TECNIMONT Tecnimont S.p.A.	REPSOL REPSOL POLIMEROS SA	4274_CONST ALBA PROJECT–PP AND PEL PLANTS	

MOD-ITP-XL_220 Rev.1	**RELEASE OF SPOOLS FROM WORKSHOP**	Report n° **IP-WSR-P-310-000180_RFI3189_MOD-ITP-XL_220**	
		RFI Nr.:	Date :

Unit	-
Plant Area	-
Isometric Number	
Inspection Package Number	**IP-WSR-P-310-000180_RFI3189 - IP Spool Release From Workshop**

Sheet 01/01

The Present Inspection Package contains the following Elements:

1115-PR72015-1-SP02;1115-PR72015-1-SP01;4223-BU10B04-1-SP12;2121-CYG41A07-1-SP01;1115-PR72015-2-SP03
ZZ;1115-PR33027-2-SP02;4223-BU10B04-1-SP11;2121-CYG41A07-1-SP02;4222-FL21F02-2-SP02;4223-BU10B04-4-SP05;2121-ET40A07-1-SP01;4223-ICA14B16-1-SP01;4223-BU10B04-4-SP04;2121-PE41B03-1-SP02;1115-PR72015-2-SP04;1115-PR33027-2-SP01;1115-PR33027-1-SP03
ZZ;4222-FL21F02-2-SP03;4223-BU10B04-3-SP07;2121-CYG41A04-2-SP04
ZZ;2121-PE41B03-1-SP01;1115-PR33027-1-SP04;4223-BU10B04-3-SP09;2121-ET40A07-1-SP03;4223-BU10B04-3-SP08;4223-BU10B04-3-SP06 ZZ;2121-CYG41A04-3-SP05;2121-CYG41A04-2-SP03;2121-ET40A07-1-SP02

Spool No.	Ready for destination to: P: Painting (1) W: Wrapping F: Field	NDE Class	Check List					
			Visual Inspect	Traceability OK (2)	Pending NDE / PMI (Yes/No/NA)	PWHT / HARDNESS (Yes/No/NA)	Inside Cleaning (3) (Yes/No/NA)	Spool Identified (Yes/No/NA)

Ion Dragos Andrei
28.06.2024
On behalf of TCM

ZEGHEFANU ADRIAN
01/07/2024
ON BEHALF OF TCM

JOÃO SUNDIA
01/07/2024

SGS
NoBo 1155
☐ reviewed by
☐ witnessed by

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	01/07/2024	Ferici Ionuto	
CONTRACTOR			
COMPANY			
(Free)			

MECWIDE ENGINEERING CHALLENGES

GRUPOAMPER Nervión Industrial

TECNIMONT

REPSOL

ISO Summary List

22635 / 6187

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

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

ISO # **2121-PE41B03-1** Revision **00** Priority **2B**

Piping Size/Class **8-1E64** 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
05	01	S01	BW	8x8" WN FLANGE ASME B16.5 300# A105N RF	37	04EE23	224997	17:Vareta - PVX4010501	MW.21_BW	13/05/2024	VT-M-098		RT: RT-I-0775					
				8" PIPE - A106-B BE SMLS	448	23300540	23602069	20:Eletrodo - SBX2612148		S08								
06	01	S02	OL	8" PIPE - A106-B BE SMLS	448	23300540	23602069	17:Vareta - PVX4010501	MW.21_SBR	13/05/2024	VT-M-098							
				8x.75" REDUCING WELDOLET MSS SP-97 A105	CERT. TCM	H12007465XX	2023-03-225-25	20:Eletrodo - SBX2612148		S08		MT: MT-I-083-A						
07	01	S05	BW	8" PIPE - A106-B BE SMLS	448	23300540	23602069	17:Vareta - PVX4010501	MW.21_BW	13/05/2024	VT-M-098		RT: RT-I-0775					
				8x8" WN FLANGE ASME B16.5 300# A105N RF	37	04EE23	224997	20:Eletrodo - SBX2612148		S08								
08	02	S06	BW	8x8" WN FLANGE ASME B16.5 300# A105N RF	37	04EE23	224997	17:Vareta - PVX4010501	MW.21_BW	14/05/2024	VT-M-099		RT: RT-I-0775					
				8" PIPE - A106-B BE SMLS	22	23302454	23310551	20:Eletrodo - SBX2612148		S287								
09	02	S07	OL	8" PIPE - A106-B BE SMLS	22	23302454	23310551	17:Vareta - PVX4010501	MW.21_SBR	14/05/2024	VT-M-099							
				8x.75" REDUCING WELDOLET MSS SP-97 A105	CERT. TCM	H12007465XX	2023-03-225-25	20:Eletrodo - SBX2612148		S287		MT: MT-I-083-A						
10	02	S10	BW	8" PIPE - A106-B BE SMLS	22	23302454	23310551	17:Vareta - PVX4010501	MW.21_BW	14/05/2024	VT-M-099		RT: RT-I-0775					
				8x8" WN FLANGE ASME B16.5 300# A105N RF	37	04EE23	224997	20:Eletrodo - SBX2612148		S287								

