



BARGE "DBL 310"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-5/8	00-5/8	- 01-1/4	01-1/4	- 01-7/8	01-7/8	- 02-1/2	02-1/2	- 03-1/8	03-1/8	- 03-3/4	03-3/4
1 STBD	- 00-5/8	00-5/8	- 01-1/4	01-1/4	- 01-7/8	01-7/8	- 02-1/2	02-1/2	- 03-1/8	03-1/8	- 03-3/4	03-3/4
2 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8
3 PORT	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
3 STBD	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 213'-04"

February 19, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "DBL 310"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,917.34	0	1,581.91	0	1,246.49	0	917.31	0	587.00	0	251.58	0		0		0		0	
1/4	1,910.35	1/4	1,574.93	1/4	1,239.50	1/4	910.60	1/4	580.01	1/4	244.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,903.37	1/2	1,567.94	1/2	1,232.51	1/2	903.90	1/2	573.02	1/2	237.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,896.38	3/4	1,560.95	3/4	1,225.52	3/4	897.20	3/4	566.03	3/4	230.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,889.39	1	1,553.96	1	1,218.53	1	890.49	1	559.04	1	223.63	1	1	1	1	1	1	1	1
1/4	1,882.40	1/4	1,546.97	1/4	1,211.54	1/4	883.79	1/4	552.06	1/4	216.64	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,875.41	1/2	1,539.99	1/2	1,204.56	1/2	877.08	1/2	545.07	1/2	209.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,868.43	3/4	1,533.00	3/4	1,197.57	3/4	870.38	3/4	538.08	3/4	202.67	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,861.44	2	1,526.01	2	1,190.58	2	863.68	2	531.09	2	195.68	2	2	2	2	2	2	2	2
1/4	1,854.45	1/4	1,519.02	1/4	1,183.59	1/4	856.97	1/4	524.11	1/4	188.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,847.46	1/2	1,512.03	1/2	1,176.60	1/2	850.27	1/2	517.12	1/2	181.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,840.47	3/4	1,505.04	3/4	1,169.62	3/4	843.56	3/4	510.13	3/4	174.72	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,833.49	3	1,498.06	3	1,162.63	3	836.86	3	503.14	3	167.73	3	3	3	3	3	3	3	3
1/4	1,826.50	1/4	1,491.07	1/4	1,155.64	1/4	830.16	1/4	496.15	1/4	160.74	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,819.51	1/2	1,484.08	1/2	1,148.65	1/2	823.45	1/2	489.17	1/2	153.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,812.52	3/4	1,477.09	3/4	1,141.66	3/4	816.75	3/4	482.18	3/4	146.78	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,805.53	4	1,470.10	4	1,134.68	4	810.04	4	475.19	4	139.79	4	4	4	4	4	4	4	4
1/4	1,798.55	1/4	1,463.12	1/4	1,127.69	1/4	803.20	1/4	468.20	1/4	132.82	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,791.56	1/2	1,456.13	1/2	1,120.70	1/2	796.35	1/2	461.21	1/2	125.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,784.57	3/4	1,449.14	3/4	1,113.71	3/4	789.50	3/4	454.23	3/4	118.87	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,777.58	5	1,442.15	5	1,106.72	5	782.65	5	447.24	5	111.90	5	5	5	5	5	5	5	5
1/4	1,770.59	1/4	1,435.16	1/4	1,099.74	1/4	775.67	1/4	440.25	1/4	104.94	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,763.60	1/2	1,428.18	1/2	1,092.75	1/2	768.68	1/2	433.26	1/2	97.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,756.62	3/4	1,421.19	3/4	1,085.76	3/4	761.69	3/4	426.28	3/4	91.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,749.63	6	1,414.20	6	1,078.77	6	754.70	6	419.29	6	84.09	6	6	6	6	6	6	6	6
1/4	1,742.64	1/4	1,407.21	1/4	1,071.92	1/4	747.71	1/4	412.30	1/4	77.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,735.65	1/2	1,400.22	1/2	1,065.08	1/2	740.73	1/2	405.31	1/2	70.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,728.66	3/4	1,393.24	3/4	1,058.23	3/4	733.74	3/4	398.32	3/4	64.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,721.68	7	1,386.25	7	1,051.39	7	726.75	7	391.34	7	57.64	7	7	7	7	7	7	7	7
1/4	1,714.69	1/4	1,379.26	1/4	1,044.68	1/4	719.76	1/4	384.35	1/4	52.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,707.70	1/2	1,372.27	1/2	1,037.98	1/2	712.78	1/2	377.36	1/2	46.46	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,700.71	3/4	1,365.28	3/4	1,031.28	3/4	705.79	3/4	370.37	3/4	40.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,693.72	8	1,358.29	8	1,024.57	8	698.80	8	363.39	8	35.29	8	8	8	8	8	8	8	8
1/4	1,686.74	1/4	1,351.31	1/4	1,017.87	1/4	691.81	1/4	356.40	1/4	31.09	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,679.75	1/2	1,344.32	1/2	1,011.16	1/2	684.82	1/2	349.41	1/2	26.90	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,672.76	3/4	1,337.33	3/4	1,004.46	3/4	677.84	3/4	342.42	3/4	22.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,665.77	9	1,330.34	9	997.76	9	670.85	9	335.43	9	18.52	9	9	9	9	9	9	9	9
