

CUSTOMER: CNOOC PETROLEUM BRASIL LTDA/ CHINA OFFSHORE OIL
(SINGAPORE) INTERNATIONAL PTE LTD
VESSEL: DPST Eagle Petrolina
VOYAGE: 2122CEN
PRODUCT: Búzios Crude Oil

PETROINSPEC REF: PIS0011/24
FPSO: FPSO Almirante Barroso / Santos Basin
CARGO REF: ABA OC 005
DATE: From June 19th to June 21st, 2024

1.0. DPST: DPST Eagle Petrolina FIGURES

1.1. Total Quantity loaded by DPST Eagle Petrolina (without VEF) as per ASTM 60A Table, with Density/API and S&W from FPSO In- Line Blend sample analysis, obtained at FPSO Almirante Barroso / Santos Basin Laboratory.

SUMMARY OF QUANTITIES BY TABLE ASTM 60 A

Measurements	Gross	Net
Liters (20°C)	153.818,054	153.356,600
Kilograms (Vac)	135.267,597	134.861,794
Metric Tons (Vac)	135.267,597	134.861,794
Kilograms (Air)	135.071,871	134.666,655
Metric Tons (Air)	135.071,871	134.666,655
Long Tons (Air)	132.938,617	132.539,801
US BBLS (60°F)	964.063,91	961.171,71
US GALLONS (60°F)	40.490.684,03	40.369.212,02
Cubic Meters (60°F)	153.273,821	152.814,000
Cubic Meters (20°C)	153.818,054	153.356,600
Liters (15°C)	153.206,472	152.746,853

1.2. Total Quantity loaded by DPST Eagle Petrolina(Without VEF) as per ASTM 6A Table with Density/API and S&W from FPSO In- Line Blend sample analysis, obtained at FPSO Almirante Barroso / Santos Basin Laboratory.

SUMMARY OF QUANTITIES BY TABLE ASTM 6 A

Measurements	Gross	Net
US BBLS (60°F)	964.076,37	961.184,15
Kilograms (Vac)	135.250,920	134.845,170
Metric Tons (Vac)	135.250,920	134.845,170
Kilograms (Air)	135.087,360	134.682,100
Metric Tons (Air)	135.087,360	134.682,100
Long Tons (Air)	132.953,860	132.555,000
US GALLONS (60°F)	40.491.207,50	40.369.734,30
Cubic Meters (60°F)	153.275,803	152.815,977
Cubic Meters (20°C)	153.820,073	153.358,614
Liters (15°C)	153.208,482	152.748,858

1.3. Total Quantity loaded by DPST Eagle Petrolina (without VEF) as per ASTM 54A Table, with Density/API and S&W from FPSO In- Line Blend sample analysis, obtained at FPSO Almirante Barroso / Santos Basin Laboratory.

SUMMARY OF QUANTITIES BY TABLE ASTM 54 A

Measurements	Gross	Net
Liters (15°C)	153.209,859	152.750,229
Kilograms (Vac)	135.238,343	134.832,627
Metric Tons (Vac)	135.238,343	134.832,627
Kilograms (Air)	135.074,857	134.669,632
Metric Tons (Air)	135.074,857	134.669,632
Long Tons (Air)	132.941,556	132.542,731
US BBLS (60°F)	964.085,22	961.192,96
US GALLONS (60°F)	40.491.579,20	40.370.104,30

2.0. FPSO FPSO Almirante Barroso / Santos Basin FIGURES

2.1. Total Quantity delivered by FPSO Almirante Barroso / Santos Basin 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 Almirante Barroso / Santos Basin Laboratory.

SUMMARY OF QUANTITIES BY TABLE ASTM 60 A

Measurements	Gross	Net
Liters (20°C)	153.081,649	152.622,404
Kilograms (Vac)	134.620,002	134.216,142
Metric Tons (Vac)	134.620,002	134.216,142
Kilograms (Air)	134.150,721	133.748,269
Metric Tons (Air)	134.150,721	133.748,269
Long Tons (Air)	132.032,015	131.635,920
US BBLS (60°F)	959.448,44	956.570,10
US GALLONS (60°F)	40.296.834,60	40.175.944,08
Cubic Meters (60°F)	152.540,021	152.082,401
Cubic Meters (20°C)	153.081,649	152.622,404
Liters (15°C)	152.472.995	152.015.576

2.2. Total Quantity delivered by FPSO Almirante Barroso / Santos Basin 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 Almirante Barroso / Santos Basin Laboratory.

SUMMARY OF QUANTITIES BY TABLE ASTM 6 A

Measurements	Gross	Net
US BBLS (60°F)	959.402,31	956.524,11
Kilograms (Vac)	134.343,620	133.940,590
Metric Tons (Vac)	134.343,620	133.940,590
Kilograms (Air)	134.180,810	133.778,270
Metric Tons (Air)	134.180,810	133.778,270
Long Tons (Air)	132.061,620	131.665,440
US GALLONS (60°F)	40.294.897,19	40.174.012,62
Cubic Meters (60°F)	152.532,688	152.075,090
Cubic Meters (20°C)	153.074,319	152.615,096
Liters (15°C)	152.465.694	152.008.297

2.3. Total Quantity delivered by FPSO Almirante Barroso / Santos Basin 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 Almirante Barroso / Santos Basin Laboratory.

