



BARGE "IB 1088"

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 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
2 CENTER	00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
3 CENTER	00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

$$\begin{aligned}
 \text{FWD. DRAFT} &= 2'-00" \\
 \text{AFT DRAFT} &= 4'-00" \\
 \text{DIFF.} &= 2'-00" \quad (\text{DOWN BY STERN})
 \end{aligned}$$

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

LENGTH BETWEEN DRAFT MARKS: 163'-03"

June 27, 2017

**PRECISION MEASUREMENT
& ANALYSIS, INC.**
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1088"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 3/4"

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
1/4	1,526.85	1,229.81	933.07	641.35	344.01	0	47.78	0	0	0	0	0	0	0	0	0	0	0	0
1/2	1,520.67	1,223.62	927.03	635.16	337.81	1/4	42.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/4	1,514.49	1,217.43	920.98	628.96	331.62	1/2	36.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
1	1,508.31	1,211.24	914.94	622.77	325.42	3/4	30.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1 1/4	1,502.13	1,205.05	908.90	616.57	319.23	1	26.79	1	1	1	1	1	1	1	1	1	1	1	1
1 1/2	1,495.95	1,198.85	902.85	610.38	313.03	1 1/4	22.65	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 3/4	1,489.77	1,192.66	896.81	604.18	306.84	1 1/2	18.52	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
2	1,483.59	1,186.47	890.77	597.99	300.64	3/4	14.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2 1/4	1,477.41	1,180.28	884.73	591.80	294.45	2	12.32	2	2	2	2	2	2	2	2	2	2	2	2
2 1/2	1,471.23	1,174.09	878.68	585.60	288.25	1 1/4	10.25	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
2 3/4	1,465.05	1,167.90	872.64	579.41	282.06	1 1/2	8.18	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3	1,458.87	1,161.71	866.60	573.21	275.86	3/4	6.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3 1/4	1,452.68	1,155.52	860.56	567.02	269.67	3	6.11	3	3	3	3	3	3	3	3	3	3	3	3
3 1/2	1,446.50	1,149.32	854.51	560.82	263.47	1 1/4	6.11	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
3 3/4	1,440.31	1,143.13	848.47	554.63	257.28	1 1/2	6.11	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
4	1,434.13	1,136.94	842.43	548.43	251.08	3/4	6.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4 1/4	1,427.94	1,130.75	836.39	542.24	244.89	4	6.11	4	4	4	4	4	4	4	4	4	4	4	4
4 1/2	1,421.75	1,124.56	830.34	536.04	238.69	1 1/4	6.11	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
4 3/4	1,415.55	1,118.37	824.30	529.85	232.49	1 1/2	6.11	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
5	1,409.36	1,112.18	818.26	523.65	226.29	3/4	6.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5 1/4	1,403.17	1,105.98	812.22	517.46	220.09	5	6.11	5	5	5	5	5	5	5	5	5	5	5	5
5 1/2	1,396.98	1,099.79	806.17	511.26	213.89	1 1/4	6.11	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
5 3/4	1,390.79	1,093.60	800.13	505.07	207.69	1 1/2	6.11	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
6	1,384.60	1,087.41	794.09	498.87	201.49	3/4	6.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6 1/4	1,378.41	1,081.22	788.05	492.68	195.29	6	6.11	6	6	6	6	6	6	6	6	6	6	6	6
6 1/2	1,372.21	1,075.03	782.00	486.49	189.09	1 1/4	6.11	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
6 3/4	1,366.02	1,068.84	775.96	480.29	182.89	1 1/2	6.11	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
