



BARGE FMT 5072

INNAGE TRIM TABLE (10" HATCH)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	02-0/8	-02-0/8	04-1/8	-04-1/8	06-1/8	-06-1/8	08-1/8	-08-1/8	10-1/4	-10-1/4	12-1/4	-12-1/4
1 STBD	02-0/8	-02-0/8	04-1/8	-04-1/8	06-1/8	-06-1/8	08-1/8	-08-1/8	10-1/4	-10-1/4	12-1/4	-12-1/4
2 PORT	01-7/8	-01-7/8	03-5/8	-03-5/8	05-1/2	-05-1/2	07-1/4	-07-1/4	09-1/8	-09-1/8	10-7/8	-10-7/8
2 STBD	01-7/8	-01-7/8	03-5/8	-03-5/8	05-1/2	-05-1/2	07-1/4	-07-1/4	09-1/8	-09-1/8	10-7/8	-10-7/8
3 PORT	01-3/4	01-3/4	03-5/8	03-5/8	05-3/8	05-3/8	07-1/4	07-1/4	09-0/8	09-0/8	10-7/8	10-7/8
3 STBD	01-3/4	01-3/4	03-5/8	03-5/8	05-3/8	05-3/8	07-1/4	07-1/4	09-0/8	09-0/8	10-7/8	10-7/8

(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 1 PORT IS -04-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-07 7/8"

LENGTH BETWEEN DRAFT MARKS: 263'-10"

April 22, 2016

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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<http://www.pmacorp.net>



BARGE FMT 5072

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS			10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP			GAUGE HEIGHT 17'-10 1/2"			
0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	13.04	386.22	771.24	1176.20	1582.76	1990.89	2398.06	2805.15	3214.24
0.04	16.40	376.83	779.64	1183.66	1591.28	1998.89	2405.66	2811.66	3221.74
0.09	19.77	384.86	788.06	1192.17	1600.79	2007.38	2415.06	2823.16	3231.25
0.13	23.14	393.16	796.46	1200.67	1610.29	2015.82	2423.57	2831.66	3239.76
0.17	26.51	401.28	804.87	1209.03	1619.79	2024.26	2432.07	2840.16	3248.26
0.21	31.28	409.78	813.26	1217.49	1629.29	2032.78	2440.57	2848.66	3256.76
0.26	36.07	418.09	821.68	1225.99	1638.79	2041.21	2449.07	2857.16	3265.26
0.30	40.85	426.39	830.09	1234.40	1648.30	2049.67	2457.57	2865.66	3273.76
0.34	45.63	434.70	838.50	1242.86	1657.80	2058.14	2466.07	2874.17	3282.26
0.38	51.84	443.01	846.91	1251.32	1667.30	2066.60	2474.58	2882.67	3290.76
0.43	58.04	451.33	855.31	1259.78	1676.80	2075.06	2483.08	2891.17	3299.26
0.47	64.24	459.64	863.72	1268.23	1686.30	2083.53	2491.59	2899.67	3307.76
0.51	70.44	467.96	872.13	1276.69	1695.81	2092.03	2500.08	2908.17	3316.26
0.55	76.65	476.27	880.54	1285.18	1705.31	2100.49	2508.58	2916.68	3324.77
0.59	82.85	484.59	888.95	1293.70	1714.82	2109.00	2517.09	2925.18	3333.27
0.64	89.28	492.90	897.35	1302.20	1724.32	2117.50	2525.59	2933.68	3341.77
0.68	100.98	498.22	905.76	1310.70	1733.82	2126.00	2534.09	2942.18	3350.27
0.72	109.18	509.53	914.17	1319.20	1743.32	2134.50	2542.59	2950.68	3358.77
0.77	117.47	517.85	922.58	1327.71	1752.82	2143.00	2551.09	2959.19	3367.28
0.81	125.76	526.16	930.98	1336.21	1762.33	2151.50	2559.60	2967.69	3375.78
0.85	134.04	534.48	939.39	1344.71	1771.83	2160.01	2568.10	2976.19	3384.28
0.89	142.34	542.79	947.80	1353.21	1781.33	2168.51	2576.60	2984.69	3392.78
0.94	150.65	551.11	956.22	1361.72	1790.83	2177.01	2585.10	2993.19	3401.28
0.98	158.96	559.42	964.63	1370.22	1800.34	2185.51	2593.60	3001.69	3409.78
1.02	167.28	567.74	973.04	1378.72	1809.84	2194.02	2602.10	3010.19	3418.29
1.06	175.59	576.05	981.46	1387.22	1819.34	2202.52	2610.60	3018.69	3426.79
1.11	183.89	584.36	989.87	1395.72	1828.84	2211.02	2619.10	3027.19	3435.29
1.15	192.20	592.67	998.28	1404.23	1838.34	2219.52	2627.60	3035.69	3443.79
1.19	200.51	601.00	1006.69	1412.73	1847.84	2228.02	2636.10	3044.19	3452.29
1.23	208.82	609.31	1015.10	1421.23	1857.34	2236.52	2644.60	3052.69	3460.79
1.28	217.14	617.62	1023.52	1429.74	1866.84	2245.02	2653.10	3061.19	3469.29
1.32	225.45	625.93	1031.93	1438.24	1876.34	2253.52	2661.60	3069.69	3477.79
1.36	233.77	634.24	1040.34	1446.74	1885.84	2262.02	2670.10	3078.19	3486.29
1.40	242.08	642.55	1048.76	1455.24	1895.34	2270.52	2678.60	3086.69	3494.79
1.45	250.39	650.86	1057.17	1463.74	1904.84	2279.02	2687.10	3095.19	3503.29
1.49	258.70	659.17	1065.58	1472.25	1914.34	2287.52	2695.60	3103.69	3511.79
1.53	267.01	667.48	1074.00	1480.75	1923.84	2296.02	2704.10	3112.19	3520.29
1.58	275.32	675.79	1082.42	1489.25	1933.34	2304.52	2712.60	3120.69	3528.79
1.62	283.63	684.10	1090.84	1497.76	1942.84	2313.02	2721.10	3129.19	3537.29
1.66	291.94	692.41	1099.25	1506.26	1952.34	2321.52	2729.60	3137.69	3545.79
1.70	300.25	700.72	1107.66	1514.76	1961.84	2330.02	2738.10	3146.19	3554.29
1.74	308.56	709.03	1116.08	1523.26	1971.34	2338.52	2746.60	3154.69	3562.79
1.78	316.87	717.34	1124.49	1531.76	1980.84	2347.02	2755.10	3163.19	3571.29
1.82	325.18	725.65	1132.90	1540.26	1990.34	2355.52	2763.60	3171.69	3579.79
1.86	333.49	733.96	1141.31	1548.76	2000.84	2364.02	2772.10	3180.19	3588.29
1.90	341.80	742.27	1149.72	1557.26	2010.34	2372.52	2780.60	3188.69	3596.79
1.94	350.11	750.58	1158.13	1565.76	2020.84	2381.02	2789.10	3197.19	3605.29
1.98	358.42	758.89	1166.54	1574.26	2030.34	2389.52	2797.60	3205.69	3613.79

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MARINE CHAPTER 27.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP
GAUGE POINT: (18" ULLAGE HATCH) LOCATED 01'-00" OFF CENTERLINE AND 03'-00" FORWARD OF AFT BULKHEAD.

SHEET NO. 1 OF 12

PRECISION MEASUREMENT
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CERTIFIED CORRECT FOR THE ABOVE-NAMED TANK ONLY.



BARGE FMT 5072

1 PORT
INNAGE TABLE

GAUGES GIVEN IN BARRELS OF 42 U.S. GALLONS

10' ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.			GAUGE HEIGHT 17'-10 1/2"			
IN	FT.	IN	IN	FT.	IN	
0	3,622.33	0	4,030.42	4,438.52	0	
1/4	3,630.64	1/4	4,038.93	4,447.02	1/4	4,844.16
1/2	3,638.34	1/2	4,047.43	4,455.52	1/2	4,852.66
3/4	3,647.84	3/4	4,056.93	4,464.02	3/4	4,861.16
1	3,656.34	1	4,064.43	4,472.52	1	4,877.27
1 1/4	3,664.84	1 1/4	4,072.93	4,481.03	1 1/4	4,885.77
1 1/2	3,673.34	1 1/2	4,081.44	4,489.53	1 1/2	4,893.78
1 3/4	3,681.85	1 3/4	4,089.94	4,498.03	1 3/4	4,901.99
2	3,690.35	2	4,098.44	4,506.53	2	4,910.23
2 1/4	3,698.85	2 1/4	4,106.94	4,515.03	2 1/4	4,918.43
2 1/2	3,707.35	2 1/2	4,115.44	4,523.53	2 1/2	4,926.63
2 3/4	3,715.85	2 3/4	4,123.95	4,532.04	2 3/4	4,934.84
3	3,724.35	3	4,132.45	4,540.54	3	4,943.04
3 1/4	3,732.85	3 1/4	4,140.95	4,549.04	3 1/4	4,951.24
3 1/2	3,741.36	3 1/2	4,149.45	4,557.54	3 1/2	4,959.38
3 3/4	3,749.86	3 3/4	4,157.95	4,566.04	3 3/4	4,967.65
4	3,758.36	4	4,166.45	4,574.55	4	4,975.72
4 1/4	3,766.87	4 1/4	4,174.95	4,583.05	4 1/4	4,983.85
4 1/2	3,775.37	4 1/2	4,183.46	4,591.55	4 1/2	4,991.99
4 3/4	3,783.87	4 3/4	4,191.96	4,600.05	4 3/4	5,000.12
5	3,792.37	5	4,200.46	4,608.55	5	5,008.26
5 1/4	3,800.87	5 1/4	4,208.96	4,617.06	5 1/4	5,016.35
5 1/2	3,809.38	5 1/2	4,217.47	4,625.56	5 1/2	5,024.45
5 3/4	3,817.88	5 3/4	4,225.97	4,634.06	5 3/4	5,032.55
6	3,826.38	6	4,234.47	4,642.56	6	5,040.64
6 1/4	3,834.88	6 1/4	4,242.97	4,651.06	6 1/4	5,048.80
6 1/2	3,843.38	6 1/2	4,251.47	4,659.56	6 1/2	5,057.21
6 3/4	3,851.88	6 3/4	4,259.96	4,668.03	6 3/4	5,065.76
7	3,860.39	7	4,268.46	4,676.52	7	5,072.80
7 1/4	3,868.88	7 1/4	4,276.96	4,684.98	7 1/4	5,080.81
7 1/2	3,877.39	7 1/2	4,285.46	4,693.43	7 1/2	5,088.81
7 3/4	3,885.89	7 3/4	4,293.96	4,701.89	7 3/4	5,096.82
8	3,894.39	8	4,302.46	4,710.34	8	5,104.82
8 1/4	3,902.89	8 1/4	4,310.96	4,718.78	8 1/4	5,112.79
8 1/2	3,911.40	8 1/2	4,319.46	4,727.17	8 1/2	5,120.76
8 3/4	3,919.90	8 3/4	4,327.96	4,735.59	8 3/4	5,128.73
9	3,928.40	9	4,336.46	4,744.01	9	5,136.70
9 1/4	3,936.90	9 1/4	4,344.96	4,752.38	9 1/4	5,144.63
9 1/2	3,945.41	9 1/2	4,353.46	4,760.77	9 1/2	5,152.56
9 3/4	3,953.91	9 3/4	4,361.96	4,769.15	9 3/4	5,160.50
10	3,962.41	10	4,370.46	4,777.53	10	5,168.43
10 1/4	3,970.91	10 1/4	4,378.96	4,785.88	10 1/4	5,176.33
10 1/2	3,979.41	10 1/2	4,387.46	4,794.23	10 1/2	5,184.23
10 3/4	3,987.91	10 3/4	4,395.96	4,802.57	10 3/4	5,192.12
11	3,996.42	11	4,404.46	4,810.92	11	5,200.02
11 1/4	4,004.92	11 1/4	4,413.01	4,819.23	11 1/4	5,207.89
11 1/2	4,013.42	11 1/2	4,421.51	4,827.54	11 1/2	5,215.78
11 3/4	4,021.92	11 3/4	4,430.01	4,835.85	11 3/4	5,223.61