SUMMARY OF QUANTITIES BY TABLE ASTM 54 A

Measurements	Gross	Net
Liters (15°C)	152.465.003	152.007.608
Kilograms (Vac)	134.306,421	133.903,502
Metric Tons (Vac)	134.306,421	133.903,502
Kilograms (Air)	134.143,689	133.741,258
Metric Tons (Air)	134.143,689	133.741,258
Long Tons (Air)	132.025,095	131.629,019
US BBLS (60°F)	959.398,15	956.519,96
US GALLONS (60°F)	40.294.722,45	40.173.838,28

3.0. FPSO Almirante Barroso / Santos Basin FIGURES

3.1. Analysis results of FPSO In-Line Blend sample obtained at FPSO Almirante Barroso / Santos Basin Laboratory on

TEST	METHODS	RESULT
Density at 20°C (g/cm³)	ASTM D1298	0,8794
Density at 15°C (g/cm³)	ASTM D1298	0,8827
°API (60°F)	ASTM D1298	28,7
BSW (% vol)	ASTM D4007	0,30
Salt (mg/kg)	ASTM D3230	53,6

4.0. COMPARISON REPORT

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

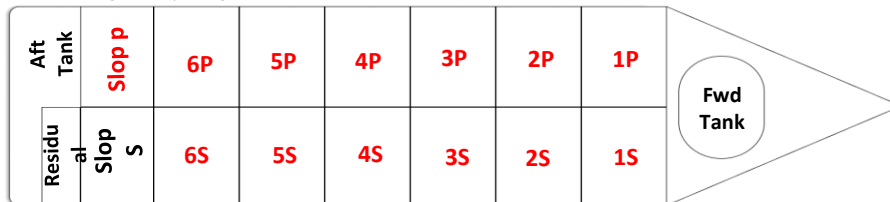
ITEM	RESULT
Total Delivered by the FPSO	152.622.404
Total Received by the Vessel	153.356.600
Difference - FPSO & Vessel	734.196

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

ITEM	RESULT
Total Delivered by the FPSO	956.524,11
Total Received by the Vessel	961.184,15
Difference - FPSO & Vessel	4.660,04

5.0. Comments

Stowage on Ship's Cargo Tanks Marked in Red:



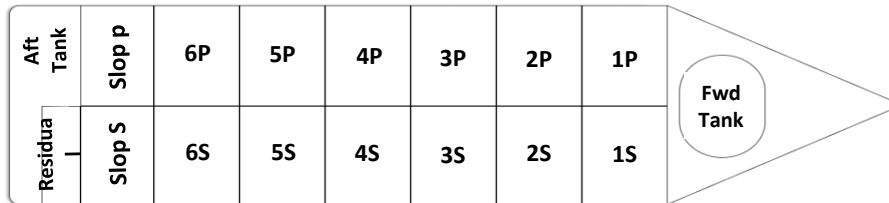
ITEM	RESULT
V.E.F	Not Applied
O.B.Q. (Before Loading - m³)	Nil
Free Water delivered by FPSO	-
Total Free Water in Ship's Tanks (m³)	1,74
Total Free Water in Ship's Tanks (Bbls)	10,94
Slop/Residual tank(s) for receiving Flushing	-
Slop/Residual Measure After Initial Flushing	-
Slop/Residual Measure After 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	9,20	2,00	
Arrival Condition	() Trim by the Bow (x) Trim by the Stern () Even Keel () List by Port () List by Starboard () No List			
Departure	16,20	16,20	0	
Departure Condition	() Trim by the Bow () Trim by the Stern (x) Even Keel () List by Port () List by Starboard () No List			

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)	1.367,381	281,225
Departure from FPSO (Mt Vac)	1.322,101	281,372
Arrival at Port (Mt Vac)		

9.0. Timesheet

Date	Time	Event
June 17th, 2024	22:00	Cargo surveyor arrived at Novo Rio bus station;
June 18th, 2024	7:00	Cargo surveyor arrived in São Sebastião city;
-	8:50	Cargo surveyor arrived at Petrobás Terminal;
-	10:00	Cargo surveyor on board Eagle Petrolina;
-	10:00	Commenced key meeting with Chief Officer;
-	10:24	Completed key meeting with Chief Officer;
-	14:12	Commenced OBQ tanks inspection;
-	15:00	Completed OBQ tanks inspection;
-	16:08	Pilot on board;
-	17:18	Pilot away;
-	18:15	C.O.S.P/ Vessel sailing to Almirante Barroso FPSO area;
June 19th, 2024	9:15	E.O.S.P/ Vessel arrived in Almirante Barroso FPSO area;
-	9:15	NOR Tendered;
-	12:00	Vessel in shooting position;
-	12:00	Commenced mooring;
-	13:00	Completed mooring;
-	13:12	Commenced hose connection;
-	13:48	Completed hose connection;
-	14:25	Commenced pressure test;
-	14:35	Completed pressure test;
-	15:12	Commenced line displacement;
-	15:16	Completed line displacement;
-	15:34	Commenced Offloading Búzios Crude Oil;
June 20th, 2024	6:34	Offloading stopped by FPSO request;
-	7:37	Offloading restarted;
-	21:30	Completed Offloading Búzios Crude Oil;
-	21:40	Commenced line displacement;
-	21:48	Completed line displacement;
-	21:52	Commenced line flushing;
-	22:16	Completed line flushing;
-	22:25	Commenced back flushing;
-	23:06	Completed back flushing;
-	23:06	Commenced cargo tanks inspection;
-	23:24	Commenced hose disconnection;
-	23:54	Completed hose disconnection;
June 21st, 2024	0:06	Completed cargo tanks inspection;
-	0:06	Commenced cargo calculations;

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