

<b>CUSTOMER:</b>	<b>CNOOC PETROLEUM BRASIL LTDA / CHINA OFFSHORE OIL (SINGAPORE) INT. PTE LTD</b>
<b>VESSEL:</b>	<b>DPST NS PIONEER</b>
<b>VOYAGE:</b>	<b>NS-V24-05</b>
<b>PRODUCT:</b>	<b>BUZIOS C.O.</b>
<b>TERMINAL:</b>	<b>FPSO P-75 / SANTOS BASIN</b>
<b>CARGO REF:</b>	<b>P75 OC 012</b>
<b>DATE:</b>	<b>April 09th to 10th, 2024</b>
<b>PETROINSPEC REF:</b>	<b>PIS004/24</b>

**Dear Customer:**

**Please find enclosed our Survey Report for the above referenced vessel.**

**Thanks and best regards,**

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

VESSEL: DPST NS PIONEER  
VOYAGE: NS-V24-05  
PRODUCT: BUZIOS C.O.

TERMINAL: FPSO P-75 / SANTOS BASIN  
CARGO REF: P75 OC 012  
DATE: April 09th to 10th, 2024

Attention: CAPTAIN/CHIEF OFFICER  
Confirmation of receipt of all related cargo documents by signing this certificate

DOCUMENTS	STATUS
MASTER RECEIPT OF DOCUMENTS	Yes
VESSEL CARGO ORDERS	Yes
SUMMARY OF QUANTITIES	Yes
SHIP'S FIGURES BY TABLE ASTM 60A	Yes
SHIP'S FIGURES BY TABLE ASTM 6A	Yes
VESSEL EXPERIENCE FACTOR	Yes
ANALYSIS REPORT	Yes
LETTER OF PROTEST / APPARENT DISCREPANCY	Yes
TIME LOG	Yes
O.B.Q. REPORT	Yes
INSPECTION CERTIFICATE OF TANKS	Yes
BUNKER REPORT - FUEL OIL	Yes
BUNKER REPORT - DIESEL OIL	Yes
SAMPLE RECEIPT	Yes
SAMPLES TO PETROINSPEC	Yes
H2S REPORT BEFORE / AFTER	Yes
SLOPS RECORD REPORT BEFORE	Yes
SLOPS RECORD REPORT AFTER	Yes

DIGITAL VERSION OF THE REPORT: The documents outlined in this report are consistent with the signed copy, which has been signed and stamped by the Terminal and/or Vessel Representatives. The original field documents are accessible upon request from our principals.

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

VESSEL: DPST NS PIONEER  
VOYAGE: NS-V24-05  
PRODUCT: BUZIOS C.O.

TERMINAL: FPSO P-75 / SANTOS BASIN  
CARGO REF: P75 OC 012  
DATE: April 09th to 10th, 2024

Product	Customer Order Quantity			Vessel Available Capacity			Vessel Requested Quantity		
BUZIOS C.O.	( ) MT	( ) M³	( X ) BBLS	( ) MT	( X ) M³	( ) BBLS	( ) MT	( ) M³	( X ) BBLS
	500.000,00 +/- 5% bbls @60°F			81.728,40			500.000,00 +/- 5% bbls @60°F		

STOP LOADING BY: ( X ) Shore ( ) Vessel

- NOTES:
- 1.0. Client Order Should Included Any Option And Party May Exercise Such Option.
  - 2.0. If vessel does not request Maximum Quantity state reason below:

Comment:

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

PETROINSPEC REF: PIS004/24

VESSEL: DPST NS PIONEER  
VOYAGE: NS-V24-05  
PRODUCT: BUZIOS CRUDE OIL  
DETAILS: OFFLOADING AT FPSO P-75

TERMINAL: FPSO P-75 / SANTOS BASIN  
CARGO REF: P75 OC 012  
DATE: April 09th to 10th, 2024

Summary of Quantities By Table ASTM 60 A - Vessel		
Without VEF Applied		
Measurements	Gross	Net
Liters (20°C)	79.738.166	79.698.297
Kilograms (Vac)	69.922.398	69.887.437
Metric Tons (Vac)	69.922,398	69.887,437
Kilograms (Air)	69.828.047	69.793.133
Metric Tons (Air)	69.828,047	69.793,133
Long Tons (Air)	68.725,220	68.690,857
US BBLS (60°F)	499.752,34	499.502,47
US GALLONS (60°F)	20.989.598,47	20.979.103,70