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CANCEL AND SUPERCEDES
ALL PRIOR TO 042016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

PRECISION MEASUREMENT & ANALYSIS, INC.
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BARGE FMT 5072

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS			10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP			GAUGE HEIGHT 17'-10"				
IN	FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0.00	13.03	388.02	770.89	1,175.86	1,594.75	1,992.17	2,399.59	2,807.48	3,216.33
1/4	0.04	16.40	376.33	779.44	1,188.35	1,593.24	2,000.69	2,408.09	2,816.96	3,223.33
1/2	0.09	19.75	364.64	787.88	1,195.85	1,601.74	2,009.68	2,415.59	2,824.46	3,231.42
3/4	0.13	23.10	352.95	796.33	1,203.35	1,610.24	2,017.65	2,425.09	2,832.95	3,240.52
1	0.17	26.45	341.27	804.78	1,210.85	1,618.74	2,026.11	2,434.65	2,841.45	3,249.32
1 1/4	0.21	29.80	329.58	813.23	1,218.34	1,627.23	2,034.47	2,442.08	2,849.95	3,257.92
1 1/2	0.25	33.05	317.89	821.67	1,225.84	1,635.73	2,042.99	2,450.57	2,858.44	3,266.94
1 3/4	0.30	36.30	306.20	830.12	1,233.34	1,644.23	2,051.39	2,459.07	2,866.94	3,274.51
2	0.34	39.55	294.51	838.57	1,240.84	1,652.73	2,059.85	2,467.57	2,875.44	3,283.51
2 1/4	0.38	42.80	282.82	847.02	1,248.34	1,661.22	2,068.31	2,476.06	2,883.93	3,291.51
2 1/2	0.43	46.05	271.13	855.46	1,255.83	1,669.72	2,076.77	2,484.56	2,892.43	3,300.50
2 3/4	0.47	49.30	259.44	863.91	1,263.33	1,678.22	2,085.23	2,493.05	2,900.93	3,308.50
3	0.51	52.55	247.75	872.36	1,270.83	1,686.72	2,093.68	2,501.56	2,909.43	3,317.50
3 1/4	0.55	55.80	236.06	880.81	1,278.33	1,695.22	2,102.18	2,510.05	2,917.92	3,325.79
3 1/2	0.59	59.05	224.37	889.25	1,285.82	1,703.71	2,110.58	2,518.55	2,926.42	3,334.29
3 3/4	0.64	62.30	212.68	897.70	1,293.32	1,712.21	2,118.18	2,527.05	2,934.92	3,342.79
4	0.68	65.55	201.00	906.16	1,300.82	1,720.71	2,127.68	2,535.55	2,943.42	3,351.29
4 1/4	0.72	68.80	189.31	914.60	1,308.32	1,729.21	2,136.17	2,544.04	2,951.91	3,359.78
4 1/2	0.77	72.05	177.62	923.05	1,315.82	1,737.70	2,144.67	2,552.54	2,960.41	3,368.28
4 3/4	0.81	75.30	165.93	931.49	1,323.31	1,746.20	2,153.17	2,561.04	2,968.91	3,376.78
5	0.85	78.55	154.24	939.94	1,330.81	1,754.70	2,161.68	2,569.53	2,977.41	3,385.28
5 1/4	0.89	81.80	142.55	948.39	1,338.31	1,763.20	2,170.18	2,578.03	2,985.90	3,393.77
5 1/2	0.94	85.05	130.86	956.83	1,345.81	1,771.69	2,178.66	2,586.53	2,994.40	3,402.27
5 3/4	0.98	88.30	119.17	965.28	1,353.31	1,780.19	2,187.16	2,595.03	3,002.90	3,410.77
6	1.02	91.55	107.48	973.72	1,360.80	1,788.69	2,195.65	2,603.52	3,011.39	3,419.28
6 1/4	1.06	94.80	95.79	982.17	1,368.30	1,797.18	2,204.15	2,612.02	3,019.89	3,427.78
6 1/2	1.11	98.05	84.10	990.61	1,375.80	1,805.68	2,212.65	2,620.52	3,028.38	3,436.28
6 3/4	1.15	101.30	72.41	999.05	1,383.30	1,814.18	2,221.15	2,629.02	3,036.88	3,444.78
7	1.19	104.55	60.72	1,007.50	1,390.80	1,822.68	2,229.64	2,637.51	3,045.38	3,453.28
7 1/4	1.23	107.80	49.03	1,015.94	1,398.30	1,831.18	2,238.14	2,646.01	3,053.88	3,461.78
7 1/2	1.28	111.05	37.34	1,024.38	1,405.80	1,839.68	2,246.64	2,654.51	3,062.38	3,470.28
7 3/4	1.32	114.30	25.65	1,032.82	1,413.30	1,848.17	2,255.13	2,663.01	3,070.88	3,478.78
8	1.36	117.55	13.96	1,041.27	1,420.80	1,856.67	2,263.63	2,671.50	3,079.37	3,487.28
8 1/4	1.40	120.80	2.27	1,049.71	1,428.30	1,865.17	2,272.13	2,680.00	3,087.87	3,495.78
8 1/2	1.45	124.05	10.58	1,058.15	1,435.80	1,873.67	2,280.63	2,688.50	3,096.37	3,504.28
8 3/4	1.49	127.30	18.89	1,066.60	1,443.30	1,882.17	2,289.12	2,696.99	3,104.86	3,512.78
9	1.53	130.55	27.20	1,075.04	1,450.80	1,890.66	2,297.62	2,705.49	3,113.36	3,521.28
9 1/4	1.57	133.80	35.51	1,083.49	1,458.30	1,899.12	2,306.12	2,713.99	3,121.86	3,529.78
9 1/2	1.62	137.05	43.82	1,091.93	1,465.80	1,907.59	2,314.62	2,722.48	3,130.36	3,538.28
9 3/4	1.66	140.30	52.13	1,100.38	1,473.30	1,916.04	2,323.11	2,730.98	3,138.85	3,546.78
10	1.70	143.55	60.44	1,108.82	1,480.80	1,924.54	2,331.61	2,739.48	3,147.35	3,555.28
10 1/4	1.74	146.80	68.75	1,117.27	1,488.30	1,932.96	2,340.11	2,747.98	3,155.85	3,563.78
10 1/2	1.79	150.05	77.06	1,125.71	1,495.80	1,941.41	2,348.60	2,756.48	3,164.35	3,572.28
10 3/4	1.83	153.30	85.37	1,134.16	1,503.30	1,949.86	2,357.10	2,764.98	3,172.84	3,580.78
11	1.87	156.55	93.68	1,142.60	1,510.80	1,958.34	2,365.60	2,773.47	3,181.34	3,589.28
11 1/4	1.91	159.80	101.99	1,151.05	1,518.30	1,966.80	2,374.10	2,781.97	3,189.83	3,597.78
11 1/2	1.96	163.05	110.30	1,159.49	1,525.80	1,975.26	2,382.59	2,790.46	3,198.33	3,606.28
11 3/4	1.99	166.30	118.61	1,167.94	1,533.30	1,983.72	2,391.09	2,798.95	3,206.83	3,614.78

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MARSA CHAPTER 27.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT "A" ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP.
GAUGE POINT: (10" ULLAGE HATCH LOCATED 91'-00" OFF CENTERLINE AND 03'-00" FORWARD OF AFT BULKHEAD.)

PRECISION MEASUREMENT
P.O. BOX 207
P.M.A. 207288
http://www.pmaonline.net

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY



BARGE FMT 5072

1 STBD
INNAGE TABLE

CALCULATED BY BARRETS & OF 40 U.S. GALLONS

Table with columns for GAUGE HEIGHT (10 FT. to 19 FT.) and rows for various measurements (e.g., 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19). The table contains numerical data for each measurement across the different gauge heights.