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	APPROVED by Client	APPROVED by 3rd party or AI
Name: Maria Timoteo	Name: ZEPHERINO A	Name: JOÃO AMORIM
Date: 01/07/2024	Date: 01/07/2024	Date: 01/07/2024
Sign: QC	Sign:	Sign:

SGS NoBo 1155 ☐ reviewed by ☐ witnessed by

TECNIMONT	Punch List **PUNCH LIST**	IDENTIFICATION CODE SHEET 1 / 1 · DOC.CLASS 1 · ISSUE 01
MECWIDE ENGINEERING CHALLENGES	**ISO ID: 2121 - PE41B03 - 1**	

No.	Field	Descripton	Date	Completed
		NO COMMENTS		

NOTES AND REMARKS

Ion Drayos Andrea
28.06.2024
On behalf of TCM

ZEGHERAN ADRIAN
01/07/2024
ON BEHALF OF TCM

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

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FC-6187

REPSOL

REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D
00	25-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM

LINE DATA

FLUID CODE: PE — LINE NO. 8"-PE-41B03-1E64 (HA)

PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.
1E64	HA / 40	A-5	N	20	19-A-19-000-1-01-00001 sheet 53

Tecnimont — PIPING ISOMETRIC

PLANT: SINES INDUSTRIAL COMPLEX — CLIENT REF: REPSOL POLYMEROS

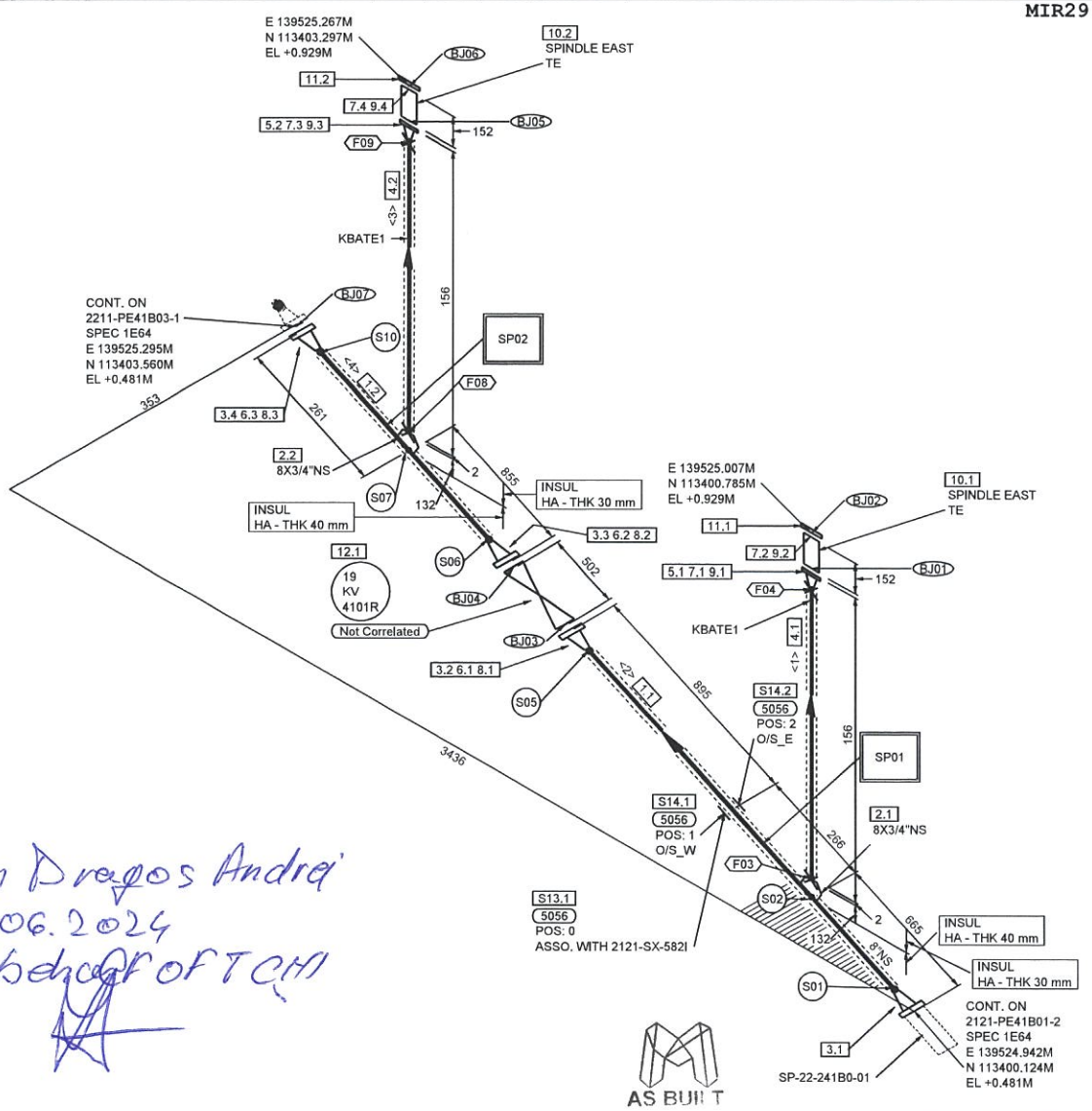
IDENTIFICATION CODE

Job	EICT	Area	N
4274	XHDL	2121	PE41B03
UNIT 19		SHEET 1	REV 00

REFERENCES

PIPING ASSEMBLY DRAWING	E C T N 19-L-19-000-2-00-86197 sheet 1	PIPING SUPPORT SPECIFICATION	E C T N XH-SG-00000002
PIPING STANDARD SUPPORT SUMMARY	E C T N XH-LP-00000001	PIPING ISOMETRIC LIST	E C T N XH-LD-21210001
PIPING TYPICAL INSTALLATIONS	E C T N XH-SL-00000002	WELDING SPECIFICATION	E C T N XH-SW-00000001

MIR29



Ion Dragos Andrei
28.06.2024
On behalf of TCM

AS BUILT

BILL OF MATERIALS

FABRICATION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	PIPE				
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B18STD> (L-7806)	8	I117995	2.5 M	
	FITTINGS				
2	REDUCING WELDOLET MSS-SP-97 A105N BE - C35DC44V01 S-STD S-XS <WOLA300F018151116> (L-347)	8X3/4	I9799217	2	
	FLANGES				
3	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R358STD> (L-236)	8	I4274966	4	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	PIPE				