Summary of Quantities By Table ASTM 60 A - FPSO		
Figures Based at FPSO P-75 Flowmeter		
Measurements	Gross	Net
Liters (20°C)		
Kilograms (Vac)	It was identified by our chemist surveyor on board in the FPSO P-75 a flowmeter problem. The equipment was not in operation when the offloading commenced. Because this, the quantities were not determined.	
Metric Tons (Vac)		
Kilograms (Air)		
Metric Tons (Air)		
Long Tons (Air)		
US BBLS (60°F)		
US GALLONS (60°F)		

Comparative Ship - Shore			ASTM 60A	
Measurement	Ship	Shore	Difference (L)	Difference (%)
Liters (20°C)	79.698.297	0	79.698.297	0,00 %

Comparative Ship - Shore			ASTM 60A	
Measurement	Ship	Shore	Difference (L)	Difference (%)
Net US BBLS (60°F)	499.502,47	0,00	499.502,47	0,00 %

Remark:

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

PETROINSPEC REF: PIS004/24

VESSEL: DPST NS PIONEER  
VOYAGE: NS-V24-05  
PRODUCT: BUZIOS CRUDE OIL  
DETAILS: OFFLOADING AT FPSO P-75

TERMINAL: FPSO P-75 / SANTOS BASIN  
CARGO REF: P75 OC 012  
DATE: April 09th to 10th, 2024

Summary of Quantities By Table ASTM 54 A - Vessel		
Without VEF Applied		
Measurements	Gross	Net
Liters (15°C)	79.421.581	79.381.870
Kilograms (Vac)	69.914.818	69.879.860
Metric Tons (Vac)	69.914,818	69.879,860
Kilograms (Air)	69.830.041	69.795.126
Metric Tons (Air)	69.830,041	69.795,126
Long Tons (Air)	68.727,182	68.692,818
US BBLS (60°F)	499.766,61	499.516,73
US GALLONS (60°F)	20.990.197,62	20.979.702,66

Summary of Quantities By Table ASTM 54 A - FPSO		
Figures Based at FPSO P-75 Flowmeter		
Measurements	Gross	Net
Liters (15°C)	It was identified by our chemist surveyor on board in the FPSO P-75 a flowmeter problem. The equipment was not in operation when the offloading commenced. Because this, the quantities were not determined.	
Kilograms (Vac)		
Metric Tons (Vac)		
Kilograms (Air)		
Metric Tons (Air)		
Long Tons (Air)		
US BBLS (60°F)		
US GALLONS (60°F)		

Comparative Ship - Shore			ASTM 60A	
Measurement	Ship	Shore	Difference (L)	Difference (%)
Liters (20°C)	79.381.870	0	79.381.870	0,00 %

Comparative Ship - Shore			ASTM 60A	
Measurement	Ship	Shore	Difference (L)	Difference (%)
Net US BBLS (60°F)	499.516,73	0,00	499.516,73	0,00 %

Remark:

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

PETROINSPEC REF: PIS004/24

VESSEL: DPST NS PIONEER  
VOYAGE: NS-V24-05  
PRODUCT: BUZIOS CRUDE OIL  
DETAILS: OFFLOADING AT FPSO P-75

TERMINAL: FPSO P-75 / SANTOS BASIN  
CARGO REF: P75 OC 012  
DATE: April 09th to 10th, 2024

Summary of Quantities By Table ASTM 6 A - Vessel

Without VEF Applied

Measurements	Gross	Net
US BBLS (60°F)	499.772,68	499.522,79
Kilograms (Vac)	69.938.816	69.903.846
Metric Tons (Vac)	69.938,816	69.903,846
Kilograms (Air)	69.854.000	69.819.072
Metric Tons (Air)	69.854,000	69.819,072
Long Tons (Air)	68.750,762	68.716,386
US GALLONS (60°F)	20.990.452,56	20.979.957,18
Liters (15°C)	79.422.561	79.382.849

Summary of Quantities By Table ASTM 6 A - DPST

Figures Based at FPSO P-75 Flowmeter

Measurements	Gross	Net
US BBLS (60°F)	It was identified by our chemist surveyor on board in the FPSO P-75 a flowmeter problem. The equipment was not in operation when the offloading commenced. Because this, the quantities were not determined.	
Kilograms (Vac)		
Metric Tons (Vac)		
Kilograms (Air)		
Metric Tons (Air)		
Long Tons (Air)		
US GALLONS (60°F)		
Liters (15°C)		

Comparative Ship - Shore

Measurement	Ship	Shore	Difference (L)	Difference (%)
Liters (20°C)	499.522,79	0,00	499.522,79	0,00 %

Remark:

