

 Tecnimont S.p.A.	 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-310-000026_RFI671_MOD-ITP-XL_220	
		RFI Nr.: 671	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000026_RFI671 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:


2121-VZ40P01-3-SP01;2121-VG40Z03-2-SP01-ZZ;2121-VG40P14-1-SP03;2121-VG40P14-1-SP02;2121-VG40P14-1-SP01;2121-VA49A07-1-SP01;2121-VA40Y02-1-SP02;2121-VA40Y02-1-SP01;2121-VA40U10-2-SP02;2121-VA40U10-1-SP01;2121-VA40U02-2-SP03;2121-VA40U02-2-SP02;2121-VA40U02-1-SP01;2121-MOD40Z24-1-SP01;2121-LPN91S10-1-SP04;2121-LPN91S10-1-SP03;2121-LPN91S10-1-SP02;2121-LPN91S10-1-SP01;2121-CWS91J51-2-SP03;2121-CWS91J51-2-SP02;2121-CWR40B12-2-SP04;2121-CWR40B12-2-SP03;2121-CWR40B12-2-SP02;2121-CWR40B12-1-SP01;2121-CWR40B06-2-SP01;2121-CWR40B06-1-SP03;2121-CWR40B06-1-SP02-ZZ;2121-CWR40B04-1-SP04;2121-CWR40B04-1-SP03;2121-CWR40B04-1-SP02;2121-CWR40B04-1-SP01;2121-CWR40B01-1-SP02;2121-CWR40B01-1-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"


 L. Gomes
 NWI
 18/12/2023

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	18/12/2023	Patricia Texeira	Patricia Texeira		
CONTRACTOR	18/12/2023	João Paulo Pinto	João Paulo Pinto		
COMPANY					
(Free)					


 PIPING SUBC TEN

ISO Summary List

22635 / 1627

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-CWR40B01-1**

Revision **01**

Priority **6**

Piping Size/Class **3-B-1**

PED Category **Art 4.3**

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	S11	BW	3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓	228 17	215148 ✓ 23211709 ✓	CE23002054_3.1.01 ✓ 23602081 ✓	16:Vareta PVX2911394	MW.20_BW	10/11/2023 S281	VT-I-068							
03	S10	BW	3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓	228 17	215148 ✓ 23211709 ✓	CE23002054_3.1.01 ✓ 23602081 ✓	16:Vareta PVX2911394	MW.20_BW	10/11/2023 S281	VT-I-068							
06	S08	OL	3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓ 3x.75" REDUCING SOCKOLET MSS SP-97 3000 ✓	228 17 425	215148 ✓ 23211709 ✓ 244301 ✓	CE23002054_3.1.01 ✓ 23602081 ✓ CE2022/1596 ✓	16:Vareta PVX2911394	MW.20_SBR	10/11/2023 S281	VT-I-068							
08	S06	BW	3" PIPE - A106-B BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	17 228	23211709 ✓ 215148 ✓	23602081 ✓ CE23002054_3.1.01 ✓	16:Vareta PVX2911394	MW.20_BW	10/11/2023 S281	VT-I-068	MT: MT-I-036-A						
08	S05	BW	3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓	228 17	215148 ✓ 23211709 ✓	CE23002054_3.1.01 ✓ 23602081 ✓	16:Vareta PVX2911394	MW.20_BW	10/11/2023 S281	VT-I-068							
10	S04	BW	3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓	228 17	215148 ✓ 23211709 ✓	CE23002054_3.1.01 ✓ 23602081 ✓	16:Vareta PVX2911394	MW.20_BW	10/11/2023 S281	VT-I-068							
12	S03	BW	3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓	228 17	215148 ✓ 23211709 ✓	CE23002054_3.1.01 ✓ 23602081 ✓	16:Vareta PVX2911394	MW.20_BW	10/11/2023 S281	VT-I-068							
13	S02	BW	3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓	228 17	215148 ✓ 23211709 ✓	CE23002054_3.1.01 ✓ 23602081 ✓	16:Vareta PVX2911394	MW.20_BW	10/11/2023 S281	VT-I-068							
14	S01	BW	3x3" WN FLANGE ASME B16.5 150# A105N RF ✓ 3" PIPE - A106-B BE SMLS ✓	228 36 17	215148 ✓ 043A22 ✓ 23211709 ✓	CE23002054_3.1.01 ✓ 224878 ✓ 23602081 ✓	16:Vareta PVX2911394	MW.20_BW	10/11/2023 S281	VT-I-068							

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: *Patricia Texeira*

Date: *18/12/2023*

Sign: *Patricia Texeira*



APPROVED by Client

Name: **TECNIMONT**

Date: *L. Gomes*

Sign: *NWI*

18/12/2023

APPROVED by 3rd party or AI

Name:

Date:

Sign:



						LINE DATA							
						FLUID CODE: CWR			LINE NO. 3"-CWR-40B01-B-1 (P)				
						PIPING	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.		
01	01-09-2023	ISSUED FOR CONSTRUCTION			TG	MW	TM	MATERIAL CLASS					
REV	DATE	REVISION DESCRIPTION			DRAWN UP	CHKD UP	APP'D	B-1	P / 50	E	N	1	19-A-19-000-1-01-00001 sheet 30

