

<b>TECNIMONT</b> Tecnimont S.p.A.	 <b>REPSOL</b> REPSOL POLIMEROS SA	4274_CONST ALBA PROJECT-PP AND PEL PLANTS	
<b>MOD-ITP-XL_220 RELEASE OF SPOOLS FROM WORKSHOP</b> Rev.1		Report n° <b>IP-WSR-P-310-000300_RFI4305_MOD-ITP-XL_220</b>	RFI Nr.: Date :
Unit - Plant Area - Isometric Number -			
Inspection Package Number <b>IP-WSR-P-310-000300_RFI4305 - IP Spool Release From Workshop</b>			

Sheet 01/01

The Present Inspection Package contains the following Elements:

1126-HCM32034-1-SP01;1126-HCM32026-6-SP05;1128-ET71042-3-SP04;1128-ET71042-1-SP01;1127-BDL51009-1-SP02;1126-PR35019-1-SP02;1113-HCM32044-1-SP03;1113-HCM32044-1-SP01;1127-PR50010-2-SP03  
ZZ;1127-PR50010-1-SP01;1126-PR35019-1-SP01;1113-HCM32044-1-SP04;1126-HCM32026-6-SP06;1128-ET71042-3-SP05;1127-BDL51009-1-SP01;1113-HCM32044-1-SP02;1113-HCM32030-1-SP01;1127-PR50010-1-SP02;2121-CT49A09-2-SP06;1128-ET71035-1-SP01;1126-HCM32030-2-SP04;1128-ET71050-1-SP03;1128-ET71050-1-SP02;1126-HCM32033-1-SP01;1126-HCM32030-2-SP02;1126-HCM32034-1-SP02;1126-HCM32026-1-SP04;1128-ET71042-1-SP02;2121-CT49A09-2-SP04;1126-HCM32044-1-SP02;1126-HCM32044-1-SP01;1128-ET71050-1-SP01;1128-ET71042-3-SP06;1126-HCM32033-1-SP02;1128-ET71035-1-SP02;1126-HCM32030-2-SP03;1126-HCM32030-1-SP01;2121-CT49A09-2-SP05

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)

On behalf of Tecnimont  
Dragos Andrei  
Mechanical Piping Spv.

05.09.2024

 reviewed by  
MoBo 1155 witnessed by  
JEP Andrei 03/09/2024

On behalf of Tecnimont  
Marco Altamore R  
NWI W

05/09/24 M.

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
SUBCONTRACTOR	Date [DD-MMM-YYYY]	Name				
CONTRACTOR						
COMPANY						
(Free)						

# ISO Summary List

Client TECNIMONT/REPSOL Job # 22635  
 Local Portugal Project 4274 ALBA-I007 Piping Fabrication  
 ISO # 2121-CT49A09-2 Revision 00  
 Piping Size/Class 4-1C14