7	1,359.83	1,062.64	769.92	474.10	176.69	3/4	6.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7 1/4	1,353.64	1,056.45	763.88	467.90	170.50	7	6.11	7	7	7	7	7	7	7	7	7	7	7	7
7 1/2	1,347.45	1,050.26	757.83	461.71	164.30	1 1/4	6.11	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
7 3/4	1,341.26	1,044.07	751.79	455.51	158.11	1 1/2	6.11	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
8	1,335.07	1,037.88	745.75	449.32	151.91	3/4	6.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8 1/4	1,328.87	1,031.69	739.71	443.12	145.72	8	6.11	8	8	8	8	8	8	8	8	8	8	8	8
8 1/2	1,322.68	1,025.50	733.66	436.93	139.53	1 1/4	6.11	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
8 3/4	1,316.49	1,019.30	727.62	430.73	133.34	1 1/2	6.11	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
9	1,310.30	1,013.11	721.58	424.54	127.14	3/4	6.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9 1/4	1,304.11	1,006.92	715.46	418.34	120.97	9	6.11	9	9	9	9	9	9	9	9	9	9	9	9
9 1/2	1,297.92	1,000.73	709.34	412.15	114.79	1 1/4	6.11	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
9 3/4	1,291.73	994.54	703.22	405.95	108.61	1 1/2	6.11	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
10	1,285.53	988.35	697.10	399.76	102.43	3/4	6.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10 1/4	1,279.34	982.16	690.91	393.56	96.28	10	6.11	10	10	10	10	10	10	10	10	10	10	10	10
10 1/2	1,273.15	975.96	684.72	387.37	90.13	1 1/4	6.11	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
10 3/4	1,266.96	969.77	678.52	381.18	83.98	1 1/2	6.11	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
11	1,260.77	963.58	672.33	374.98	77.83	3/4	6.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11 1/4	1,254.58	957.46	666.13	368.79	71.72	11	6.11	11	11	11	11	11	11	11	11	11	11	11	11
11 1/2	1,248.39	951.35	659.94	362.59	65.62	1 1/4	6.11	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
11 3/4	1,242.19	945.23	653.74	356.40	59.51	1 1/2	6.11	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
12	1,236.00	939.11	647.55	350.20	53.40	3/4	6.11	3/4	3/4	3/4	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: 06/26/2017 CL
CALCULATED: 06/27/2017 CL
PRINTED: 06/27/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "IB 1088"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	3,468.03	0	3,204.57	0	2,941.11	0	2,677.65	0	2,414.18	0	2,150.72	0	1,887.26	0	1,623.80			
1/4	1/4	3,462.54	1/4	3,199.08	1/4	2,935.62	1/4	2,672.16	1/4	2,408.69	1/4	2,145.23	1/4	1,881.77	1/4	1,618.31			
1/2	1/2	3,457.06	1/2	3,193.59	1/2	2,930.13	1/2	2,666.67	1/2	2,403.21	1/2	2,139.74	1/2	1,876.28	1/2	1,612.82			
3/4	3/4	3,451.57	3/4	3,188.10	3/4	2,924.64	3/4	2,661.18	3/4	2,397.72	3/4	2,134.25	3/4	1,870.79	3/4	1,607.33			
1	1	3,446.08	1	3,182.62	1	2,919.15	1	2,655.69	1	2,392.23	1	2,128.77	1	1,865.30	1	1,601.84			
1/4	1/4	3,440.59	1/4	3,177.13	1/4	2,913.66	1/4	2,650.20	1/4	2,386.74	1/4	2,123.28	1/4	1,859.81	1/4	1,596.35			
1/2	1/2	3,435.10	1/2	3,171.64	1/2	2,908.18	1/2	2,644.71	1/2	2,381.25	1/2	2,117.79	1/2	1,854.33	1/2	1,590.86			
3/4	3/4	3,429.61	3/4	3,166.15	3/4	2,902.69	3/4	2,639.22	3/4	2,375.76	3/4	2,112.30	3/4	1,848.84	3/4	1,585.37			
2	2	3,424.12	2	3,160.66	2	2,897.20	2	2,633.74	2	2,370.27	2	2,106.81	2	1,843.35	2	1,579.89			
1/4	1/4	3,418.63	1/4	3,155.17	1/4	2,891.71	1/4	2,628.25	1/4	2,364.78	1/4	2,101.32	1/4	1,837.86	1/4	1,574.40			
1/2	1/2	3,413.15	1/2	3,149.68	1/2	2,886.22	1/2	2,622.76	1/2	2,359.30	1/2	2,095.83	1/2	1,832.37	1/2	1,568.91			