Summary					
Measurements	Gross	Net	Conversion Factors Based on MPMMS 11.5.3		
Liters (20°C)	79,738.166	79,698.297	V.E.F.	Not Applied	
Kilograms (Vac)	69,922.398	69,887.437	Average of Density (VAC @ 20°C)	0,8769	
Metric Tons (Vac)	69,922.398	69,887.437	Average of Density (VAC @ 15°C)	0,8803	
Kilograms (Air)	69,828.047	69,793.133	BSW (% Vol)	0,05	
Metric Tons (Air)	69,828,047	69,793,133	Factor / Metric Ton (Air)	1,137355498	
Long Tons (Air)	68,725,220	68,690,857	Factor / Long Ton (Air)	1,155606538	
US BBLs (60°F)	499,752,34	499,502,47	Factor / US BBLs (60°F)	6,292579507	
US Gallons (60°F)	20,989,598,47	20,979,103,70	Factor / US Gallons (60°F)	42	
LITERS (15°C)	79,419.313	79,419.313	Average °API	29,10	
Free Water (m³)	0,000	0,000	Factor Liters @ 20°C To Liters @ 15°C	0,99600125C	

Measurements under pitching and rolling; | Sea and Weather conditions: 2 meter and wind 8 knot.  
U.T.I. S/N: G21260 - Model: GTEX SS1-Q1 30 Mts - Calibration Date: April 05th, 2024;  
Density/API and S&W as per P75 FPSO - In-Line Blend Sample analysis performed by FPSO Laboratory;

Final Draft (m)		FWD	AFT	Trim	List					
		16,80	16,80	0	0					
Vessel Tanks	Measurements (m)	Ship's Line (l)	TOV (l)	Free Water (l)	GOV (l)	TEMP (°C)	VCF (15 °C)	GSV (l @15 °C)	S&W	NSV (l @15 °C)
1P	1,580 m	0	11.822.784	0	11.822.784	41,90	0,97855	11.569.185	5.785	11.563.400
1S	1,490 m	0	11.812.548	0	11.812.548	41,90	0,97855	11.559.169	5.780	11.553.389
3P	1,100 m	0	13.929.364	0	13.929.364	41,90	0,97855	13.630.579	6.815	13.623.764
3S	1,340 m	0	13.935.281	0	13.935.281	42,10	0,97839	13.634.140	6.817	13.627.323
5P	1,140 m	0	13.935.367	0	13.935.367	42,30	0,97823	13.631.994	6.816	13.625.178
5S	1,350 m	0	13.931.046	0	13.931.046	42,20	0,97831	13.628.882	6.814	13.622.068
SLOP S	2,920 m	0	1.804.608	0	1.804.608	40,70	0,97951	1.767.632	884	1.766.748
	</									

Note:	Volume Correction Factor used correspond to API Tables 2004 and Unit Conversion Factors Basis on API Chapter 11.5.3
Remark :	
<p>Measurements under pitching and rolling;   Sea and Weather conditions: 4 meter and wind 12 knot.</p> <p>U.T.I S/N: G21260 - Model: GTX SS1-Q1 30 Mts - Calibration Date: April 05th, 2024;</p> <p>Density/API and S&amp;W as per P75 FPSO - In-Line Blend Sample analysis performed by FPSO Laboratory;</p>	



**PETROINSPEC REF: PIS004/24**

### DETAILS: OFFLOADING AT FPSO P-75

**DATE:** April 09th to 10th, 2024

Vessel Tanks	Measurements (m)	Ship's Line (bbbls)	TOV (bbbls)	Free Water (bbbls)	GOV (bbbls)	TEMP (°F)	VCF	GSV (bbbls)	S&W	NSV (bbbls)
1P	1,580 m		74.363,07	0,00	74.363,07	107,4	0,97900	72.801,45	36,40	72.765,05
1S	1,490 m		74.298,68	0,00	74.298,68	107,4	0,97900	72.738,41	36,37	72.702,04
3P	1,100 m		87.613,05	0,00	87.613,05	107,4	0,97900	85.773,18	42,89	85.730,29
3S	1,340 m		87.650,27	0,00	87.650,27	107,8	0,97882	85.793,84	42,90	85.750,94
5P	1,140 m		87.650,81	0,00	87.650,81	108,1	0,97869	85.782,97	42,89	85.740,08
5S	1,350 m		87.623,63	0,00	87.623,63	108,0	0,97873	85.759,88	42,88	85.717,00
SLOP S	2,920 m		11.350,64	0,00	11.350,64	105,3	0,97994	11.122,95	5,56	11.117,39
TOTAL			510.550,15	0,00	510.550,15			499.772,68	249,89	499.522,79