STRAPPED: 04/22/2016 CL
CALCULATED: 04/22/2016 CL
PRINTED: 04/22/2016 JS
CANCEL AND SUPERCEDE
ALL PRIOR TO 04/22/16

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY
PRECISION MEASUREMENT
& ANALYSIS INC.
Portland, Ore 97208
http://www.primcorp.net



BARGE FMT 5072

2 PORT INNAGE TABLE

DIMENSIONS GIVEN IN PARALLELS OF 42 U.S. GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP										
GAUGE HEIGHT 17'-10"										
IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
IN	0	0	0	0	0	0	0	0	0	0
0	0.00	11.88	239.01	699.95	1,035.80	1,397.69	1,792.00	2,196.47	2,492.86	2,659.23
1/4	0.04	14.88	337.46	697.16	1,043.15	1,406.33	1,799.56	2,196.47	2,492.86	2,659.23
1/2	0.09	17.89	344.90	704.35	1,050.40	1,412.98	1,777.02	2,141.74	2,508.12	2,874.50
3/4	0.13	20.89	352.35	711.65	1,057.65	1,420.59	1,744.49	2,167.00	2,515.75	2,882.13
1	0.17	23.89	359.79	718.95	1,064.90	1,428.23	1,731.95	2,157.00	2,487.58	2,859.76
1 1/4	0.21	26.17	367.23	726.59	1,072.15	1,435.86	1,719.42	2,164.64	2,511.01	2,897.79
1 1/2	0.26	32.45	374.66	734.15	1,079.39	1,443.49	1,806.89	2,172.27	2,538.66	2,906.03
1 3/4	0.30	36.72	382.10	740.85	1,086.64	1,451.13	1,814.35	2,179.90	2,546.28	2,912.86
2	0.34	41.00	389.53	747.65	1,093.89	1,458.78	1,821.82	2,187.53	2,553.91	2,920.29
2 1/4	0.38	46.55	396.98	754.75	1,101.14	1,466.39	1,829.29	2,195.17	2,561.55	2,927.53
2 1/2	0.43	52.10	404.42	761.95	1,108.39	1,474.03	1,836.76	2,202.80	2,569.18	2,934.77
2 3/4	0.47	57.65	412.87	769.15	1,115.64	1,481.66	1,844.22	2,210.43	2,576.81	2,942.01
3	0.51	63.20	421.32	776.34	1,122.89	1,489.29	1,851.69	2,218.07	2,584.44	2,949.25
3 1/4	0.55	70.81	429.76	783.54	1,130.52	1,496.93	1,859.32	2,225.70	2,592.08	2,956.49
3 1/2	0.60	78.32	438.21	790.74	1,138.16	1,504.56	1,867.95	2,233.33	2,599.71	2,963.73
3 3/4	0.64	83.86	446.65	797.94	1,145.79	1,512.19	1,876.58	2,240.96	2,607.34	2,970.97
4	0.68	90.47	455.10	805.14	1,153.42	1,519.83	1,885.22	2,248.50	2,614.98	2,978.21
4 1/4	0.72	97.99	463.55	812.34	1,161.06	1,527.46	1,893.86	2,256.23	2,622.61	2,985.45
4 1/2	0.77	106.31	472.00	819.54	1,168.69	1,535.09	1,897.48	2,263.86	2,630.24	2,992.69
4 3/4	0.81	112.73	479.98	826.74	1,176.32	1,542.73	1,906.12	2,271.50	2,637.88	3,000.25
5	0.85	120.19	488.33	833.94	1,183.95	1,550.36	1,914.75	2,279.13	2,645.51	3,007.81
5 1/4	0.89	127.89	496.78	841.14	1,191.59	1,557.99	1,923.38	2,286.76	2,653.14	3,015.37
5 1/2	0.94	136.63	505.22	848.35	1,199.22	1,565.63	1,932.02	2,294.39	2,660.77	3,022.93
5 3/4	0.98	144.46	513.67	855.55	1,206.85	1,573.26	1,940.66	2,302.03	2,668.41	3,030.49
6	1.02	149.90	522.10	862.75	1,214.49	1,580.89	1,949.00	2,310.26	2,676.04	3,038.05
6 1/4	1.06	157.34	530.53	869.96	1,222.12	1,588.53	1,957.34	2,317.89	2,683.67	3,045.61
6 1/2	1.11	164.79	538.97	877.16	1,229.75	1,596.16	1,965.68	2,325.52	2,691.31	3,053.17
6 3/4	1.15	172.23	547.40	884.37	1,237.38	1,603.79	1,974.02	2,333.15	2,698.94	3,060.73
7	1.19	179.68	554.78	891.57	1,245.01	1,611.43	1,982.36	2,340.79	2,706.57	3,068.29
7 1/4	1.23	187.12	564.16	898.77	1,252.64	1,619.06	1,990.70	2,348.42	2,714.20	3,075.85
7 1/2	1.28	194.57	573.53	905.98	1,260.28	1,626.69	1,999.04	2,356.05	2,721.84	3,083.41
7 3/4	1.32	202.01	582.91	913.18	1,267.91	1,634.33	2,007.38	2,363.68	2,729.47	3,091.35
8	1.36	209.46	592.28	920.39	1,275.55	1,641.96	2,015.71	2,371.31	2,737.10	3,100.28
8 1/4	1.40	217.01	601.65	927.59	1,283.19	1,649.60	2,024.05	2,378.94	2,744.74	3,111.11
8 1/2	1.45	224.32	610.92	934.79	1,290.83	1,657.23	2,032.24	2,386.57	2,752.37	3,118.76
8 3/4	1.49	232.33	620.19	942.00	1,298.46	1,664.86	2,040.43	2,394.20	2,760.00	3,126.39
9	1.53	239.98	629.46	949.20	1,306.09	1,672.50	2,048.61	2,401.83	2,767.63	3,134.01
9 1/4	1.57	247.67	638.73	956.41	1,313.73	1,679.96	2,056.74	2,411.25	2,775.26	3,141.65
9 1/2	1.62	255.19	648.00	963.63	1,321.36	1,687.43	2,064.87	2,421.15	2,782.89	3,149.28
9 3/4	1.66	262.82	657.29	970.84	1,328.99	1,694.89	2,072.91	2,431.15	2,790.52	3,156.91
10	1.70	270.44	666.58	978.05	1,336.63	1,702.36	2,080.95	2,441.15	2,798.15	3,164.55
10 1/4	2.34	277.89	675.87	985.26	1,344.26	1,709.83	2,073.04	2,451.15	2,806.79	3,172.18
10 1/2	2.37	285.33	685.16	992.48	1,351.89	1,717.29	2,081.12	2,461.15	2,815.43	3,179.81
10 3/4	2.41	292.78	694.45	999.69	1,359.52	1,724.76	2,089.21	2,471.15	2,824.06	3,187.44
11	2.45	300.22	703.74	1,006.90	1,367.15	1,732.23	2,097.30	2,481.15	2,832.70	3,195.06
11 1/4	2.49	307.67	713.03	1,014.11	1,374.79	1,739.69	2,105.39	2,491.15	2,841.34	3,202.71
11 1/2	2.53	315.12	722.32	1,021.32	1,382.33	1,747.16	2,113.48	2,501.15	2,849.98	3,210.34
11 3/4	2.57	322.56	731.61	1,028.55	1,390.08	1,754.82	2,121.84	2,511.15	2,858.62	3,217.98

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MEMO CHAPTER 27.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO BARGE GAUGES TAKEN AT 0" ULLAGE HATCH ON EXPANSION POWER MEASURED TO BOTTOM OF SUMP
GAUGE POINT: (10" ULLAGE HATCH) LOCATED 0'-00" OFF CENTERLINE AND 03'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
P.O. Box 2032
Pasadena, Texas 77868
http://www.pma.com



BARGE FMT 5072

2 PORT
INNAGE TABLE

GAUGE HEIGHT 17'-10"

CALCULATED COVER IN BARRELS OF 42 U.S. GALLONS			10' ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP										GAUGE HEIGHT 17'-10"		
	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.					
IN	0	0	0	0	0	0	0	0	0	0	0	0	0		
IN	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4		
IN	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2		
IN	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4		
IN	1	1	1	1	1	1	1	1	1	1	1	1	1		
IN	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 1/4		
IN	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	1 1/2		
IN	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4		
IN	2	2	2	2	2	2	2	2	2	2	2	2	2		
IN	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4		
IN	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2		
IN	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4		
IN	3	3	3	3	3	3	3	3	3	3	3	3	3		
IN	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4		
IN	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2		
IN	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4		
IN	4	4	4	4	4	4	4	4	4	4	4	4	4		
IN	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4		
IN	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2		
IN	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4		
IN	5	5	5	5	5	5	5	5	5	5	5	5	5		
IN	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4		
IN	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2		
IN	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4		
IN	6	6	6	6	6	6	6	6	6	6	6	6	6		
IN	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4		
IN	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2		
IN	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4		
IN	7	7	7	7	7	7	7	7	7	7	7	7	7		
IN	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4		
IN	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2		
IN	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4		
IN	8	8	8	8	8	8	8	8	8	8	8	8	8		
IN	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4		
IN	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2		
IN	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4		
IN	9	9	9	9	9	9	9	9	9	9	9	9	9		
IN	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4		
IN	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2		
IN	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4		
IN	10	10	10	10	10	10	10	10	10	10	10	10	10		
IN	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4		
IN	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2		
IN	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4		
IN	11	11	11	11	11	11	11	11	11	11	11	11	11		
IN	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4		
IN	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2		
IN	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4		
IN	12	12	12	12	12	12	12	12	12	12	12	12	12		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 04/23/2016 CL
CALCULATED: 04/23/2016 CL
PRINTED: 04/23/2016 JS
CANCELS AND SUPERCEDES
ALL PRIOR TO 04/20/16

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 202
Aurora, IL 60501
http://www.precision.net