1/4	1,658.78	1/4	1,323.35	1/4	991.05	1/4	663.86	1/4	328.45	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,651.80	1/2	1,316.37	1/2	984.35	1/2	656.87	1/2	321.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,644.81	3/4	1,309.38	3/4	977.64	3/4	649.89	3/4	314.47	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,637.82	10	1,302.39	10	970.94	10	642.90	10	307.48	10		10	10	10	10	10	10	10	10
1/4	1,630.83	1/4	1,295.40	1/4	964.24	1/4	635.91	1/4	300.50	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,623.84	1/2	1,288.41	1/2	957.53	1/2	628.92	1/2	293.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,616.85	3/4	1,281.43	3/4	950.83	3/4	621.93	3/4	286.52	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,609.87	11	1,274.44	11	944.12	11	614.95	11	279.53	11		11	11	11	11	11	11	11	11
1/4	1,602.88	1/4	1,267.45	1/4	937.42	1/4	607.96	1/4	272.54	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,595.89	1/2	1,260.46	1/2	930.72	1/2	600.97	1/2	265.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,588.90	3/4	1,253.47	3/4	924.01	3/4	593.98	3/4	258.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/19/2019 SW - JS
CALCULATED: 02/19/2019 CL
PRINTED: 02/19/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "DBL 310"

**1 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,896.73	0	1,562.61	0	1,228.50	0	905.27	0	579.13	0	244.31	0		0		0		0	
1/4	1,889.77	1/4	1,555.65	1/4	1,221.53	1/4	898.73	1/4	572.15	1/4	237.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,882.81	1/2	1,548.69	1/2	1,214.57	1/2	892.19	1/2	565.18	1/2	230.36	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,875.85	3/4	1,541.73	3/4	1,207.61	3/4	885.65	3/4	558.20	3/4	223.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,868.89	1	1,534.77	1	1,200.65	1	879.11	1	551.23	1	216.41	1	1	1	1	1	1	1	1
1/4	1,861.93	1/4	1,527.81	1/4	1,193.69	1/4	872.57	1/4	544.25	1/4	209.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,854.97	1/2	1,520.85	1/2	1,186.73	1/2	866.03	1/2	537.28	1/2	202.46	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,848.01	3/4	1,513.89	3/4	1,179.77	3/4	859.49	3/4	530.30	3/4	195.49	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,841.05	2	1,506.93	2	1,172.81	2	852.95	2	523.33	2	188.51	2	2	2	2	2	2	2	2
1/4	1,834.08	1/4	1,499.97	1/4	1,165.85	1/4	846.41	1/4	516.35	1/4	181.54	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,827.12	1/2	1,493.01	1/2	1,158.89	1/2	839.87	1/2	509.38	1/2	174.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,820.16	3/4	1,486.04	3/4	1,151.93	3/4	833.33	3/4	502.40	3/4	167.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,813.20	3	1,479.08	3	1,144.97	3	826.79	3	495.43	3	160.62	3	3	3	3	3	3	3	3
1/4	1,806.24	1/4	1,472.12	1/4	1,138.00	1/4	820.25	1/4	488.45	1/4	153.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,799.28	1/2	1,465.16	1/2	1,131.04	1/2	813.71	1/2	481.48	1/2	146.67	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,792.32	3/4	1,458.20	3/4	1,124.08	3/4	807.17	3/4	474.50	3/4	139.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,785.36	4	1,451.24	4	1,117.12	4	800.57	4	467.52	4	132.74	4	4	4	4	4	4	4	4
1/4	1,778.40	1/4	1,444.28	1/4	1,110.16	1/4	793.97	1/4	460.55	1/4	125.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,771.44	1/2	1,437.32	1/2	1,103.20	1/2	787.37	1/2	453.57	1/2	118.82	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,764.48	3/4	1,430.36	3/4	1,096.24	3/4	780.77	3/4	446.60	3/4	111.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,757.52	5	1,423.40	5	1,089.28	5	773.96	5	439.62	5	104.91	5	5	5	5	5	5	5	5
1/4	1,750.56	1/4	1,416.44	1/4	1,082.32	1/4	767.14	1/4	432.65	1/4	97.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,743.59	1/2	1,409.48	1/2	1,075.36	1/2	760.33	1/2	425.67	1/2	91.02	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,736.63	3/4	1,402.52	3/4	1,068.40	3/4	753.51	3/4	418.70	3/4	84.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,729.67	6	1,395.55	6	1,061.44	6	746.54	6	411.72	6	77.12	6	6	6	6	6	6	6	6
1/4	1,722.71	1/4	1,388.59	1/4	1,054.48	1/4	739.56	1/4	404.75	1/4	70.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,715.75	1/2	1,381.63	1/2	1,047.52	1/2	732.59	1/2	397.77	1/2	63.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,708.79	3/4	1,374.67	3/4	1,040.56	3/4	725.61	3/4	390.80	3/4	56.21	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,701.83	7	1,367.71	7	1,033.60	7	718.64	7	383.82	7	49.24	7	7	7	7	7	7	7	7
