

PUERTO RICO ELECTRIC (B/R) POWER AUTHORITY
P.O. BOX 4267
00936 SAN JUAN
Puerto Rico
Mr. M. Rios
JB-TANK INVENTORY-11-21



Job No 13101/00016415.0000/01/I/21
Report date 02 Dec 2021
Installation Arroyo/Guayama, Puerto Rico, PREPA Jobos Turbine Power Block

Shore tank JB-TANK INVENTORY-11-21 - JOBOS
Product NO 2 FUEL OIL

Survey date: 30-Nov-2021

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Saybolt LP - Puerto Rico Branch has performed a survey of the above mentioned object, the findings of the survey are reflected in the following reports:

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Shore Tank Inventory Subtotals	one
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This report consists of 6 pages.

A copy of this report and all field documents and related correspondence will be retained for a period of 10 years, unless local law requires otherwise

Handled by: Rafael Rodriguez

This report reflects only the findings at the time and place of the inspection and testing. This report is not a guarantee or policy of insurance with respect to the goods or the contractual performance of any party. Any person relying upon this report should be aware that issuer's activities are carried out under their general terms and conditions.

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Shore Tank Measurement Details

Survey date: 30-Nov-2021

Shore tank S-1

Measurement data (Innage)		Open	Close
Average	FT/IN	21 07 3/4	
Temperature			
Average temp.	°F	85.9	
Measurement Equipment Data			
Water measurement used		Open	
Water paste used		Paste	
Gauging equipment type		KK	
Gauging Equipment used		Saybolt Equipment	
Gauging equipment number		Manual Tape	
Temperature equipment type		CS-51065	
Temperature Equipment used		Saybolt Equipment	
Temperature equipment number		Portable Electronic Thermometer	
Inspector Equipment used for verification?		TP8-1930	
Inspector name		Yes	
		D.BORRERO	

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Shore Tank Measurement Details

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Shore tank S-2

Measurement data (Innage)		Open	Close
Average	FT/IN	09 02 1/8	
Temperature			
Average temp.	°F	85.9	
Measurement Equipment Data			
Water measurement used		Open	
Water paste used		Paste	
Gauging equipment type		KK	
Gauging Equipment used		Saybolt Equipment	
Gauging equipment number		Manual Tape	
Temperature equipment type		CS-51065	
Temperature Equipment used		Saybolt Equipment	
Temperature equipment number		Portable Electronic Thermometer	
Inspector Equipment used for verification?		TP8-1930	
Inspector name		Yes	
		D.BORRERO	

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Shore Tank Inventory Report

Shore tank measurement		Totals	S-1	S-2
Open measurement				
Date/time of measurement			30 Nov 2021 21:20	30 Nov 2021 23:25
Average Innage	FT/IN		21 07 3/4	09 02 1/8
Average temp.	°F		85.9	85.9
T.O.V.	Barrels		1,881.85	3,200.50
Ambient temp.	°F		77.00	77.00
Tank shell temp.	°F		85.00	85.00
CTsh			1.00031	1.00031
G.O.V.	Barrels		1,882.43	3,201.49
API 60°F			35.30	35.30
V.C.F.	6B		0.98795	0.98798
G.S.V.	barrels 60°F		1,859.75	3,163.01
W.C.F.	MPMS 11.5.1.4.12		0.1324437981	0.1326827737
W.C.F.	MPMS 11.5.1.4.15		0.1345691116	0.1348119220
Long Tons			246.312	419.677
Metric Tons Air			250.265	426.411
Subtotals				
G.S.V.	barrels 60°F	5,022.76	1,859.75	3,163.01
Long Tons		665.989	246.312	419.677

Remarks
Tables used: 6B and W.C.F. MPMS 11.5.1.4.12.

Net calculation via S&W% (API MPMS 12.1)

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Shore Tank Inventory Subtotals

Shore tank Subtotals	Totals	S-1	S-2
Gross Standard Volume			
Cu m 60°F	798.555	295.677	502.878
Barrels 60°F	5,022.76	1,859.75	3,163.01
US gallons 60°F	210,955.92	78,109.50	132,846.42
Metric Tons Vac	677.532	250.582	426.950
Metric Tons Air	676.676	250.265	426.411
Long Tons Air	665.989	246.312	419.677
Short Tons Air	745.907	275.869	470.038
Pounds Air	1,491,814.00	551,738.00	940,076.00
Density 15°C		0.8479	0.8494
API 60°F		35.30	35.00
RD 60/60°		0.8483	0.8498
Total Calculated Volume			
Barrels 60°F	5,022.76	1,859.75	3,163.01
US gallons 60°F	210,955.92	78,109.50	132,846.42

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Certificate of Quantity

The undersigned Independent Saybolt Surveyor herewith declares that the quantity of product measured amounts to:

	Gross	Net
Cubic meters 60°F	798.555	798.555
Barrels 60°F	5,022.76	5,022.76
US Gallons 60°F	210,955.92	210,955.92
Metric Tons vac	677.532	677.532
Metric Tons air	676.676	676.676
Long Tons	665.989	665.989
Short Tons	745.907	745.907
Pounds	1,491,814.00	1,491,814.00

These quantities have been determined by measurement of shore tanks.

B/L API 60°F	35.11
B/L Density 15°C	0.8488
B/L Density 20°C	0.8453
B/L RD 60/60°F	0.8493

Criteria used

US Barrels 60°F to Cu m 60°F	MPMS 11.5 - Annex D	0.158987304
US Barrels 60°F to US Gallons 60°F	MPMS 11.5 - Annex D	42
Metric Tons Air to Metric Tons Vac	MPMS 11.5.3 - 4.5	1.001264734
Barrels 60°F to Metric Tons Air	MPMS 11.5.1 - 4.15	0.13472279
Barrels 60°F to Long Tons	MPMS 11.5.1 - 4.12	0.1325950494
Long Tons to Short Tons	MPMS 11.5 - Annex D	1.12

Remark

Net via S&W Volume %

Signed by: Saybolt representative
Name:
Rank: Saybolt Inspector