Spool	Weld#	Joint	Product Description	Seq. N.	Heat #	M.Certificate	FM-Dos	WPS	WeldDate/Stamp	VT	NDT-PT/MT	NDT-PM/HFT	NDT-PN	NDT-FT	Extension 1	Extension 2
05 04	S09	BBW	2" PIPE - A106-B BE SMLS	442	23610199 ✓	23610199 ✓	CE2304170_3.1_01	PVY0311445	MW/20_BW	19/07/2024	BRCA-M0145	S08				
06 04	S11	BBW	2" STRAIGHT TEE ASME B16.9 A234-WPB BE	576	1111729 ✓	23610199 ✓	CE2304170_3.1_01	PVY0311445	MW/20_BW	19/07/2024	BRCA-M0145	S08				
07 05	S13	BBW	2" PIPE - A106-B BE SMLS	442	23610199 ✓	23610199 ✓	CE2304170_3.1_01	PVY0311445	MW/20_BW	19/07/2024	BRCA-M0145	S08				
08 05	S14	BBW	2" 90 ELBOW 10D ASME B16.9/A A234-WPB	442	23610199 ✓	23610199 ✓	CE2304170_3.1_01	PVY0311445	MW/20_BW	19/07/2024	BRCA-M0145	S08				
09 06	S16	BBW	2" PIPE - A106-B BE SMLS	442	23610199 ✓	23610199 ✓	CE2304170_3.1_01	PVY0311445	MW/20_BW	19/07/2024	BRCA-M0145	S08				
10 06	S17	BBW	2" STRAIGHT TEE ASME B16.9 A234-WPB BE	576	1111729 ✓	23610199 ✓	CE2304170_3.1_01	PVY0311445	MW/20_BW	19/07/2024	BRCA-M0145	S08				
11 06	S18	BBW	2" 90 ELBOW 10D ASME B16.9/A A234-WPB	442	23610199 ✓	23610199 ✓	CE2304170_3.1_01	PVY0311445	MW/20_BW	19/07/2024	BRCA-M0145	S08				
12 06	S19	BBW	2" PIPE - A106-B BE SMLS	442	23610199 ✓	23610199 ✓	CE2304170_3.1_01	PVY0311445	MW/20_BW	19/07/2024	BRCA-M0145	S08				
13 06	S20	BBW	4x2" ECCENTRIC REDUCER ASME B16.9 A234-4x2" ECCENTRIC REDUCER ASME B16.9 A234-4x4" WN FLANGE ASME B16.5 150# A105N RF	CERT. TCM/16029 CERT. TCM/16029 CERT. TCM/23301776	23610199 ✓ 23610199 ✓ BC-23-Y14501	23610199 ✓ 23610199 ✓ BC-23-Y14501	CE23011684_10_01 CE23011684_10_01 PVY1510889	MW/20_BW	12/08/2024	BRCA-M0145	S08					
<b>Notes</b>																
BW=Butt Weld; EW=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-Ferries Test																
<b>Remarks</b>																
APPROVED QC																
Name: <u>EMANUEL M. AREZ</u> Date: <u>05/09/2024</u> Sign: <u>ac</u>																
APPROVED by Client																
Name: <u>ALBERTO HALCO</u> Date: <u>05/09/2024</u> Sign: <u>jh</u>																
APPROVED by 3rd party or AI																
Name: <u>ANTONIO</u> Date: <u>05/09/2024</u> Sign: <u>ac</u>																

# 22635 / 2498  
 Page 1  
 % RT/UT  
 % PT/MT

Priority 2B  
**Assessment Inspection/Results**

	Punch List	IDENTIFICATION CODE		
	PUNCH LIST	SHEET 1 / 1	DOC.CLASS 1	ISSUE 01
	ISO ID: 2121 - CT49A09 - 2			

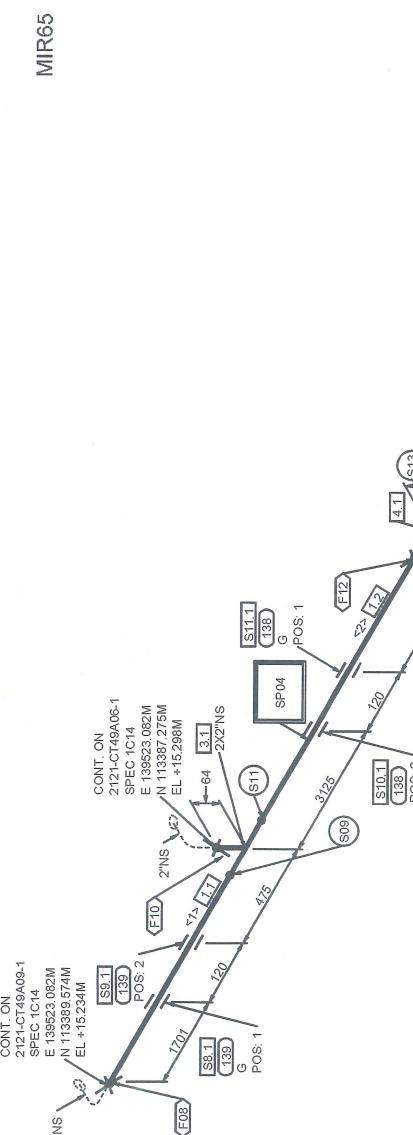
On behalf of Tecnimont  
**Dragos Andrei**  
Mechanical Piping Spv.