3/4	3/4	3,407.66	3/4	3,144.19	3/4	2,880.73	3/4	2,617.27	3/4	2,353.81	3/4	2,090.34	3/4	1,826.88	3/4	1,563.42			
3	3	3,402.17	3	3,138.71	3	2,875.24	3	2,611.78	3	2,348.32	3	2,084.86	3	1,821.39	3	1,557.93			
1/4	1/4	3,396.68	1/4	3,133.22	1/4	2,869.75	1/4	2,606.29	1/4	2,342.83	1/4	2,079.37	1/4	1,815.90	1/4	1,552.44			
1/2	1/2	3,391.19	1/2	3,127.73	1/2	2,864.27	1/2	2,600.80	1/2	2,337.34	1/2	2,073.88	1/2	1,810.42	1/2	1,546.95			
3/4	3/4	3,385.70	3/4	3,122.24	3/4	2,858.78	3/4	2,595.31	3/4	2,331.85	3/4	2,068.39	3/4	1,804.93	3/4	1,541.46			
4	4	3,380.21	4	3,116.75	4	2,853.29	4	2,589.83	4	2,326.36	4	2,062.90	4	1,799.44	4	1,535.98			
1/4	1/4	3,374.72	1/4	3,111.26	1/4	2,847.80	1/4	2,584.34	1/4	2,320.87	1/4	2,057.41	1/4	1,793.95	1/4	1,530.49			
1/2	1/2	3,369.23	1/2	3,105.77	1/2	2,842.31	1/2	2,578.85	1/2	2,315.39	1/2	2,051.92	1/2	1,788.46	1/2	1,525.00			
3/4	3/4	3,363.75	3/4	3,100.28	3/4	2,836.82	3/4	2,573.36	3/4	2,309.90	3/4	2,046.43	3/4	1,782.97	3/4	1,519.51			
5	5	3,358.26	5	3,094.79	5	2,831.33	5	2,567.87	5	2,304.41	5	2,040.95	5	1,777.48	5	1,514.02			
1/4	1/4	3,352.77	1/4	3,089.31	1/4	2,825.84	1/4	2,562.38	1/4	2,298.92	1/4	2,035.46	1/4	1,771.99	1/4	1,508.53			
1/2	1/2	3,347.28	1/2	3,083.82	1/2	2,820.35	1/2	2,556.89	1/2	2,293.43	1/2	2,029.97	1/2	1,766.51	1/2	1,503.04			
3/4	3/4	3,341.79	3/4	3,078.33	3/4	2,814.87	3/4	2,551.40	3/4	2,287.94	3/4	2,024.48	3/4	1,761.02	3/4	1,497.55			
6	6	3,336.30	6	3,072.84	6	2,809.38	6	2,545.91	6	2,282.45	6	2,018.99	6	1,755.53	6	1,492.07			
1/4	1/4	3,330.81	1/4	3,067.35	1/4	2,803.89	1/4	2,540.43	1/4	2,276.96	1/4	2,013.50	1/4	1,750.04	1/4	1,486.58			
1/2	1/2	3,325.32	1/2	3,061.86	1/2	2,798.40	1/2	2,534.94	1/2	2,271.47	1/2	2,008.01	1/2	1,744.55	1/2	1,481.09			
3/4	3/4	3,319.84	3/4	3,056.37	3/4	2,792.91	3/4	2,529.45	3/4	2,265.99	3/4	2,002.52	3/4	1,739.06	3/4	1,475.60			
7	7	3,314.35	7	3,050.88	7	2,787.42	7	2,523.96	7	2,260.50	7	1,997.03	7	1,733.57	7	1,470.11			
1/4	1/4	3,308.36	1/4	3,045.40	1/4	2,781.93	1/4	2,518.47	1/4	2,255.01	1/4	1,991.55	1/4	1,728.08	1/4	1,464.62			
1/2	1/2	3,303.37	1/2	3,039.91	1/2	2,776.44	1/2	2,512.98	1/2	2,249.52	1/2	1,986.06	1/2	1,722.59	1/2	1,459.13			
3/4	3/4	3,297.88	3/4	3,034.42	3/4	2,770.96	3/4	2,507.49	3/4	2,244.03	3/4	1,980.57	3/4	1,717.11	3/4	1,453.64			
8	8	3,292.39	8	3,028.93	8	2,765.47	8	2,502.00	8	2,238.54	8	1,975.08	8	1,711.62	8	1,448.15			
1/4	1/4	3,286.90	1/4	3,023.44	1/4	2,759.98	1/4	2,496.52	1/4	2,233.05	1/4	1,969.59	1/4	1,706.13	1/4	1,442.67			
1/2	1/2	3,281.41	1/2	3,017.95	1/2	2,754.49	1/2	2,491.03	1/2	2,227.56	1/2	1,964.10	1/2	1,700.64	1/2	1,437.18			
3/4	3/4	3,275.93	3/4	3,012.46	3/4	2,749.00	3/4	2,485.54	3/4	2,222.08	3/4	1,958.61	3/4	1,695.15	3/4	1,431.69			
9	9	3,270.44	9	3,006.97	9	2,743.51	9	2,480.05	9	2,216.59	9	1,953.12	9	1,689.66	9	1,426.20			
1/4	1/4	3,264.95	1/4	3,001.49	1/4	2,738.02	1/4	2,474.56	1/4	2,211.10	1/4	1,947.64	1/4	1,684.17	1/4	1,420.71			
1/2	1/2	3,259.46	1/2	2,996.00	1/2	2,732.53	1/2	2,469.07	1/2	2,205.61	1/2	1,942.15	1/2	1,678.68	1/2	1,415.22			
3/4	3/4	3,253.97	3/4	2,990.51	3/4	2,727.05	3/4	2,463.58	3/4	2,200.12	3/4	1,936.66	3/4	1,673.20	3/4	1,409.73			
10	10	3,248.48	10	2,985.02	10	2,721.56	10	2,458.09	10	2,194.63	10	1,931.17	10	1,667.71	10	1,404.24			
1/4	1/4	3,242.99	1/4	2,979.53	1/4	2,716.07	1/4	2,452.61	1/4	2,189.14	1/4	1,925.68	1/4	1,662.22	1/4	1,398.76			
1/2	1/2	3,237.50	1/2	2,974.04	1/2	2,710.58	1/2	2,447.12	1/2	2,183.65	1/2	1,920.19	1/2	1,656.73	1/2	1,393.27			
