

PUERTO RICO ELECTRIC (B/R) POWER AUTHORITY
P.O. BOX 4267
00936 SAN JUAN
Puerto Rico
Mr. M. Rios
YB-TANKINVENTORY-2-28 / 06708



Job No 13101/00016991.0000/01/I/23
Report date 01 Mar 2023
Installation Yabucoa, Puerto Rico, PREPA Yabucoa Turbine Power Block

Shore tank YB-INVENTORY-2-28
Product Fuel Oil No. 2 (ULSD)

Survey date: 28-Feb-2023

Contents page

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
Certificate of Quantity	one

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: Jose Flores

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: 28-Feb-2023

Shore tank S-1

Measurement data (Innage)		Open	Close
Average	FT/IN	36-2 3/8	
Temperature			
Average temp.	°F	79.7	
Measurement Equipment Data			
Water measurement used		Paste	
Water paste used		k/k	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS50972	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP7D-36697	
Inspector Equipment used for verification?		Yes	
Inspector name		J.Flores	

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Shore Tank Measurement Details

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Shore tank S-2

Measurement data (Innage)		Open	Close
Average	FT/IN	25-5 1/8	
Temperature			
Average temp.	°F	80.1	
Measurement Equipment Data			
Water measurement used		Paste	
Water paste used		k/k	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS50972	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP7D-36697	
Inspector Equipment used for verification?		Yes	
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Shore Tank Inventory Report

Shore tank measurement		Totals	S-1	S-2
Open measurement				
Date/time of measurement			28 Feb 2023 1130	28 Feb 2023 1115
Average Innage	FT/IN		36-2 3/8	25-5 1/8
Average temp.	°F		79.7	80.1
T.O.V.	us gallons		259,710.00	372,461.00
Water	FT/IN			00-01
Water	us gallons			647.00
Ambient temp.	°F		82.00	82.00
Tank shell temp.	°F		80.00	80.00
CTsh			1.00025	1.00025
G.O.V.	us gallons		259,774.93	371,906.95
API 60°F			36.40	36.40
V.C.F.	6B		0.99077	0.99058
G.S.V.	us gallons 60°F		257,377.21	368,403.59
Table 8	MPMS 11.5.1.4.4		7.017325890	7.017325890
Pounds			1,806,099.76	2,585,208.05
Subtotals				
G.S.V.	us gallons 60°F	625,780.80	257,377.21	368,403.59
Pounds		4,391,307.81	1,806,099.76	2,585,208.05

Remarks

Tables used: 6B and W.C.F. MPMS 11.5.1.4.4.

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	2,368.838	974.279	1,394.559
Barrels 60°F	14,899.54	6,128.03	8,771.51
US gallons 60°F	625,780.80	257,377.21	368,403.59
Metric Tons Vac	1,994.404	820.278	1,174.126
Metric Tons Air	1,991.863	819.233	1,172.630
Long Tons Air	1,960.406	806.295	1,154.111
Short Tons Air	2,195.654	903.050	1,292.604
Pounds Air	4,391,307.81	1,806,099.76	2,585,208.05
Density 15°C		0.8423	0.8423
API 60°F		36.40	36.40
RD 60/60°		0.8428	0.8428
Total Calculated Volume			
Barrels 60°F	14,914.94	6,128.03	8,786.91
US gallons 60°F	626,427.80	257,377.21	369,050.59

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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	2,368.838	2,368.838
Barrels 60°F	14,899.54	14,899.54
US Gallons 60°F	625,780.80	625,780.80
Metric Tons vac	1,994.404	1,994.404
Metric Tons air	1,991.863	1,991.863
Long Tons	1,960.406	1,960.406
Short Tons	2,195.654	2,195.654
Pounds	4,391,307.81	4,391,307.81

These quantities have been determined by measurement of shore tanks.

B/L API 60°F	36.40
B/L Density 15°C	0.8423
B/L Density 20°C	0.8388
B/L RD 60/60°F	0.8428

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	1.001275667
Pounds to Metric Tons Air	MPMS 11.5 - Annex D	453.59237
Pounds to Long Tons	MPMS 11.5 - Annex D	2,240
Pounds to Short Tons	MPMS 11.5 - Annex D	2,000

Remark

Net via S&W Volume %

Signed by: Saybolt representative
Name:
Rank: Saybolt Inspector