

 Tecnimont S.p.A.	 REPSOL 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-310-000250_RFI3873_MOD-ITP-XL_220	
		RFI Nr.: _____	Date : _____
Unit - _____			
Plant Area - _____			
Isometric Number _____			
Inspection Package Number IP-WSR-P-310-000250_RFI3873 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2121-VRG41B10-1-SP01;2121-CT49A09-1-SP02;2121-CT49A09-1-SP03;1121-P40030-4-SP08;2121-CT49A09-1-SP01;2121-CYG40B12-1-SP02;1121-P40030-4-SP07;2121-CYG40B01-3-SP03;2121-CYG40B01-3-SP04;2121-CYG40B12-1-SP01;2121-CYG40C05-12-SP09;2121-CYG40B02-3-SP04;2121-CYG40B19-7-SP13;2121-CYG40B17-1-SP01;2121-CYG40B17-1-SP12;2121-CYG40B19-6-SP11;2121-CYG40B19-6-SP12;1121-P23021-2-SP03;1121-P23021-2-SP04;2121-CYG40B17-1-SP02

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)

Ios Dragos Andrei
06.08.2024.
On behalf of TCM


NoBo 1155

06/08/2024

2024/08/06 HADIANU
06/08/2024
04 DRILLING 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 Product
SUBCONTRACTOR	Date [DD-MMM-YYYY]	Name		Signature 	
CONTRACTOR					
COMPANY					
(Free)					

ISO Summary List

22635 / 6203
Page 1

Client TECNIMONT/REPSOL

Local Portugal

Job # 22635

Project 4274 ALBA-1007 Piping Fabrication

ISO # 2121-VRG41B10-1
Piping Size/Class 4-1E64

Revision 00
PED Category II

Priority 2B
Assessment/Inspection/Results

Spool	Weld#	Joint	BW	Product Description	Seq. N.	Heat #	M.Certificate	FM-Dos	WPS	WeldDate/Stamp	VT	NDT-PT/MT	NDT-RT/UT	NDT-PM/HT	NDT-FT	Extension 1 Extension 2	
03 01	S01	BW	4x4"	WN FLANGE ASME B16.5 300# A105N RF	CERT. TON/2408426 ✓	BLD-25-1655-005	17/Varela	MW-20_BW	05/06/2024 BRC-M-113	S71	RT-RT-0738 ✓	RT-RT-0738 ✓	HT-HT-M-069-A				
04 01	S02	OL	4"	PIPE - A106-B BE-SMLS	CERT. TON/2408426 ✓	ER779	17/Varela	MW-20_SBR	04/06/2024 VT-M-0118	S71			HT-HT-M-069-A				
05 01	S05	BW	4x.75"	REDUCING WELDOLET MSS SP-97 A105	CERT. TON/H2009465XX ✓	2023-03-225-526	17/Varela	MW-20_BW	04/06/2024 BRC-M-113	S71	MT-MI-085-A	RT-RT-0738 ✓	HT-HT-M-069-A				
06 01	S06	BW	4"	PIPE - A106-B BE-SMLS	CERT. TON/2408426 ✓	ER779	17/Varela	MW-20_BW	04/06/2024 BRC-M-113	S71			HT-HT-M-069-A				
				4" 90 LR ELBOW ASME B16.9 A234 WPB BE S	341	17357 ✓	CE2000/203.3.1.01	MW-20_BW	04/06/2024 BRC-M-113	S71			RT-RT-01102	HT-HT-M-069-A			
				4x4" WN FLANGE ASME B16.5 300# A105N RF			CE2000/203.3.1.01										

Notes

BW-Butt Weld; FWM-Fillet Weld; LW-Lap Weld; SW-Socket Weld; TW-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

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<small>Engineering Solutions</small> | ISO ID: 2121 - VRG41B10 - 1 | | | |

Ion Dragos Andre
05.08.2024
On behalf of TCH

NOTES AND REMARKS

SEGMENTED) ADDRESS
05/08 124'2" ~~1~~
ON PRECIPICE OF 70M

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

A small red and white logo consisting of two overlapping semi-circles.

