

 Tecnimont S.p.A.	 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-310-000146_RFI2644_MOD-ITP-XL_220	
		RFI Nr.:	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000146_RFI2644 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2121-CYG41A06-3-SP02;2121-CYG41A06-3-SP01;2121-CYG40B04-3-SP04;1121-HCM24069-1-SP03;1121-HCM24069-1-SP02;1121-HCM24069-1-SP01;1121-HCM23018-9-SP06;1121-HCM23018-9-SP05;1121-PR34022-2-SP02;1121-PR34022-2-SP01;1121-HCM32019-5-SP03-ZZ;1121-HCM32019-4-SP04;2121-CYG40B04-3-SP06;2121-CYG40B04-3-SP05;1121-P40030-1-SP01;2211-PE41D02-5-SP16;2211-PE41D02-5-SP15;1121-PR34022-2-SP10;1121-PR34022-2-SP04;1121-PR34022-2-SP03;1121-BDL60026-4-SP01-ZZ;1121-BDL60026-3-SP01-ZZ;2121-CYG41A02-3-SP04;2121-CYG41A02-3-SP03;1121-P40030-1-SP03;1121-P40030-1-SP02;1121-P40024-1-SP01;1121-BDL60035-4-SP04;1121-BDL60035-4-SP03;1126-PR36016-1-SP03;1126-PR36016-1-SP02;1126-PR36016-1-SP01;1115-BU73053-2-SP01;1121-P40024-1-SP03;1121-P40024-1-SP02

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"


 Pinto Joaquim
 Mechanical Piping Spv.
 Joaquim Pinto
 28/05/2024

ON BEHALF OF TCM
 ZEGHEBAU ADRIAN
 28/05/2024

JOAO AURELIO
 28/05/2024
 reviewed by
 witness by

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	28/05/2024	Fernando Almeida		QC	
CONTRACTOR					
COMPANY					
(Free)					

ISO Summary List

22635 / 2013

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-CYG41A02-3**

Revision **00**

Priority **2**

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
03	S13	BW	8x8" WN FLANGE ASME B16.5 300# A105N RF 8" PIPE - A106-B BE SMLS	37 22	04EE23 23302454	224997 23310551	3:Eletrodo - SBX1211788 17:Vareta - PVX4010501	MW.21_BW	15/04/2024 S71	VT-M-083		RT: RT-I-0654	HT: HT-M-011-A				
04	S14	OL	8" PIPE - A106-B BE SMLS 8x.75" REDUCING 45 LATROLET MSS SP-97 A	22	23302454	23310551	3:Eletrodo - SBX1211788 17:Vareta - PVX4010501	MW.21_SBR	15/04/2024 S71	VT-M-083	MT: MT-I-080-A		HT: HT-M-011-A				
05	S17	BW	8" PIPE - A106-B BE SMLS 8x8" WN FLANGE ASME B16.5 300# A105N RF	22 37	23302454 04EE23	23310551 224997	3:Eletrodo - SBX1211788 17:Vareta - PVX4010501	MW.21_BW	13/04/2024 S71	VT-M-082		RT: RT-I-0654	HT: HT-M-011-A				
06	S18	BW	8x8" WN FLANGE ASME B16.5 300# A105N RF 8" PIPE - A106-B BE SMLS	37 22	04EE23 23302454	224997 23310551	3:Eletrodo - SBX1211788 17:Vareta - PVX4010501	MW.21_BW	13/04/2024 S71	VT-M-082		RT: RT-I-0654	HT: HT-M-011-A				
07	S19	BW	8" PIPE - A106-B BE SMLS 8x8" WN FLANGE ASME B16.5 300# A105N RF	22 37	23302454 04EE23	23310551 224997	3:Eletrodo - SBX1211788 17:Vareta - PVX4010501	MW.21_BW	15/04/2024 S71	VT-M-083		RT: RT-I-0654	HT: HT-M-011-A				