Measurements	GROSS	NET	Conversion Factors Based on MPMS 11.5.1	
US BBLs (60°F)	499.772,68	499.522,79	V.E.F.	Not Applied
Kilograms (Vac)	69.938.816	69.903.846	Density (@20°C)	0,8769
Metric Tons (Vac)	69.938,816	69.903,846	Density (VAC @ 60/60°F)	0,88107
Kilograms (Air)	69.854.000	69.819.072	BSW (%vol)	0,05%
Metric Tons (Air)	69.854,000	69.819,072	Factor / Metric Tons (VAC)	0,139941255
Long Tons (Air)	68.750,762	68.716,386	Factor / Metric Tons (AIR)	0,139771545
US GALLONS (60°F)	20.990.452,56	20.979.957,18	Factor / Long Tons (AIR)	0,137564067
Liters (15°C)	79.422.561	79.382.849	Factor / Liters (15°C)	158,9173713
Free Water (BBLs)	0,00		Factor / US Gallons (60°F)	42
			Gravity A.P.I	29,10

REMARK :

Measurements under pitching and rolling; | Sea and Weather conditions: 2 meter and wind 8 knot.  
U.T.I. S/N: G21260 - Model: GTEX SS1-Q1 30 Mts - Calibration Date: April 05th, 2024;  
Density/API and S&W as per P75 FPSO - In-Line Blend Sample analysis performed by FPSO Laboratory;



Vessel Experience Factor

Sequential Voyage Log - LOAD

CUSTOMER: CNOOC PETROLEUM BRASIL LTDA / CHINA OFFSHORE OIL (SINGAPORE) INT. PTE LTD					PETROINSPEC REF: PIS004/24					
VESSEL: DPST NS PIONEER					TERMINAL: FPSO P-75 / SANTOS BASIN					
VOYAGE: NS-V24-05					CARGO REF: P75 OC 012					
PRODUCT: BUZIOS C.O.					DATE: April 09th to 10th, 2024					

Voyage	Port	Product	Date	TCV (Departure)	OBQ (Vessel)	TCV (Load - Vessel)	TCV (Shore)	VEF (Table Used)	TCV (Vessel - Shore)	Qualified Voyage?
Last Cargo	JUBAIL	GASOIL 10PPM	07/05/2023	133.670,471	-	133.670,471	133.757,879	6A	0.99935	Yes
2nd	FPSO P-75	BUZIOS C.O	29/11/2023	67.018,700	-	67.018,700	66.777,314	6A	1.00361	N
3rd	FPSO P-76	BUZIOS C.O	05/12/2023	66.983,000	-	66.983,000	66.983,000	6A	1.00000	Yes
4th	FPSO GUANABARA	MERO C.O	14/12/2023	132.185,316	-	132.185,316	132.586,346	6A	0.99698	Yes
5th	FPSO P-74	BUZIOS C.O	10/01/2024	68.751,820	-	68.751,820	69.198,254	6A	0.99355	N
6th	FPSO ALM. BARROSO	BUZIOS C.O	11/01/2024	68.965,930	-	68.965,930	68.518,169	6A	1.00653	N
7th	FPSO P-71	ITAPU C.O	13/02/2024	130.720,700	-	130.720,700	130.667,000	6A	1.00041	Yes
8th	FPSO GUANABARA	MERO C.O	23/02/2024	138.730,200	-	138.730,200	139.491,552	6A	0.99454	N
9th	FPSO P-77	BUZIOS C.O	05/03/2024	69.503,100	-	69.503,100	68.677,900	6A	1.01202	N
10th	FPSO P-77	BUZIOS C.O	07/03/2024	68.764,700	-	68.764,700	69.212,490	6A	0.99353	N
11th										
12th										
13th										
14th										
15th										
16th										
17th										
18th										
19th										
20th										
					TOTAL	945.293,937	945.869,904	Volume correction factor table*		
						TCV average ratio	0.99939	**Does Voyage Qualified? (Yes/No)		
					Qualifying VEF	0.99639	1.00239			
					Current VEF		0.99910			

NOTES  
\* List last voyage first.  
\* Use either barrels or cubic meters: do not mix.

\* The average TCV ratio is equal to total vessel TCV divided by total shore TCV.  
\*This form should be prepared taking information from the report of analysis of voyage on board

REMARK :

V.E.F NOT APPLIED.

All voyages do not fall under the rules for application of the ship's VEF.