N

FIELD WELD SYMBOL FOR ADJUSTMENT OF IN-LINE COMPRESSOR WHILE MIGGING
 ALL DESIGNERS AND PROFESSIONALS THAT USE THIS SYMBOL SHOULD BE SPONSORED BY THE INSTITUTE OF IN-LINE COMPRESSOR TECHNOLOGY AS IT IS THE ONLY AUTHORITY TO APPROVE THE USE OF THIS SYMBOL

The document is determined by property, and cannot be used for any purpose without prior written consent.

For more information about the study, please contact Dr. John Smith at (555) 123-4567 or via email at john.smith@researchinstitute.org.

This technical drawing illustrates a bridge structure with the following key features and dimensions:

- Span Lengths:** The main span is labeled 196, and the side spans are labeled 307.
- Support Points:** Points 1, 2, 3, 4, 5, and 6 are marked along the structure.
- Vertical Components:**
 - Point 1: Includes a vertical column labeled "KRAPE1" and "FO3".
 - Point 2: Includes a vertical column labeled "INSUL CG - THK 40" and "INSUL CG - THK 50".
 - Point 3: Includes a vertical column labeled "4X34/NS".
 - Point 4: Includes a vertical column labeled "FD4".
 - Point 5: Includes a vertical column labeled "S01".
 - Point 6: Includes a vertical column labeled "S02".
- Diagonal Members:**
 - Point 1: A diagonal member labeled "1.1" connects the main structure to a vertical column.
 - Point 2: A diagonal member labeled "79" connects the main structure to a vertical column.
 - Point 3: A diagonal member labeled "3.1" connects the main structure to a vertical column.
- Annotations:**
 - "S" is located at the bottom left.
 - A note at the top left indicates "M. d. f. = 2.1".
 - A note at the bottom left indicates "M. d. f. = 2.1".
 - A note at the bottom right indicates "47 NS".

Diagram illustrating a spindle assembly with the following part numbers and labels:

- SPINDLE: 41.7.1
- CONT. ON: 2121-LVRGA
- SPEC: E 139231.1
- N 111395/6
- EL +2.765mm
- MATL 1E24
- MATL 1E64

2

ion Dragos Andrei
05.08.2024.
On behalf of TCH

ion Dragos Andrei
05.08.2024.
On behalf of TCH

BILL OF MATERIALS

10

FABRICATION MATERIALS					
ITEM NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE, A106-B BE SMLS TO AC031002 S-STD - EELTINGS REDUCING WELDLESS MSS-SP-97 A105 BE - C350C4-AV01 S-STD SxS <WOLA305P016151116> -L-347	4	1117533	0.4 M	
2	<WOLA305P016151116> -L-347	4	19794347	1	
3	SOL ELBOW ASME B16.9 <234-WFB BE, SMLS C01DC04AV01 S-STD <POL300E34STD> -L-7955	4	1128655	1	
4	FLANGES WHTANGE ASME B16.30M A115M RIFLE BE 125-250 AARH FO-C454B WS-S-STD -<WPA30CR35-1STD> -L-239	4	14272446	2	

CUT LIST				WELD LIST				BOLT LIST			
PIECE NO	LENGTH (MM)	SIZE (IN)	WELD CAT.	WELD NO	WELD	SIZE (IN)	WELD TYPE	BOLT NO	FLANGE SIZE (IN)	SIZE (IN)	LENGTH (MM)
<1>	97	3"		S01	S	4"	BW	B101	3""	5""	80
<2>	90	4"		S02	S	3""	OL	B102	3""	5""	80
F03				F03	F	3""	BW	B303	4"	3""	115
F04				F04	F	3""	BW				
S05				S05	S	4"	BW				
S06				S06	S	4"	BW				

PIPE INS (IN)				INCH METER			
4	0.75			4	1.2		

ISOMETRIC NO. 4274-SP-XH-DL-2121-VRG4(B10-1-JS00)
SPOOLING REV NO. 00

SHEET NO. 1 OF 1

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

MECWIDE	Prcess No.: PCL 23685
Dimensions:	Tg Proc. No.: Tg 25-03-2023 Rev. 00
Before Welding	Signature: <i>[Signature]</i>
After Welding	3/6/24 <i>[Signature]</i>
Assistance required in the field? Anticipated duration in the field? Number of observations (Attachment On)	
AL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PROJECT - ALBA PROJECT	