



## Metering Process Data Sheet

Package No. TBN	Doc. No. (Wood internal) S1-AA-PDE-0219	Rev. 02S	Page <b>1 of 1</b>
--------------------	--	-------------	-----------------------

Tag No	: 21B-XUX1	P&ID No.:	S1-AA-PBP-2120-001
Location/Module	: P23		
Unit	: Oil metering package		
Size & Type	: TBN		

1	<b>Design Data</b>
---	--------------------

2	Fluids	:	Crude oil (export)		
3	Design Flowrate	m3/h:	67 / 1453 (min./max.)	Note 1	Corrosion/Erosion : H2S and sand particles
4	Design Pressure	barg:	49	Note 1	Material Specification : BD20X
5	Design Temperature	°C:	-8 / 106	Note 1	:

6					
---	--	--	--	--	--

7					
---	--	--	--	--	--

8	Case		Minimum capacity	Maximum capacity	
9	Mass Flowrate	kg/h	54 605	1 184 195	
10	Operation Pressure	barg	36.0	Note 4 35.4	Note 4
11	Operating Temperature	°C	55 - 57	Note 2, 5 55 - 57	Note 2, 5
12	Density at T & P	kg/m <sup>3</sup>	815	Note 2 815	Note 2
13	Viscosity at T & P	cP	2.2	Note 2 2.2	Note 2
14	Molecular Weight		182.8	Note 2 182.8	Note 2
15	Compressibility (Z)		NA	NA	
16	Isentropic Exponent	(Cp/Cv)	NA	NA	

19	<b>Notes:</b>				
20	1.) Process design data given in "Crude Oil and Gas Metering System and Fuel Gas System", doc. no.: S1-AA-JSX-0008, rev. 0 , 1990.				

21	2.) Process physical parameters are received from Company.				
22	3.) TVP (True Vapor Pressure) @25 C = 0.989 bara and RVP (Reid Vapor Pressure) @37.8 C = 0.758 bara.				

23	4.) Based on pressure drop calculations from oil pipeline pumps 21A-PA02A/B to 21B-XUX1.				
24	5.) Maintain temperature for heat-tracing is 59 °C. Insulation type and thickness will be concluded in execution phase - Class 1 with or without HT.				

25					
26					

27					
28					

29					
30					

31					
32					

33					
34					

35					
36					

37					
38					

39					
40					

41					
42					

43					
44					

45					
46					

02S	18.12.2025	IFI / WBS: M.O057C.24.A.0001	OYJO	LELY	JDJR	1
Rev	Date	Issue/Description	Prepared	Checked	Approved	Page