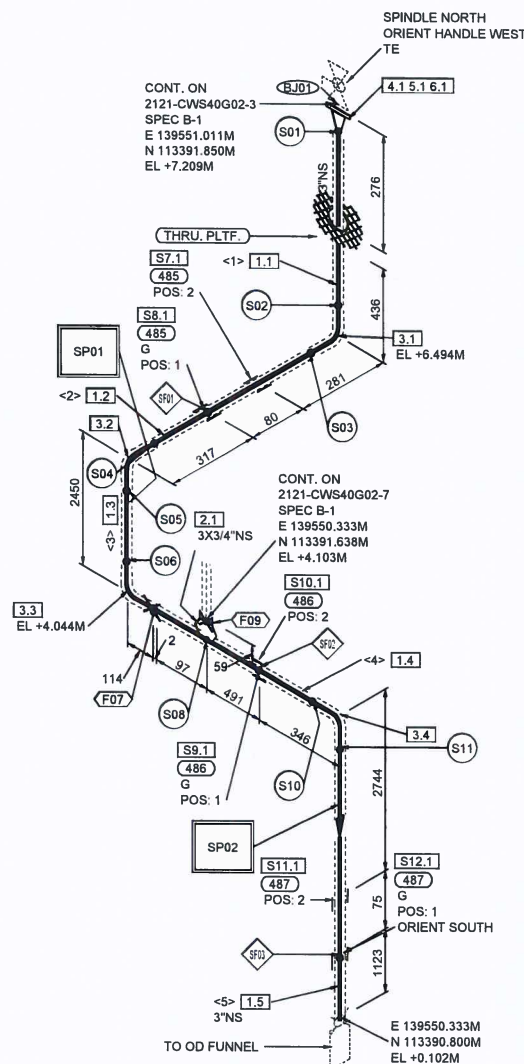
Tecnimont		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		Job	ETC	Area	N
				4274	XHDL	2121	CWR40B01
				UNIT	19	SHEET	1
				REV 01			
REFERENCE: P&ID ASSEMBLY DRAWING 19-A-19-000-1-00-00199 sheet 1		PIPING SUPPORT SPECIFICATION XH-SG-00000002		PIPING STANDARD SUPPORT SUMMARY XH-LP-00000001			
PIPING ISOMETRIC LIST XH-LD-21210001		PIPING TYPICAL INSTALLATIONS XH-SL-00000002		WELDING SPECIFICATION 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 <PIPA010B13STD> (L-7806)	3	1117921	7.9 M			
2	FITTINGS REDUCING SOCKLETS MSS-SP-97 3000# A105N BE SWE - R13DN24V101 NREGD <SOKA300LB01511> (L-343)	3X3/4	11651368	1			
3	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955)	3	1128599	4			
4	FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R153STD> (L-149)	3	14217820	1			

ERECTION MATERIALS							
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD		
5	GASKETS FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ009R1FC3> (L-NMG11)	3	11169032	1			
6	BOLTS STUD BOLTS/NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE 1010B0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length	5/8	153437440	4			
7	SUPPORTS VERTICAL STAKES WELDED TO STR. ST42 L80X80X10	3	485	1			
8	WELDED GUIDE-C1G1 H = 100 L = 300	3	485	1			
9	WELDED GUIDE-C1G1 H = 100 L = 300	3	486	1			
10	WELDED BRACKET TO STRUCT. SB02 L100X100X10	3	486	1			
11	STAKES SUPPORTS ST10 L80X80X10	3	487	1			
12	WELDED GUIDE-C1G2 H = 100 L = 300	3	487	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)
<1>	524	3"	S01	S	3"	BW	BJ01	3"
<2>	445	3"	S02	S	3"	BW		
<3>	2218	3"	S03	S	3"	BW		
<4>	946 916	3"	SF01	F	3"	FT		
<5>	3827	3"	S04	S	3"	BW		
			S05	S	3"	BW		
			S06	S	3"	BW		
			F07	F	3"	OL		
			S08	S	3/4"	SW		
			F09	F	3/4"	FT		
			SF02	S	3"	BW		
			S10	S	3"	BW		
			S11	S	3"	BW		
			SF03	F	3"	FT		
INCH METER								
PIPE NS (IN)						CL LENGTH (M)		
3						9.5		
ISOMETRIC NO. 4274-SP-XH-DL-2121-CWR40B01-1-IS01						SPOOLING REV NO. 01		



João Paulo
Piping Sup. Team
João Paulo 18/12/2023



MECOWIDE		Prep: TG	PROC. NR: PCL 22635
Status: IPC		Date: 01-09-2023	Rev: 01
Dimensional:		Signature:	
Before Welding		After Welding	
* Assinalate deviation in the drawings (*"n" or "-n")		Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)	

AUTHORISED FOR CONSTRUCTION

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

JOINT TYPE	WELD TYPE OF JOINT	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	B	LET	LET	BOB	B	
PW	B	SB	B	LP	RP	SCF	B	
LA	RF	GLW	B	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