

 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-310-000030_RFI727 MOD-ITP-XL_220	
		RFI Nr.: 727	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000030_RFI727 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:


2121-VG40P10-3-SP05;2121-VG40P10-3-SP04;2121-VG40P10-3-SP03;2121-VG40P10-2-SP02;2121-VG40P10-1-SP01;2121-VG40P02-2-SP05;2121-VG40P02-2-SP04;2121-VG40P02-2-SP03;2121-VG40P02-2-SP02;2121-VG40P02-2-SP01;2121-HCM40C01-1-SP02;2121-HCM40C01-1-SP01;2121-ET40J11-1-SP01;2121-ET40F04-7-SP16;2121-ET40F04-7-SP15;2121-ET40F04-5-SP10;2121-ET40F04-5-SP09;2121-ET40F04-3-SP04;2121-ET40F04-10-SP12;2121-ET40F04-10-SP11;2121-ET40A07-5-SP09;2121-ET40A07-5-SP08;2121-ET40A07-3-SP06;2121-ET40A07-2-SP05;2121-CWS40G02-5-SP05;2121-CWS40G02-5-SP04;2121-CWS40G02-1-SP06;2121-CWR40B02-7-SP05;2121-CWR40B02-7-SP04

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
 04/01/2024


 NoBo 1155
 reviewed by
 witnessed by
 04/01/2024

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	04/01/2024	Patricia Teixeira	Patricia Teixeira		
CONTRACTOR	04/01/2024	JOAQUIM PINTO	João Pinto		
COMPANY					
(Free)					



QC PIPING. SUP. TEM

ISO Summary List

22635 / 1332

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-CWR40B02-7**

Revision **00**

Priority **6**

Piping Size/Class **24-B-1**

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
02	04	S19	BW 24x18" ECCENTRIC REDUCER ASME B16.9 A23 18" PIPE - A106-B BE SMLS	278 654	990098 1106584	CE23006971_3.1_01 G2305003-06	1:Eletrodo - SBX0812275 16:Vareta - PVX2911394	MW.21_BW	08/11/2023 S08	VT-I-066							
03	04	S20	BW 18" PIPE - A106-B BE SMLS 18x18" WN FLANGE ASME B16.5 150# A105N	654 37	1106584 31AV0	G2305003-06 224997	1:Eletrodo - SBX0812275 16:Vareta - PVX2911394	MW.21_BW	08/11/2023 S08	VT-I-066							
04	05	S21	BW 18x18" WN FLANGE ASME B16.5 150# A105N 18" PIPE - A106-B BE SMLS	37 654	31AV0 1106584	224997 G2305003-06	1:Eletrodo - SBX0812275 16:Vareta - PVX2911394	MW.21_BW	08/11/2023 S260	VT-I-066							
05	05	S22	BW 18" PIPE - A106-B BE SMLS 24x18" ECCENTRIC REDUCER ASME B16.9 A23	654 278	1106584 990098	G2305003-06 CE23006971_3.1_01	1:Eletrodo - SBX0812275 16:Vareta - PVX2911394	MW.21_BW	08/11/2023 S260	VT-I-066							
06	05	S23	BW 24x18" ECCENTRIC REDUCER ASME B16.9 A23 24" PIPE - A106-B BE SMLS	278 653	990098 03B00195Y	CE23006971_3.1_01 G2305003-05	1:Eletrodo - SBX0812275 16:Vareta - PVX2911394	MW.20_BW	09/11/2023 S260	VT-I-067							

