

 TECNIMONT Tecnimont S.p.A.	 REPSOL 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-310-000017_MOD-ITP-XL_220 RFI Nr.: 396 Date :	
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000017 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:


1211-CWS89032-1-SP04;1211-CWS89032-1-SP03;1211-FW68J01-4-SP08;1211-FW68J01-4-SP07;1211-VA40B02-2-SP04;1211-VA40B02-2-SP03;1211-VA40B02-1-SP02;1211-VA40B02-1-SP01;1211-MS91A01-1-SP13;1211-MS91A01-1-SP12;1211-MS91A01-1-SP11;1211-VG40N11-2-SP10;1211-VG40N11-2-SP09;1211-VG40N11-1-SP02;1211-VG40N11-1-SP01;1211-VA49A08-1-SP01;1211-VA49A05-3-SP05;1211-VA40Z10-1-SP01;1211-VA40Y02-3-SP07;1211-VA40Y02-3-SP06;1211-VA40Y02-2-SP05;1211-VA40Y02-2-SP04;1211-VA40Y02-2-SP03;1211-VA40U05-1-SP01;1211-VA40P04-1-SP01;1211-CWS64009-1-SP01;1211-PA89021-6-SP14;1211-PA89021-6-SP13;1211-N89001-6-SP12;1211-N00D01-1-SP01;1211-BDL43019-6-SP06;1211-BDL43019-6-SP05;1211-BDL43019-3-SP01;1211-BDL31031-3-SP05;1211-JWR64002-1-SP02;1211-JWR64002-1-SP01;1211-JWR40005-1-SP02;1211-JWR40005-1-SP01;1211-PN52015-2-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"


 JOAQUIM PINTO
 PIPING SUP.
 Joaquim Pinto

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	09-11-2023	Patricia Teixeira	Patricia Teixeira		
CONTRACTOR	09-11-2023	Luis Gomes			
COMPANY					
(Free)					


 Gomes
 R
 W

ISO Summary List

22635 / 1980

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VG40N11-1**

Revision **00**

Priority **6**

Piping Size/Class **3-1C17**

PED Category **I**
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
01	01	S02	BW 3x2" ECCENTRIC REDUCER ASME B16.9 A234-3" PIPE - A106-B BE SMLS	112	125881	CE23005082_3.1_01	5:Varela	MW.20_BW	02/10/2023	VT-I-038							
			3" PIPE - A106-B BE SMLS	17	23211709	23310546	PVX1312824		S71								
02	01	S03	OL 3" PIPE - A106-B BE SMLS	17	23211709	23310546	5:Varela	MW.20_SBR	29/09/2023	VT-I-037							
			3x.75" REDUCING SOCKOLET MSS SP-97 3000	425	244301	CE/2022/1596	PVX1312824		S71		MT: MT-I-015-A						
05	01	S05	BW 3" PIPE - A106-B BE SMLS	17	23211709	23310546	5:Varela	MW.20_BW	02/10/2023	VT-I-038		RT: RT-I-0179					
			3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	228	215148	CE23002054_3.1_01	PVX1312824		S71								
06	01	S06	BW 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	228	215148	CE23002054_3.1_01	5:Varela	MW.20_BW	02/10/2023	VT-I-038							
			3x3" WN FLANGE ASME B16.5 150# A105N RF	37	70HC22	224997	PVX1312824		S71								
07	02	S07	BW 3x3" WN FLANGE ASME B16.5 150# A105N RF	37	70HC22	224997	5:Varela	MW.20_BW	02/10/2023	VT-I-038							
			3" PIPE - A106-B BE SMLS	17	23211709	23310546	PVX1312824		S71								
08	01	S01	BW 2x2" WN FLANGE ASME B16.5 150# A105N RF	36	70HC22	224878	5:Varela	MW.20_BW	02/10/2023	VT-I-038							
			3x2" ECCENTRIC REDUCER ASME B16.9 A234-	112	125881	CE23005082_3.1_01	PVX1312824		S71								

