

CUSTOMER: CNOOC PETROLEUM BRASIL LTDA / CHINA OFFSHORE OIL (SINGAPORE) INT. PTE LTD PETROINSPEC REF: PIS003/24

VESSEL: DPST EAGLE PASSOS
VOYAGE: 01632 CPZ
PRODUCT: MERO CRUDE OIL

FPSO: SEPETIBA / SANTOS BASIN
CARGO REF: STB OC 001
DATE: April 05th to 06th, 2024

1.0. DPST: EAGLE PASSOS FIGURES

1.1. Total Quantity loaded by DPST **EAGLE PASSOS** (without VEF) as per ASTM 60A Table, with Density/API and S&W from FPSO In- Line Blend sample analysis, obtained at FPSO **SEPETIBA** Laboratory.

SUMMARY OF QUANTITIES BY TABLE ASTM 60 A

Measurements	Gross	Net
Liters (20°C)	78.091.099	77.934.918
Kilograms (Vac)	68.415.612	68.278.782
Metric Tons (Vac)	68.415,612	68.278,782
Kilograms (Air)	68.315.170	68.178.541
Metric Tons (Air)	68.315,170	68.178,541
Long Tons (Air)	67.236,236	67.101,765
US BBLs (60°F)	489.425,89	488.447,05
US GALLONS (60°F)	20.555.887,53	20.514.776,07
Cubic Meters (60°F)	77.812,452	77.656,829
Cubic Meters (20°C)	78.091,099	77.934,918
Liters (15°C)	77.778.261	77.622.706

1.2. Total Quantity loaded by DPST **EAGLE PASSOS** (Without VEF) as per ASTM 6A Table with Density/API and S&W from FPSO In- Line Blend sample analysis, obtained at FPSO **SEPETIBA** Laboratory.

SUMMARY OF QUANTITIES BY TABLE ASTM 6 A

Measurements	Gross	Net
US BBLs (60°F)	489.441,03	488.462,14
Kilograms (Vac)	68.407.800	68.270.980
Metric Tons (Vac)	68.407,800	68.270,980
Kilograms (Air)	68.324.730	68.188.080
Metric Tons (Air)	68.324,730	68.188,080
Long Tons (Air)	67.245,640	67.111,150
US GALLONS (60°F)	20.556.523,30	20.515.409,90
Cubic Meters (60°F)	77.814,859	77.659,228
Cubic Meters (20°C)	78.093,529	77.937,341
Liters (15°C)	77.780.682	77.625.119

1.3. Total Quantity loaded by DPST **EAGLE PASSOS** (without VEF) as per ASTM 54A Table, with Density/API and S&W from FPSO In- Line Blend sample analysis, obtained at FPSO **SEPETIBA** Laboratory.

SUMMARY OF QUANTITIES BY TABLE ASTM 54 A

Measurements	Gross	Net
Liters (15°C)	77.779.696	77.624.136
Kilograms (Vac)	68.399.465	68.262.665
Metric Tons (Vac)	68.399,465	68.262,665
Kilograms (Air)	68.316.430	68.179.797
Metric Tons (Air)	68.316,430	68.179,797
Long Tons (Air)	67.237,476	67.103,001
US BBLs (60°F)	489.434,92	488.456,05
US GALLONS (60°F)	20.556.266,60	20.515.154,10

2.0. FPSO ALMIRANTE SEPETIBA FIGURES

2.1. Total Quantity delivered by FPSO **SEPETIBA** as per ASTM 60A Table, obtained by FPSO's flowmeter measurements with Density/API and S&W from FPSO In-Line Blend sample analysis, obtained at FPSO **SEPETIBA** Laboratory.

SUMMARY OF QUANTITIES BY TABLE ASTM 60 A		
Measurements	Gross	Net
Liters (20°C)	Due the pull opertion on FPSO Sepetiba, it was not possible the chemist surveyor on board.	
Kilograms (Vac)		
Metric Tons (Vac)		
Kilograms (Air)		
Metric Tons (Air)		
Long Tons (Air)		
US BBLS (60°F)		
US GALLONS (60°F)		
Cubic Meters (60°F)		
Cubic Meters (20°C)		
Liters (15°C)		

2.2. Total Quantity delivered by FPSO **SEPETIBA** as per ASTM 6A Table, obtained by FPSO's flowmeter measurements with Density/API and S&W from FPSO In-Line Blend sample analysis, obtained at FPSO **SEPETIBA** Laboratory.