3/4	3/4	3,232.01	3/4	2,968.55	3/4	2,705.09	3/4	2,441.63	3/4	2,178.17	3/4	1,914.70	3/4	1,651.24	3/4	1,387.78			
11	11	3,226.53	11	2,963.06	11	2,699.60	11	2,436.14	11	2,172.68	11	1,909.21	11	1,645.75	11	1,382.29			
1/4	1/4	3,221.04	1/4	2,957.57	1/4	2,694.11	1/4	2,430.65	1/4	2,167.19	1/4	1,903.73	1/4	1,640.26	1/4	1,376.80			
1/2	1/2	3,215.55	1/2	2,952.09	1/2	2,688.62	1/2	2,425.16	1/2	2,161.70	1/2	1,898.24	1/2	1,634.77	1/2	1,371.31			
3/4	3/4	3,210.06	3/4	2,946.60	3/4	2,683.13	3/4	2,419.67	3/4	2,156.21	3/4	1,892.75	3/4	1,629.29	3/4	1,365.82			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPWS 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 ON CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD

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



BARGE "IB 1088"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 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
1/4	1,360.33	0	1,096.87	0	833.63	0	575.95	0	312.50	0	49.68	0	0	0	0	0	0	0	0
1/4	1,354.85	1/4	1,091.38	1/4	828.22	1/4	570.46	1/4	307.01	1/4	44.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,349.36	1/2	1,085.99	1/2	822.88	1/2	564.98	1/2	301.52	1/2	39.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,343.87	3/4	1,080.41	3/4	817.54	3/4	559.49	3/4	296.03	3/4	34.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,338.38	1	1,074.92	1	812.20	1	554.00	1	290.55	1	29.36	1	1	1	1	1	1	1	1
1/4	1,332.89	1/4	1,069.43	1/4	806.86	1/4	548.51	1/4	285.06	1/4	24.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,327.40	1/2	1,063.94	1/2	801.52	1/2	543.02	1/2	279.57	1/2	20.74	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,321.91	3/4	1,058.45	3/4	796.18	3/4	537.53	3/4	274.08	3/4	17.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,316.42	2	1,052.96	2	790.84	2	532.04	2	268.59	2	13.43	2	2	2	2	2	2	2	2
1/4	1,310.93	1/4	1,047.47	1/4	785.50	1/4	526.56	1/4	263.10	1/4	9.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,305.45	1/2	1,041.98	1/2	780.16	1/2	521.07	1/2	257.61	1/2	7.94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,299.96	3/4	1,036.49	3/4	774.82	3/4	515.58	3/4	252.13	3/4	6.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,294.47	3	1,031.01	3	769.49	3	510.09	3	246.64	3	4.28	3	3	3	3	3	3	3	3
1/4	1,288.98	1/4	1,025.52	1/4	764.15	1/4	504.60	1/4	241.15	1/4	2.46	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,283.49	1/2	1,020.03	1/2	758.81	1/2	499.11	1/2	235.66	1/2	0.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,278.00	3/4	1,014.54	3/4	753.47	3/4	493.62	3/4	230.17	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,272.51	4	1,009.05	4	748.13	4	488.13	4	224.68	4	0.00	4	4	4	4	4	4	4	4
1/4	1,267.02	1/4	1,003.56	1/4	742.79	1/4	482.65	1/4	219.19	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,261.54	1/2	998.07	1/2	737.46	1/2	477.16	1/2	213.70	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,256.05	3/4	992.58	3/4	732.12	3/4	471.67	3/4	208.22	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,250.56	5	987.10	5	726.78	5	466.18	5	202.73	5	0.00	5	5	5	5	5	5	5	5
1/4	1,245.07	1/4	981.61	1/4	721.44	1/4	460.69	1/4	197.24	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,239.58	1/2	976.12	1/2	716.10	1/2	455.20	1/2	191.75	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,234.09	3/4	970.63	3/4	710.76	3/4	449.71	3/4	186.26	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,228.60	6	965.14	6	705.42	6	444.23	6	180.77	6	0.00	6	6	6	6	6	6	6	6