Report of Analysis

CLIENT:	CNOOC PETROLEUM BRASIL LTDA / CHINA OFFSHORE OIL (SINGAPORE) INT. PTE LTD		
YOUR REF.:	P75 OC 012		
VESSEL:	DPST NS PIONEER	PETROINSPEC REF:	PIS004/24
VOYAGE:	NS-V24-05	TERMINAL / PORT:	FPSO P-75 / SANTOS BASIN
PRODUCT:	BUZIOS C.O.	DATE:	April 09th to 10th, 2024

THE ANALYSIS BELOW WERE PERFORMED AT FPSO P-75 / SANTOS BASIN LABORATORY.  
RESULTS OF FPSO IN-LINE BLEND SAMPLE FROM FPSO P-75 / SANTOS BASIN.

TESTS	UNIT	SPECIFICATION	METHODS	RESULT
DENSITY @15°C	g/cm³	Not Informed	ASTM D5002	0,8769
DENSITY @20°C	g/cm³	Not Informed	ASTM D5002	0,8803
API @60°F	-	Not Informed	ASTM D5002	29,1
BSW	% vol	Not Informed	ASTM D4007	0,05
SALINITY	mg/l	Not Informed	ASTM D3230	26,0

REMARK:

Due to the difficulties and limitations inherent within closed system sampling, as described in API MPMS Chapter 17.11, AmSpec cannot attest to the representative nature of samples drawn with such systems or the test data derived therefrom as contained within this Test Report

**PETROINSPEC REF: PIS004/24**

**SHIP:** FPSO P-75 / SANTOS BASIN

CARGO REF: P75 OC 012

**DATE:** April 09th to 10th, 2024

### DETAILS: OFFLOADING AT FPSO P-75

PetroInspec e Soluções Ltda  
Av. Nossa Senhora de Copacabana, 330, Sal 1205, Copacabana, Rio de Janeiro-RJ, CEP: 22.020-001  
[www.petroinspecsolucoes.com](http://www.petroinspecsolucoes.com)

PETROINSPEC REF: PIS004/24

**TERMINAL** FPSO P-75 / SANTOS BASIN  
**CARGO REF:** P75 OC 012  
**DATE:** April 09th to 10th, 2024

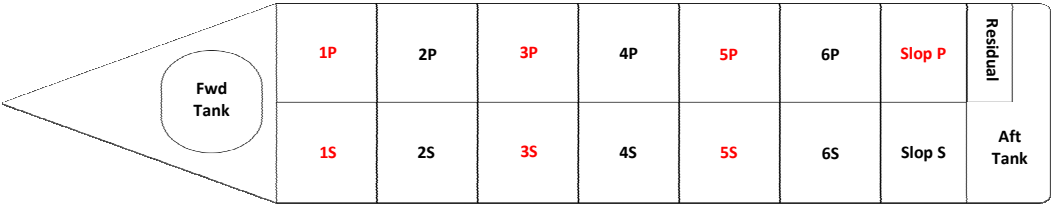
Draft (m)		FWD	AFT
Arrival		12,30	12,30
Arrival Condition	( ) Trim by the Bow		
	( ) Trim by the Stern		
	( X ) Even Keel		
	( ) List by Port		
	( ) List by Starboard		
	( ) No List		
Departure		16,80	16,80
Departure Condition	( ) Trim by the Bow		
	( ) Trim by the Stern		
	( x ) Even Keel		
	( ) List by Port		
	( ) List by Starboard		
	( ) No List		

Sea Valves Seal Numbers

Sea Valves Port	-
Sea Valves Starboard	-
Oil/Water Separator	-
Cargo Tanks Used as Ballast	(    ) Yes (    X    ) No
Segregated Ballast Tanks	(    X    ) Yes (       ) No

Innages Taken at Assigned Gauge Points	(    X    ) Yes (       ) No
Location	(       ) Fore (    X    ) Center (       ) Aft

Additional Oil Found in Red	(       ) Yes (    X    ) No
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Top Lines Stripped	(    X    ) Yes (       ) No
Bottom Lines Stripped	(    X    ) Yes (       ) No
Hose/Arm Stripped	(    X    ) Yes (       ) No

Bunkers (m)	Fuel Oil	Diesel
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Departure from Port (Mt Vac)	-	-
Arrival at FPSO (Mt Vac)	-	-
Departure from FPSO (Mt Vac)	-	-
Arrival at Port (Mt Vac)	-	-

Comments:

ALL TANKS EMPTY - TK'S (1P/1S/3P/3S/5P/5S/SLOP S)

**CUSTOMER: CNOOC PETROLEUM BRASIL LTDA / CHINA OFFSHORE OIL (SINGAPORE) INT. PTE LTD**

**VESSEL:** DPST NS PIONEER  
**VOYAGE:** NS-V24-05  
**PRODUCT:** BUZIOS CRUDE OIL

**TERMINAL:** FPSO P-75 / SANTOS BASIN  
**CARGO REF:** P75 OC 012  
**DATE:** April 09th to 10th, 2024

As per the Master/Chief Officer of the aforementioned vessel, the cargo tanks on deck below are pressurized with gas, preventing physical entry. Consequently, our assessment was confined to a visual inspection. The onboard tanks were examined visually, adhering to the criteria of cleanliness, dryness, and absence of odors.