1/4	1,694.87	1/4	1,360.75	1/4	1,026.64	1/4	711.66	1/4	376.85	1/4	42.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,687.91	1/2	1,353.79	1/2	1,019.68	1/2	704.68	1/2	369.87	1/2	35.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,680.95	3/4	1,346.83	3/4	1,012.72	3/4	697.71	3/4	362.89	3/4	28.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,673.99	8	1,339.87	8	1,005.76	8	690.73	8	355.92	8	21.36	8	8	8	8	8	8	8	8
1/4	1,667.03	1/4	1,332.91	1/4	998.80	1/4	683.76	1/4	348.94	1/4	14.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,660.06	1/2	1,325.95	1/2	991.84	1/2	676.78	1/2	341.97	1/2	7.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,653.10	3/4	1,318.99	3/4	984.88	3/4	669.81	3/4	334.99	3/4	0.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,646.14	9	1,312.02	9	977.92	9	662.83	9	328.02	9		9	9	9	9	9	9	9	9
1/4	1,639.18	1/4	1,305.06	1/4	970.96	1/4	655.86	1/4	321.04	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,632.22	1/2	1,298.10	1/2	964.00	1/2	648.88	1/2	314.07	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,625.26	3/4	1,291.14	3/4	957.04	3/4	641.91	3/4	307.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,618.30	10	1,284.18	10	950.08	10	634.93	10	300.12	10		10	10	10	10	10	10	10	10
1/4	1,611.34	1/4	1,277.22	1/4	943.12	1/4	627.96	1/4	293.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,604.38	1/2	1,270.26	1/2	936.16	1/2	620.98	1/2	286.17	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,597.42	3/4	1,263.30	3/4	929.20	3/4	614.01	3/4	279.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,590.46	11	1,256.34	11	922.24	11	607.03	11	272.22	11		11	11	11	11	11	11	11	11
1/4	1,583.50	1/4	1,249.38	1/4	915.28	1/4	600.06	1/4	265.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,576.54	1/2	1,242.42	1/2	908.32	1/2	593.08	1/2	258.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,569.57	3/4	1,235.46	3/4	901.36	3/4	586.10	3/4	251.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/19/2019 SW - JS
CALCULATED: 02/19/2019 CL
PRINTED: 02/19/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "DBL 310"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,598.61	1/4	1,320.46	1/4	1,042.32	1/4	764.52	1/4	486.81	1/4	208.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,592.81	1/2	1,314.67	1/2	1,036.52	1/2	758.75	1/2	481.01	1/2	202.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,587.02	3/4	1,308.87	3/4	1,030.73	3/4	752.97	3/4	475.22	3/4	197.09	3/4		3/4		3/4		3/4		3/4	
1	1,581.23	1	1,303.08	1	1,024.93	1	747.20	1	469.42	1	191.29	1		1		1		1		1	
1/4	1,575.43	1/4	1,297.29	1/4	1,019.14	1/4	741.42	1/4	463.63	1/4	185.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,569.64	1/2	1,291.49	1/2	1,013.34	1/2	735.65	1/2	457.83	1/2	179.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,563.84	3/4	1,285.70	3/4	1,007.55	3/4	729.87	3/4	452.04	3/4	173.91	3/4		3/4		3/4		3/4		3/4	
2	1,558.05	2	1,279.90	2	1,001.76	2	724.10	2	446.24	2	168.11	2		2		2		2		2	
1/4	1,552.25	1/4	1,274.11	1/4	995.96	1/4	718.32	1/4	440.45	1/4	162.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,546.46	1/2	1,268.31	1/2	990.17	1/2	712.54	1/2	434.66	1/2	156.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,540.66	3/4	1,262.52	3/4	984.37	3/4	706.77	3/4	428.86	3/4	150.73	3/4		3/4		3/4		3/4		3/4	
3	1,534.87	3	1,256.72	3	978.58	3	700.99	3	423.07	3	144.94	3		3		3		3		3	
1/4	1,529.07	1/4	1,250.93	1/4	972.78	1/4	695.22	1/4	417.27	1/4	139.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,523.28	1/2	1,245.13	1/2	966.99	1/2	689.44	1/2	411.48	1/2	133.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,517.48	3/4	1,239.34	3/4	961.19	3/4	683.67	3/4	405.68	3/4	127.56	3/4		3/4		3/4		3/4		3/4	
4	1,511.69	4	1,233.54	4	955.40	4	677.89	4	399.89	4	121.77	4		4		4		4		4	
1/4	1,505.89	1/4	1,227.75	1/4	949.60	1/4	672.12	1/4	394.10	1/4	115.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,500.10	1/2	1,221.95	1/2	943.81	1/2	666.34	1/2	388.30	1/2	110.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,494.30	3/4	1,216.16	3/4	938.01	3/4	660.57	3/4	382.51	3/4	104.41	3/4		3/4		3/4		3/4		3/4	
5	1,488.51	5	1,210.36	5	932.22	5	654.79	5	376.71	5	98.63	5		5		5		5		5	
1/4	1,482.72	1/4	1,204.57	1/4	926.42	1/4	649.01	1/4	370.92	1/4	92.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,476.92	1/2	1,198.78	1/2	920.63	1/2	643.23	1/2	365.12	1/2	87.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,471.13	3/4	1,192.98	3/4	914.83	3/4	637.44	3/4	359.33	3/4	81.32	3/4		3/4		3/4		3/4		3/4	
6	1,465.33	6	1,187.19	6	909.04	6	631.66	6	353.53	6	75.55	6		6		6		6		6	
1/4	1,459.54	1/4	1,181.39	1/4	903.25	1/4	625.87	1/4	347.74	1/4	69.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,453.74	1/2	1,175.60	1/2	897.45	1/2	620.08	1/2	341.95	1/2	64.30	1/2		1/2		1/2		1/2		1/2	