1/4	1,223.11	1/4	959.65	1/4	700.09	1/4	438.74	1/4	175.29	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,217.63	1/2	954.16	1/2	694.75	1/2	433.25	1/2	169.80	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,212.14	3/4	948.67	3/4	689.41	3/4	427.76	3/4	164.31	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,206.65	7	943.19	7	684.07	7	422.27	7	158.82	7	0.00	7	7	7	7	7	7	7	7
1/4	1,201.16	1/4	937.70	1/4	678.73	1/4	416.78	1/4	153.33	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,195.67	1/2	932.21	1/2	673.39	1/2	411.29	1/2	147.85	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,190.18	3/4	926.72	3/4	668.05	3/4	405.81	3/4	142.36	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,184.69	8	921.23	8	662.72	8	400.32	8	136.88	8	0.00	8	8	8	8	8	8	8	8
1/4	1,179.20	1/4	915.74	1/4	657.38	1/4	394.83	1/4	131.39	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,173.71	1/2	910.25	1/2	652.04	1/2	389.34	1/2	125.92	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,168.23	3/4	904.76	3/4	646.70	3/4	383.85	3/4	120.44	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,162.74	9	899.27	9	641.36	9	378.36	9	114.96	9	0.00	9	9	9	9	9	9	9	9
1/4	1,157.25	1/4	893.79	1/4	636.02	1/4	372.87	1/4	109.49	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,151.76	1/2	888.30	1/2	630.61	1/2	367.39	1/2	104.02	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,146.27	3/4	882.81	3/4	625.20	3/4	361.90	3/4	98.56	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,140.78	10	877.32	10	619.79	10	356.41	10	93.10	10	0.00	10	10	10	10	10	10	10	10
1/4	1,135.29	1/4	871.83	1/4	614.37	1/4	350.92	1/4	87.63	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,129.80	1/2	866.34	1/2	608.88	1/2	345.43	1/2	82.19	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,124.32	3/4	860.85	3/4	603.40	3/4	339.94	3/4	76.75	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,118.83	11	855.36	11	597.91	11	334.45	11	71.31	11	0.00	11	11	11	11	11	11	11	11
1/4	1,113.34	1/4	849.88	1/4	592.42	1/4	328.97	1/4	65.88	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,107.85	1/2	844.46	1/2	586.93	1/2	323.48	1/2	60.48	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,102.36	3/4	839.05	3/4	581.44	3/4	317.99	3/4	55.08	3/4	0.00	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: 06/26/2017 CL
CALCULATED: 06/27/2017 CL
PRINTED: 06/27/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "IB 1088"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	3,431.29	0	3,170.21	0	2,909.13	0	2,648.06	0	2,386.98	0	2,125.90	0	1,864.83	0	1,603.75	0	1,342.67	0
1/4	1/4	3,425.85	1/4	3,164.77	1/4	2,903.69	1/4	2,642.62	1/4	2,381.54	1/4	2,120.46	1/4	1,859.39	1/4	1,598.31	1/4	1,337.23	1/4
1/2	1/2	3,420.41	1/2	3,159.33	1/2	2,898.25	1/2	2,637.18	1/2	2,376.10	1/2	2,115.02	1/2	1,853.95	1/2	1,592.87	1/2	1,329.87	1/2
3/4	3/4	3,414.97	3/4	3,153.89	3/4	2,892.82	3/4	2,631.74	3/4	2,370.66	3/4	2,109.59	3/4	1,848.51	3/4	1,587.43	3/4	1,322.51	3/4
1	1	3,409.53	1	3,148.45	1	2,887.38	1	2,626.30	1	2,365.22	1	2,104.15	1	1,843.07	1	1,581.99	1	1,315.15	1
1/4	1/4	3,404.09	1/4	3,143.01	1/4	2,881.94	1/4	2,620.86	1/4	2,359.78	1/4	2,098.71	1/4	1,837.63	1/4	1,576.55	1/4	1,307.77	1/4
1/2	1/2	3,398.65	1/2	3,137.58	1/2	2,876.50	1/2	2,615.42	1/2	2,354.34	1/2	2,093.27	1/2	1,832.19	1/2	1,571.11	1/2	1,300.41	1/2
3/4	3/4	3,393.21	3/4	3,132.14	3/4	2,871.06	3/4	2,609.98	3/4	2,348.91	3/4	2,087.83	3/4	1,826.75	3/4	1,565.68	3/4	1,293.05	3/4