Informed method that have been used to clean the tanks:

The tanks on the ship were inspected using sounding, as visual checks were impracticable due to the presence of inert gas inside

[illegible]

*Information regarding previous cargoes, tank coating, and cleaning methods was obtained from vessel personnel and cannot be guaranteed as accurate. PetroInspec assumes no liability for any consequences resulting from inaccurate information supplied by the vessel. This report necessarily relies on such information.*

*The tank cleaning inspections are based on visual assessments of accessible surfaces and system time. However, this document does not encompass the evaluation of tank surfaces' cleanliness, specific spots, or the potential release of components from previous cargoes during loading, discharging, or transport of the current cargo. The vessel holds full responsibility for these aspects. The assurance of the suitability of tank coating for the intended cargo must be guaranteed by the vessel's owner or the coating suppliers.*

*Due to the difficulties and limitations inherent within closed system sampling, as described in API MPMS Chapter 17.11, PetroInspec can not attest to the representative nature of samples drawn with such systems or the test data derived therefrom as contained within this Test Report.*

CLIENT: CNOOC PETROLEUM BRASIL LTDA / CHINA OFFSHORE OIL (SINGAPORE) INT. PTE LTD

YOUR REF.: P75 OC 012  
VESSEL: DPST NS PIONEER  
VOYAGE: NS-V24-05  
PRODUCT: BUZIOS C.O.

JOB NUMBER: PIS004/24  
TERMINAL / PORT: FPSO P-75 / SANTOS BASIN  
DATE: April 09th to 10th, 2024

### 1. VESSEL HISTORY FROM CHIEF ENGINEER

BUNKER PRODUCT	HEAVY FUEL OIL	DAYS AT SEA	N/I	AT ANCH	N/I
LAST PORT	NOT INFORMED		AVERAGE BUNKER CONSUMPTION PER DAY		
BUNKERS ON DEPARTURE	N/I	METRIC TONS	AT SEA	N/I	METRIC TONS
BUNKERS AT E.O.S.P.	N/I	METRIC TONS	AT LOAD	N/I	METRIC TONS
BUNKERS RECEIVED INTRANSIT	N/I	METRIC TONS	AT DISC	N/I	METRIC TONS
BUNKERS RECEIVED IN PORT	N/I	METRIC TONS	AT ANCHOR	N/I	METRIC TONS

### 2. INSPECTION UPON ARRIVAL

DATE	09-Apr-2024	TIME	19:30	DRAFTS	FWD	12,30 m	AFT	12,30
TANK NAME	INNAGES	G.O.V.	TEMP.	V.C.F.	G.S.V.	DENSITY	M. TONS	
	m	m3	°C	T54B - 2004	m3	15°C	(AIR)	
1P	1716,00	0,000	30,0	0,98885	0,00	0,9283	0,00	
1S	247,00	1012,400	45,0	0,97761	989,73	0,9276	916,99	
2S	461,00	73,600	42,0	0,97986	72,12	0,9276	66,82	
G1 SERVICE	589,00	93,900	87,0	0,94590	88,82	0,9283	82,35	
G1 SETTING	712,00	70,500	60,0	0,96635	68,13	0,9283	63,17	
G2 SERVICE	71,00	73,800	64,0	0,96333	71,094	0,9283	65,918	
G2 SETTLING	896,00	47,800	50,0	0,97388	46,551	0,9283	43,163	
G3 SERVICE	674,00	96,500	78,0	0,95273	91,938	0,9283	85,245	
G3 SETTLING	952,00	28,400	62,0	0,96484	27,401	0,9283	25,407	
OVL, snd	95,00	10,500	40,0	0,98138	10,304	0,9283	9,554	
TOTALS	G.O.V. =	1507,400		G.S.V. =	1466,087	M. TONS =	1358,613	