BARGE FMT 5072

**2 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS											
10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP											
GAUGE HEIGHT 17'-10"											
IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	9 FT.
0	0.00	14.98	330.21	691.92	1,066.52	1,423.14	1,787.76	2,162.37	2,518.97	2,898.58	0
1	0.04	14.89	337.66	699.50	1,076.23	1,430.78	1,795.23	2,160.00	2,536.61	2,925.21	1
2	0.09	14.70	345.11	707.09	1,077.79	1,438.42	1,802.70	2,167.64	2,544.25	2,930.85	2
3	0.13	20.90	352.56	714.65	1,079.43	1,446.06	1,810.12	2,175.28	2,551.88	2,938.49	3
4	0.17	28.91	360.01	722.27	1,081.07	1,453.69	1,817.64	2,182.92	2,559.52	2,946.13	4
5	0.21	28.19	367.46	729.86	1,082.71	1,461.33	1,825.12	2,190.55	2,567.16	2,953.76	5
6	0.26	32.47	374.89	737.44	1,084.34	1,468.97	1,832.59	2,198.19	2,574.80	2,961.40	6
7	0.30	35.75	382.33	745.03	1,085.98	1,476.61	1,840.06	2,205.83	2,582.43	2,969.04	7
8	0.34	41.02	389.77	752.62	1,087.52	1,484.24	1,847.53	2,213.47	2,590.07	2,976.68	8
9	0.38	46.58	397.22	760.21	1,089.06	1,491.88	1,855.00	2,221.10	2,597.71	2,984.31	9
10	0.43	52.13	404.67	767.80	1,090.52	1,499.52	1,862.47	2,228.74	2,605.35	2,991.95	10
11	0.47	57.68	412.12	775.38	1,091.99	1,507.16	1,869.94	2,236.38	2,612.98	2,999.59	11
12	0.51	63.23	419.57	782.97	1,093.43	1,514.80	1,877.41	2,244.02	2,620.62	3,007.23	12
13	0.55	63.23	427.03	790.56	1,094.87	1,522.43	1,884.86	2,251.65	2,628.26	3,014.87	13
14	0.59	70.06	434.48	798.15	1,096.31	1,530.07	1,892.33	2,259.29	2,635.89	3,022.50	14
15	0.64	76.48	441.93	805.73	1,097.75	1,537.71	1,900.80	2,266.93	2,643.53	3,030.14	15
16	0.68	83.70	449.38	813.32	1,099.19	1,545.35	1,909.35	2,274.57	2,651.17	3,037.78	16
17	0.72	97.96	456.83	820.91	1,100.63	1,552.99	1,917.90	2,282.21	2,658.81	3,045.41	17
18	0.77	106.38	464.28	828.50	1,102.07	1,560.62	1,926.45	2,289.84	2,666.45	3,053.05	18
19	0.81	112.80	471.73	836.09	1,103.51	1,568.26	1,935.00	2,297.48	2,674.09	3,060.69	19
20	0.85	120.23	479.18	843.67	1,104.95	1,575.90	1,943.55	2,305.12	2,681.73	3,068.33	20
21	0.89	127.67	486.63	851.27	1,106.39	1,583.54	1,952.10	2,312.76	2,689.37	3,075.97	21
22	0.94	135.11	494.08	858.86	1,107.83	1,591.18	1,960.65	2,320.39	2,697.01	3,083.60	22
23	0.98	142.55	501.53	866.45	1,109.27	1,598.81	1,969.20	2,328.03	2,704.65	3,091.24	23
24	1.02	149.99	508.98	874.04	1,110.71	1,606.45	1,977.75	2,335.67	2,712.29	3,098.88	24
25	1.06	157.44	516.51	881.64	1,112.15	1,614.09	1,986.30	2,343.31	2,719.93	3,106.52	25
26	1.11	164.88	524.24	889.23	1,113.59	1,621.73	1,995.15	2,350.95	2,727.57	3,114.16	26
27	1.15	172.34	531.86	896.82	1,115.03	1,629.37	1,999.80	2,358.59	2,735.21	3,121.80	27
28	1.19	179.79	539.49	904.42	1,116.47	1,637.01	2,004.45	2,366.23	2,742.85	3,129.44	28
29	1.23	187.24	547.12	912.01	1,117.91	1,644.65	2,009.10	2,373.87	2,750.49	3,137.08	29
30	1.28	194.69	554.74	919.60	1,119.35	1,652.29	2,013.75	2,381.51	2,758.13	3,144.72	30
31	1.32	202.14	562.37	927.19	1,120.79	1,659.92	2,018.40	2,389.15	2,765.77	3,152.36	31
32	1.36	209.59	570.00	934.78	1,122.23	1,667.56	2,023.05	2,396.79	2,773.41	3,160.00	32
33	1.40	217.22	577.63	942.38	1,123.67	1,675.19	2,027.70	2,404.43	2,781.05	3,167.64	33
34	1.45	224.84	585.26	949.97	1,125.11	1,682.83	2,032.35	2,412.07	2,788.69	3,175.28	34
35	1.49	232.47	592.89	957.56	1,126.55	1,690.47	2,037.00	2,419.71	2,796.33	3,182.92	35
36	1.53	240.10	600.51	965.15	1,127.99	1,698.11	2,041.65	2,427.35	2,803.97	3,190.56	36
37	1.57	247.73	608.13	972.75	1,129.43	1,705.75	2,046.30	2,435.00	2,811.61	3,198.20	37
38	1.62	255.35	615.76	980.36	1,130.87	1,713.39	2,050.95	2,442.64	2,819.25	3,205.84	38
39	1.66	262.98	623.39	987.98	1,132.31	1,721.03	2,055.60	2,450.28	2,826.89	3,213.48	39
40	1.70	270.61	631.01	995.59	1,133.75	1,728.67	2,060.25	2,457.93	2,834.53	3,221.12	40
41	2.34	278.06	638.65	1,003.18	1,135.19	1,736.31	2,064.90	2,465.57	2,842.17	3,228.76	41
42	2.97	285.51	646.29	1,010.78	1,136.63	1,743.95	2,069.55	2,473.21	2,849.81	3,236.40	42
43	3.61	292.96	653.93	1,018.38	1,138.07	1,751.59	2,074.20	2,480.85	2,857.45	3,244.04	43
44	4.25	300.41	661.56	1,025.98	1,139.51	1,759.23	2,078.85	2,487.89	2,865.09	3,251.68	44
45	6.07	307.86	669.19	1,033.58	1,140.95	1,766.87	2,083.50	2,494.93	2,872.73	3,259.32	45
46	8.16	315.31	676.74	1,041.24	1,142.39	1,774.51	2,088.15	2,501.97	2,880.37	3,266.96	46
47	9.98	322.76	684.33	1,048.89	1,143.83	1,782.15	2,092.80	2,509.01	2,888.01	3,274.60	47

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NIPRS CHAPTER 27.
 CAPACITY TABLE ONLY APPLIES WHEN BARRE IN ON EVEN KEEL.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 4" ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP.
 GAUGE POINT: (10" ULLAGE HATCH) LOCATED 91'-00" OFF CENTERLINE AND 93'-00" FORWARD OF AFT BULKHEAD.

[Signature]

PRECISION MEASUREMENT
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BARGE FMT 5072

2 STBD INNAGE TABLE

DIMENSIONS GIVEN IN BARRISLS OF 42 U.S. GALLONS			10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.			GAUGE HEIGHT 17"-10"			
IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.
0	0	0	0	0	0	0	0	0	0
1/2	3,252.18	1/2	3,678.79	1/2	3,985.09	1/2	4,291.39	1/2	4,597.69
1	3,257.45	1	3,682.42	1	3,993.03	1	4,304.40	1	4,610.43
3/4	3,272.09	3/4	3,694.06	3/4	4,008.57	3/4	4,317.43	3/4	4,623.46
1	3,282.73	1	3,701.70	1	4,023.30	1	4,329.41	1	4,635.44
1 1/4	3,290.37	1 1/4	3,696.67	1 1/4	4,033.58	1 1/4	4,338.61	1 1/4	4,643.47
1 1/2	3,298.01	1 1/2	3,664.81	1 1/2	4,031.22	1 1/2	4,334.21	1 1/2	4,638.46
1 3/4	3,305.64	1 3/4	3,672.25	1 3/4	4,036.85	1 3/4	4,337.80	1 3/4	4,640.45
2	3,313.28	2	3,679.89	2	4,046.49	2	4,343.37	2	4,643.45
2 1/4	3,320.92	2 1/4	3,687.52	2 1/4	4,054.13	2 1/4	4,348.47	2 1/4	4,646.45
2 1/2	3,328.56	2 1/2	3,695.16	2 1/2	4,061.77	2 1/2	4,353.73	2 1/2	4,649.45
2 3/4	3,336.19	2 3/4	3,702.80	2 3/4	4,069.40	2 3/4	4,358.47	2 3/4	4,652.44
3	3,343.83	3	3,710.44	3	4,077.04	3	4,363.10	3	4,655.43
3 1/4	3,351.47	3 1/4	3,718.07	3 1/4	4,084.68	3 1/4	4,367.73	3 1/4	4,658.42
3 1/2	3,359.11	3 1/2	3,725.71	3 1/2	4,092.32	3 1/2	4,372.36	3 1/2	4,661.41
3 3/4	3,366.74	3 3/4	3,733.35	3 3/4	4,099.96	3 3/4	4,376.99	3 3/4	4,664.40
4	3,374.38	4	3,740.99	4	4,107.59	4	4,381.62	4	4,667.39
4 1/4	3,382.02	4 1/4	3,748.62	4 1/4	4,115.23	4 1/4	4,386.25	4 1/4	4,670.38
4 1/2	3,389.66	4 1/2	3,756.26	4 1/2	4,122.87	4 1/2	4,390.88	4 1/2	4,673.37
4 3/4	3,397.29	4 3/4	3,763.90	4 3/4	4,130.50	4 3/4	4,395.51	4 3/4	4,676.36
5	3,404.93	5	3,771.54	5	4,138.14	5	4,400.14	5	4,679.35
5 1/4	3,412.57	5 1/4	3,779.17	5 1/4	4,145.78	5 1/4	4,404.77	5 1/4	4,682.34
5 1/2	3,420.21	5 1/2	3,786.81	5 1/2	4,153.42	5 1/2	4,409.40	5 1/2	4,685.33
5 3/4	3,427.85	5 3/4	3,794.45	5 3/4	4,161.05	5 3/4	4,414.03	5 3/4	4,688.32
6	3,435.48	6	3,802.09	6	4,168.69	6	4,418.66	6	4,691.31
6 1/4	3,443.12	6 1/4	3,809.73	6 1/4	4,176.33	6 1/4	4,423.29	6 1/4	4,694.30
6 1/2	3,450.76	6 1/2	3,817.36	6 1/2	4,183.97	6 1/2	4,427.92	6 1/2	4,697.29
6 3/4	3,458.40	6 3/4	3,825.00	6 3/4	4,191.61	6 3/4	4,432.55	6 3/4	4,700.28
7	3,466.03	7	3,832.64	7	4,199.25	7	4,437.18	7	4,703.27
7 1/4	3,473.67	7 1/4	3,840.28	7 1/4	4,206.89	7 1/4	4,441.81	7 1/4	4,706.26
7 1/2	3,481.31	7 1/2	3,847.91	7 1/2	4,214.53	7 1/2	4,446.44	7 1/2	4,709.25
7 3/4	3,488.95	7 3/4	3,855.55	7 3/4	4,222.17	7 3/4	4,451.07	7 3/4	4,712.24
8	3,496.58	8	3,863.19	8	4,229.81	8	4,455.70	8	4,715.23
8 1/4	3,504.22	8 1/4	3,870.83	8 1/4	4,237.45	8 1/4	4,460.33	8 1/4	4,718.22
8 1/2	3,511.86	8 1/2	3,878.48	8 1/2	4,245.09	8 1/2	4,464.96	8 1/2	4,721.21
8 3/4	3,519.50	8 3/4	3,886.12	8 3/4	4,252.73	8 3/4	4,469.59	8 3/4	4,724.20
9	3,527.13	9	3,893.76	9	4,260.37	9	4,474.22	9	4,727.19
9 1/4	3,534.77	9 1/4	3,901.40	9 1/4	4,268.01	9 1/4	4,478.85	9 1/4	4,730.18
9 1/2	3,542.41	9 1/2	3,909.04	9 1/2	4,275.65	9 1/2	4,483.48	9 1/2	4,733.17
9 3/4	3,550.05	9 3/4	3,916.68	9 3/4	4,283.29	9 3/4	4,488.11	9 3/4	4,736.16
10	3,557.68	10	3,924.32	10	4,290.93	10	4,492.74	10	4,739.15
10 1/4	3,565.32	10 1/4	3,931.96	10 1/4	4,298.57	10 1/4	4,497.37	10 1/4	4,742.14
10 1/2	3,572.96	10 1/2	3,939.60	10 1/2	4,306.21	10 1/2	4,502.00	10 1/2	4,745.13
10 3/4	3,580.60	10 3/4	3,947.24	10 3/4	4,313.85	10 3/4	4,506.63	10 3/4	4,748.12
11	3,588.23	11	3,954.88	11	4,321.49	11	4,511.26	11	4,751.11
11 1/4	3,595.87	11 1/4	3,962.52	11 1/4	4,329.13	11 1/4	4,515.89	11 1/4	4,754.10
11 1/2	3,603.51	11 1/2	3,970.16	11 1/2	4,336.77	11 1/2	4,520.52	11 1/2	4,757.09
11 3/4	3,611.15	11 3/4	3,977.80	11 3/4	4,344.41	11 3/4	4,525.15	11 3/4	4,760.08

