TECNIMONT Tecnimont S.p.A.	REPSOL 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**

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*"

TECNIMONT
L.Gomes
NWI
04/01/2024
R
W

SGS
NoBo 1155
☐ reviewed by
☐ witnessed by
04/01/2024

LEGEND OF CHECK RESULT	☒ Checked & NOT Accepted	☑ Checked & Accepted	N.A. Not Applicable	Y / N Punch List Produced

	Date [DD-MMM-YYYY]	Name	Signature
SUBCONTRACTOR	04/01/2024	Patrícia Teixeira	Patrícia Teixeira
CONTRACTOR	04/01/2024	JOAQUIM PINTO	Joaquim Pinto Piping & SUP. TEM
COMPANY			
(Free)			

QC

MECWIDE
ENGINEERING CHALLENGES

grupoamper
Nervión Industrial

Tecnimont

REPSOL

ISO Summary List

Client **TECNIMONT/REPSOL** Job # **22635** % RT/UT

Local **Portugal** Project **4274 ALBA-I007 Piping Fabrication** % PT/MT

ISO # **2121-ET40J11-1** Revision **01** Priority **6**

Piping Size/Class **2-1E21** PED Category **II** ***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	S01	BW	2x2" WN FLANGE ASME B16.5 300# A105N RF	39	B8AV0	225263	16:Vareta	MW.20_BW	10/11/2023	VT-I-068							
			2x.5" ECCENTRIC SWAGE MSS SP-95 - A234-	427	22/76970	CE/2023/79	PVX2911394		S08								

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: Patrícia Teixeira
Date: 04/01/2024
Sign: Patrícia Teixeira QC

APPROVED by Client
Name: TECNIMONT L.Gomes NWI
Date: 04/01/2024
Sign:
R K
W

APPROVED by 3rd party or AI
Name: João Tavares
Date: 09/01/2024
Sign:
SGS NoBo 1155 ☐ reviewed by ☐ witnessed by

Tecnimont	Punch List **PUNCH LIST**	IDENTIFICATION CODE SHEET 1 / 1 | DOC.CLASS 1 | ISSUE 01
MECWIDE	**ISO ID: 2121 - ET40J11 - 1**	

No.	Field	Descripton	Date	Completed
		NO COMMENTS		

NOTES AND REMARKS

JOAQUIM PINTO
PIPING SUP. TECH
joaquim pinto 04/01/2024
NO COMMENTS

TECNIMONT
L.Gomes
NWI
R
W
NO COMMENTS 04/01/2024

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

0

FC-2125

REPSOL

REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D
01	14-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM

LINE DATA

FLUID CODE: ET | LINE NO. 2"-ET-40J11-1E21

PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.
1E21	N / 0	E	N	1	19-A-19-000-1-01-00001 sheet 40