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: 

Date: 04/11/23

Sign: 

APPROVED by Client

Name: 

Date: L.Gomes NWI R W

Sign: 

APPROVED by 3rd party or AI

Name:

Date:

Sign:



FLUID CODE: VG				LINE DATA			
				LINE NO. 3"-VG-40N11-1C17			
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D	PIPING MATERIAL CLASS	INSULATION
00	11-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM	1C17	N / 0
						WELD CLASS	HEAT TREATMENT
						PAINTING CODE	P&ID No.
							19-A-19-000-1-01-00001 sheet 44

Tecnimont		PIPING ISOMETRIC		IDENTIFICATION CODE			
Job	ETC1	T	Area	N			
4274	XHDL	2121	VG40N11				
UNIT	19	SHEET	1	REV	00		
19-L-19-000-3-00-86196 sheet 5	19-L-19-000-3-00-86196 sheet 5	19-L-19-000-3-00-86196 sheet 5	19-L-19-000-3-00-86196 sheet 5	19-L-19-000-3-00-86196 sheet 5	19-L-19-000-3-00-86196 sheet 5	19-L-19-000-3-00-86196 sheet 5	19-L-19-000-3-00-86196 sheet 5
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 - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13TD> (L-7806).	3	I117921	1.6 M	
2	ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22DC04V01 S-STD S-STD <ERE4200F315151415> (L-7959).	3X2	I128082	1	
3	REDUCING SOCKLE MSS-SP-97 3000W A105N BE SWE - R13DC44V101 NREQD <SOKA300LB01511> (L-343).	3X3/4	I1651368	1	
4	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955).	3	I128599	1	
5	WN FLANGE ASME B16.5 150W A105N RFFE BE 125 - 250 AARH F01DC44BV05 S-STD <WNFA300R153STD> (L-149).	3	I4217820	2	
6	WN FLANGE ASME B16.5 150W A105N RFFE BE 125 - 250 AARH F01DC44BV05 S-STD <WNFA300R152STD> (L-149).	2	I5359795	1	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
7	GASKETS				
8	SPIRAL WOUND GASKET ASME B16.20 150W RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP1S12 <N/A> (N/A)	3	I63508913	2	
9	SPIRAL WOUND GASKET ASME B16.20 150W RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP1S12 <N/A> (N/A)	2	I63508906	1	
10	BOLTS				
11	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE 1010B0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 85 mm Length	5/8	I53437429	4	
12	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	I53437440	8	
13	VALVES / IN-LINE ITEMS				
14	BALL VALVE API 608 150W A216-WCB RFFE 316R-PTFE GF B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL LE ASME B16.5 V04JDC28BTR NREQD <B43L-BA1434> (L-BA1434)	3	I8683141	1	
15	SUPPORTS				
16	PIPING SUPPORT - BEAMS- BE03 HEA140	3	113	1	
17	STAKES SUPPORTS ST05 HEA120	3	113	1	
18	GUIDE AND STOP HORIZ VERT SUPPORT-N1B1	3	113	1	
19	WELDED EXTENSIONS-EW05 DN2 = 2 L = 350	3	103	1	
20	WELDED BRACKET TO STRUCT. SB01 L100X100X10	3	103	1	
21	STOP HORIZ VERT FOR NOT INS. PIPING-N1F1	2	103	1	

CUT LIST

PIECE NO	LENGTH (MM)	SIZE (IN)
<1>	607	3"
<2>	932	3"

WELD LIST

WELD NO	WELD CAT.	SIZE (IN)	WELD TYPE
S01	S	2"	BW
S02	S	3"	BW
S03	S	3/4"	OL
F04	F	3/4"	SW
SF01	F	3"	FT
S05	S	3"	BW
S06	S	3"	BW
S07	S	3"	BW
SF02	F	2"	FT