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Paul J. Lawrence
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CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY



BARGE FMT 5072

3 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

Table with 13 columns: 0 FT., 1 FT., 2 FT., 3 FT., 4 FT., 5 FT., 6 FT., 7 FT., 8 FT., 9 FT. and 10' ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP. Rows are numbered 1-22.

10' ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10"

BARGE STRAPED AND COMPUTED IN ACCORDANCE WITH MPM CHAPTER 27. CAPACITY TABLE ONLY APPLIES WHEN BARGE ON EVEN KEEL. CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK. CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 90° ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP. GAUGE POINT: (90° ULLAGE HATCH) LOCATED 91°-50' OFF CENTERLINE AND 82°-38' FORWARD OF LAT BULKHEAD.

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BARGE FMT 5072

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OR 42 U.S. GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.				GAUGE HEIGHT 17'-10"			
IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.
0	0.00	11.83	328.29	686.72	1,047.84	1,411.48	1,772.49
1/4	0.04	14.82	335.67	694.22	1,055.41	1,418.76	1,777.84
1/2	0.09	17.81	343.06	701.73	1,062.99	1,426.55	1,782.94
3/4	0.13	20.80	350.44	709.23	1,070.58	1,433.90	1,787.84
1	0.17	23.79	357.82	716.73	1,078.12	1,441.47	1,792.56
1 1/4	0.21	26.05	365.19	724.23	1,085.69	1,449.04	1,797.04
1 1/2	0.26	28.31	372.56	731.74	1,093.26	1,456.61	1,801.35
1 3/4	0.30	30.56	379.94	739.24	1,100.83	1,464.18	1,805.48
2	0.34	32.81	387.31	746.74	1,108.40	1,471.75	1,809.41
2 1/4	0.38	35.06	394.69	754.25	1,115.97	1,479.31	1,813.14
2 1/2	0.43	37.31	402.07	761.75	1,123.54	1,486.88	1,816.78
2 3/4	0.47	39.56	409.46	769.25	1,131.11	1,494.45	1,820.35
3	0.51	41.81	416.84	776.76	1,138.68	1,502.02	1,823.86
3 1/4	0.55	44.06	424.22	784.27	1,146.26	1,509.59	1,827.32
3 1/2	0.60	46.31	431.60	791.79	1,153.82	1,517.16	1,830.74
3 3/4	0.64	48.56	438.99	799.31	1,161.39	1,524.73	1,834.12
4	0.68	50.81	446.37	806.83	1,168.95	1,532.30	1,837.46
4 1/4	0.72	53.06	453.75	814.35	1,176.53	1,539.87	1,840.76
4 1/2	0.77	55.31	461.13	821.87	1,184.10	1,547.44	1,844.02
4 3/4	0.81	57.56	468.52	829.39	1,191.67	1,555.01	1,847.25
5	0.85	59.81	475.90	836.91	1,199.24	1,562.58	1,850.44
5 1/4	0.89	62.06	483.28	844.44	1,206.81	1,570.16	1,853.59
5 1/2	0.94	64.31	490.66	851.96	1,214.38	1,577.72	1,856.70
5 3/4	0.98	66.56	498.05	859.48	1,221.95	1,585.29	1,859.78
6	1.02	68.81	505.43	867.01	1,229.51	1,592.86	1,862.82
6 1/4	1.06	71.06	512.82	874.53	1,237.08	1,600.43	1,865.83
6 1/2	1.11	73.31	520.25	882.06	1,244.62	1,608.00	1,868.80
6 3/4	1.15	75.56	527.61	889.58	1,252.22	1,615.67	1,871.74
7	1.19	77.81	535.05	897.11	1,259.79	1,623.14	1,874.65
7 1/4	1.23	80.06	542.44	904.63	1,267.35	1,630.71	1,877.53
7 1/2	1.28	82.31	550.00	912.16	1,274.82	1,638.28	1,880.37
7 3/4	1.32	84.56	557.38	919.69	1,282.40	1,645.85	1,883.18
8	1.36	86.81	564.92	927.20	1,290.07	1,653.42	1,885.95
8 1/4	1.40	89.06	572.49	934.73	1,297.64	1,660.98	1,888.68
8 1/2	1.45	91.31	580.00	942.25	1,305.21	1,668.56	1,891.38
8 3/4	1.49	93.56	587.38	949.78	1,312.78	1,676.13	1,894.04
9	1.53	95.81	594.92	957.20	1,320.35	1,683.70	1,896.67
9 1/4	1.57	98.06	602.44	964.73	1,327.92	1,691.27	1,899.27
9 1/2	1.62	100.31	610.00	972.25	1,335.49	1,698.82	1,901.84
9 3/4	1.66	102.56	617.38	979.78	1,343.06	1,706.34	1,904.37
10	1.70	104.81	624.92	987.30	1,350.63	1,713.95	1,906.86
10 1/4	1.74	107.06	632.49	994.83	1,358.20	1,721.50	1,909.32
10 1/2	1.79	109.31	640.00	1,002.35	1,365.77	1,729.11	1,911.75
10 3/4	1.83	111.56	647.38	1,010.00	1,373.34	1,736.66	1,914.15
11	1.88	113.81	654.92	1,017.55	1,380.91	1,744.24	1,916.52
11 1/4	1.92	116.06	662.44	1,025.20	1,388.46	1,751.78	1,918.86
11 1/2	1.97	118.31	670.00	1,032.75	1,396.05	1,759.31	1,921.18
11 3/4	2.01	120.56	677.38	1,040.30	1,403.62	1,766.82	1,923.47
12	2.05	122.81	684.92	1,047.85	1,411.19	1,774.31	1,925.74

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API RP 22.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP.
 GAUGE POINT: 10" ULLAGE HATCH LOCATED 81'-98" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

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CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY



BARGE FMT 5072

3 STBD
INNAGE TABLE

CONVERTED OPEN IN BARRELS OF 42 U.S. GALLONS		10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP		GAUGE HEIGHT 17'-10"	
IN	FT.	IN	FT.	IN	FT.
0	3,291.25	0	3,582.75	0	4,104.58
1	3,277.80	1	3,569.31	1	4,090.88
2	3,265.35	2	3,557.86	2	4,111.48
3	3,242.90	3	3,506.42	3	4,114.98
4	3,250.45	4	3,512.97	4	4,118.28
5	3,265.00	5	3,520.53	5	4,121.66
6	3,280.55	6	3,528.08	6	4,125.05
7	3,277.11	7	3,535.64	7	4,128.43
8	3,288.21	8	3,543.19	8	4,131.82
9	3,295.76	9	3,550.75	9	4,135.19
10	3,303.32	10	3,558.30	10	4,138.56
11	3,310.87	11	3,565.86	11	4,141.93
12	3,318.42	12	3,573.41	12	4,145.30
13	3,325.97	13	3,580.97	13	4,148.65
14	3,333.52	14	3,588.52	14	4,152.01
15	3,341.07	15	3,596.08	15	4,155.37
16	3,348.62	16	3,603.63	16	4,158.72
17	3,356.18	17	3,611.18	17	4,162.06
18	3,363.73	18	3,618.73	18	4,165.40
19	3,371.28	19	3,626.28	19	4,168.74
20	3,378.83	20	3,633.83	20	4,172.09
21	3,386.38	21	3,641.38	21	4,175.44
22	3,393.93	22	3,648.93	22	4,178.78
23	3,401.49	23	3,656.49	23	4,182.12
24	3,409.04	24	3,664.04	24	4,185.46
25	3,416.59	25	3,671.59	25	4,188.80
26	3,424.14	26	3,679.14	26	4,192.14
27	3,431.69	27	3,686.69	27	4,195.48
28	3,439.24	28	3,694.24	28	4,198.82
29	3,446.80	29	3,701.79	29	4,202.16
30	3,454.35	30	3,709.34	30	4,205.50
31	3,461.90	31	3,716.89	31	4,208.84
32	3,469.45	32	3,724.44	32	4,212.18
33	3,477.00	33	3,731.99	33	4,215.52
34	3,484.56	34	3,739.54	34	4,218.86
35	3,492.11	35	3,747.09	35	4,222.20
36	3,499.66	36	3,754.64	36	4,225.54
37	3,507.21	37	3,762.19	37	4,228.88
38	3,514.76	38	3,769.74	38	4,232.22
39	3,522.31	39	3,777.29	39	4,235.56
40	3,529.87	40	3,784.84	40	4,238.90
41	3,537.42	41	3,792.39	41	4,242.24
42	3,544.97	42	3,800.00	42	4,245.58
43	3,552.53	43	3,807.55	43	4,248.92
44	3,560.08	44	3,815.10	44	4,252.26
45	3,567.64	45	3,822.65	45	4,255.60
46	3,575.20	46	3,830.20	46	4,258.94
47		47	3,837.75	47	4,262.28
48		48	3,845.30	48	4,265.62
49		49	3,852.85	49	4,268.96
50		50	3,860.40	50	4,272.30
51		51	3,867.95	51	4,275.64
52		52	3,875.50	52	4,278.98
53		53	3,883.05	53	4,282.32
54		54	3,890.60	54	4,285.66
55		55	3,898.15	55	4,289.00
56		56	3,905.70	56	4,292.34
57		57	3,913.25	57	4,295.68
58		58	3,920.80	58	4,299.02
59		59	3,928.35	59	4,302.36
60		60	3,935.90	60	4,305.70
61		61	3,943.45	61	4,309.04
62		62	3,951.00	62	4,312.38
63		63	3,958.55	63	4,315.72
64		64	3,966.10	64	4,319.06
65		65	3,973.65	65	4,322.40
66		66	3,981.20	66	4,325.74
67		67	3,988.75	67	4,329.08
68		68	3,996.30	68	4,332.42
69		69	4,003.85	69	4,335.76
70		70	4,011.40	70	4,339.10
71		71	4,018.95	71	4,342.44
72		72	4,026.50	72	4,345.78
73		73	4,034.05	73	4,349.12
74		74	4,041.60	74	4,352.46
75		75	4,049.15	75	4,355.80
76		76	4,056.70	76	4,359.14
77		77	4,064.25	77	4,362.48
78		78	4,071.80	78	4,365.82
79		79	4,079.35	79	4,369.16
80		80	4,086.90	80	4,372.50
81		81	4,094.45	81	4,375.84
82		82	4,102.00	82	4,379.18
83		83	4,109.55	83	4,382.52
84		84	4,117.10	84	4,385.86
85		85	4,124.65	85	4,389.20
86		86	4,132.20	86	4,392.54
87		87	4,139.75	87	4,395.88
88		88	4,147.30	88	4,399.22
89		89	4,154.85	89	4,402.56
90		90	4,162.40	90	4,405.90
91		91	4,170.00	91	4,409.24
92		92	4,177.55	92	4,412.58
93		93	4,185.10	93	4,415.92
94		94	4,192.65	94	4,419.26
95		95	4,200.20	95	4,422.60
96		96	4,207.75	96	4,425.94
97		97	4,215.30	97	4,429.28
98		98	4,222.85	98	4,432.62
99		99	4,230.40	99	4,435.96
100		100	4,237.95	100	4,439.30

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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

SHEET NO. 12 OF 12

PRECISION MEASUREMENT
& ANALYSIS, INC.
Portland, Texas 77888
http://www.pma.com

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY



BARGE FMT 5072

ULLAGE TRIM TABLE (10" HATCH)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	-02-0/8	02-0/8	-04-1/8	04-1/8	-06-1/8	06-1/8	-08-1/8	08-1/8	-10-1/4	10-1/4	-12-1/4	12-1/4
1 STBD	-02-0/8	02-0/8	-04-1/8	04-1/8	-06-1/8	06-1/8	-08-1/8	08-1/8	-10-1/4	10-1/4	-12-1/4	12-1/4
2 PORT	-01-7/8	01-7/8	-03-5/8	03-5/8	-05-1/2	05-1/2	-07-1/4	07-1/4	-09-1/8	09-1/8	-10-7/8	10-7/8
2 STBD	-01-7/8	01-7/8	-03-5/8	03-5/8	-05-1/2	05-1/2	-07-1/4	07-1/4	-09-1/8	09-1/8	-10-7/8	10-7/8
3 PORT	01-3/4	-01-3/4	03-5/8	-03-5/8	05-3/8	-05-3/8	07-1/4	-07-1/4	09-0/8	-09-0/8	10-7/8	-10-7/8
3 STBD	01-3/4	-01-3/4	03-5/8	-03-5/8	05-3/8	-05-3/8	07-1/4	-07-1/4	09-0/8	-09-0/8	10-7/8	-10-7/8

(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 1 PORT IS 04-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-04 1/8"

LENGTH BETWEEN DRAFT MARKS: 263'-10"

April 22, 2016

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

<http://www.pmacorp.net>



BARGE FMT 5072

1 PORT ULLAGE TABLE

CHARACTERISTICS GIVEN IN PARALLELS OF 45 US GALLONS									
10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.									
0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IPIPS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO ULTIMATE HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 10" ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP.
 GAUGE POINT: 10" ULLAGE HATCH LOCATED 01.90' OFF CENTERLINE AND 03.90' FORWARD OF AFT BULHEAD.

SHEET NO. 1 OF 12

Signature

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pasadena, Texas 77588
 http://www.pmecrip.net



BARGE FMT 5072

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OR 41 U.S. GALLONS

10' ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.				GAUGE HEIGHT 17'-10 1/2"			
IN	IN	IN	IN	IN	IN	IN	IN
10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.
0	2,387.06	1,939.65	1,431.77	0	720.60	318.33	0
1/4	2,746.64	2,338.65	1,831.19	0	712.10	310.02	0
1/2	2,738.14	2,330.05	1,822.72	1/2	1,107.88	301.70	1.70
3/4	2,729.64	2,321.55	1,814.26	3/4	888.31	293.21	1.56
1	2,721.13	2,313.04	1,805.79	1	686.62	284.72	1.42
1 1/4	2,712.63	2,304.54	1,797.33	1 1/4	518.13	276.23	1.58
1 1/2	2,704.13	2,296.04	1,788.87	1 1/2	669.63	267.74	1.53
1 3/4	2,695.63	2,287.54	1,780.36	1 3/4	651.14	259.25	1.49
2	2,687.13	2,279.04	1,871.86	2	652.65	250.75	1.45
2 1/4	2,678.62	2,270.53	1,863.35	2 1/4	654.16	242.26	1.41
2 1/2	2,670.12	2,262.03	1,854.85	2 1/2	655.67	233.77	1.38
2 3/4	2,661.62	2,253.53	1,846.35	2 3/4	657.18	225.28	1.32
3	2,653.12	2,245.03	1,837.85	3	658.69	216.79	1.28
3 1/4	2,644.62	2,236.53	1,829.35	3 1/4	660.20	208.30	1.24
3 1/2	2,636.12	2,228.02	1,820.85	3 1/2	661.70	200.81	1.19
3 3/4	2,627.61	2,219.52	1,812.35	3 3/4	663.21	192.32	1.15
4	2,619.11	2,211.02	1,803.84	4	664.72	183.83	1.11
4 1/4	2,610.61	2,202.52	1,795.34	4 1/4	666.23	175.34	1.07
4 1/2	2,602.11	2,194.02	1,786.84	4 1/2	667.74	166.85	1.02
4 3/4	2,593.61	2,185.51	1,778.34	4 3/4	669.25	158.36	0.98
5	2,585.10	2,177.01	1,769.83	5	670.76	149.87	0.94
5 1/4	2,576.60	2,168.51	1,761.33	5 1/4	672.27	141.38	0.90
5 1/2	2,568.10	2,160.01	1,752.83	5 1/2	673.78	132.89	0.85
5 3/4	2,559.60	2,151.51	1,744.33	5 3/4	675.29	124.40	0.81
6	2,551.10	2,143.01	1,735.82	6	676.80	115.91	0.77
6 1/4	2,542.59	2,134.50	1,727.32	6 1/4	678.31	107.42	0.73
6 1/2	2,534.09	2,126.00	1,718.82	6 1/2	679.82	98.93	0.68
6 3/4	2,525.59	2,117.50	1,710.32	6 3/4	681.33	90.44	0.64
7	2,517.09	2,109.00	1,701.81	7	682.84	81.95	0.60
7 1/4	2,508.59	2,100.50	1,693.31	7 1/4	684.35	73.46	0.56
7 1/2	2,500.09	2,092.00	1,684.81	7 1/2	685.86	64.97	0.51
7 3/4	2,491.59	2,083.50	1,676.31	7 3/4	687.37	56.48	0.47
8	2,483.09	2,075.00	1,667.80	8	688.88	47.99	0.43
8 1/4	2,474.59	2,066.50	1,659.30	8 1/4	690.39	39.50	0.39
8 1/2	2,466.09	2,058.00	1,650.80	8 1/2	691.90	31.01	0.34
8 3/4	2,457.59	2,049.50	1,642.30	8 3/4	693.41	22.52	0.30
9	2,449.09	2,041.00	1,633.80	9	694.92	14.03	0.26
9 1/4	2,440.59	2,032.50	1,625.30	9 1/4	696.43	5.54	0.22
9 1/2	2,432.09	2,024.00	1,616.80	9 1/2	697.94	-3.95	0.17
9 3/4	2,423.59	2,015.50	1,608.30	9 3/4	699.45	-15.46	0.13
10	2,415.09	2,007.00	1,599.80	10	700.96	-26.97	0.09
10 1/4	2,406.59	1,998.50	1,591.30	10 1/4	702.47	-38.48	0.05
10 1/2	2,398.09	1,990.00	1,582.80	10 1/2	703.98	-49.99	0.00
10 3/4	2,389.59	1,981.50	1,574.30	10 3/4	705.49	-61.50	0.00
11	2,381.09	1,973.00	1,565.80	11	707.00	-73.01	0.00
11 1/4	2,372.59	1,964.50	1,557.30	11 1/4	708.51	-84.52	0.00
11 1/2	2,364.09	1,956.00	1,548.80	11 1/2	710.02	-96.03	0.00
11 3/4	2,355.59	1,947.50	1,540.30	11 3/4	711.53	-107.54	0.00

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 PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2002
 Portland, Texas 77881
 http://www.pmacorp.net