3/4	1,447.95	3/4	1,169.80	3/4	891.66	3/4	614.28	3/4	336.15	3/4	58.82	3/4		3/4		3/4		3/4		3/4	
7	1,442.15	7	1,164.01	7	885.86	7	608.49	7	330.36	7	53.34	7		7		7		7		7	
1/4	1,436.36	1/4	1,158.21	1/4	880.07	1/4	602.69	1/4	324.56	1/4	47.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,430.56	1/2	1,152.42	1/2	874.28	1/2	596.90	1/2	318.77	1/2	43.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,424.77	3/4	1,146.62	3/4	868.50	3/4	591.10	3/4	312.97	3/4	38.59	3/4		3/4		3/4		3/4		3/4	
8	1,418.97	8	1,140.83	8	862.71	8	585.31	8	307.18	8	33.95	8		8		8		8		8	
1/4	1,413.18	1/4	1,135.03	1/4	856.93	1/4	579.52	1/4	301.38	1/4	29.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,407.38	1/2	1,129.24	1/2	851.15	1/2	573.72	1/2	295.59	1/2	25.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,401.59	3/4	1,123.44	3/4	845.38	3/4	567.93	3/4	289.80	3/4	22.37	3/4		3/4		3/4		3/4		3/4	
9	1,395.80	9	1,117.65	9	839.60	9	562.13	9	284.00	9	18.89	9		9		9		9		9	
1/4	1,390.00	1/4	1,111.85	1/4	833.83	1/4	556.34	1/4	278.21	1/4	15.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,384.21	1/2	1,106.06	1/2	828.05	1/2	550.54	1/2	272.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,378.41	3/4	1,100.27	3/4	822.28	3/4	544.75	3/4	266.62	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,372.62	10	1,094.47	10	816.50	10	538.96	10	260.82	10		10		10		10		10		10	
1/4	1,366.82	1/4	1,088.68	1/4	810.73	1/4	533.16	1/4	255.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,361.03	1/2	1,082.88	1/2	804.95	1/2	527.37	1/2	249.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,355.23	3/4	1,077.09	3/4	799.18	3/4	521.57	3/4	243.44	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,349.44	11	1,071.29	11	793.40	11	515.78	11	237.65	11		11		11		11		11		11	
1/4	1,343.64	1/4	1,065.50	1/4	787.63	1/4	509.98	1/4	231.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,337.85	1/2	1,059.70	1/2	781.85	1/2	504.19	1/2	226.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,332.05	3/4	1,053.91	3/4	776.07	3/4	498.39	3/4	220.26	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/19/2019 SW - JS
CALCULATED: 02/19/2019 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "DBL 310"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	4,037.95	0	3,798.56	0	3,535.19	0	3,259.23	0	2,980.96	0	2,702.68	0	2,424.41	0	2,146.13	0	1,867.86	
1/4	1/4	4,034.73	1/4	3,793.22	1/4	3,529.55	1/4	3,253.44	1/4	2,975.16	1/4	2,696.88	1/4	2,418.61	1/4	2,140.33	1/4	1,862.06	
1/2	1/2	4,031.52	1/2	3,787.89	1/2	3,523.91	1/2	3,247.64	1/2	2,969.36	1/2	2,691.09	1/2	2,412.81	1/2	2,134.54	1/2	1,856.26	
3/4	3/4	4,028.30	3/4	3,782.55	3/4	3,518.26	3/4	3,241.84	3/4	2,963.57	3/4	2,685.29	3/4	2,407.01	3/4	2,128.74	3/4	1,850.46	
1	1	4,024.25	1	3,777.19	1	3,512.60	1	3,236.04	1	2,957.77	1	2,679.49	1	2,401.22	1	2,122.94	1	1,844.67	
1/4	1/4	4,020.20	1/4	3,771.83	1/4	3,506.93	1/4	3,230.25	1/4	2,951.97	1/4	2,673.70	1/4	2,395.42	1/4	2,117.14	1/4	1,838.87	
1/2	1/2	4,016.15	1/2	3,766.47	1/2	3,501.27	1/2	3,224.45	1/2	2,946.17	1/2	2,667.90	1/2	2,389.62	1/2	2,111.35	1/2	1,833.07	
3/4	3/4	4,012.11	3/4	3,761.11	3/4	3,495.60	3/4	3,218.65	3/4	2,940.38	3/4	2,662.10	3/4	2,383.83	3/4	2,105.55	3/4	1,827.27	
2	2	4,007.21	2	3,755.73	2	3,489.92	2	3,212.85	2	2,934.58	2	2,656.30	2	2,378.03	2	2,099.75	2	1,821.48	
1/4	1/4	4,002.30	1/4	3,750.35	1/4	3,484.23	1/4	3,207.06	1/4	2,928.78	1/4	2,650.51	1/4	2,372.23	1/4	2,093.96	1/4	1,815.68	
1/2	1/2	3,997.40	1/2	3,744.97	1/2	3,478.54	1/2	3,201.26	1/2	2,922.98	1/2	2,644.71	1/2	2,366.43	1/2	2,088.16	1/2	1,809.88	
3/4	3/4	3,992.50	3/4	3,739.59	3/4	3,472.85	3/4	3,195.46	3/4	2,917.19	3/4	2,638.91	3/4	2,360.64	3/4	2,082.36	3/4	1,804.09	
3	3	3,987.25	3	3,734.19	3	3,467.15	3	3,189.66	3	2,911.39	3	2,633.11	3	2,354.84	3	2,076.56	3	1,798.29	
1/4	1/4	3,982.01	1/4	3,728.79	1/4	3,461.44	1/4	3,183.87	1/4	2,905.59	1/4	2,627.32	1/4	2,349.04	1/4	2,070.77	1/4	1,792.49	
1/2	1/2	3,976.76	1/2	3,723.38	1/2	3,455.73	1/2	3,178.07	1/2	2,899.79	1/2	2,621.52	1/2	2,343.24	1/2	2,064.97	1/2	1,786.69	
3/4	3/4	3,971.52	3/4	3,717.98	3/4	3,450.02	3/4	3,172.27	3/4	2,894.00	3/4	2,615.72	3/4	2,337.45	3/4	2,059.17	3/4	1,780.90	
4	4	3,966.36	4	3,712.56	4	3,444.29	4	3,166.47	4	2,888.20	4	2,609.92	4	2,331.65	4	2,053.37	4	1,775.10	
1/4	1/4	3,961.19	1/4	3,707.14	1/4	3,438.55	1/4	3,160.68	1/4	2,882.40	1/4	2,604.13	1/4	2,325.85	1/4	2,047.58	1/4	1,769.30	
1/2	1/2	3,956.03	1/2	3,701.71	1/2	3,432.82	1/2	3,154.88	1/2	2,876.60	1/2	2,598.33	1/2	2,320.05	1/2	2,041.78	1/2	1,763.50	