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: *Fernando Almeida*

Date: *28/05/2024*

Sign: *[Signature]*

OC

APPROVED by Client

Name: *REGHEANU ADRIAN*

Date: *28/05/2024*

Sign: *[Signature]*

APPROVED by 3rd party or AI

Name: *JOAO AMORIM*

Date: *28/05/2024*

Sign: *[Signature]*

REFERENCES	PIPING ASSEMBLY DRAWING	E C T N 19-L-19-000-2-00-86197 sheet 7	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

BILL OF MATERIALS

FABRICATION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B18STD> (L-7806) FITTINGS	8	I117995	10.4 M	
2	REDUCING 45 LATROLET MSS-SP-97 A105N BE - C36DC44V01 S-STD <LABA300F018151116> (L-LAB22) FLANGES	8X3/4	I59602377	1	
3	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01FCF44BV05 S-STD <WNFA300R358STD> (L-236)	8	I4274966	4	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
4	PIPE PIPE - A106-B PE SMLS T01AC03202 S-XS <P1PA010A134XS> (L-6679)	3/4	I132785	0.1 M	
5	FLANGES WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFCA4B05 S-XS <WNFA300R3534XS> (L-236).	3/4	I9805754	1	
6	GASKETS SPIRAL WOUND GASKET ASME B16.20 300# RFFE 304/PTFE CARBON STEEL SS 304 ASME B16.5 G03GB1G12 <SPAQ505R3EA8> (L-SPA05)	8	I63598792	2	
7	SPIRAL WOUND GASKET ASME B16.20 300# RFFE 304/PTFE CARBON STEEL SS 304 ASME B16.5 G03GB1G12 <SPAQ505R3EA34> (L-SPA05)	3/4	I63598745	2	
8	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G7/851/2> - 2 NUTS PER BOLT - 140 mm Length	7/8	I53437666	24	
9	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G6/831/4> - 2 NUTS PER BOLT - 80 mm Length	5/8	I53437418	8	
10	VALVES / INLINE ITEMS BALL VALVE API 608 300# A216-WCB RFFE 316R-PTFE. GF B72H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 HYDROGEN V04JFC28BZZE NREQD <N/A> (N/A).	3/4	I64605273	1	
11	BLIND FLANGE ASME B16.5 300# A105N RFFE NREQD 125 - 250 AARH F10CFCA4B005 <BLFA300R3534> (L-143).	3/4	I1652375	1	
12	SUPPORTS WELDED EXTENSIONS-EW06 DN2 = 6 L = 531	8	5068	1	
13	SPECIALITY SUPPORT - SP-011	8	5068	1	
14	PIPING SUPPORT - BEAMS- BE02 UPN140	8	5065	2	
15	WELDED GUIDE-C1G3 H = 100 L = 300	8	5065	1	
16	WELDED GUIDE-C1G3 H = 100 L = 300	8	5248	1	
17	PIPING SUPPORT - BEAMS- BE02 UPN140	8	5248	1	