BARGE FMT 5072

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS										10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP										GAUGE HEIGHT 17'-10"																																																																															
IN	0	1	2	3	4	5	6	7	8	IN	0	1	2	3	4	5	6	7	8	IN	0	1	2	3	4	5	6	7	8	IN	0	1	2	3	4	5	6	7	8																																																												
10 FT.	2,431.79	2,065.41	1,702.38	1,336.53	970.66	630.63	323.00	270.44	270.44	11 FT.	2,057.78	1,694.90	1,331.96	968.03	607.78	300.22	282.82	282.82	282.82	12 FT.	1,684.85	1,321.92	959.49	600.14	292.89	277.89	277.89	277.89	277.89	13 FT.	1,311.92	949.20	592.82	282.82	277.89	277.89	277.89	277.89	277.89	14 FT.	939.20	585.55	277.89	277.89	277.89	277.89	277.89	277.89	277.89	15 FT.	566.48	277.89	277.89	277.89	277.89	277.89	277.89	277.89	277.89	16 FT.	193.76	277.89	277.89	277.89	277.89	277.89	277.89	277.89	277.89	17 FT.	20.04	277.89	277.89	277.89	277.89	277.89	277.89	277.89	277.89	18 FT.	0	277.89	277.89	277.89	277.89	277.89	277.89	277.89	277.89	19 FT.	0	0	277.89	277.89	277.89	277.89	277.89	277.89	277.89

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 PRECISION MEASUREMENT
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 Pearland, Texas 77668
 http://www.pmicord.net



BARGE FMT 5072

2 STBD ULLAGE TABLE

CAPACITIES OVER 11 BARRELS OF 42 U.S. GALLONS			10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP			GAUGE HEIGHT 17'-10"			
0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15	15	15
16	16	16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17	17	17
18	18	18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19	19	19
20	20	20	20	20	20	20	20	20	20
21	21	21	21	21	21	21	21	21	21
22	22	22	22	22	22	22	22	22	22
23	23	23	23	23	23	23	23	23	23
24	24	24	24	24	24	24	24	24	24
25	25	25	25	25	25	25	25	25	25
26	26	26	26	26	26	26	26	26	26
27	27	27	27	27	27	27	27	27	27
28	28	28	28	28	28	28	28	28	28
29	29	29	29	29	29	29	29	29	29
30	30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31	31
32	32	32	32	32	32	32	32	32	32
33	33	33	33	33	33	33	33	33	33
34	34	34	34	34	34	34	34	34	34
35	35	35	35	35	35	35	35	35	35
36	36	36	36	36	36	36	36	36	36
37	37	37	37	37	37	37	37	37	37
38	38	38	38	38	38	38	38	38	38
39	39	39	39	39	39	39	39	39	39
40	40	40	40	40	40	40	40	40	40
41	41	41	41	41	41	41	41	41	41
42	42	42	42	42	42	42	42	42	42
43	43	43	43	43	43	43	43	43	43
44	44	44	44	44	44	44	44	44	44
45	45	45	45	45	45	45	45	45	45
46	46	46	46	46	46	46	46	46	46
47	47	47	47	47	47	47	47	47	47
48	48	48	48	48	48	48	48	48	48
49	49	49	49	49	49	49	49	49	49
50	50	50	50	50	50	50	50	50	50

BARGE STRAPPED AND COMPLETED 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 AT 10" ULLAGE HATCH ON EXPANSION DONE MEASURED TO BOTTOM OF SUMP.
 GAUGE POINT: 10" ULLAGE HATCH LOCATED 01'-00" OFF CENTERLINE AND 03'-00" FORWARD OF AFT BULKHEAD.

SHEET NO. 7 OF 12

PRECISION MEASUREMENT & ANALYSIS, INC.
 P.O. Box 2012
 11101 Highway 215
 Houston, TX 77070

[Signature]
 2,852.53
 2,852.53

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY



BARGE FMT 5072

2 STBD ULLAGE TABLE

CALCULATED ON BASIS OF 4 U.S. GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10"

Table with columns for height in feet (10 FT. to 19 FT.) and rows for volume in U.S. gallons. The table lists values for various gauges and heights, ranging from approximately 2,000 to 150,000 gallons.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 04232016 CL
CALCULATED: 04232016 CL
PRINTED: 04232016 JS
CANCELLED AND SUPERCEDES ALL PRIOR TO 042016

PRECISION MEASUREMENT & ANALYSIS, INC.
P.O. Box 2082
Portland, ME 04107
http://www.precision.net





BARGE FMT 5072

3 STBD
ULLAGE TABLE

CONVERSIONS GIVEN IN METERS/FT. OF U.S. GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.		16" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.		17 FT.		18 FT.		19 FT.	
IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.
0	2,433.83	0	2,071.64	0	1,713.35	0	1,355.06	0	1,000.00
1/4	2,428.27	1/4	2,064.12	1/4	1,705.94	1/4	1,348.06	1/4	1,000.00
1/2	2,418.71	1/2	2,056.59	1/2	1,698.52	1/2	1,341.05	1/2	1,000.00
3/4	2,411.15	3/4	2,049.07	3/4	1,691.11	3/4	1,334.05	3/4	1,000.00
1	2,403.59	1	2,041.52	1	1,683.70	1	1,327.05	1	1,000.00
1 1/4	2,396.03	1 1/4	2,034.02	1 1/4	1,676.33	1 1/4	1,320.05	1 1/4	1,000.00
1 1/2	2,388.47	1 1/2	2,026.50	1 1/2	1,668.96	1 1/2	1,313.05	1 1/2	1,000.00
1 3/4	2,380.91	1 3/4	2,018.97	1 3/4	1,661.54	1 3/4	1,306.05	1 3/4	1,000.00
2	2,373.35	2	2,011.45	2	1,654.12	2	1,299.05	2	1,000.00
2 1/4	2,365.79	2 1/4	2,003.92	2 1/4	1,646.75	2 1/4	1,292.05	2 1/4	1,000.00
2 1/2	2,358.23	2 1/2	1,996.40	2 1/2	1,639.38	2 1/2	1,285.05	2 1/2	1,000.00
2 3/4	2,350.67	2 3/4	1,988.87	2 3/4	1,632.01	2 3/4	1,278.05	2 3/4	1,000.00
3	2,343.11	3	1,981.35	3	1,624.64	3	1,271.05	3	1,000.00
3 1/4	2,335.54	3 1/4	1,973.83	3 1/4	1,617.27	3 1/4	1,264.05	3 1/4	1,000.00
3 1/2	2,327.98	3 1/2	1,966.30	3 1/2	1,609.90	3 1/2	1,257.05	3 1/2	1,000.00
3 3/4	2,320.42	3 3/4	1,958.78	3 3/4	1,602.53	3 3/4	1,250.05	3 3/4	1,000.00
4	2,312.86	4	1,951.25	4	1,595.16	4	1,243.05	4	1,000.00
4 1/4	2,305.30	4 1/4	1,943.73	4 1/4	1,587.79	4 1/4	1,236.05	4 1/4	1,000.00
4 1/2	2,297.74	4 1/2	1,936.20	4 1/2	1,580.42	4 1/2	1,229.05	4 1/2	1,000.00
4 3/4	2,290.18	4 3/4	1,928.68	4 3/4	1,573.05	4 3/4	1,222.05	4 3/4	1,000.00
5	2,282.62	5	1,921.15	5	1,565.68	5	1,215.05	5	1,000.00
5 1/4	2,275.06	5 1/4	1,913.63	5 1/4	1,558.31	5 1/4	1,208.05	5 1/4	1,000.00
5 1/2	2,267.50	5 1/2	1,906.11	5 1/2	1,550.94	5 1/2	1,201.05	5 1/2	1,000.00
5 3/4	2,259.94	5 3/4	1,898.58	5 3/4	1,543.57	5 3/4	1,194.05	5 3/4	1,000.00
6	2,252.38	6	1,891.06	6	1,536.20	6	1,187.05	6	1,000.00
6 1/4	2,244.82	6 1/4	1,883.53	6 1/4	1,528.83	6 1/4	1,180.05	6 1/4	1,000.00
6 1/2	2,237.26	6 1/2	1,876.01	6 1/2	1,521.46	6 1/2	1,173.05	6 1/2	1,000.00
6 3/4	2,229.70	6 3/4	1,868.48	6 3/4	1,514.09	6 3/4	1,166.05	6 3/4	1,000.00
7	2,222.14	7	1,860.96	7	1,506.72	7	1,159.05	7	1,000.00
7 1/4	2,214.58	7 1/4	1,853.43	7 1/4	1,499.35	7 1/4	1,152.05	7 1/4	1,000.00
7 1/2	2,207.02	7 1/2	1,845.91	7 1/2	1,491.98	7 1/2	1,145.05	7 1/2	1,000.00
7 3/4	2,199.46	7 3/4	1,838.38	7 3/4	1,484.61	7 3/4	1,138.05	7 3/4	1,000.00
8	2,191.90	8	1,830.86	8	1,477.24	8	1,131.05	8	1,000.00
8 1/4	2,184.34	8 1/4	1,823.33	8 1/4	1,469.87	8 1/4	1,124.05	8 1/4	1,000.00
8 1/2	2,176.78	8 1/2	1,815.81	8 1/2	1,462.50	8 1/2	1,117.05	8 1/2	1,000.00
8 3/4	2,169.22	8 3/4	1,808.28	8 3/4	1,455.13	8 3/4	1,110.05	8 3/4	1,000.00
9	2,161.66	9	1,800.76	9	1,447.76	9	1,103.05	9	1,000.00
9 1/4	2,154.10	9 1/4	1,793.23	9 1/4	1,440.39	9 1/4	1,096.05	9 1/4	1,000.00
9 1/2	2,146.54	9 1/2	1,785.71	9 1/2	1,433.02	9 1/2	1,089.05	9 1/2	1,000.00
9 3/4	2,138.98	9 3/4	1,778.18	9 3/4	1,425.65	9 3/4	1,082.05	9 3/4	1,000.00
10	2,131.42	10	1,770.66	10	1,418.28	10	1,075.05	10	1,000.00
10 1/4	2,123.86	10 1/4	1,763.13	10 1/4	1,410.91	10 1/4	1,068.05	10 1/4	1,000.00
10 1/2	2,116.30	10 1/2	1,755.61	10 1/2	1,403.54	10 1/2	1,061.05	10 1/2	1,000.00
10 3/4	2,108.74	10 3/4	1,748.08	10 3/4	1,396.17	10 3/4	1,054.05	10 3/4	1,000.00
11	2,101.18	11	1,740.56	11	1,388.80	11	1,047.05	11	1,000.00
11 1/4	2,093.62	11 1/4	1,733.03	11 1/4	1,381.43	11 1/4	1,040.05	11 1/4	1,000.00
11 1/2	2,086.06	11 1/2	1,725.51	11 1/2	1,374.06	11 1/2	1,033.05	11 1/2	1,000.00
11 3/4	2,078.50	11 3/4	1,717.98	11 3/4	1,366.69	11 3/4	1,026.05	11 3/4	1,000.00
12	2,070.94	12	1,710.46	12	1,359.32	12	1,019.05	12	1,000.00