3/4	3/4	3,950.87	3/4	3,696.29	3/4	3,427.09	3/4	3,149.08	3/4	2,870.81	3/4	2,592.53	3/4	2,314.26	3/4	2,035.98	3/4	1,757.71	
5	5	3,945.69	5	3,690.82	5	3,421.34	5	3,143.28	5	2,865.01	5	2,586.73	5	2,308.46	5	2,030.18	5	1,751.91	
1/4	1/4	3,940.51	1/4	3,685.35	1/4	3,415.59	1/4	3,137.49	1/4	2,859.21	1/4	2,580.94	1/4	2,302.66	1/4	2,024.39	1/4	1,746.11	
1/2	1/2	3,935.32	1/2	3,679.89	1/2	3,409.83	1/2	3,131.69	1/2	2,853.41	1/2	2,575.14	1/2	2,296.86	1/2	2,018.59	1/2	1,740.31	
3/4	3/4	3,930.14	3/4	3,674.42	3/4	3,404.08	3/4	3,125.89	3/4	2,847.62	3/4	2,569.34	3/4	2,291.07	3/4	2,012.79	3/4	1,734.52	
6	6	3,924.94	6	3,668.91	6	3,398.30	6	3,120.10	6	2,841.82	6	2,563.54	6	2,285.27	6	2,006.99	6	1,728.72	
1/4	1/4	3,919.73	1/4	3,663.40	1/4	3,392.53	1/4	3,114.30	1/4	2,836.02	1/4	2,557.75	1/4	2,279.47	1/4	2,001.20	1/4	1,722.92	
1/2	1/2	3,914.53	1/2	3,657.89	1/2	3,386.75	1/2	3,108.50	1/2	2,830.23	1/2	2,551.95	1/2	2,273.67	1/2	1,995.40	1/2	1,717.12	
3/4	3/4	3,909.32	3/4	3,652.38	3/4	3,380.98	3/4	3,102.70	3/4	2,824.43	3/4	2,546.15	3/4	2,267.88	3/4	1,989.60	3/4	1,711.33	
7	7	3,904.09	7	3,646.84	7	3,375.18	7	3,096.91	7	2,818.63	7	2,540.36	7	2,262.08	7	1,983.80	7	1,705.53	
1/4	1/4	3,898.87	1/4	3,641.31	1/4	3,369.38	1/4	3,091.11	1/4	2,812.83	1/4	2,534.56	1/4	2,256.28	1/4	1,978.01	1/4	1,699.73	
1/2	1/2	3,893.64	1/2	3,635.78	1/2	3,363.59	1/2	3,085.31	1/2	2,807.04	1/2	2,528.76	1/2	2,250.49	1/2	1,972.21	1/2	1,693.93	
3/4	3/4	3,888.41	3/4	3,630.24	3/4	3,357.79	3/4	3,079.51	3/4	2,801.24	3/4	2,522.96	3/4	2,244.69	3/4	1,966.41	3/4	1,688.14	
8	8	3,883.16	8	3,624.69	8	3,351.99	8	3,073.72	8	2,795.44	8	2,517.17	8	2,238.89	8	1,960.62	8	1,682.34	
1/4	1/4	3,877.91	1/4	3,619.13	1/4	3,346.19	1/4	3,067.92	1/4	2,789.64	1/4	2,511.37	1/4	2,233.09	1/4	1,954.82	1/4	1,676.54	
1/2	1/2	3,872.67	1/2	3,613.58	1/2	3,340.40	1/2	3,062.12	1/2	2,783.85	1/2	2,505.57	1/2	2,227.30	1/2	1,949.02	1/2	1,670.75	
3/4	3/4	3,867.42	3/4	3,608.02	3/4	3,334.60	3/4	3,056.32	3/4	2,778.05	3/4	2,499.77	3/4	2,221.50	3/4	1,943.22	3/4	1,664.95	
9	9	3,862.15	9	3,602.45	9	3,328.80	9	3,050.53	9	2,772.25	9	2,493.98	9	2,215.70	9	1,937.43	9	1,659.15	
1/4	1/4	3,856.87	1/4	3,596.87	1/4	3,323.00	1/4	3,044.73	1/4	2,766.45	1/4	2,488.18	1/4	2,209.90	1/4	1,931.63	1/4	1,653.35	
1/2	1/2	3,851.60	1/2	3,591.29	1/2	3,317.21	1/2	3,038.93	1/2	2,760.66	1/2	2,482.38	1/2	2,204.11	1/2	1,925.83	1/2	1,647.56	
3/4	3/4	3,846.33	3/4	3,585.72	3/4	3,311.41	3/4	3,033.13	3/4	2,754.86	3/4	2,476.58	3/4	2,198.31	3/4	1,920.03	3/4	1,641.76	
10	10	3,841.04	10	3,580.12	10	3,305.61	10	3,027.34	10	2,749.06	10	2,470.79	10	2,192.51	10	1,914.24	10	1,635.96	
1/4	1/4	3,835.75	1/4	3,574.52	1/4	3,299.81	1/4	3,021.54	1/4	2,743.26	1/4	2,464.99	1/4	2,186.71	1/4	1,908.44	1/4	1,630.16	
1/2	1/2	3,830.45	1/2	3,568.92	1/2	3,294.02	1/2	3,015.74	1/2	2,737.47	1/2	2,459.19	1/2	2,180.92	1/2	1,902.64	1/2	1,624.37	
3/4	3/4	3,825.16	3/4	3,563.32	3/4	3,288.22	3/4	3,009.94	3/4	2,731.67	3/4	2,453.39	3/4	2,175.12	3/4	1,896.84	3/4	1,618.57	
11	11	3,819.84	11	3,557.70	11	3,282.42	11	3,004.15	11	2,725.87	11	2,447.60	11	2,169.32	11	1,891.05	11	1,612.77	
1/4	1/4	3,814.53	1/4	3,552.08	1/4	3,276.62	1/4	2,998.35	1/4	2,720.07	1/4	2,441.80	1/4	2,163.52	1/4	1,885.25	1/4	1,606.97	
1/2	1/2	3,809.21	1/2	3,546.46	1/2	3,270.83	1/2	2,992.55	1/2	2,714.28	1/2	2,436.00	1/2	2,157.73	1/2	1,879.45	1/2	1,601.18	
3/4	3/4	3,803.90	3/4	3,540.84	3/4	3,265.03	3/4	2,986.75	3/4	2,708.48	3/4	2,430.20	3/4	2,151.93	3/4	1,873.65	3/4	1,595.38	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 35'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>





BARGE "DBL 310"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,589.58	0	1,311.31	0	1,033.03	0	757.43	0	481.24	0	202.97	0		0		0		0	
1/4	1,583.78	1/4	1,305.51	1/4	1,027.23	1/4	751.74	1/4	475.44	1/4	197.18	1/4		1/4		1/4		1/4	
1/2	1,577.99	1/2	1,299.71	1/2	1,021.44	1/2	746.04	1/2	469.64	1/2	191.38	1/2		1/2		1/2		1/2	
3/4	1,572.19	3/4	1,293.91	3/4	1,015.64	3/4	740.34	3/4	463.84	3/4	185.58	3/4		3/4		3/4		3/4	
1	1,566.39	1	1,288.12	1	1,009.84	1	734.65	1	458.05	1	179.79	1		1		1		1	
1/4	1,560.59	1/4	1,282.32	1/4	1,004.04	1/4	728.95	1/4	452.25	1/4	173.99	1/4		1/4		1/4		1/4	
1/2	1,554.80	1/2	1,276.52	1/2	998.25	1/2	723.26	1/2	446.45	1/2	168.19	1/2		1/2		1/2		1/2	
3/4	1,549.00	3/4	1,270.72	3/4	992.45	3/4	717.56	3/4	440.66	3/4	162.39	3/4		3/4		3/4		3/4	
2	1,543.20	2	1,264.93	2	986.65	2	711.86	2	434.86	2	156.60	2		2		2		2	
1/4	1,537.40	1/4	1,259.13	1/4	980.85	1/4	706.17	1/4	429.06	1/4	150.80	1/4		1/4		1/4		1/4	