SUMMARY OF QUANTITIES BY TABLE ASTM 6 A		
Measurements	Gross	Net
US BBLS (60°F)	Due the pull opertion on FPSO Sepetiba, it was not possible the chemist surveyor on board.	
Kilograms (Vac)		
Metric Tons (Vac)		
Kilograms (Air)		
Metric Tons (Air)		
Long Tons (Air)		
US GALLONS (60°F)		
Cubic Meters (60°F)		
Cubic Meters (20°C)		
Liters (15°C)		

2.3. Total Quantity delivered by FPSO **SEPETIBA** as per ASTM 54A Table, obtained by FPSO's flowmeter measurements with Density/API and S&W from FPSO In-Line Blend sample analysis, obtained at FPSO **SEPETIBA** Laboratory.

SUMMARY OF QUANTITIES BY TABLE ASTM 54 A		
Measurements	Gross	Net
Liters (15°C)	Due the pull opertion on FPSO Sepetiba, it was not possible the chemist surveyor on board.	
Kilograms (Vac)		
Metric Tons (Vac)		
Kilograms (Air)		
Metric Tons (Air)		
Long Tons (Air)		
US BBLS (60°F)		
US GALLONS (60°F)		

3.0. FPSO SEPETIBA ANALYSIS

3.1. Analysis results of FPSO In-Line Blend sample obtained at FPSO **SEPETIBA** Laboratory on April 06th, 2024.

TEST	METHODS	RESULT
Density at 20°C (g/cm³)	ASTM D5002	0,8761
Density at 15°C (g/cm³)	ASTM D5002	0,8794
°API (60°F)	ASTM D5002	29,3
BSW (% vol)	ASTM D4007	0,20
Salt (mg/kg)	ASTM D3230	52,0

Remark: According to our consistency analysis, all quality statements are in compliance with the quality specification contained in the documentary instruction received. We did not have surveyors on board for this operation, all information is in accordance with what was received from the ship.

4.0. COMPARISON REPORT

4.1. Difference in Liters at 20°C NSV, as per ASTM 60A Table.

ITEM	RESULT
Total Delivered by the FPSO	78.015.870
Total Received by the Vessel	77.934.918
Difference - FPSO & Vessel	80.952

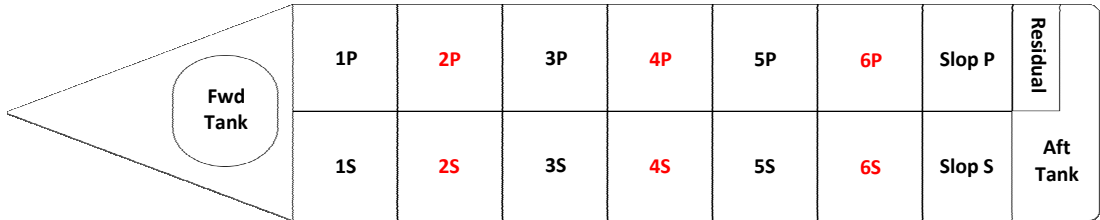
4.2. Diference in Bbls at 60°F NSV, as per ASTM 6A Table.

ITEM	RESULT
Total Delivered by the FPSO	490.705,00
Total Received by the Vessel	488.462,14
Difference - FPSO & Vessel	2.242,86

Remark: According to our consistency analysis, all quality statements are in compliance with the quality specification contained in the documentary instruction received. We did not have surveyors on board for this operation, all information is in accordance with what was received from the ship. The values of FPSO delivered was informed by FPSO Sepetiba.