2	2	3,387.77	2	3,126.70	2	2,865.62	2	2,604.54	2	2,343.47	2	2,082.39	2	1,821.31	2	1,560.24	2	1,285.69	2
1/4	1/4	3,382.33	1/4	3,121.26	1/4	2,860.18	1/4	2,599.10	1/4	2,338.03	1/4	2,076.95	1/4	1,815.87	1/4	1,554.80	1/4	1,278.31	1/4
1/2	1/2	3,376.90	1/2	3,115.82	1/2	2,854.74	1/2	2,593.67	1/2	2,332.59	1/2	2,071.51	1/2	1,810.43	1/2	1,549.36	1/2	1,270.93	1/2
3/4	3/4	3,371.46	3/4	3,110.38	3/4	2,849.30	3/4	2,588.23	3/4	2,327.15	3/4	2,066.07	3/4	1,805.00	3/4	1,543.92	3/4	1,263.55	3/4
3	3	3,366.02	3	3,104.94	3	2,843.86	3	2,582.79	3	2,321.71	3	2,060.63	3	1,799.56	3	1,538.48	3	1,256.17	3
1/4	1/4	3,360.58	1/4	3,099.50	1/4	2,838.42	1/4	2,577.35	1/4	2,316.27	1/4	2,055.19	1/4	1,794.12	1/4	1,533.04	1/4	1,248.79	1/4
1/2	1/2	3,355.14	1/2	3,094.06	1/2	2,832.99	1/2	2,571.91	1/2	2,310.83	1/2	2,049.76	1/2	1,788.68	1/2	1,527.60	1/2	1,241.41	1/2
3/4	3/4	3,349.70	3/4	3,088.62	3/4	2,827.55	3/4	2,566.47	3/4	2,305.39	3/4	2,044.32	3/4	1,783.24	3/4	1,522.16	3/4	1,234.03	3/4
4	4	3,344.26	4	3,083.18	4	2,822.11	4	2,561.03	4	2,299.95	4	2,038.88	4	1,777.80	4	1,516.72	4	1,226.65	4
1/4	1/4	3,338.82	1/4	3,077.75	1/4	2,816.67	1/4	2,555.59	1/4	2,294.51	1/4	2,033.44	1/4	1,772.36	1/4	1,511.28	1/4	1,219.27	1/4
1/2	1/2	3,333.38	1/2	3,072.31	1/2	2,811.23	1/2	2,550.15	1/2	2,289.08	1/2	2,028.00	1/2	1,766.92	1/2	1,505.85	1/2	1,211.89	1/2
3/4	3/4	3,327.94	3/4	3,066.87	3/4	2,805.79	3/4	2,544.71	3/4	2,283.64	3/4	2,022.56	3/4	1,761.48	3/4	1,500.41	3/4	1,204.51	3/4
5	5	3,322.50	5	3,061.43	5	2,800.35	5	2,539.27	5	2,278.20	5	2,017.12	5	1,756.04	5	1,494.97	5	1,197.13	5
1/4	1/4	3,317.07	1/4	3,055.99	1/4	2,794.91	1/4	2,533.84	1/4	2,272.76	1/4	2,011.68	1/4	1,750.60	1/4	1,489.53	1/4	1,190.75	1/4
1/2	1/2	3,311.63	1/2	3,050.55	1/2	2,789.47	1/2	2,528.40	1/2	2,267.32	1/2	2,006.24	1/2	1,745.17	1/2	1,484.09	1/2	1,183.37	1/2
3/4	3/4	3,306.19	3/4	3,045.11	3/4	2,784.03	3/4	2,522.96	3/4	2,261.88	3/4	2,000.80	3/4	1,739.73	3/4	1,478.65	3/4	1,176.00	3/4
6	6	3,300.75	6	3,039.67	6	2,778.59	6	2,517.52	6	2,256.44	6	1,995.36	6	1,734.29	6	1,473.21	6	1,168.62	6
1/4	1/4	3,295.31	1/4	3,034.23	1/4	2,773.16	1/4	2,512.08	1/4	2,251.00	1/4	1,989.93	1/4	1,728.85	1/4	1,467.77	1/4	1,161.24	1/4
1/2	1/2	3,289.87	1/2	3,028.79	1/2	2,767.72	1/2	2,506.64	1/2	2,245.56	1/2	1,984.49	1/2	1,723.41	1/2	1,462.33	1/2	1,153.87	1/2
3/4	3/4	3,284.43	3/4	3,023.35	3/4	2,762.28	3/4	2,501.20	3/4	2,240.12	3/4	1,979.05	3/4	1,717.97	3/4	1,456.89	3/4	1,146.50	3/4
7	7	3,278.99	7	3,017.92	7	2,756.84	7	2,495.76	7	2,234.68	7	1,973.61	7	1,712.53	7	1,451.45	7	1,139.13	7
1/4	1/4	3,273.55	1/4	3,012.48	1/4	2,751.40	1/4	2,490.32	1/4	2,229.25	1/4	1,968.17	1/4	1,707.09	1/4	1,446.02	1/4	1,131.76	1/4
1/2	1/2	3,268.11	1/2	3,007.04	1/2	2,745.96	1/2	2,484.88	1/2	2,223.81	1/2	1,962.73	1/2	1,701.65	1/2	1,440.58	1/2	1,124.39	1/2
3/4	3/4	3,262.67	3/4	3,001.60	3/4	2,740.52	3/4	2,479.44	3/4	2,218.37	3/4	1,957.29	3/4	1,696.21	3/4	1,435.14	3/4	1,117.02	3/4
8	8	3,257.24	8	2,996.16	8	2,735.08	8	2,474.00	8	2,212.93	8	1,951.85	8	1,690.77	8	1,429.70	8	1,109.65	8
1/4	1/4	3,251.80	1/4	2,990.72	1/4	2,729.64	1/4	2,468.57	1/4	2,207.49	1/4	1,946.41	1/4	1,685.34	1/4	1,424.26	1/4	1,102.28	1/4
1/2	1/2	3,246.36	1/2	2,985.28	1/2	2,724.20	1/2	2,463.13	1/2	2,202.05	1/2	1,940.97	1/2	1,679.90	1/2	1,418.82	1/2	1,094.91	1/2
3/4	3/4	3,240.92	3/4	2,979.84	3/4	2,718.76	3/4	2,457.69	3/4	2,196.61	3/4	1,935.53	3/4	1,674.46	3/4	1,413.38	3/4	1,087.54	3/4
9	9	3,235.48	9	2,974.40	9	2,713.33	9	2,452.25	9	2,191.17	9	1,930.09	9	1,669.02	9	1,407.94	9	1,080.17	9