1/2	1,531.61	1/2	1,253.33	1/2	975.06	1/2	700.47	1/2	423.26	1/2	145.00	1/2		1/2		1/2		1/2	
3/4	1,525.81	3/4	1,247.53	3/4	969.26	3/4	694.77	3/4	417.47	3/4	139.21	3/4		3/4		3/4		3/4	
3	1,520.01	3	1,241.74	3	963.46	3	689.08	3	411.67	3	133.41	3		3		3		3	
1/4	1,514.22	1/4	1,235.94	1/4	957.66	1/4	683.38	1/4	405.87	1/4	127.62	1/4		1/4		1/4		1/4	
1/2	1,508.42	1/2	1,230.14	1/2	951.87	1/2	677.68	1/2	400.08	1/2	121.83	1/2		1/2		1/2		1/2	
3/4	1,502.62	3/4	1,224.35	3/4	946.07	3/4	671.99	3/4	394.28	3/4	116.03	3/4		3/4		3/4		3/4	
4	1,496.82	4	1,218.55	4	940.27	4	666.29	4	388.48	4	110.25	4		4		4		4	
1/4	1,491.03	1/4	1,212.75	1/4	934.48	1/4	660.58	1/4	382.68	1/4	104.46	1/4		1/4		1/4		1/4	
1/2	1,485.23	1/2	1,206.95	1/2	928.68	1/2	654.88	1/2	376.89	1/2	98.68	1/2		1/2		1/2		1/2	
3/4	1,479.43	3/4	1,201.16	3/4	922.88	3/4	649.18	3/4	371.09	3/4	92.89	3/4		3/4		3/4		3/4	
5	1,473.63	5	1,195.36	5	917.13	5	643.42	5	365.29	5	87.12	5		5		5		5	
1/4	1,467.84	1/4	1,189.56	1/4	911.37	1/4	637.67	1/4	359.50	1/4	81.35	1/4		1/4		1/4		1/4	
1/2	1,462.04	1/2	1,183.76	1/2	905.62	1/2	631.92	1/2	353.70	1/2	75.59	1/2		1/2		1/2		1/2	
3/4	1,456.24	3/4	1,177.97	3/4	899.87	3/4	626.16	3/4	347.90	3/4	69.82	3/4		3/4		3/4		3/4	
6	1,450.44	6	1,172.17	6	894.17	6	620.37	6	342.10	6	64.33	6		6		6		6	
1/4	1,444.65	1/4	1,166.37	1/4	888.46	1/4	614.57	1/4	336.31	1/4	58.85	1/4		1/4		1/4		1/4	
1/2	1,438.85	1/2	1,160.57	1/2	882.76	1/2	608.77	1/2	330.51	1/2	53.36	1/2		1/2		1/2		1/2	
3/4	1,433.05	3/4	1,154.78	3/4	877.06	3/4	602.97	3/4	324.71	3/4	47.88	3/4		3/4		3/4		3/4	
7	1,427.25	7	1,148.98	7	871.36	7	597.18	7	318.92	7	43.24	7		7		7		7	
1/4	1,421.46	1/4	1,143.18	1/4	865.67	1/4	591.38	1/4	313.12	1/4	38.61	1/4		1/4		1/4		1/4	
1/2	1,415.66	1/2	1,137.38	1/2	859.97	1/2	585.58	1/2	307.32	1/2	33.97	1/2		1/2		1/2		1/2	
3/4	1,409.86	3/4	1,131.59	3/4	854.27	3/4	579.79	3/4	301.53	3/4	29.33	3/4		3/4		3/4		3/4	
8	1,404.06	8	1,125.79	8	848.58	8	573.99	8	295.73	8	25.86	8		8		8		8	
1/4	1,398.27	1/4	1,119.99	1/4	842.88	1/4	568.19	1/4	289.93	1/4	22.38	1/4		1/4		1/4		1/4	
1/2	1,392.47	1/2	1,114.19	1/2	837.18	1/2	562.39	1/2	284.13	1/2	18.90	1/2		1/2		1/2		1/2	
3/4	1,386.67	3/4	1,108.40	3/4	831.49	3/4	556.60	3/4	278.34	3/4	15.42	3/4		3/4		3/4		3/4	
9	1,380.88	9	1,102.60	9	825.79	9	550.80	9	272.54	9		9		9		9		9	
1/4	1,375.08	1/4	1,096.80	1/4	820.09	1/4	545.00	1/4	266.74	1/4		1/4		1/4		1/4		1/4	
1/2	1,369.28	1/2	1,091.01	1/2	814.40	1/2	539.21	1/2	260.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,363.48	3/4	1,085.21	3/4	808.70	3/4	533.41	3/4	255.15	3/4		3/4		3/4		3/4		3/4	
10	1,357.69	10	1,079.41	10	803.00	10	527.61	10	249.35	10		10		10		10		10	
1/4	1,351.89	1/4	1,073.61	1/4	797.31	1/4	521.82	1/4	243.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,346.09	1/2	1,067.82	1/2	791.61	1/2	516.02	1/2	237.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,340.29	3/4	1,062.02	3/4	785.92	3/4	510.22	3/4	231.96	3/4		3/4		3/4		3/4		3/4	
11	1,334.50	11	1,056.22	11	780.22	11	504.42	11	226.16	11		11		11		11		11	
1/4	1,328.70	1/4	1,050.42	1/4	774.52	1/4	498.63	1/4	220.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,322.90	1/2	1,044.63	1/2	768.83	1/2	492.83	1/2	214.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,317.10	3/4	1,038.83	3/4	763.13	3/4	487.03	3/4	208.77	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/19/2019 SW - JS
CALCULATED: 02/19/2019 CL
PRINTED: 02/19/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "DBL 310"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,585.37	0	1,308.52	0	1,031.68	0	755.28	0	478.77	0	201.94	0		0		0		0	
1/4	1,579.60	1/4	1,302.75	1/4	1,025.91	1/4	749.53	1/4	473.00	1/4	196.17	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,573.83	1/2	1,296.99	1/2	1,020.14	1/2	743.78	1/2	467.24	1/2	190.40	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,568.06	3/4	1,291.22	3/4	1,014.37	3/4	738.03	3/4	461.47	3/4	184.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,562.30	1	1,285.45	1	1,008.61	1	732.28	1	455.70	1	178.87	1	1	1	1	1	1	1	1
1/4	1,556.53	1/4	1,279.68	1/4	1,002.84	1/4	726.53	1/4	449.93	1/4	173.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,550.76	1/2	1,273.92	1/2	997.07	1/2	720.79	1/2	444.17	1/2	167.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,544.99	3/4	1,268.15	3/4	991.30	3/4	715.04	3/4	438.40	3/4	161.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,539.23	2	1,262.38	2	985.54	2	709.29	2	432.63	2	155.80	2	2	2	2	2	2	2	2
