

PUERTO RICO ELECTRIC (B/R) POWER AUTHORITY
P.O. BOX 4267
00936 SAN JUAN
Puerto Rico
Mr. M. Rios
MAY-TANK INVENTORY-2-22 / 06071



Job No 13101/00016547.0000/01/I/22
Report date 04 Mar 2022
Installation Mayagüez, Puerto Rico, Central Mayaguez Terminal

Shore tank MAY-TANK INVENTORY-2-22
Product No 2 FUEL OIL

Survey date: 28-Feb-2022

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:

Title	Number of Pages
Contents page	one
Shore Tank Measurement Details	four
Shore Tank Inventory Report	one
Shore Tank Inventory Subtotals	one
Certificate of Quantity	one

This report consists of 8 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

Shore tank D-1

Measurement data (Innage)		Open	Close
Average	FT/IN	32-6 1/4	
Temperature			
Average temp.	°F	79.9	
Measurement Equipment Data			
Water measurement used		Open Paste	
Water paste used		K/K	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS 51065	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP 8-1930	
Inspector Equipment used for verification?		Yes	
Inspector name		Daviel Borrero	

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Shore Tank Measurement Details

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Shore tank D-2

Measurement data (Innage)		Open	Close
Average	FT/IN	26-8-15/16	
Temperature			
Average temp.	°F	80.3	
Measurement Equipment Data			
Water measurement used		Open Paste	
Water paste used		K/K	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS 51065	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP 8-1930	
Inspector Equipment used for verification?		Yes	
Inspector name		Daviel Borrero	

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Shore Tank Measurement Details

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Shore tank D-3

Measurement data (Innage)		Open	Close
Average	FT/IN	35-8-1/4	
Temperature			
Average temp.	°F	81.7	
Measurement Equipment Data			
Water measurement used		Open	
Water paste used		Paste	
Gauging equipment type		K/K	
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?		TP 8-1930	
Inspector name		Yes	
		Daviel Borrero	

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Shore Tank Measurement Details

Survey date: 28-Feb-2022

Shore tank D-4

Measurement data (Innage)		Open	Close
Average	FT/IN	16-8 3/8	
Temperature			
Average temp.	°F	76.4	
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		CS 51065	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP 8-1930	
Inspector Equipment used for verification?		Yes	
Inspector name		Daviel Borrero	

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Shore Tank Inventory Report

Survey date: 28-Feb-2022

Shore tank measurement		Totals	D-1	D-2	D-3	D-4
Open measurement						
Date/time of measurement		01 Mar 2022 00:00	28 Feb 2022 22:30	28 Feb 2022 22:50	28 Feb 2022 23:15	
Average Innage	FT/IN	32-6 1/4	26-8-15/16	35-8-1/4	16-8 3/8	
Average temp.	°F	79.9	80.3	81.7	76.4	
T.O.V.	Barrels	26,035.17	4,584.82	6,823.11	8,620.55	
Water	FT/IN	0-4				
Water	Barrels	482.21				
Ambient temp.	°F	71.00	71.00	71.00	71.00	
Tank shell temp.	°F	79.00	79.00	80.00	76.00	
CTsh		1.00024	1.00024	1.00025	1.00020	
G.O.V.	Barrels	25,559.09	4,585.92	6,824.82	8,622.27	
API 60°F		40.00	39.30	39.30	38.30	
V.C.F.	6B	0.99030	0.99018	0.98950	0.99234	
G.S.V.	barrels 60°F	25,311.17	4,540.89	6,753.16	8,556.22	
W.C.F.	MPMS 11.5.1.4.12	0.1288089996	0.1293376745	0.1293376745	0.1318895173	
W.C.F.	MPMS 11.5.1.4.15	0.1308759858	0.1314131443	0.1314131443	0.1340059363	
Long Tons		3,260.306	587.308	873.438	1,128.476	
Metric Tons Air		3,312.624	596.733	887.454	1,146.584	
Subtotals						
G.S.V.	barrels 60°F	45,161.44	25,311.17	4,540.89	6,753.16	8,556.22
Long Tons		5,849.528	3,260.306	587.308	873.438	1,128.476

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	D-1	D-2	D-3	D-4
Gross Standard Volume					
Cu m 60°F	7,180.096	4,024.155	721.944	1,073.667	1,360.330
Barrels 60°F	45,161.44	25,311.17	4,540.89	6,753.16	8,556.22
US gallons 60°F	1,896,780.48	1,063,069.14	190,717.38	283,632.72	359,361.24
Metric Tons Vac	5,951.111	3,316.951	597.509	888.608	1,148.043
Metric Tons Air	5,943.395	3,312.624	596.733	887.454	1,146.584
Long Tons Air	5,849.528	3,260.306	587.308	873.438	1,128.476
Short Tons Air	6,551.472	3,651.543	657.785	978.251	1,263.893
Pounds Air	13,102,944.00	7,303,086.00	1,315,570.00	1,956,502.00	2,527,786.00
Density 15°C		0.8247	0.8280	0.8280	0.8443
API 60°F		40.00	39.30	39.30	36.00
RD 60/60°		0.8251	0.8285	0.8285	0.8448
Total Calculated Volume					
Barrels 60°F	45,643.65	25,793.38	4,540.89	6,753.16	8,556.22
US gallons 60°F	1,917,033.30	1,083,321.96	190,717.38	283,632.72	359,361.24

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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	7,180.096	7,180.096
Barrels 60°F	45,161.44	45,161.44
US Gallons 60°F	1,896,780.48	1,896,780.48
Metric Tons vac	5,951.111	5,951.111
Metric Tons air	5,943.395	5,943.395
Long Tons	5,849.528	5,849.528
Short Tons	6,551.472	6,551.472
Pounds	13,102,944.00	13,102,944.00

These quantities have been determined by measurement of shore tanks.

B/L API 60°F	39.05
B/L Density 15°C	0.8293
B/L Density 20°C	0.8257
B/L RD 60/60°F	0.8297

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	1.001298046
Barrels 60°F to Metric Tons Air	MPMS 11.5.1 - 4.15	0.1316060552
Barrels 60°F to Long Tons	MPMS 11.5.1 - 4.12	0.1295275387
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