### 3. INSPECTION PRIOR TO SAILING

DATE	10-Apr-2024	TIME	10:00	DRAFTS	FWD	16,80 m	AFT	16,80
TANK NAME	INNAGES	G.O.V.	TEMP.	V.C.F.	G.S.V.	DENSITY	M. TONS	
	m	m3	°C	T54B - 2004	m3	15°C	(AIR)	
1P	1716,00	0,000	30,0	0,98287	602,794	0,9283	0,000	
1S	247,00	1012,400	45,0	0,98488	5,318	0,9276	916,300	
2S	461,00	73,600	42,0	0,98138	2,453	0,9276	66,800	
G1 SERVICE	589,00	93,900	87,0	0,94590	88,820	0,9283	82,100	
G1 SETTING	712,00	70,500	60,0	0,96106	64,103	0,9283	70,200	
G2 SERVICE	71,00	73,800	64,0	0,96559	53,880	0,9283	65,800	
G2 SETTLING	896,00	47,800	50,0	0,97463	42,591	0,9283	43,100	
G3 SERVICE	674,00	96,500	78,0	0,95349	74,086	0,9283	85,000	
G3 SETTLING	952,00	28,400	62,0	0,96559	86,710	0,9283	25,400	
OVL, snd	95,00	10,500	40,0	0,98138	10,304	0,9283	9,600	
TOTALS	G.O.V. =	1507,400		G.S.V. =	1031,061	M. TONS =	1364,300	

### 4. ADDITIONAL INFORMATION AND COMMENTS

QUANTITY CONSUMED DURING VOYAGE	METRIC TONS	BUNKER SURVEY WAS
QUANTITY CONSUMED DURING TRANSFER	-5,687	SUBMITTED BY VESSEL



CLIENT:	CNOOC PETROLEUM BRASIL LTDA / CHINA OFFSHORE OIL (SINGAPORE) INT. PTE LTD	JOB NUMBER:	PIS004/24
YOUR REF.:	P75 OC 012	TERMINAL / PORT:	FPSO P-75 / SANTOS BASIN
VESSEL:	DPST NS PIONEER	DATE:	April 09th to 10th, 2024
VOYAGE:	NS-V24-05		
PRODUCT:	BUZIOS C.O.		

1. VESSEL HISTORY FROM CHIEF ENGINEER

BUNKER PRODUCT	MARINE GAS OIL	DAYS AT SEA	N/I	AT ANCH	N/I
LAST PORT	NOT INFORMED	AVERAGE BUNKER CONSUMPTION PER DAY			
BUNKERS ON DEPARTURE	N/I	METRIC TONS	AT SEA	N/I	METRIC TONS
BUNKERS AT E.O.S.P.	N/I	METRIC TONS	AT LOAD	N/I	METRIC TONS
BUNKERS RECEIVED INTRANSIT	N/I	METRIC TONS	AT DISC	N/I	METRIC TONS
BUNKERS RECEIVED IN PORT	N/I	METRIC TONS	AT ANCHOR	N/I	METRIC TONS

2. INSPECTION UPON ARRIVAL

DATE	09-Apr-2024	TIME	19:30	DRAFTS	FWD	12,30 m	AFT	12,30 m
TANK NAME	INNAGES	G.O.V.	TEMP.	V.C.F.	G.S.V.	DENSITY	M. TONS	
	m	m3	°C	T54B - 2004	m3	15°C	(AIR)	
MDO ST TI	768,000	271,100	30,0	0,98733	267,67	0,8420	225,08	
DO SETT	138,000	21,900	30,0	0,98733	21,62	0,8420	18,18	
DO SER	234,000	37,000	30,0	0,98733	36,53	0,8420	30,72	
NO2 HFO	218,000	32,200	30,0	0,98733	31,79	0,8420	26,73	
TOTALS	G.O.V. =	362,200		G.S.V. =	357,611	M. TONS =	300,715	

3. INSPECTION PRIOR TO SAILING

DATE	10-Apr-2024	TIME		DRAFTS	FWD	16,8 m	AFT	16,80 m
TANK NAME	INNAGES	G.O.V.	TEMP.	V.C.F.	G.S.V.	DENSITY	M. TONS	
	m	m3	°C	T54B - 2004	m3	15°C	(AIR)	
MDO ST TI	768,000	271,100	30,0	0,98733	267,67	0,8420	225,08	
DO SETT	138,000	21,900	30,0	0,98733	21,62	0,8420	18,18	
DO SER	234,000	37,200	30,0	0,98733	36,73	0,8420	30,89	
NO2 HFO	218,000	32,100	30,0	0,98733	31,69	0,8420	26,65	
TOTALS	G.O.V. =	362,300		G.S.V. =	357,710	M. TONS =	300,798	

4. ADDITIONAL INFORMATION AND COMMENTS

QUANTITY CONSUMED DURING VOYAGE		METRIC TONS	BUNKER SURVEY WAS
QUANTITY CONSUMED DURING TRANSFER	-0,083	METRIC TONS	SUBMITTED BY VESSEL