1/4	1,533.46	1/4	1,256.61	1/4	979.77	1/4	703.54	1/4	426.86	1/4	150.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,527.69	1/2	1,250.85	1/2	974.00	1/2	697.79	1/2	421.10	1/2	144.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,521.92	3/4	1,245.08	3/4	968.23	3/4	692.04	3/4	415.33	3/4	138.50	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,516.16	3	1,239.31	3	962.47	3	686.30	3	409.56	3	132.73	3	3	3	3	3	3	3	3
1/4	1,510.39	1/4	1,233.54	1/4	956.70	1/4	680.55	1/4	403.80	1/4	126.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,504.62	1/2	1,227.78	1/2	950.93	1/2	674.80	1/2	398.03	1/2	121.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,498.85	3/4	1,222.01	3/4	945.16	3/4	669.05	3/4	392.26	3/4	115.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,493.09	4	1,216.24	4	939.40	4	663.29	4	386.49	4	109.68	4	4	4	4	4	4	4	4
1/4	1,487.32	1/4	1,210.47	1/4	933.63	1/4	657.54	1/4	380.73	1/4	103.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,481.55	1/2	1,204.71	1/2	927.86	1/2	651.78	1/2	374.96	1/2	98.17	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,475.78	3/4	1,198.94	3/4	922.09	3/4	646.03	3/4	369.19	3/4	92.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,470.01	5	1,193.17	5	916.33	5	640.26	5	363.42	5	86.68	5	5	5	5	5	5	5	5
1/4	1,464.25	1/4	1,187.40	1/4	910.56	1/4	634.49	1/4	357.66	1/4	80.94	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,458.48	1/2	1,181.63	1/2	904.79	1/2	628.72	1/2	351.89	1/2	75.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,452.71	3/4	1,175.87	3/4	899.02	3/4	622.96	3/4	346.12	3/4	69.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,446.94	6	1,170.10	6	893.27	6	617.19	6	340.35	6	64.01	6	6	6	6	6	6	6	6
1/4	1,441.18	1/4	1,164.33	1/4	887.51	1/4	611.42	1/4	334.59	1/4	58.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,435.41	1/2	1,158.56	1/2	881.75	1/2	605.65	1/2	328.82	1/2	53.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,429.64	3/4	1,152.80	3/4	875.99	3/4	599.89	3/4	323.05	3/4	47.64	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,423.87	7	1,147.03	7	870.24	7	594.12	7	317.28	7	43.03	7	7	7	7	7	7	7	7
1/4	1,418.11	1/4	1,141.26	1/4	864.50	1/4	588.35	1/4	311.52	1/4	38.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,412.34	1/2	1,135.49	1/2	858.75	1/2	582.58	1/2	305.75	1/2	33.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,406.57	3/4	1,129.73	3/4	853.00	3/4	576.82	3/4	299.98	3/4	29.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,400.80	8	1,123.96	8	847.25	8	571.05	8	294.21	8	25.73	8	8	8	8	8	8	8	8
1/4	1,395.04	1/4	1,118.19	1/4	841.50	1/4	565.28	1/4	288.45	1/4	22.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,389.27	1/2	1,112.42	1/2	835.75	1/2	559.52	1/2	282.68	1/2	18.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,383.50	3/4	1,106.66	3/4	830.01	3/4	553.75	3/4	276.91	3/4	15.35	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,377.73	9	1,100.89	9	824.26	9	547.98	9	271.15	9		9	9	9	9	9	9	9	9
1/4	1,371.97	1/4	1,095.12	1/4	818.51	1/4	542.21	1/4	265.38	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,366.20	1/2	1,089.35	1/2	812.76	1/2	536.45	1/2	259.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,360.43	3/4	1,083.59	3/4	807.01	3/4	530.68	3/4	253.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,354.66	10	1,077.82	10	801.26	10	524.91	10	248.08	10		10	10	10	10	10	10	10	10
1/4	1,348.90	1/4	1,072.05	1/4	795.52	1/4	519.14	1/4	242.31	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,343.13	1/2	1,066.28	1/2	789.77	1/2	513.38	1/2	236.54	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,337.36	3/4	1,060.52	3/4	784.02	3/4	507.61	3/4	230.77	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,331.59	11	1,054.75	11	778.27	11	501.84	11	225.01	11		11	11	11	11	11	11	11	11
1/4	1,325.82	1/4	1,048.98	1/4	772.52	1/4	496.07	1/4	219.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,320.06	1/2	1,043.21	1/2	766.77	1/2	490.31	1/2	213.47	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,314.29	3/4	1,037.44	3/4	761.03	3/4	484.54	3/4	207.70	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "DBL 310"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,582.41	0	1,305.77	0	1,029.13	0	753.92	0	478.41	0	201.78	0		0		0		0	
1/4	1,576.64	1/4	1,300.00	1/4	1,023.36	1/4	748.22	1/4	472.64	1/4	196.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,570.88	1/2	1,294.24	1/2	1,017.60	1/2	742.51	1/2	466.88	1/2	190.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,565.12	3/4	1,288.48	3/4	1,011.84	3/4	736.80	3/4	461.12	3/4	184.49	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,559.35	1	1,282.71	1	1,006.08	1	731.09	1	455.35	1	178.73	1	1	1	1	1	1	1	1
