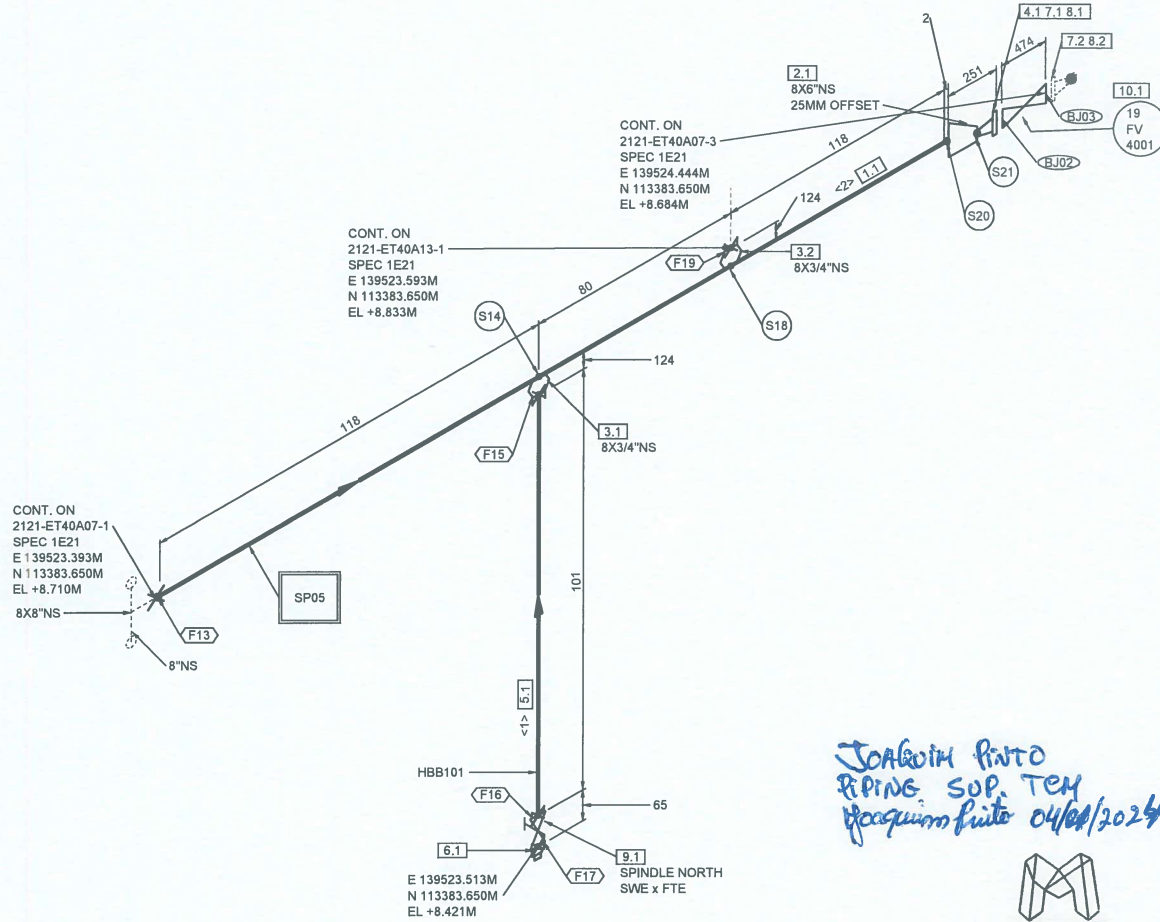
Name: *João Amador*
 Date: *09/01/2024*
 Sign: *João Amador*
 Reviewed by: *SGS*
 Noted 1155 ☐ witnessed by

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. TOLERANCES TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 4048-XH-SG-0000000004. FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-L-10-000-00001



FLUID CODE: ET				LINE DATA			
PIPING MATERIAL CLASS				INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE
1E21				N / O	E	N	1
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D	P&ID No.	
00	11-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM	19-A-19-000-1-01-00001 sheet 28	

Job		Area		Identification Code	
4274	XHDL	2121	ET40A07	2	REV 00
UNIT		SHEET		REV	
19		2		00	



JOAQUIM PINTO
PIPING SUP. TEN
Joaquim Pinto 04/04/2024



AUTHORISED FOR CONSTRUCTION

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

JOINT TYPE	HMBL TYPE OF JOINT	HMBL TYPE OF JOINT	JOINT TYPE	HMBL TYPE OF JOINT	JOINT TYPE	HMBL TYPE OF JOINT
SW	G	SW	B	LET	LET	SWB
FW	B	GB	B	LP	RF	SWF
LA	RF	GLW	B	MTW	M	THD

 MECOWIDE <small>ENGINEERS AND ARCHITECTS</small>	Prep.: TG	PROC. NR.: PCL 22635
	Status: IFC	Date: 11-09-2023 Rev: 00
Dimensional:	Signature:	
Before Welding	9/11/2023	
After Welding	10/11/2023	
* Assinalate deviation in the drawings ("+ n°" or "- n°").		
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)		

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

BILL OF MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B18STD> (L-7806)	8	I177995	0.4 M
2	ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22DC04V01 S-STD S-STD <ERE200F318151715> (L-7959)	8X6	I128397	1
3	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V01 NREQD <SOKA300LB01811> (L-343)	8X3/4	I1651372	2
4	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R356STD> (L-236)	6	I4274965	1

ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
5	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A134XS> (L-6679)	3/4	I132785	0.1 M
6	PLUG ROUND HEAD ASME B16.11 - A105N MTE NREQD - R42FQC44W001 NREQD <PLUA300CK34> (L-77)	3/4	I10088232	1
7	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP11S12 <N/A> (N/A)	6	I63508987	2
8	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G3/45> - 2 NUTS PER BOLT - 125 mm Length	3/4	I53437468	24
9	GATE VALVE API 602 800# A105N SWE FTE 8-F6&HF WB-OS&Y SOW API 602 HW V01GIC4412BL NREQD <N/A> (N/A)	3/4	I10015410	1
10	INSTRUMENT COMPONENT 19FV4001	6		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>	100	3/4"	F13	F	8"	BW	BJ02	6"	125
<2>	416	8"	S14	S	3/4"	OL	BJ03	6"	125
			F15	F	3/4"	SW			
			F16	F	3/4"	SW			
			F17	F	3/4"	THD			
			S18	S	3/4"	OL			
			F19	F	3/4"	SW			
			S20	S	8"	BW			
			S21	S	6"	BW			

INCH METER			
PIPE NS (IN)	CL LENGTH (M)		
8	1.3		
6	0.6		
0.75	0.2		

ISOMETRIC NO. 4274-SP-XH-DL-2121-ET40A07-2-IS00