1/4	1/4	3,230.04	1/4	2,968.96	1/4	2,707.89	1/4	2,446.81	1/4	2,185.73	1/4	1,924.66	1/4	1,663.58	1/4	1,402.50	1/4	1,072.80	1/4
1/2	1/2	3,224.60	1/2	2,963.52	1/2	2,702.45	1/2	2,441.37	1/2	2,180.29	1/2	1,919.22	1/2	1,658.14	1/2	1,397.06	1/2	1,065.43	1/2
3/4	3/4	3,219.16	3/4	2,958.08	3/4	2,697.01	3/4	2,435.93	3/4	2,174.85	3/4	1,913.78	3/4	1,652.70	3/4	1,391.62	3/4	1,058.06	3/4
10	10	3,213.72	10	2,952.65	10	2,691.57	10	2,430.49	10	2,169.42	10	1,908.34	10	1,647.26	10	1,386.18	10	1,050.69	10
1/4	1/4	3,208.28	1/4	2,947.21	1/4	2,686.13	1/4	2,425.05	1/4	2,163.98	1/4	1,902.90	1/4	1,641.82	1/4	1,380.75	1/4	1,043.32	1/4
1/2	1/2	3,202.84	1/2	2,941.77	1/2	2,680.69	1/2	2,419.61	1/2	2,158.54	1/2	1,897.46	1/2	1,636.38	1/2	1,375.31	1/2	1,035.95	1/2
3/4	3/4	3,197.40	3/4	2,936.33	3/4	2,675.25	3/4	2,414.17	3/4	2,153.10	3/4	1,892.02	3/4	1,630.94	3/4	1,369.87	3/4	1,028.58	3/4
11	11	3,191.97	11	2,930.89	11	2,669.81	11	2,408.74	11	2,147.66	11	1,886.58	11	1,625.51	11	1,364.43	11	1,021.21	11
1/4	1/4	3,186.53	1/4	2,925.45	1/4	2,664.37	1/4	2,403.30	1/4	2,142.22	1/4	1,881.14	1/4	1,620.07	1/4	1,358.99	1/4	1,013.84	1/4
1/2	1/2	3,181.09	1/2	2,920.01	1/2	2,658.93	1/2	2,397.86	1/2	2,136.78	1/2	1,875.70	1/2	1,614.63	1/2	1,353.55	1/2	1,006.47	1/2
3/4	3/4	3,175.65	3/4	2,914.57	3/4	2,653.50	3/4	2,392.42	3/4	2,131.34	3/4	1,870.26	3/4	1,609.19	3/4	1,348.11	3/4	999.10	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPWS 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 ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD

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



BARGE "IB 1088"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,342.67	0	1,081.60	0	820.55	0	559.87	0	298.80	0	38.95	0	0	0	0	0	0	0	0
1/4	1,337.23	1/4	1,076.16	1/4	815.12	1/4	554.43	1/4	293.36	1/4	34.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,331.79	1/2	1,070.72	1/2	809.69	1/2	548.99	1/2	287.92	1/2	29.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,326.35	3/4	1,065.28	3/4	804.26	3/4	543.55	3/4	282.48	3/4	24.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,320.92	1	1,059.84	1	798.83	1	538.11	1	277.04	1	20.56	1	1	1	1	1	1	1	1
1/4	1,315.48	1/4	1,054.40	1/4	793.40	1/4	532.67	1/4	271.60	1/4	16.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,310.04	1/2	1,048.96	1/2	787.97	1/2	527.23	1/2	266.17	1/2	13.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,304.60	3/4	1,043.52	3/4	782.54	3/4	521.79	3/4	260.73	3/4	9.69	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,299.16	2	1,038.08	2	777.11	2	516.35	2	255.29	2	7.88	2	2	2	2	2	2	2	2
1/4	1,293.72	1/4	1,032.64	1/4	771.69	1/4	510.92	1/4	249.85	1/4	6.06	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,288.28	1/2	1,027.20	1/2	766.26	1/2	505.48	1/2	244.41	1/2	4.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,282.84	3/4	1,021.77	3/4	760.83	3/4	500.04	3/4	238.97	3/4	2.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,277.40	3	1,016.33	3	755.40	3	494.60	3	233.53	3	0.63	3	3	3	3	3	3	3	3
1/4	1,271.96	1/4	1,010.89	1/4	749.97	1/4	489.16	1/4	228.09	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,266.52	1/2	1,005.45	1/2	744.54	1/2	483.72	1/2	222.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,261.09	3/4	1,000.01	3/4	739.12	3/4	478.28	3/4	217.22	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