5.0. Comments

Stowage on Ship's Cargo Tanks Marked in Red:



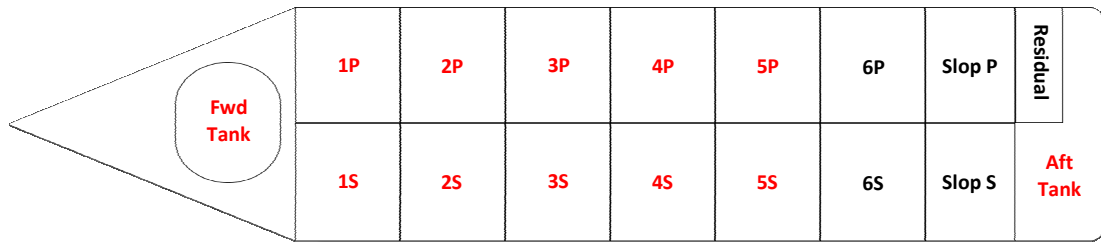
ITEM	RESULT
V.E.F	Not applied.
O.B.Q. (Before Loading - m³)	Nil.
Free Water delivered by FPSO	-
Total Free Water in Ship's Tanks (m³)	10,16.
Total Free Water in Ship's Tanks (Bbls)	63,90.
Slop/Residual tank(s) for receiving Flushing	-
Slop/Residual Measure After Initial Flushing	-
Slop/Residual Measure After backflushing	-
Flushing Measurement by FPSO	-
H2S - Ship's Tanks Before operation (ppm)	-
H2S - Ship's Tanks After operation (ppm)	-

6.0. Drafts

DRAFT (m)	FWD	AFT	Trim	List
Arrival	7,20	9,50	2,30	
Arrival Condition	<div>() Trim by the Bow</div> <div>(X) Trim by the Stern</div> <div>() Even Keel</div> <div>() List by Port</div> <div>() List by Starboard</div> <div>() No List</div>			
Departure	12,40	12,40	Even Keel	
Departure Condition	<div>() Trim by the Bow</div> <div>() Trim by the Stern</div> <div>(X) Even Keel</div> <div>() List by Port</div> <div>() List by Starboard</div> <div>() No List</div>			

7.0. Comments

Stowage on Ship's Ballast Tanks Marked in Red:



8.0. Bunkers

Bunkers (m)	Fuel Oil	Diesel
Departure from Port (Mt Vac)	-	-
Arrival at FPSO (Mt Vac)	1.268,82	324,67
Departure from FPSO (Mt Vac)	1.245,10	324,10
Arrival at Port (Mt Vac)	-	-

9.0. Timesheet

Date	Time	Event
April 04th, 2024	7:00	Cargo Surveyor arrived in São Sebastião city;
	7:00	Awaiting instructions to go on board Eagle Passos;
	10:45	Cargo Surveyor on board service boat;
	11:20	Cargo Surveyor on board DPST Eagle Passos;
	14:00	Pilot on board;
	14:50	Pilot away;
April 05th, 2024	15:30	C.O.S.P / Vessel sailing to Santos Basin FPSO Sepetiba Area;
	8:00	E.O.S.P / Vessel arrived in Santos Basin FPSO Sepetiba Area;
	8:00	N.O.R Tendered;
	8:00	Awaiting instructions from FPSO Sepetiba to start approaching;
	8:00	Commenced OBQ tanks inspection;
	9:00	Completed OBQ tanks inspection;
	11:00	Vessel in shooting position;
	11:00	Commenced mooring;
	11:55	Completed mooring;
	12:15	Commenced hose connection;
	13:05	Completed hose connection;
	13:18	Commenced pressure test;
	13:30	Completed pressure test;
	13:54	Commenced flushing;
April 06th, 2024	14:24	Completed flushing;
	14:30	Commenced line displacement;
	14:42	Completed line displacement;
	14:48	Commenced Offloading Mero Crude Oil;
	3:06	Completed Offloading Mero Crude Oil;
	3:06	Commenced cargo tanks inspection;
	3:36	Completed cargo tanks inspection;
	3:36	Commenced cargo calculations;
	3:42	Commenced backflushing;
	4:00	Completed calculations;
	4:00	Completed backflushing;
	4:30	Commenced hose disconnection;
	4:55	Completed hose disconnection;
	5:25	Commenced unmooring;
	5:45	Completed unmooring;