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 Teixeira*

Date: *04/01/2024*

Sign: *Patricia Teixeira*
APPROVED by Client

Name: *TECNIMONT*

Date: *Gomes*

Sign: *NWI*
APPROVED by 3rd party or AI

Name: *João Moreira*

Date: *09/01/2024*

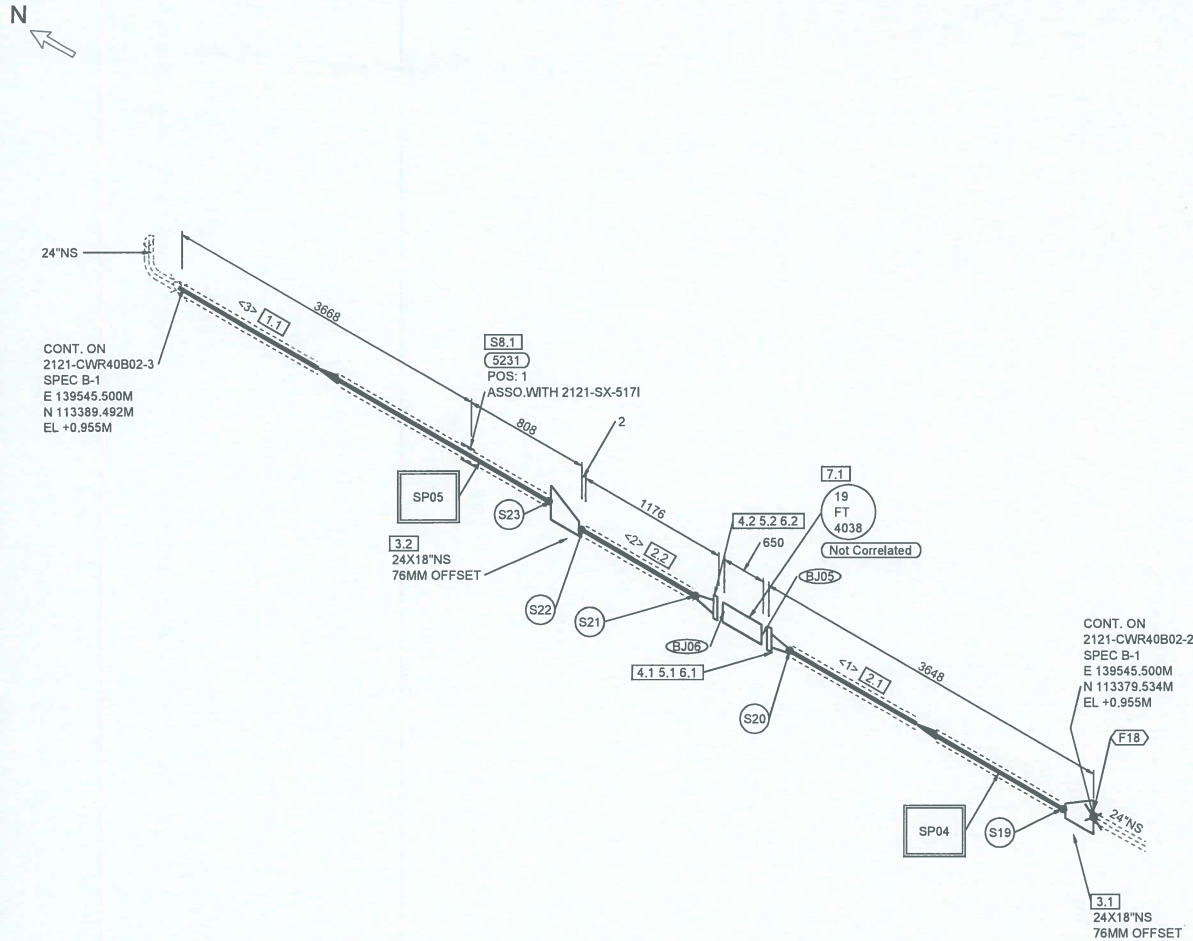
Sign: *SGS*

NoBo 1155 ☒ reviewed by ☐ witnessed by

ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION FOR THE COMPONENT MARKED AS FIELD WELDED ONE WELDED FOR ADJUSTMENT OF IN-LINE COMPONENT MUST BE LEFT FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE MARKED FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-SG-0000000004

REPSOL		LINE DATA									
		FLUID CODE: CWR					LINE NO. 24"-CWR-40B02-B-1 (P)				
		PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.				
00	23-08-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM						
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D		19-A-19-000-1-01-00001 sheet 37				

Technimont		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		Job	ETC	Ata	N
				4274	XHDL	2121	CWR40B02
				UNIT	19	SHEET	7 REV 00
PIPING ASSEMBLY DRAWING		ETC	N	PIPING SUPPORT SPECIFICATION		ETC	N
PIPING ISOMETRIC LIST		ETC	N	PIPING TYPICAL INSTALLATIONS		ETC	N
		XH-LD-21210001				XH-SL-00000002	
				WELDING SPECIFICATION		ETC	N
						XH-SW-00000001	




João Paulo Pinto
PIPING SUP. TEM
João Paulo Pinto 04/01/2024



AUTHORISED FOR CONSTRUCTION

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

LEGENDA		JOINT TYPE	ISBEL TYPE OF JOINT	ISBEL TYPE OF JOINT	JOINT TYPE	ISBEL TYPE OF JOINT	ISBEL TYPE OF JOINT	ISBEL TYPE OF JOINT
GW	G	SW	B	LET	LEFT	SCB	B	
PW	S	SB	B	LP	RP	SCF	B	
LA	RP	SLW	B	MTW	M	THD	TH	

 MECOWIDE <small>ENGINEERING CHALLENGES</small>	Prep.: TG	PROC. NR: PCL 22635
	Status: IFC	Date: 23-08-2023 Rev: 00
Dimensional:	Signature:	
Before Welding	04/01/2023	
After Welding	04/01/2023	
* Assinature deviation in the drawings ("+" or "-")		
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)		

BILL OF MATERIALS										
FABRICATION MATERIALS										
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD					
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B124STD> (L-7806)	24	I117907	4.0 M						
2	PIPE - A106-B BE SMLS T01AC03V02 S-20 <PIPA010B11820> (L-8210)	18	I117849	4.1 M						
3	FITTINGS ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22DC04V01 S-STD S-20 <ERE200F326152310> (L-8276)	24X18	I425582	2						
4	FLANGES WN FLANGE ASME B16.5 150# A105N RFBE BE 125 - 250 AARH F01CDC44BV05 S-20 <WNFA300R151820> (L-149)	18	I818482	2						
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 <NMGQ009R1FC18> (L-NMG11)	18	I1169041	2						
6	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G11/853/4> - 2 NUTS PER BOLT - 150 mm Length	1.1/8	I53438059	32						
7	INSTRUMENTS INSTRUMENT COMPONENT 19FT4038	18		1						
8	SUPPORTS RESTING SHOE WELDED <C4A1 H = 150 L = 300	24	5231	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>	2996	18"	F18	F	24"	BW	BJ05	18"	1.1/8"	150
<2>	1034	18"	S19	S	18"	BW	BJ06	18"	1.1/8"	150
<3>	3666	24"	S20	S	18"	BW				
	4166		S21	S	18"	BW				
			S22	S	18"	BW				
			S23	S	24"	BW				
							INCH METER			
							PIPE NS (IN)		CL LENGTH (M)	
							24		4.6	
							18		5.4	
ISOMETRIC NO. 4274-SP-XH-DL-2121-CWR40B02-7-IS00									SPOOLING REV NO. 00	