1/4	1,553.59	1/4	1,276.95	1/4	1,000.31	1/4	725.38	1/4	449.59	1/4	172.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,547.83	1/2	1,271.19	1/2	994.55	1/2	719.68	1/2	443.83	1/2	167.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,542.06	3/4	1,265.42	3/4	988.79	3/4	713.97	3/4	438.07	3/4	161.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,536.30	2	1,259.66	2	983.02	2	708.26	2	432.30	2	155.68	2	2	2	2	2	2	2	2
1/4	1,530.54	1/4	1,253.90	1/4	977.26	1/4	702.55	1/4	426.54	1/4	149.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,524.77	1/2	1,248.13	1/2	971.50	1/2	696.84	1/2	420.78	1/2	144.15	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,519.01	3/4	1,242.37	3/4	965.73	3/4	691.13	3/4	415.01	3/4	138.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,513.25	3	1,236.61	3	959.97	3	685.43	3	409.25	3	132.63	3	3	3	3	3	3	3	3
1/4	1,507.48	1/4	1,230.84	1/4	954.21	1/4	679.72	1/4	403.49	1/4	126.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,501.72	1/2	1,225.08	1/2	948.44	1/2	674.01	1/2	397.72	1/2	121.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,495.96	3/4	1,219.32	3/4	942.68	3/4	668.30	3/4	391.96	3/4	115.35	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,490.19	4	1,213.55	4	936.92	4	662.59	4	386.20	4	109.60	4	4	4	4	4	4	4	4
1/4	1,484.43	1/4	1,207.79	1/4	931.15	1/4	656.87	1/4	380.44	1/4	103.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,478.67	1/2	1,202.03	1/2	925.39	1/2	651.16	1/2	374.67	1/2	98.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,472.90	3/4	1,196.26	3/4	919.63	3/4	645.44	3/4	368.91	3/4	92.35	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,467.14	5	1,190.50	5	913.88	5	639.70	5	363.15	5	86.61	5	5	5	5	5	5	5	5
1/4	1,461.38	1/4	1,184.74	1/4	908.14	1/4	633.96	1/4	357.38	1/4	80.88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,455.61	1/2	1,178.97	1/2	902.40	1/2	628.22	1/2	351.62	1/2	75.15	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,449.85	3/4	1,173.21	3/4	896.66	3/4	622.48	3/4	345.86	3/4	69.41	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,444.09	6	1,167.45	6	890.94	6	616.72	6	340.09	6	63.96	6	6	6	6	6	6	6	6
1/4	1,438.32	1/4	1,161.68	1/4	885.23	1/4	610.96	1/4	334.33	1/4	58.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,432.56	1/2	1,155.92	1/2	879.51	1/2	605.19	1/2	328.57	1/2	53.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,426.80	3/4	1,150.16	3/4	873.80	3/4	599.43	3/4	322.81	3/4	47.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,421.03	7	1,144.39	7	868.09	7	593.67	7	317.04	7	42.99	7	7	7	7	7	7	7	7
1/4	1,415.27	1/4	1,138.63	1/4	862.38	1/4	587.90	1/4	311.28	1/4	38.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,409.51	1/2	1,132.87	1/2	856.67	1/2	582.14	1/2	305.52	1/2	33.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,403.74	3/4	1,127.10	3/4	850.96	3/4	576.38	3/4	299.75	3/4	29.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,397.98	8	1,121.34	8	845.26	8	570.61	8	293.99	8	25.71	8	8	8	8	8	8	8	8
1/4	1,392.22	1/4	1,115.58	1/4	839.55	1/4	564.85	1/4	288.23	1/4	22.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,386.45	1/2	1,109.81	1/2	833.84	1/2	559.09	1/2	282.46	1/2	18.79	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,380.69	3/4	1,104.05	3/4	828.13	3/4	553.33	3/4	276.70	3/4	15.34	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,374.93	9	1,098.29	9	822.42	9	547.56	9	270.94	9		9	9	9	9	9	9	9	9
1/4	1,369.16	1/4	1,092.52	1/4	816.71	1/4	541.80	1/4	265.18	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,363.40	1/2	1,086.76	1/2	811.01	1/2	536.04	1/2	259.41	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,357.64	3/4	1,081.00	3/4	805.30	3/4	530.27	3/4	253.65	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,351.87	10	1,075.23	10	799.59	10	524.51	10	247.89	10		10	10	10	10	10	10	10	10
1/4	1,346.11	1/4	1,069.47	1/4	793.88	1/4	518.75	1/4	242.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,340.35	1/2	1,063.71	1/2	788.17	1/2	512.98	1/2	236.36	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,334.58	3/4	1,057.94	3/4	782.47	3/4	507.22	3/4	230.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,328.82	11	1,052.18	11	776.76	11	501.46	11	224.83	11		11	11	11	11	11	11	11	11
1/4	1,323.06	1/4	1,046.42	1/4	771.05	1/4	495.70	1/4	219.07	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,317.29	1/2	1,040.65	1/2	765.34	1/2	489.93	1/2	213.31	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,311.53	3/4	1,034.89	3/4	759.63	3/4	484.17	3/4	207.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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