4	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A13/4XS> (L-8679)	3/4	I132785	0.2 M	
	FLANGES				
5	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-XS <WNFA300R353/4XS> (L-236)	3/4	I9805754	2	
	GASKETS				
6	SPIRAL WOUND GASKET ASME B16.20 300# RFFE 304/PTFE CARBON STEEL SS 304 ASME B16.5 G03GFB1IG12 <SPAQ505R3EA8> (L-SPA05)	8	I63598792	3	
7	SPIRAL WOUND GASKET ASME B16.20 300# RFFE 304/PTFE CARBON STEEL SS 304 ASME B16.5 G03GFB1IG12 <SPAQ505R3EA3/4> (L-SPA05)	3/4	I63598745	4	
	BOLTS				
8	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G7/851/2> - 2 NUTS PER BOLT - 140 mm Length	7/8	I53437666	36	
9	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	16	
	VALVES / IN-LINE ITEMS				
10	BALL VALVE API 608 300# A216-WCB RFFE 316/R-PTFE. GF B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JFC29BZZG NREQD <B43_4L-AL084> (L-AL084)	3/4	I9918106	2	
11	BLIND FLANGE ASME B16.5 300# A105N RFFE NREQD 125 - 250 AARH F10CFC44B005 <BLFA300R353/4> (L-143)	3/4	I1652375	2	
	INSTRUMENTS				
12	INSTRUMENT COMPONENT 19KV4101R	8		1	
	SUPPORTS				
13	SPECIALITY SUPPORT - SP-017	8	5056	1	
14	RESTING SHOE WELDED -C1A1 H = 100 L = 300	8	5056	2	

CUT LIST

PIECE NO	LENGTH (MM)	SIZE (IN)
<1>	96	3/4"
<2>	1600	8"
<3>	96	3/4"
<4>	890	8"

WELD LIST

WELD NO	WELD CAT.	SIZE (IN)	WELD TYPE
S01	S	8"	BW
S02	S	3/4"	OL
F03	F	3/4"	BW
F04	F	3/4"	BW
S05	S	8"	BW
S06	S	8"	BW
S07	S	3/4"	OL
F08	F	3/4"	BW
F09	F	3/4"	BW
S10	S	8"	BW

BOLT LIST

BOLT NO	FLANGE SIZE(IN)	SIZE (IN)	LENGTH (MM)
BJ01	3/4"	5/8"	80
BJ02	3/4"	5/8"	80
BJ03	8"	7/8"	140
BJ04	8"	7/8"	140
BJ05	3/4"	5/8"	80
BJ06	3/4"	5/8"	80
BJ07	8"	7/8"	140

INCH METER

PIPE NS (IN)	CL LENGTH (M)
8	6.1
0.75	0.8

ISOMETRIC NO. 4274-SP-XH-DL-2121-PE41B03-1-IS00 — SPOOLING REV NO. 00

MECWIDE ENGINEERING CHALLENGES

	Prep.: TG	PROC. NR: PCL 22635
	Status: IFC	Date: 25-09-2023 Rev: 00
Dimentional:		Signature:
Before Welding	10/05/24	
After Welding	15/05/24	

* 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	SW	S	LET	LET	SOB	S
FW	S	SIB	S	LF	RF	SOF	S
LA	RF	SLW	S	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

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