

 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-310-000146_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-000000001** (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
 ZEGHEANU ADRIAN
 28/05/2024

JOAO AURELIO
 28/05/2024
 reviewed by
 witnessed 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 / 1769

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-CYG40B04-3**

Revision **00**

Priority **2**

Piping Size/Class **6-1E64**

PED Category **III**
Assessment Inspection/Results

Spot	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	04	S08	BW 6x6" WN FLANGE ASME B16.5 300# A105N RF	37	05HC23	224997	17:Vareta - PVX4010501	MW.21_BW	14/03/2024	VT-M-061		RT: RT-I-0613					
			6" 45 LR ELBOW ASME B16.9 A234-WPB BE S	571	714138	CE23004165_3.1_01	20:Eletrodo - SBX2612148		S08								
02	04	S09	BW 6" 45 LR ELBOW ASME B16.9 A234-WPB BE S	571	714138	CE23004165_3.1_01	17:Vareta - PVX4010501	MW.21_BW	07/03/2024	VT-M-055		RT: RT-I-0573					
			6" PIPE - A106-B BE SMLS	116	23101232	23503497	20:Eletrodo - SBX2612148		S286								
03	04	S10	BW 6" PIPE - A106-B BE SMLS	116	23101232	23503497	17:Vareta - PVX4010501	MW.21_BW	08/03/2024	VT-M-057		RT: RT-I-0573					
			6" 45 LR ELBOW ASME B16.9 A234-WPB BE S	571	714138	CE23004165_3.1_01	20:Eletrodo - SBX2612148		S286								
04	04	S11	BW 6" 45 LR ELBOW ASME B16.9 A234-WPB BE S	571	714138	CE23004165_3.1_01	17:Vareta - PVX4010501	MW.21_BW	14/03/2024	VT-M-061		RT: RT-I-0613					
			6x6" WN FLANGE ASME B16.5 300# A105N RF	37	05HC23	224997	20:Eletrodo - SBX2612148		S08								
05	05	S12	BW 6x6" WN FLANGE ASME B16.5 300# A105N RF	37	05HC23	224997	17:Vareta - PVX4010501	MW.21_BW	06/03/2024	VT-M-054		RT: RT-I-0564					
			6" PIPE - A106-B BE SMLS	116	23101232	23503497	3:Eletrodo - SBX1211788		S286								
06	05	S13	BW 6" PIPE - A106-B BE SMLS	116	23101232	23503497	17:Vareta - PVX4010501	MW.21_BW	07/03/2024	VT-M-055		RT: RT-I-0585					
			6x6" WN FLANGE ASME B16.5 300# A105N RF	37	05HC23	224997	20:Eletrodo - SBX2612148		S286								
07	06	S14	BW 6x6" WN FLANGE ASME B16.5 300# A105N RF	37	05HC23	224997	17:Vareta - PVX4010501	MW.21_BW	07/03/2024	VT-M-055		RT: RT-I-0564					
			6" PIPE - A106-B BE SMLS	116	23101232	23503497	20:Eletrodo - SBX2612148		S286								
08	06	S15	BW 6" PIPE - A106-B BE SMLS	116	23101232	23503497	17:Vareta - PVX4010501	MW.21_BW	06/03/2024	VT-M-054		RT: RT-I-0564					
			6x6" WN FLANGE ASME B16.5 300# A105N RF	37	05HC23	224997	3:Eletrodo - SBX1211788		S286								

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: *Francisco M. Munch*
 Date: *28/05/2024*
 Sign: *[Signature]*

APPROVED by Client

Name: *ZEGHELO DEIA*
 Date: *28/05/2024*
 Sign: *[Signature]*

APPROVED by 3rd party or AI

Name: *JOAQUIM*
 Date: *28/05/2024*
 Sign: *[Signature]*



LINE DATA									
FLUID CODE: CYG					LINE NO. 6"-CYG-40B04-1E64 (P)				
PIPING MATERIAL CLASS		INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.			
1E64		P / 50	A-5	N	1	19-A-19-000-1-01-00001 sheet 29			
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D				
00	06-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM				



PIPING ISOMETRIC				IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		Job	EIC	Area	N
				4274	XHDL	2121	CYG40B04
				UNIT	19	SHEET	3
				REV	00		
P&ID ASSEMBLY DRAWING: E C Y N		PIPING SUPPORT SPECIFICATION: E C Y N		PIPING STANDARD SUPPORT SUMMARY: E C Y N		PIPING TYPICAL INSTALLATIONS: E C Y N	
PIPING ISOMETRIC LIST: XH-LD-21210001		PIPING TYPICAL INSTALLATIONS: XH-SL-00000002		WELDING SPECIFICATION: XH-SW-00000001			