**TERMINAL:** FPSO P-75 / SANTOS BASIN  
**CARGO REF:** P75 OC 012  
**DATE:** April 09th to 10th, 2024

*Owing to the challenges and constraints inherent in closed system sampling, as elucidated in API MPMS Chapter 17.11, it is important to note that PetroInspec cannot guarantee the representative nature of samples collected using such systems or vouch for the accuracy of the test data presented in this Test Report.*

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## SLOPS RECORD REPORT - BEFORE LOADING

CLIENT: CNOOC PETROLEUM BRASIL LTDA / CHINA OFFSHORE OIL (SINGAPORE) INT. PTE LTD

YOUR REF.: P75 OC 012

**VESSEL:** DPST NS PIONEER

**VOYAGE:** NS-V24-05

**PRODUCT:** BUZIOS C.O.

**JOB NUMBER:** PIS004/24

**TERMINAL / PORT:** FPSO P-75 / SANTOS BASIN

**DATE:** April 09th to 10th, 2024

VESSEL TANKS	CARGO				FREE WATER		CARGO G.O.V. m³
NUMBERS	Total Corrected Measurement (m)	Nom Liquid/Sludge/ Solid (m)	Liquid Measurement (m)	CARGO T.O.V. M³	Corrected Measurement (m)	Free Water Volume (m³)	
SLOP P SLOP S	21,31		21,31	60,400	21,69	37,50	22,900
					TOTAL G.O.V. (M <sup>3</sup> ) ==>		22,900

VESSEL DRAFT		SEA VALVES SEALS NUMBER			
FORE DRAFT:	12.30	SEA VALVES PORT:		-	
AFTER DRAFT:	12.30	SEA VALVES STB:		-	
LIST DEGREES:		OVERBOARD:		-	
		SEACHEST:		-	
		OIL/WATER SEPARATOR:		-	
CARGO TANKS USED AS BALLAST :	NOT				
SEGREGATED BALLAST TANKS:	YES				
INNAGES TAKEN AT DESIGNATES GAUGE POINTS :	NOT		LOCATED		
ADDITIONAL OIL FOUND:		INFORM TANK N°:	TAKEN SAMPLES:		
TOP LINES STRIPPED:	YES		BUNKER SURVEY:	FUEL OIL	DIESEL OIL
BOTTOM LINES STRIPPED:	YES		MT-VAC (BEFORE):	-	-
HOSE/ARM STRIPPED:			MT-VAC (AFTER):	-	-

## REMARKS:

**SLOP S empty before operation.**

### Slops Record Report - After Loading

CLIENT: CNOOC PETROLEUM BRASIL LTDA / CHINA OFFSHORE OIL (SINGAPORE) INT. PTE LTD

**YOUR REF.: P75 OC 012**

VESSEL: DPST NS PIONEER

**VOYAGE:** NS-V24-05

**PRODUCT:** BUZIOS C.O.

**JOB NUMBER:** PIS004/24

**TERMINAL / PORT: FPSO P-75 / SANTOS BASIN**

**DATE:** April 09th to 10th, 2024

[illegible]

VESSEL DRAFT		SEA VALVES SEALS NUMBER	
FORE DRAFT:		SEA VALVES PORT	-
AFTER DRAFT:		SEA VALVES STB	-
LIST DEGREES:		OVERBOARD:	-
		SEACHEST	-
		OIL/WATER SEPARATOR:	-

CARGO TANKS USED AS BALLAST :	<b>NOT</b>		
SEGREGATED BALLAST TANKS :	<b>YES</b>		

INNAGES TAKEN AT DESIGNATES GAUGE POINTS		YES		LOCATED	
ADDITIONAL OIL FOUND:	NOT	INFORM TANK N°:	N/A	TAKEN SAMPLES:	

TOP LINES STRIPPED:	YES		BUNKER SURVEY:	FUEL OIL	DIESEL OIL
BOTTOM LINES STRIPPED:	YES		MT-VAC (BEFORE):	-	-
HOSE/ARM STRIPPED:	YES		MT-VAC (AFTER):	-	-

## REMARKS:

## SLOP S SEE ULLAGE REPORT

## H2S Report - Before Operation

CLIENT:	CNOOC PETROLEUM BRASIL LTDA / CHINA OFFSHORE OIL (SINGAPORE) INT. PTE LTD		
YOUR REF.:	P75 OC 012		
VESSEL:	DPST NS PIONEER	JOB NUMBER: PIS004/24	
VOYAGE:	NS-V24-05	TERMINAL / PORT: FPSO P-75 / SANTOS BASIN	
PRODUCT:	BUZIOS C.O.	DATE: April 09th to 10th, 2024	

[illegible]

## REMARK.:

The H2S measurements was done by the Vessel staff and accompanied by the PetroInspec Surveyor.