

 N.I.S.O.C		Binak Project COMMENT REPLY SHEET			 PETROBRAS Development Company PEDCO  HIRGAN  TGS		
Document No: BK-GCS-PEDCO-120-ME-DT-0022_D05				EPC Contractor Tr. No.: BK-HD-PEDCO-T-1375		Transmittal Date: 04/Dec/2022	
Document Title: Mechanical Data Sheets For Closed Drain Pumps				PEDCO Tr. No.: BK-PEDCO-NISOC-0106-TR-1375		Transmittal Date: 04/Dec/2022	
				CRS No: PEDCO-CRS-BK-GCS-PEDCO-120-ME-DT-0022_D04		CRS Status:	
	Comments (NISOC/PEDCO)	Email/letter No.	Comment Date	Clarification (By EPC Contractor)	Client Conclusion		
1	please specify the max values for Density and viscosity.	BK-SUR-ENG-MEC-01-05690	14-Sep-22	Noted			
2	NSS limitation shall be considered 213	BK-SUR-ENG-MEC-01-05690	14-Sep-22	Not accepted, this requirement has not been mentioned in project specification and related standards. This requirement will be checked and finalized at vendor's offer stage.			
3	Insulation/ temp rise to be mentioned: F/B coupling to be balanced at least G2.5	BK-SUR-ENG-MEC-01-05690	14-Sep-22	1. Noted 2. Not accepted, this requirement has not been mentioned in project specification. As per clause 7.2.3 of API 610 and table1 of ISO 1940-1 standard, Grade G6.3 is sufficient.			
4	Test shall be in compliance with 8.3.3.2 & 8.3.3.3	BK-SUR-ENG-MEC-01-05690	14-Sep-22	Noted			
5	Hydrostatic for bowl (WIT) barrel and pump shall have the same MAWP and to be hydrotest in same value with pump	BK-SUR-ENG-MEC-01-05690	14-Sep-22	1. Noted 2. Noted, Will be added as note			
6	CONNECTION BOLTING (7.5.1.7) - shall be SS BEARING LIFE CALCULATIONS REQUIRED (6.10.1.6) to be mentioned YES OPERATION TO TRIP SPEED to be mentioned YES	BK-SUR-ENG-MEC-01-05690	14-Sep-22	1. Noted, Connecting bolting will be specified SS 2. Noted, Bearing life calculation required will be mentioned YES 3. Not applicable for this pump. because the pump is constant speed			
7	MAXIMUM DISCHARGE PRESSURE TO INCLUDE "YES" it has mentioned yes but the max density has not specified	BK-SUR-ENG-MEC-01-05690	14-Sep-22	Noted, maximum density will be specified in next revision			
8	PRESSURE GAUGE TYPE MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6): VENT /DRIAN SEPARTATE MOUNTING PLATE (9.3.8.3.1) PROVIDE SEPARATE SOLEPLATE (9.3.8.3.3) Above items to be mentioned YES	BK-SUR-ENG-MEC-01-05690	14-Sep-22	Noted (Please refer to attached pdf file for Hiran reply)			 ZAMECHANIC CTS4001 - Binak
Legend	Comment Sheet Status: (By Client)						
	C1: Reviewed with no comment (No Response required) C2: Reviewed with minor comment (work may proceed and comments to be addressed and incorporated prior to issue) C3: Reviewed with major comment (Revise and resubmit. Work may not be proceeded until the document is returned with code C1 & C2) C4: Rejected (Deviated from the project requirement. Resubmit for Review) C5: Issued for information (No Response required)						
Signature	CLIENT (NISOC/PEDCO)			EPC Contractor			
	Commented By:	Signature	H.naserizadeh	Clarified By: H. Adineh	Signature	M. Fakharian	
	Date:			Date: 3/MAY/2023			