BOLT LIST

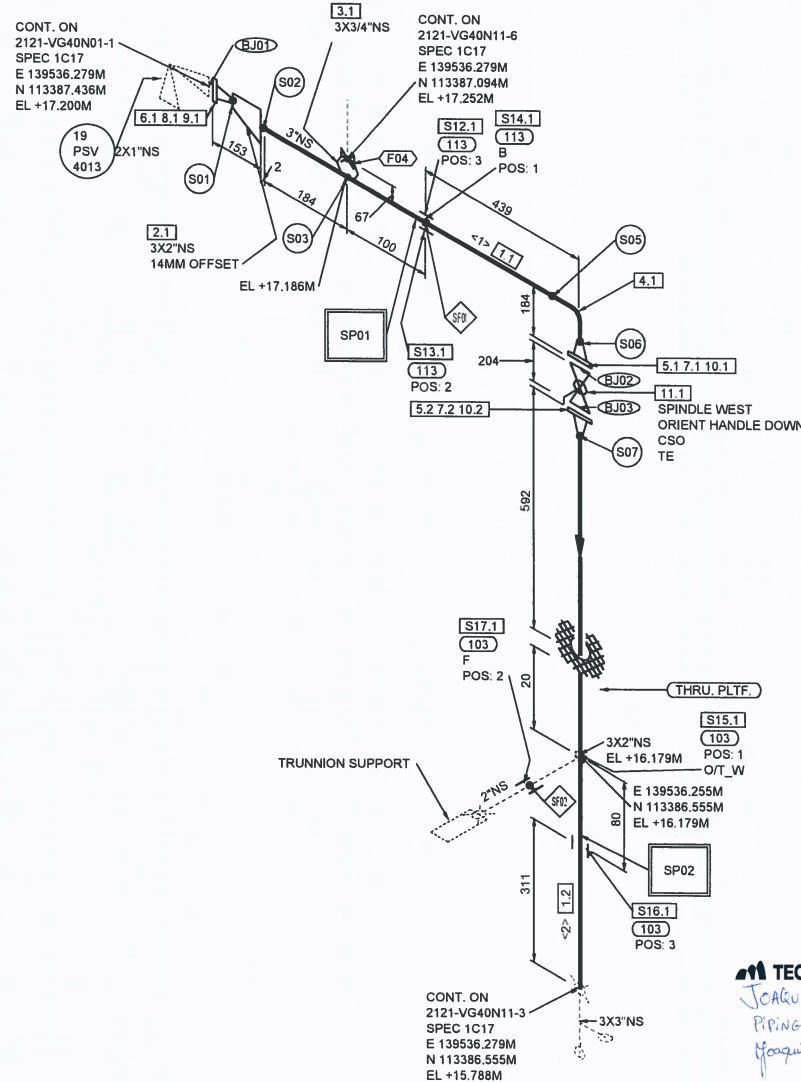
BOLT NO	FLANGE SIZE(IN)	SIZE (IN)	LENGTH (MM)
BJ01	2"	5/8"	85
BJ02	3"	5/8"	90
BJ03	3"	5/8"	90

INCH METER

PIPE NS (IN)	CL LENGTH (M)
3	3.7
2	0.2

ISOMETRIC NO. 4274-SP-XH-DL-2121-VG40N11-1-IS00

SPOOLING REV NO. 00



TECNIMONT
 JOAQUIM PINTO
 PIPING SUP.
 Joaquim Pinto
AS BUILT

AUTHORISED FOR CONSTRUCTION

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

LEGENDS

JOINT TYPE	WELD TYPE OF JOINT	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	B	LET	LET	BOB	B		
FW	B	BB	B	LF	RF	BOF	B		
LA	RF	BLW	B	MTW	M	THD	TH		

M	MECWISE	Prep:	TG	PROC. NR.	PCL 22635
		Status:	IFC	Date:	11-09-2023
		Signature:			
		Before Welding:	28/09/2023		
		After Welding:	21/07/2023		
		* Assemblage deviation in the drawings (*"D" or "n")			
		Autocontrol (visually) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)			

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