## NOTES AND REMARKS

On behalf of Tecnimont  
Marco Altamore R  
NWI 05/08/2016 W

05.09.2024

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

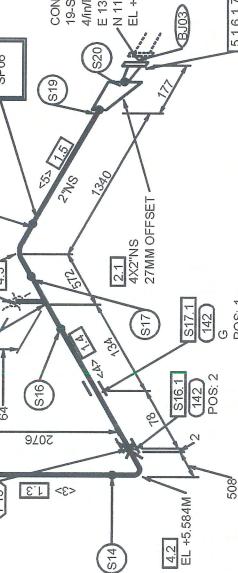


Tecniwell		PIPING ISOMETRIC			
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLIMEROS		JOB IDENTIFICATION CODE	
9391939867		N		Job ID: 4274	
PIPE ASSEMBLY DRAWING		E.C.T		IDENT. Area: CT49A09	
Ref: 9391939867		Rev: 00		Page: 2/121	
Piping Support Specification		UNIT		SHEET 2 / REV. 00	
XHS-S-00000002		N		E.C. N/AH-P-00000001	
Welding Typical Installations		N		XHS-SW-00000001	
XHD-D-20120001		N		WELDING SPECIFICATION	
XHS-S-00000002		N		XHS-SW-00000001	
<b>BILL OF MATERIALS</b>					
<b>FABRICATION MATERIALS</b>					
P/S NO.	DESCRIPTION	QTY.	ITEM CODE	NS (MM)	HOLD
	E-BEE				
1	PIPE - A108-B BE SMLS TO/A03/02/S-ST <#PPA010B12STD> (L-788)	2	H117862	15.8 M	
2	ECCENTRIC REDUCER ASME B16.9 A234-WFB BE SMLS C22DC00V01 S-STD	4/2	I128216	1	
3	S-STD SRE000P16151415-(L-788)				
3	STRAIGHT TEE ASME B16.9 A234-WFB BE SMLS C31DC0AV01 S-STD	2/2	I129100	2	
4	<TEBA20273/141414-(L-695)				
4	90 ELBOW 108 ASME B16.9/A A234-WFB BE SMLS C17SC0AV11 S-STD	2	I1207832	3	
5	<#PA0402/72STD-L-9009				
5	E-LANGES ASME B16.15/16W A105N RIFFE BE 125 - 250 AAGR	4	I5355796	1	
	FOR/CDC44BV06 S-STD <#NFA300R124STD> (L-149)				

ERCTION MATERIALS	DESCRIPTION	QTY.	HOLD
PS NO	ITEM CODE	NS (MM)	
GASKETS			
6	SPIRAL WOUND GASKET ASME B16.20 150# RFF 340/PTFE CARBON STEEL SS 304 ASME B16.5 GOOSERIB1012 <=>PAQ059R1A4> (L-SP-A04)	4	I2230491
BOLTS			
7	STUD BOLT ISUNITS ASME B18.31 1/2" x 18.2 x 1/2" A194-2H / A194-2B INCH SIZE 1010B0301 <=>B265/G98531/2> - 2 NUTS PER BOLT - 90 mm Length	5.6	I53437440
SLEEVES			
8	STANDARD GUIDE FOR NOT INS. PIPING-NIG1 VERT TRESTLES WELDED TO STR TR31 L120x120x12	2	139
9	VERT TRESTLES WELDED TO STR TR31 L120x120x12	2	139
10	STANDARD GUIDE FOR NOT INS. PIPING-NIG1	2	138
11	U BOLT FOR GUIDE FOR NOT INS. PIPING-NIG1	2	138
12	U BOLT FOR GUIDE FOR NOT INS. PIPING-NIG1	2	140
13	WELDED BRACKET TO STRUCT - S801L80x80x10	2	140
14	U BOLT FOR GUIDE-H20D	2	141
15	WELDED BRACKET TO STRUCT - S801L80x80x10	2	141
16	VERTICAL STAKES WELDED TO STR. ST42 L80x80x10	2	142
17	STANDARD GUIDE FOR NOT INS. PIPING-NIG1	2	142

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)	Size (IN)	Length (MM)	
<>		2331	F08	F	2"	BW	B03	4"	5/8"	90	
<>		3814	S09	S	2"	BW					
<>	8630	2"	F10	F	2"	BW					
<>		3814	S11	S	2"	BW					
<>	8630	2"	F12	F	2"	BW					
<>		4462	S13	S	2"	BW					
<>		2"	S14	S	2"	BW					
<>		3814	F15	F	2"	BW					
<>		3814	S16	S	2"	BW					
<>		3814	S17	S	2"	BW					
<>		3814	S18	S	2"	BW					
<>		3814	S19	S	2"	BW					
<>		3814	S20	S	4"						

SP-00100 REV NO. 00  
SOME TRIM NO. 4274-SP-XH-DL-2121-C749A09-2-4500



**On behalf of TecniMont**  
**Dragos Andrei**  
Mechanical Piping Spv.  
05.09.2024

AUTHORISED FOR CONSTRUCTION

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

NOTES & PARTS LIST NO.      PIPE SUPPORT      A = RESTING SUPPORT      B = AXIAL REST SUPPORT      C = GUIDE  
WHERE A WITHOUT NUMBERING IS INDICATED THIS MEANS THAT

SHEET NO. 1 OF 1