

**TECNIMONT**

Tecnimont S.p.A.

REPSOL POLIMEROS  
SA

4274\_CONST

ALBA PROJECT-PP AND PEL PLANTS



MOD-ITP-XL\_220 RELEASE OF SPOOLS FROM WORKSHOP

Rev.1

Report n°  
IP-WSR-P-310-000224\_RFI3591\_MOD-ITP-XL\_220

RFI Nr.: Date :

Unit -

Plant Area -

Isometric Number

Inspection Package  
Number IP-WSR-P-310-000224\_RFI3591 - IP Spool Release From Workshop

Sheet 01/01

The Present Inspection Package contains the following Elements:

2121-CYG40B01-4-SP02;2121-CYG40B01-4-SP01;2211-PE41B03-3-SP10;2211-PE41B03-3-SP09;2211-PE41B03-3-SP08;2211-PE41B03-3-SP07;2121-CYG40C05-5-SP10;2121-CYG40B03-1-SP02;2121-CYG40B03-1-SP01;2121-CYG40B02-2-SP03

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  
23.07.2024.  
On behalf of TCM

SGS  
N. Br. 1155 □ reviewed by  
25/07/2024

ZEGHEBANU ANDREI  
23/07/2024  
ON BEHALF OF TCM

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			Signature
CONTRACTOR					
COMPANY (Free)					

**ISO # 2121-CYG40B01-4**  
**Piping Size/Class 42-1E87**

# ISO Summary List

**# 22635 / 1911**  
Page 1

**Client TECNIMONT/REPSOL**  
**Job # 22635**  
**Project 4274 ALBA-I007 Piping Fabrication**
**% RT/UT**  
**% PT/MT**
**Priority 2B**  
**Revision 01**  
**PED Category III**  
**Assessment Inspection/Results**

Spool	Weld#	Joint	Product Description	Seq. N.	Heat #	M.Certificate	FM-Dos	WPS	WeldDateStamp	VT	NDT-PT/MT	NDT-PMI/HT	NDT-RT/UT	NDT-PN	NDT-FT	Extension 1	Extension 2
02 01	S25	BW	42x42" WN FLANGE ASME B16.47-B-300# A10	38	75fC22 ✓	225263	13.Eletrodo F - SF545f32	MW.20_BW	31/05/2024	S286	BRCA-M-042		RT:RT-L010041				
03 01	S26	BW	42" PIPE - A671-CC60 BE EFW CL.22 SUPPL	42	VSB60278 ✓	DSC-23-480-06	28Varieta - PVY1211846		01/06/2024	S286	BRCA-M-042		RT:RT-L010041				
04 02	S27	BW	42x42" WN FLANGE ASME B16.47-B-300# A10	38	VSB60278 ✓	DSC-23-480-06	13.Eletrodo F - SF545f32	MW.20_BW	S338	BRCA-M-042		RT:RT-L010041					
05 02	S28	SIB	42" PIPE - A671-CC60 BE EFW CL.22 SUPPL	42	75fC22 ✓	225263	28Varieta - PVY1211846	MW.20_BW	31/05/2024	S208	BRCA-M-042		RT:RT-L010041				
06 02	S31	BW	3" PIPE - A106-B BE SMLS	17	2231708 ✓	23310546	13.Eletrodo F - SF545f32	MW.20_SBR	05/06/2024	S338	VR-M-0132		MT:MT-T085-A				
			42" PIPE - A671-CC60 BE EFW CL.22 SUPPL	42	VSB60278 ✓	DSC-23-480-06	28Varieta - PVY1211846	MW.20_BW	01/06/2024	S337	BRCA-M-042		RT:RT-L010041				
			42x42" WN FLANGE ASME B16.47-B-300# A10	38	75fC22 ✓	225263	28Varieta - PVY1211846										

**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**  
Name: 2055 CA 05  
Date: 23.7.23  
Sign: J.C. QC
**APPROVED by Client**  
Name: 2055 CA 05  
Date: 23.7.23  
Sign: J.C.
**APPROVED by 3rd party or AI**  
Name: JOSE ANTONIO  
Date: 25/07/2024  
Sign: SGA  
Note: Review done  
Ref: RC 1155  witness checked



## Punch List

PUNCH LIST

### **IDENTIFICATION CODE**

SHEET  
1 /

DOC.CLASS  
1

ISSUE  
01



ISO ID: 2121 - CYG40B01 - 4

Ion Dragos Andrei

23.07.2024.

