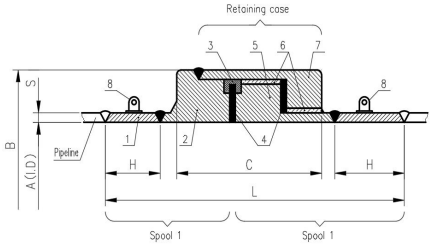


**EPC for Onshore Processing Facilities and Associated Onshore
Pipelines for Aung Sinkha Development Project (ASK) Phase 1A**

DATASHEET FOR MONOLITHIC INSULATION JOINT

		刘枫	廖 强		吕忠雷	刘萍萍								
A1	14-Jul-26	LF	TQ	Issued for Review	LZL	LPP								
REV	DATE	MEC	PLR	DESCRIPTION	CHECK	APPR.	CHECK	APPR.						
		BY			ENGINEERING APPROVAL		COMPANY APPROVAL							
REVISION CODE: A = Issued for Review – B = Issued for Approval – C = Approved for Construction														
TOTAL OR PARTIAL AND / OR UTILIZATION OF THIS DOCUMENT ARE FORBIDDEN WITHOUT PRIOR WRITTEN AUTHORIZATION OF THE OWNER														
 PTTEP		PTTEP INTERNATIONAL LIMITED						 中国电工 CNEC  GPECO						
		EPC for Onshore Processing Facilities and Associated Onshore Pipelines for Aung Sinkha Development Project (ASK) Phase 1A												
		MM-ASK-1A-APL02-PLR-DTS-0004				REV A1								

情况说明：MIJ-58000即MM-ASK-1A-ACP-PRO-PID-0001里面的MIJ-56000;新的PID图纸还没有。

 		DATA SHEET		EQUIPMENT TITLE: MONOLITHIC INSULATION JOINT			
DOCUMENT NUMBER: MM-ASK-1A-APL02-PLR-DTS-0004		EQUIPMENT NO : MIJ-40000/MIJ-58000		QUANTITY: 2			
CLIENT : PTTEP INTERNATIONAL LIMITED		REVISION: A1		PAGE: 2 of 2			
PROJECT : EPC for Onshore Processing Facilities and Associated Onshore Pipelines for Aung Sinkha Development Project (ASK) Phase 1A							
2	Description		8" Insulating Joint		Quantity		
3	Item Number		MIJ-40000/MIJ-58000		2		
4			Sketch: The insulating joints shall be monolithic type. This sketch is applicable as the reference one. It is permissible to apply other structure types, which should meet the requirements for strength, seal tightness and insulation, but must be submitted to COMPANY for approval.				
5			1. pup piece				
6			2. left male flange				
7			3. O-type or U-type sealing part				
8			4. insulating ring				
9			5. right male flange				
10			6. insulating packing				
11			7. fixed sleeve				
12			8. connecting lugs				
13							
14							
15	Connecting Line Pipe Data						
16	Connecting Line Pipe Reference Specification	10008-STD-6-PLR-005	Transmission Medium		Condensate		
17	Connecting Pipeline Material	API 5L PSL 2 X65	Connecting Pipeline Dimension ODxWT,mm		OD219.1x7.04		
18	Pipeline Pressure Class:	Class300	Piping Material Class:		APL02		
19	Design Parameters						
20	Design Code	ASME B 31.4 latest edition	Design Pressure, barg		48.7		
21		ASME VIII Div.1 Appendix 2 latest edition	Design Temperature, °C		0~70		
22		MM-ASK-1A-APF-COR-SPE-0008	Hydrotest Pressure, barg		60.88		
23	Design Factor(F)	0.72	Corrosion Allowance,mm		3		
24	Beveled Ends	ASME B 16.25 Buttwelding Ends	Installation Type		Above Ground		
25	Structural Parameters						
26	A(mm)	S(mm)	B(mm)	C(mm)	H(mm)	L(mm)	single weight(kg)
27	205.02	7.04	VTA	VTA	VTA	VTA	VTA
28	Lighting protection spark gap accessories	Nominal discharge current: In(8/20µs): 100 kA; lightning shock current: Iimp(10/350µs): 50kA; response time: 25ns. Degree of protection: IP56, Zone 2, Group II A, T3, Min. supply with installation					
29	No.	Item	Material (Note 9)				
30	1	Pup Piece	API 5L X65 PSL2 (Note7)				
31	2	Left Male Flange	ASTM A694 F65				
32	3	Sealing Gasket	Fluoro-rubber (Shore hardness 70) (accordance with ASTM D-2000) (VTC)				
33	4	Insulating Ring	Fiber glass epoxy (in accordance with ASTM D-709 Type IV G-11) (VTC)				
34	5	Right Male Flange	ASTM A694 F65				
35	6	Insulating Packing	Fiber glass epoxy (in accordance with ASTM D-709 Type IV G-11) (VTC)				
36	7	Fixed Sleeve	ASTM A694 F65				
37	8	External Coating	As per 10008-STD-6-COR-011				
38	9	Internal coating	System S102 as per 10008-STD-6-COR-004				
39	10	Adhesion Sealant	Silicone rubber (VTC)				
40	Notes						
41	1. Monolithic Insulation Joints shall be designed, manufactured, inspected and tested as per MM-ASK-1A-APF-COR-SPE-0008 "Specification for Insulating Flange Kits and Monolithic Isolation Joint" and 10008-STD-6-COR-033 "Insulating Joints".						
42	2. All monolithic insulating joints body should be fabricated by forging Material. Material certification EN10204 Type 3.2 shall be provided. Material traceability shall be in accordance with 10008-STD-6-GEN-007 "Material Traceability".						
43	3. Hydrostatic test pressure is 1.25 times design pressure. After the hydrostatic test, a dynamic test and static test shall be carried out as per 10008-STD-6-COR-033 "Insulating Joints".						
44	4. Gas leak test shall be carried out and the test pressure is design pressure.						
45	5. Welding and NDT procedure shall be submitted to CONTRACTOR/COMPANY for review and approval.						
46	6. The spark gap shall be installed by bolt and nut through the connection lug. The connection lug for the spark gap shall be installed at each end of the isolation joint in the factory. The size of connection lug shall be 50mmx50mm with 10mm hole. The material shall be same as pup piece.						
47	7. VENDOR shall consider the length of pup piece to ensure that the internal structure of the isolation joint is not damaged during welding. The length of each pup piece shall be no less than 300mm when the outside diameter (OD) of pipe is less than 300mm. The length of each nipple shall be no less than OD of pipe when the OD is no less than 300mm. The vendor shall guarantee the total length of isolation joint to meet the requirements of service condition.						
48	8. External coating & internal coating shall be as per 10008-STD-6-COR-011 "Painting of Onshore Structures and Facilities for Construction and Maintenance Works" and 10008-STD-6-COR-004 "Internal Coating of Pressure Vessels and Tanks".						
49	9. VENDOR shall ensure and confirm that all non-metallic materials being used are suitable & compatible for the process and design conditions.						
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