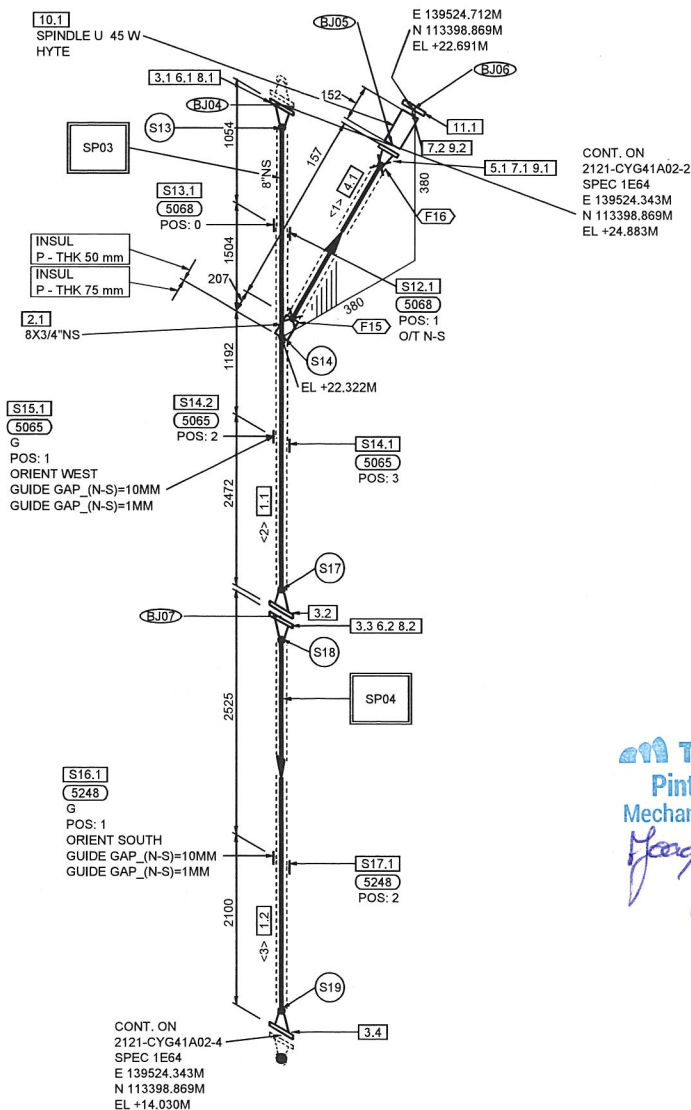
CUT LIST			WELD LIST				BOLT LIST			
PIECE NO	LENGTH (MM)	SIZE (IN)	WELD NO	WELD CAT.	SIZE (IN)	WELD TYPE	BOLT NO	FLANGE SIZE(IN)	SIZE (IN)	LENGTH (MM)
<1>	100	3/4"	S13	S	8"	BW	BJ04	8"	7/8"	140
<2>	5996	8"	S14	S	3/4"	OL	BJ05	3/4"	5/8"	80
<3>	4399	8"	F15	F	3/4"	BW	BJ06	3/4"	5/8"	80
			F16	F	3/4"	BW	BJ07	8"	7/8"	140
			S17	S	8"	BW				
			S18	S	8"	BW				
			S19	S	8"	BW				
							INCH METER			
							PIPE NS (IN)		CL LENGTH (M)	
							8 0.75		17.0 0.4	
ISOMETRIC NO. 4274-SP-XH-DL-2121-CYG41A02-3-IS00							SPOOLING REV NO. 00			

This document is Technimor's property, and cannot be used by others for any purpose without prior written consent.

ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1, 1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION. GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 4048-XH-SG-00000000000004 FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-LL-10-0000-000001

ES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED
FOR THE COMPONENT MARKED AS FIELD WELDED ONE WELDED FOR ADJUSTMENT OF IN-LINE
FIELD WELD SYMBOL FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE MARKED

N



TECNIMONT
Pinto Joaquim
Mechanical Piping Spv.


Joachim Pinto
28/05/2024



AUTHORISED FOR CONSTRUCTION

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

LEGENDS							
JOINT TYPE	HMEI TYPE OF JOINT	JOINT TYPE	HMEI TYPE OF JOINT	JOINT TYPE	HMEI TYPE OF JOINT	JOINT TYPE	HMEI TYPE OF JOINT
SW	Q	SW	S	LET	LET	BOB	B

 MEC WIDE ENGINEERING CHALLENGES	Prep.: _____	TG _____	PROC. NR: _____	PCL 22635
	Status: IFC	Date: 12-09-2023	Rev: _____	
Dimensional:			Signature: _____	
Before Welding	24/24		_____	
After Welding	16/24		_____	

* Assinilate deviation in the drawings ("* n" or "n").

Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)

NEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP)
PROJECT - ALBA PROJECT

A = RESTING SUPPORT G = GUIDE F = AXIAL RESTRAINT B = GUIDE + STOP M = SPRING

1 DENOTES PARTS LIST NO.

PIPE

A = RESTING SUPPORT G = GUIDE F = AXIAL RESTRAINT B = GUIDE + STOP M = SPRING

PROJECT: LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP)

ISOMETRIC NO. 4274-SP-XH-DL-2121-CYG41A02-3-IS00

SPOOLING REV NO. 00