4	1,255.65	4	994.57	4	733.69	4	472.84	4	211.78	4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/4	1,250.21	1/4	989.13	1/4	728.26	1/4	467.40	1/4	206.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,244.77	1/2	983.69	1/2	722.83	1/2	461.97	1/2	200.90	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,239.33	3/4	978.25	3/4	717.40	3/4	456.53	3/4	195.46	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
5	1,233.89	5	972.81	5	711.97	5	451.09	5	190.02	5	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/4	1,228.45	1/4	967.37	1/4	706.55	1/4	445.65	1/4	184.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,223.01	1/2	961.94	1/2	701.12	1/2	440.21	1/2	179.14	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,217.57	3/4	956.50	3/4	695.69	3/4	434.77	3/4	173.70	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
6	1,212.13	6	951.06	6	690.26	6	429.33	6	168.27	6	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/4	1,206.69	1/4	945.62	1/4	684.83	1/4	423.89	1/4	162.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,201.26	1/2	940.18	1/2	679.40	1/2	418.45	1/2	157.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,195.82	3/4	934.74	3/4	673.98	3/4	413.02	3/4	151.95	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
7	1,190.38	7	929.30	7	668.55	7	407.58	7	146.52	7	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/4	1,184.94	1/4	923.86	1/4	663.12	1/4	402.14	1/4	141.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,179.50	1/2	918.42	1/2	657.69	1/2	396.70	1/2	135.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,174.06	3/4	912.98	3/4	652.26	3/4	391.26	3/4	130.21	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
8	1,168.62	8	907.54	8	646.83	8	385.82	8	124.78	8	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/4	1,163.18	1/4	902.11	1/4	641.41	1/4	380.38	1/4	119.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,157.74	1/2	896.67	1/2	635.98	1/2	374.94	1/2	113.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,152.30	3/4	891.23	3/4	630.55	3/4	369.50	3/4	108.50	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
9	1,146.86	9	885.79	9	625.12	9	364.07	9	103.09	9	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/4	1,141.43	1/4	880.35	1/4	619.68	1/4	358.63	1/4	97.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,135.99	1/2	874.91	1/2	614.25	1/2	353.19	1/2	92.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,130.55	3/4	869.47	3/4	608.82	3/4	347.75	3/4	86.85	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
10	1,125.11	10	864.03	10	603.38	10	342.31	10	81.46	10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/4	1,119.67	1/4	858.59	1/4	597.94	1/4	336.87	1/4	76.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,114.23	1/2	853.15	1/2	592.50	1/2	331.43	1/2	70.68	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,108.79	3/4	847.71	3/4	587.06	3/4	325.99	3/4	65.28	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
11	1,103.35	11	842.28	11	581.62	11	320.55	11	59.93	11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/4	1,097.91	1/4	836.85	1/4	576.18	1/4	315.12	1/4	54.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,092.47	1/2	831.41	1/2	570.74	1/2	309.68	1/2	49.23	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,087.03	3/4	825.98	3/4	565.30	3/4	304.24	3/4	43.88	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2017 CL
CALCULATED: 06/27/2017 CL
PRINTED: 06/27/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

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