Tecnimont

PIPING ISOMETRIC

IDENTIFICATION CODE

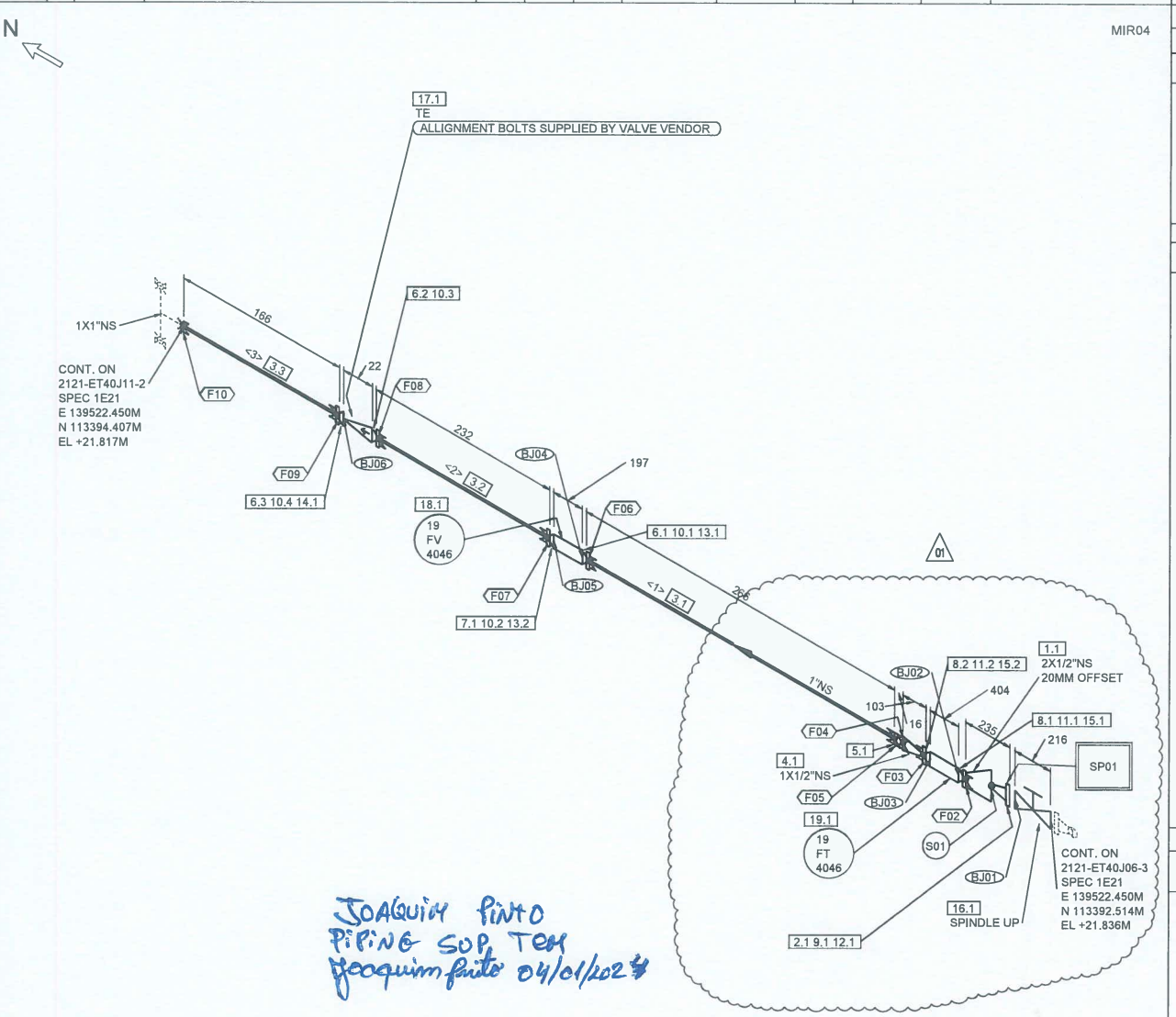
Job	ECT	Area	N
4274	XHDL	2121	ET40J11

UNIT 19 | SHEET 1 | REV 01

PLANT: SINES INDUSTRIAL COMPLEX | CLIENT REF: REPSOL POLYMEROS

REFERENCES

PIPING ASSEMBLY DRAWING (ECTN)	19-L-19-000-2-00-86197 sheet 6	PIPING SUPPORT SPECIFICATION (ECTN)	XH-SG-00000002
PIPING ISOMETRIC LIST (ECTN)	XH-LD-21210001	PIPING TYPICAL INSTALLATIONS (ECTN)	XH-SL-00000002
PIPING STANDARD SUPPORT SUMMARY (ECTN)	XH-LP-00000001	WELDING SPECIFICATION (ECTN)	XH-SW-00000001



Joaquim Pinto
Piping Sup Tech
joaquim.pinto 04/01/2023

AS BUILT

MECWIDE

Prep.:	TG	PROC. NR.:	PCL 22635
Status:	IFC	Date:	14-09-2023
		Rev.:	01

Dimentional: 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 (Autocontrolo OK)

AUTHORISED FOR CONSTRUCTION

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

LEGENDS

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	B	LET	LET	BOB	B
FW	S	SID	B	LF	RF	BOF	G
L4	RF	SLW	G	MTW	M	THD	TH

Notes.