MIR02

BILL OF MATERIALS

FABRICATION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B16STD> (L-7806)	6	1117981	13.3 M	
2	45 LR ELBOW ASME B16.9 A234-WPB BE SMLS C02D004V01 S-STD <45LA200F365STD> (L-7956)	6	I201303	2	
3	WV FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC4B V05 S-STD <WVFA300R356STD> (L-236)	6	14274965	6	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
4	GASKETS SPIRAL WOUND GASKET ASME B16.20 300# RFFE 304/PTFE CARBON STEEL SS 304 ASME B16.5 G03GFB1G12 <SPAQ505R3EA6> (L-SPA05)	6	163598782	3	
5	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G3/4S> - 2 NUTS PER BOLT - 125 mm Length	3/4	I53437468	36	
6	SUPPORTS WELDED GUIDE-C1G1 H = 100 L = 300	6	5158	1	
7	RESTING SHOE WELDED -C1A1 H = 100 L = 300	6	5160	1	
8	VERT.TRESTLES WELDED TO STR TR34 HEA120	6	5161	1	
9	WELDED GUIDE-C1G1 H = 100 L = 300	6	5161	1	

CUT 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>	1715	6"	S08	S	6"	BW	BJ04	6"	3/4"	125
<2>	5828	6"	S09	S	6"	BW	BJ05	6"	3/4"	125
<3>	5736	6"	S10	S	6"	BW	BJ06	6"	3/4"	125
			S11	S	6"	BW				
			S12	S	6"	BW				
			SF05	F	6"	FT				
			S13	S	6"	BW				
			S14	S	6"	BW				
			SF06	F	6"	FT				
			SF07	F	6"	FT				
			S15	S	6"	BW				

WELD LIST

BOLT LIST

INCH METER

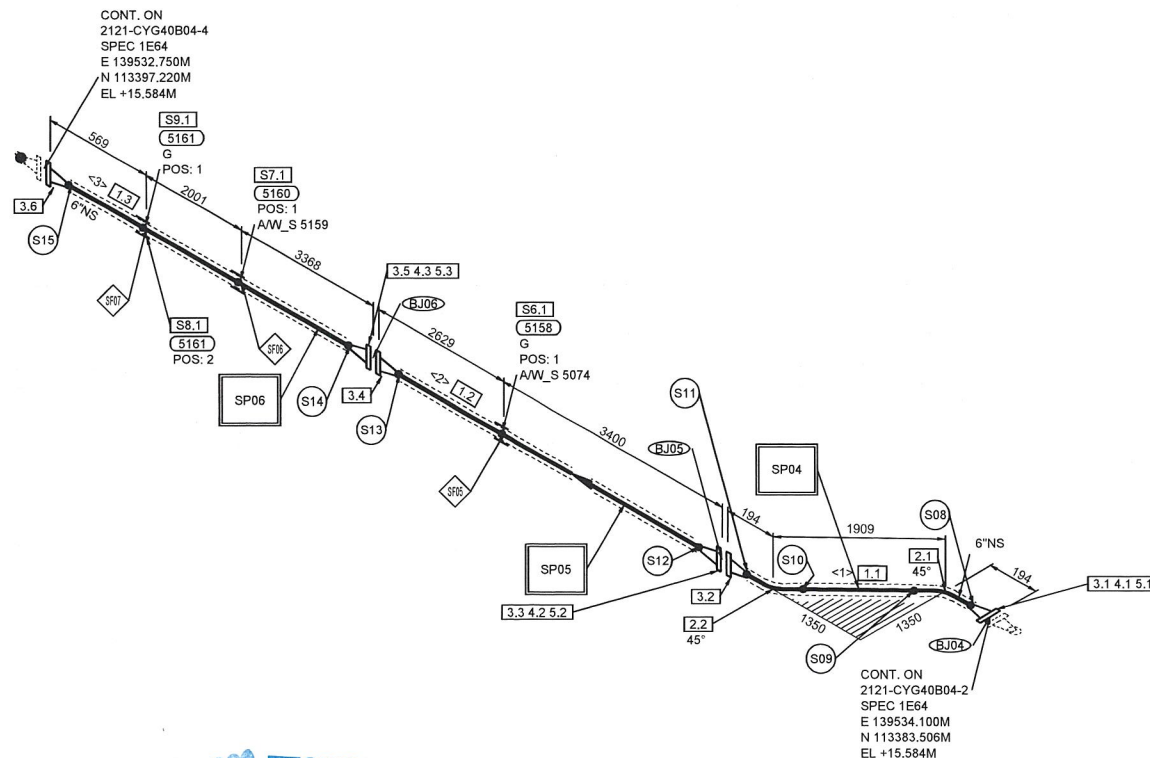
PIPE NS (IN) CL LENGTH (M)

6 14.2

ISOMETRIC NO. 4274-SP-XH-DL-2121-CYG40B04-3-IS00

SPOOLING REV NO. 00

SHEET NO. 1 OF 1



TECNIMONT

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

AUTHORISED FOR CONSTRUCTION

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

LEGEND

JOINT TYPE	WELD TYPE OF JOINT	JOINT TYPE	WELD TYPE OF JOINT	JOINT TYPE	WELD TYPE OF JOINT	JOINT TYPE	WELD TYPE OF JOINT
BW	G	BW	S	LET	LET	BOB	S
PW	S	BS	S	LP	RF	BOF	S
LA	RF	BLW	S	MTW	M	THD	TH

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

MECOWIDE ENGINEERING CONSULTANTS	Prep: TG	PROC. NR: PCL 22635
	Status: IFC	Date: 06-09-2023 Rev: 00
Dimensional:	Signature:	
Before Welding:	5.3.24	
After Welding:	13.3.24	
* Assinalate deviation in the drawings ("n" or "n").		
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrolo OK)		