

 Tecnimont S.p.A.	 REPSOL REPSOL POLIMEROS SA	4274_CONST 4274-ALBA PROJECT-PP AND PEL PLANTS	
MOD-ITP-XL_220 RELEASE OF SPOOLS FROM WORKSHOP Rev.1		Report n° IP-WSR-P-310-000133_RFI2491_MOD-ITP-XL_220	
		RFI Nr.: _____	Date : _____
Unit - _____			
Plant Area - _____			
Isometric Number _____			
Inspection Package Number IP-WSR-P-310-000133_RFI2491 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

1121-HCM24059-2-SP02;1121-HCM24059-2-SP01;1121-JWR24007-2-SP03;1121-JWR24007-1-SP02-ZZ;1121-JW
R24007-1-SP01;1121-HCM24092-1-SP01;1121-PR43030-2-SP02;1121-PR43030-1-SP02;1121-PR43030-1-SP01;11
21-HCM24059-2-SP06;1121-HCM24059-2-SP04;1121-HCM24059-2-SP03;1121-HCM24089-4-SP06;1121-HCM2306
5-8-SP22;1121-HCM23065-8-SP12;1121-HCM23065-8-SP11;2121-CWR40B02-2-SP03;1121-PR43030-2-SP03;112
1-HCM23003-1-SP05;1121-P40025-4-SP05;1121-P40025-4-SP04;1121-P40025-4-SP03-
ZZ;1121-HCM24089-4-SP08-
ZZ;1121-HCM24089-4-SP07;2121-CYG41B02-1-SP01;1121-HCM23003-2-SP03;1121-HCM23003-2-SP04-
ZZ;1121-HCM23003-1-SP08;1121-HCM23003-1-SP07;1121-HCM23003-1-SP06;2121-CYG41B02-4-SP06;2121-CY
G41B02-3-SP05;2121-CYG41B02-3-SP04;2121-CYG41B02-2-SP08;2121-CYG41B02-2-SP03;2121-CYG41B02-1-S
P02;1121-PR23005-1-SP01;1121-HCM24057-6-SP13;1121-HCM24057-6-SP12;2211-CWR40B02-5-SP06;2211-CW
R40B02-1-SP01;2121-CYG41B02-4-SP07;2121-CYG41D05-1-SP01;2121-CYG41B12-1-SP01;2121-CT40U01-2-SP
02;1121-PR23005-1-SP04;1121-PR23005-1-SP03;1121-PR23005-1-SP02;2121-PE41B01-1-SP02;1121-PR43048-1-
SP02;1121-PR43048-1-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"

TECNIMONT Pinto Joaquim Mechanical Piping Spv. <i>Joaquim Pinto</i> <i>14/05/2024</i>		TECNIMONT I.D. Polifrenescu R NWI <i>14/05/2024</i> W	SGS NoBo 1155 <input checked="" type="checkbox"/> Reviewed by <input type="checkbox"/> witnessed by <i>JOAQUIM PINTO</i> <i>14/05/2024</i>
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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	14/05/2024	Date [DD-MMM-YYYY]	Name	Signature
CONTRACTOR	14/05/2024		<i>Patricia Texeu</i>	<i>Patricia Texeu</i>
COMPANY (Free)			<i>JOAQUIM PINTO</i>	<i>Joaquim Pinto</i>



ISO Summary List

22635 / 1632
Page 1
% RT/UT
% PT/MT

Client TECNIMONT/REPSOL Job # 22635
Local Portugal Project 4274 ALBA-1007 Piping Fabrication

ISO # 2121-PE41B01-1 Revision 01 Priority 2
Piping Size/Class 10-1E64 PED Category III
Assessment Inspection/Results

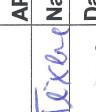
Spool	Weld#	Joint	Product Description	Seq. N.	Heat #	M.Certificate	FM-Dos	WPS	WeldDate/Stamp	VT	NDT-PT/MT	NDT-RT/UT	NDT-PMI/HT	NDT-PN	NDT-FT	Extension 1	Extension 2
02	S07✓	BW	10x10" WN FLANGE ASME B16.5 300# A105N 10" 90° ELBOW 4D ASME B16.9/AA A234-WPB	37 81	20EE22✓ 94698	224997 CE2005/152_3.1_01	17: Vareta - PVX4010501 20: Eletron - SBX2612148	MW.21_BW S287	07/03/2024 VI-M-055		RT:RT-1-0570						

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

APPROVED QC	APPROVED by Client	APPROVED by 3rd party or AI
Name:  Patricia Texeira Date: 14/05/2024 Sign: 	Name:  SGS Date: 14/05/2024 Sign: 	Name:  Wärtsilä Date: 14/05/2024 Sign: 

Remarks

Review:  NoBo 1155  Written: 

Sign:

SGS

qc

Review:  NoBo 1155  Written: 

Sign:



Punch List

PUNCH LIST

IDENTIFICATION CODE

SHEET 1 / 1	DOC.CLASS 1	ISSUE 01
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ISO ID: 2121 - PE41B01-1

GUARANTEE FOR LINES NPS 1,1/2" AND SMALLER SHAWS
WIG TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTORS
DEFINITIONS REFER TO LINE LIST 4048-X-HLL-1D-0000-00

RKED
FOR LINE DATA AND TESTING CONN
DF INLINE COMPONENT MUST BE LEFT SUSSETE
ALL DIMENSION AND PROPER CONFI

BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED
3 FIELD WELDED, ONE WELDED FOR ADJUSTMENT
ADJUSTMENT OF IN-LINE COMPONENT WHERE MAINTAIN

FIELD WELD SYMBOL FOR A
FOR THE COMPONENT MARKED AS
LINES 1 1/2 AND SMALLER SHALL
Notes.