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 POLYETHILENE (PEL) AND POLYPROPYLENE (PP) FOR PROJECT - ALBA PROJECT

LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED | 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 INLINE COMPONENT MUST BE LEFT. | GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 4048-XH-SG-00000000004
X FIELD WELD SYMBOL FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE MARKED | FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-LL-10-0000-00001

BILL OF MATERIALS

FABRICATION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	FITTINGS				
1	ECCENTRIC SWAGE MSS SP-95 - A234-WPB BE PE SMLS SCH1-STD SCH2-XS R22FQC04VZ15 <ESWA010GR14151016> (L-ESW27)	2X1/2	I920264	1	
	FLANGES				
2	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R352STD> (L-236)	2	I5355797	1	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	PIPE				
3	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A11XS> (L-6679)	1	I132793	0.6 M	
	FITTINGS				
4	CONCENTRIC SWAGE MSS SP-95 - A105N PE PE SMLS SCH1-XS SCH2-XS R21FQC44ZZ01 <CSWA010AR12161016> (L-7890)	1X1/2	I63782568	1	
5	COUPLING ASME B16.11 3000# A105N SWE SWE - R01FNC441101 NREQD <FCPA300LBK1> (L-180)	1	I1651677	1	
	FLANGES				
6	SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS <SWFA300R351XS> (L-375)	1	I4217823	3	
7	SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS <SWFA300R351XS> (L-375).	1	I4217823	1	
8	SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS <SWFA300R351/2XS> (L-375)	1/2	I9762189	2	
	GASKETS				
9	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP1IS12 <N/A> (N/A)	2	I63508961	1	
10	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP1IS12 <N/A> (N/A)	1	I63508951	4	
11	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP1IS12 <N/A> (N/A)	1/2	I63508949	2	
	BOLTS				
12	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	
13	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/4> - 2 NUTS PER BOLT - 80 mm Length	5/8	I53437418	8	
14	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/841/4> - 2 NUTS PER BOLT - 105 mm Length	5/8	I53437269	4	
15	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G1/221/2> - 2 NUTS PER BOLT - 65 mm Length	1/2	I53437190	8	
	VALVES / IN-LINE ITEMS				
16	GATE VALVE API 600 300# A216-WCB RFFE 8-F6&HF API 600 B7/2H 125 - 250 AARH BB-OS&Y FLXW API 600 HW ASME B16.5 V01FFC29B167 NREQD <G42L-130> (L-130)	2	I5606081	1	
17	DISC CHECK WFR VALVE ASME B16.34 300# A216-WCB RFTBE 316/R-PTFE GF 125 - 250 AARH SL VERTICAL&HORIZONTAL CRACK. PRESS. 1 2 PSI ASME B16.5 V40JFC29P01 NREQD <N/A> (N/A)	1	I10208505	1	
	INSTRUMENTS				
18	INSTRUMENT COMPONENT 19FV4046	1		1	
19	INSTRUMENT COMPONENT 19FT4046	1/2		1	

CUT LIST

PIECE NO	LENGTH (MM)	SIZE (IN)
<1>	250	1"
<2>	200	1"
<3>	150	1"

WELD LIST

WELD NO	WELD CAT.	SIZE (IN)	WELD TYPE
S01	S	2"	BW
F02	F	1/2"	SW
F03	F	1/2"	SW
F04	F	1"	SW
F05	F	1"	SW
F06	F	1"	SW
F07	F	1"	SW
F08	F	1"	SW
F09	F	1"	SW
F10	F	1"	SW

BOLT LIST

BOLT NO	FLANGE SIZE(IN)	SIZE (IN)	LENGTH (MM)
BJ01	2"	5/8"	90
BJ02	1/2"	1/2"	65
BJ03	1/2"	1/2"	65
BJ04	1"	5/8"	80
BJ05	1"	5/8"	80
BJ06	1"	5/8"	105

INCH METER

PIPE NS (IN)	CL LENGTH (M)
2	0.5
1	0.8
0.5	0.5

ISOMETRIC NO. 4274-SP-XH-DL-2121-ET40J11-1-IS01 | SPOOLING REV NO. 01