On behalf of TCR

## NOTES AND REMARKS

~~ZECHEMAG ADRIAN  
23/07/2024  
ON BEHALF OF TCM~~

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

**FC-1911**

**AUTHORISED FOR CONSTRUCTION**

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

1 DENOTES PARTS LIST NO

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

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

WHERE A / WITHOUT NUMBERING IS INDICATED THIS MEANS THAT THERE IS A SUPPORT DIRECTLY ON THE STRUCTURE

**LINE DATA**

		FLUID CODE: CYG	LINE NO: 42-CYG40B01-1E87 (PS)				
		PIPING MATERIAL CLASS	INSULATION CLASS	WELD CLASS	HEAT TREATMENT	PAINTING CODE	
TG	MN	TG	MN	DRAWN UP	CHKD UP	APFD UP	P&ID No.
01	15-01-2024	ISSUED FOR CONSTRUCTION	ISSUED FOR CONSTRUCTION				1E87
00	08-09-2023						
REV	DATE	DESCRIPTION	REVISION				19-A-19-0000-01-00001 sheet 29

**PLANT: SINES INDUSTRIAL COMPLEX**

**CLIENT REF: REPSOL POLYMERS**

**PIPING ISOMETRIC**

**UNIT**

**IDENTIFICATION CODE**

**Job** 4274 **IECI** XHDL **Area** 2121 **Unit** 19 **Sheet** 4 **Rev** 01

**Standard** CY40B01 **Standard Support Summary** XH-SL-00000001

**Support Standard** XH-SL-00000002 **Support Typical Installations** XH-SL-00000002

**Welding Specification** XH-SL-00000001

**BILL OF MATERIALS**

**FABRICATION MATERIALS**

PS NO	DESCRIPTION	ITEM CODE	QTY.	NS (MM)
1	PIPE, A671-C260 BE FW/CL 22 SUPPL. REQ. S2 TO/4CZ7V10 S-2032	1E632632	42	1E632632
2	PIPE, A105-B BE SMLS TOTAL AC030702 S-STD-PPA10B1AS1D-(L-7806)	1H17921	3	0.3 M
3	WLF FLANGE ASME B16.5/B-30/W A152N RFFE BE 125-250 AARH	1E3898454	42	4

**ERCTION MATERIALS**

PS NO	DESCRIPTION	ITEM CODE	QTY.	NS (MM)
4	BUTTLES	1E61-L4002	42	1E61-L4003
5	SPECIALTY COMPONENT	1E64-L4003	1	1E64-L4003
6	SPECIALTY COMPONENT	SP06-240B2-02	1	SP06-240B2-02
7	GASKETS	1E800431	4	1E800431
8	LOCKETTE GASKET ASME B16.20 300# RFFE SS 316 / GRAPHROL Cr. GTH	1E3437464	34	1E3437464
9	BOLTS	1E3437464	8	1E3437464
10	STUD BOLTS ASME B18.31-2.2 A193-B7/A194-2H INCH SIZE	1E3437464	34	1E3437464
	INSTRUMENTATION	1E3437464	3	1E3437464
	SUPPORTS	1E3437464	1	1E3437464
	SPECIALTY SUPPORT - SP-021	1E3437464	1	1E3437464

**PIPE SUPPORTS**

PIECE NO	DESCRIPTION	WELD NO	WELD CAT.	SIZE (IN)	WEED TYPE	BOLT NO	FLANGE SIZE(N)	LENGTH (MM)
<>	3068	S25	S	42"	BW	BJ11	3"	105
<>	3066	S26	S	42"	BW	BJ11	3"	105
<>	1504	S27	S	42"	BW	BJ11	3"	105
		S28	S	3"	SUB	BJ11	3"	105
		F30	F	3"	BW	BJ11	3"	105
		S31	S	42"	BW	BJ11	3"	105

**ITEM CODE IDENTIFICATION CODE**

Job	IECI	Area	Unit	Sheet	Rev	N
4274	XHDL	2121	19	4	01	CY40B01

**PIPE SUPPORTS**

PIPE LENGTH (IN)	CL LENGTH (M)
42	12.0
3	0.9
5	0.5

**INCH METER**

**NOTES**

\* ASINOLATE deviation in this drawing is  $\pm 1/16" \text{ or } \pm 1.57\text{mm}$ .

Autodesk (serial registered in the field of observations (Autocad) 001

Before Welding *305224* *325224*

After Welding *305224* *325224*

Project: Low Lineal Density Polyethylene (PEL) and Polypropylene (PP) for Project - ALBA Project

ISO METRIC NO. 4274-SP-XH-DL-2121-CY40B01-4-IS01

SPooling REV NO. 01