LINE DATA					
FLUID CODE: PE			LINE NO. 10-DE-41/B01-1E64 (HA)		
	PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE
ISSUED FOR CONSTRUCTION	TG	MW	TM		
ISSUED FOR CONSTRUCTION	TG	MW	TM		
REVISION	DRAWN	CHKD	APPD		
DESCRIPTION	UP	UP	UP		

3

This technical drawing illustrates a complex mechanical assembly, likely a sensor or probe assembly, with the following key components and dimensions:

- INSUL HA - THK 40 mm**: A rectangular component at the bottom left.
- CONN. TO 19-D4103B 10inFRFF300 E 13924.750M N 113398.165M EL +42.279M**: Connection details for a component with serial number 19-D4103B.
- 4.1**: A circular feature with a diameter of 09.
- 3.1**: A circular feature with a diameter of 568.
- F06**: A hexagonal feature.
- B.05**: A small circular feature.
- 4.2.5.1**: A small circular feature.
- 7.1**: A small circular feature.
- 1016**: A dimension of 1016.
- 19 KV 4101E**: Electrical rating information.
- 3/4"NS**: Thread size specification.
- 4.1**: A circular feature with a diameter of 09.
- 3.1**: A circular feature with a diameter of 568.
- F06**: A hexagonal feature.
- B.05**: A small circular feature.
- 4.2.5.1**: A small circular feature.
- 7.1**: A small circular feature.
- 1016**: A dimension of 1016.
- 19 KV 4101E**: Electrical rating information.
- 3/4"NS**: Thread size specification.
- 1138**: A dimension of 1138.
- 10"NS**: Thread size specification.
- 1139**: A dimension of 1139.
- 10"NS**: Thread size specification.
- 1011**: A dimension of 1011.
- 99**: A dimension of 99.
- SP02**: A rectangular component labeled SP02.
- 1000**: A dimension of 1000.
- INSUL N - THK 0 mm PAINT 6**: A rectangular component at the top right.
- CONT. ON 2121-PE41B01-2**: Continuation reference for part 2121-PE41B01-2.
- SPEC E84 E. 33524.849M N 113398.176M EL +4.508M**: Specification information for part 2121-PE41B01-2.
- INSUL HA - THK 40 mm PAINT 20**: A rectangular component at the bottom right.

E 139524.67
N 113337.34

W

AS BULI

TECNIMONT
Pinto Joaquim
Mechanical Piping Spv.
Joaquim Pinto
14/05/2022

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

ISOMETRIC NO. 4274-SP-XH-DL-2121-P#41B01-1-IS01 SPOOLING REV NO. 01

SHEET NO. 1 OF 4

BILL OF MATERIALS						
FABRICATION MATERIALS		PS NO	DESCRIPTION	ITEM CODE	QTY.	HOLD
			NS (MM)	NS (MM)		
		1	FITTINGS 90 ELBOW AD ASME B16.9M A1234-NPBF BE SMLS CBRS040V1 S-STD <N/A> (NA)	10	19948549	1
		2	ELANES WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH POTFC4BV05 S-STD <WNFA300R3510STD> (L-239)	10	14274968	1

ERCTION MATERIALS		PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
		3	EITNESS SPECIALTY COMPONENT	10	SP-22-241B0-02	1	
		4	SPIRAL WOUND GASKET ASME B16.20 300# RFFE 304/316T CARBON STEEL SS 304 ASME B16.5 G03GPB1G12 ->SPAO50538A10- (L-SPAO5)	10	HS3598749	3	
		5	BOLTS STUD BOLT&NUTS ASME B18.31(2) B18.2(2) A193-B7/A193-2H INCH SIZE 1010CB0301 ->SB250591G1834- - 2 NUTS PER BOLT 1020CB0301 ->SB250591G1831(2) B18.2(2) A193-B7/A193-2H INCH SIZE 1010CB0301 ->SB2515G1614- - 2 NUTS PER BOLT - 160 mm Length	1	HS5849435	16	
		6	INSTRUMENTS	1	HS5437866	16	
		7	SUPPORTS SPECIALTY SUPPORT - SP-016 SPECIALTY SUPPORT - SP-015	10	5052 5051	1 1	

CUT LIST		WELD LIST			BOLT LIST			PIPE LENGTHS	
Piece No.	Length (MM)	Size (IN)	Weld No.	Weld Cat.	Size (IN)	Weld Type	Bolt No.	Flange Size (IN)	Size (IN)
S07	906	S		F	10"	BW	B05	10"	1"
					10"	BW	B06	10"	1"

SHEET NO. 1 OF 4

MIB03

PCL 2205
11-2023 [Rev 01]

event in the field
DOPYLENE (PP)

SHEET NO. 1 OF 1