STRAPPED: 04/22/2016 CL
CALCULATED: 04/22/2016 CL
PRINTED: 04/23/2016 JB
CANCELS AND SUPERCEDES
ALL PRIOR TO 04/23/16

SHEET NO. 12 OF 12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY
PRECISION MEASUREMENT
BY ANALYSIS, INC.
P.O. Box 2082
Patterson, Texas 77868
http://www.pmcncorp.net





BARGE FMT 5072

STBD FUEL TANK INNAGE TABLE

GUAGE HEIGHT 5'-08 1/4"

CAPACITIES GIVEN IN WHOLE 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	0	1,293	0	3,045	0	4,886	0	6,559	0		0		0		0		0	
1/4	16	1/4	1,326	1/4	3,083	1/4	4,924	1/4	6,589	1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	1,360	1/2	3,121	1/2	4,961	1/2	6,619	1/2		1/2		1/2		1/2		1/2	
3/4	48	3/4	1,394	3/4	3,160	3/4	4,999	3/4	6,650	3/4		3/4		3/4		3/4		3/4	
1	64	1	1,428	1	3,198	1	5,036	1	6,680	1		1		1		1		1	
1 1/4	84	1 1/4	1,463	1 1/4	3,237	1 1/4	5,073	1 1/4	6,709	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	104	1 1/2	1,498	1 1/2	3,275	1 1/2	5,110	1 1/2	6,739	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	124	3/4	1,532	3/4	3,314	3/4	5,147	3/4	6,768	3/4		3/4		3/4		3/4		3/4	
2	144	2	1,567	2	3,352	2	5,185	2	6,797	2		2		2		2		2	
1 1/4	166	1 1/4	1,602	1 1/4	3,391	1 1/4	5,221	1 1/4	6,825	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	189	1 1/2	1,637	1 1/2	3,429	1 1/2	5,258	1 1/2	6,853	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	211	3/4	1,672	3/4	3,468	3/4	5,295	3/4	6,881	3/4		3/4		3/4		3/4		3/4	
3	234	3	1,707	3	3,506	3	5,332	3	6,909	3		3		3		3		3	
1 1/4	258	1 1/4	1,743	1 1/4	3,545	1 1/4	5,368	1 1/4	6,936	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	283	1 1/2	1,779	1 1/2	3,584	1 1/2	5,404	1 1/2	6,963	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	307	3/4	1,814	3/4	3,622	3/4	5,441	3/4	6,990	3/4		3/4		3/4		3/4		3/4	
4	331	4	1,850	4	3,661	4	5,477	4	7,017	4		4		4		4		4	
1 1/4	357	1 1/4	1,886	1 1/4	3,700	1 1/4	5,513	1 1/4	7,042	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	383	1 1/2	1,922	1 1/2	3,738	1 1/2	5,549	1 1/2	7,067	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	409	3/4	1,958	3/4	3,777	3/4	5,585	3/4	7,092	3/4		3/4		3/4		3/4		3/4	
5	435	5	1,995	5	3,815	5	5,621	5	7,118	5		5		5		5		5	
1 1/4	463	1 1/4	2,031	1 1/4	3,854	1 1/4	5,656	1 1/4	7,141	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	490	1 1/2	2,068	1 1/2	3,893	1 1/2	5,692	1 1/2	7,164	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	518	3/4	2,104	3/4	3,931	3/4	5,727	3/4	7,188	3/4		3/4		3/4		3/4		3/4	
6	545	6	2,141	6	3,970	6	5,762	6	7,211	6		6		6		6		6	
1 1/4	574	1 1/4	2,178	1 1/4	4,008	1 1/4	5,797	1 1/4	7,233	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	603	1 1/2	2,215	1 1/2	4,047	1 1/2	5,832	1 1/2	7,254	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	631	3/4	2,252	3/4	4,085	3/4	5,867	3/4	7,275	3/4		3/4		3/4		3/4		3/4	
7	660	7	2,289	7	4,124	7	5,902	7	7,297	7		7		7		7		7	
1 1/4	690	1 1/4	2,326	1 1/4	4,162	1 1/4	5,936	1 1/4	7,315	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	720	1 1/2	2,363	1 1/2	4,201	1 1/2	5,970	1 1/2	7,333	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	749	3/4	2,401	3/4	4,239	3/4	6,005	3/4	7,352	3/4		3/4		3/4		3/4		3/4	
8	779	8	2,438	8	4,278	8	6,039	8	7,370	8		8		8		8		8	
1 1/4	810	1 1/4	2,475	1 1/4	4,316	1 1/4	6,073	1 1/4	7,385	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	841	1 1/2	2,513	1 1/2	4,354	1 1/2	6,106	1 1/2	7,399	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	872	3/4	2,551	3/4	4,393	3/4	6,140	3/4		3/4		3/4		3/4		3/4		3/4	
9	902	9	2,588	9	4,431	9	6,174	9		9		9		9		9		9	
1 1/4	934	1 1/4	2,626	1 1/4	4,469	1 1/4	6,206	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	966	1 1/2	2,664	1 1/2	4,507	1 1/2	6,239	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	998	3/4	2,702	3/4	4,546	3/4	6,272	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,029	10	2,739	10	4,584	10	6,305	10		10		10		10		10		10	
1 1/4	1,062	1 1/4	2,777	1 1/4	4,622	1 1/4	6,337	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,094	1 1/2	2,816	1 1/2	4,660	1 1/2	6,369	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,127	3/4	2,854	3/4	4,698	3/4	6,402	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,159	11	2,892	11	4,736	11	6,434	11		11		11		11		11		11	
1 1/4	1,193	1 1/4	2,930	1 1/4	4,773	1 1/4	6,465	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,226	1 1/2	2,968	1 1/2	4,811	1 1/2	6,496	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,259	3/4	3,006	3/4	4,849	3/4	6,528	3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.

STRAPPED: 04/22/2016 CL
CALCULATED: 04/22/2016 CL
PRINTED: 04/23/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

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



BARGE FMT 5072

PORT FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-08 1/4"

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	0	1,293	0	3,045	0	4,886	0	6,559	0		0		0		0		0	
1/4	16	1/4	1,326	1/4	3,083	1/4	4,924	1/4	6,589	1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	1,360	1/2	3,121	1/2	4,961	1/2	6,619	1/2		1/2		1/2		1/2		1/2	
3/4	48	3/4	1,394	3/4	3,160	3/4	4,999	3/4	6,650	3/4		3/4		3/4		3/4		3/4	
1	64	1	1,428	1	3,198	1	5,036	1	6,680	1		1		1		1		1	
1/4	84	1/4	1,463	1/4	3,237	1/4	5,073	1/4	6,709	1/4		1/4		1/4		1/4		1/4	
1/2	104	1/2	1,498	1/2	3,275	1/2	5,110	1/2	6,739	1/2		1/2		1/2		1/2		1/2	
3/4	124	3/4	1,532	3/4	3,314	3/4	5,147	3/4	6,768	3/4		3/4		3/4		3/4		3/4	
2	144	2	1,567	2	3,352	2	5,185	2	6,797	2		2		2		2		2	
1/4	166	1/4	1,602	1/4	3,391	1/4	5,221	1/4	6,825	1/4		1/4		1/4		1/4		1/4	
1/2	189	1/2	1,637	1/2	3,429	1/2	5,258	1/2	6,853	1/2		1/2		1/2		1/2		1/2	
3/4	211	3/4	1,672	3/4	3,468	3/4	5,295	3/4	6,881	3/4		3/4		3/4		3/4		3/4	
3	234	3	1,707	3	3,506	3	5,332	3	6,909	3		3		3		3		3	
1/4	258	1/4	1,743	1/4	3,545	1/4	5,368	1/4	6,936	1/4		1/4		1/4		1/4		1/4	
1/2	283	1/2	1,779	1/2	3,584	1/2	5,404	1/2	6,963	1/2		1/2		1/2		1/2		1/2	
3/4	307	3/4	1,814	3/4	3,622	3/4	5,441	3/4	6,990	3/4		3/4		3/4		3/4		3/4	
4	331	4	1,850	4	3,661	4	5,477	4	7,017	4		4		4		4		4	
1/4	357	1/4	1,886	1/4	3,700	1/4	5,513	1/4	7,044	1/4		1/4		1/4		1/4		1/4	
1/2	383	1/2	1,922	1/2	3,738	1/2	5,549	1/2	7,067	1/2		1/2		1/2		1/2		1/2	
3/4	409	3/4	1,958	3/4	3,777	3/4	5,585	3/4	7,092	3/4		3/4		3/4		3/4		3/4	
5	435	5	1,995	5	3,815	5	5,621	5	7,118	5		5		5		5		5	
1/4	463	1/4	2,031	1/4	3,854	1/4	5,656	1/4	7,141	1/4		1/4		1/4		1/4		1/4	
1/2	490	1/2	2,068	1/2	3,893	1/2	5,692	1/2	7,164	1/2		1/2		1/2		1/2		1/2	
3/4	518	3/4	2,104	3/4	3,931	3/4	5,727	3/4	7,188	3/4		3/4		3/4		3/4		3/4	
6	545	6	2,141	6	3,970	6	5,762	6	7,211	6		6		6		6		6	
1/4	574	1/4	2,178	1/4	4,008	1/4	5,797	1/4	7,233	1/4		1/4		1/4		1/4		1/4	
1/2	603	1/2	2,215	1/2	4,047	1/2	5,832	1/2	7,254	1/2		1/2		1/2		1/2		1/2	
3/4	631	3/4	2,252	3/4	4,085	3/4	5,867	3/4	7,275	3/4		3/4		3/4		3/4		3/4	
7	660	7	2,289	7	4,124	7	5,902	7	7,297	7		7		7		7		7	
1/4	690	1/4	2,326	1/4	4,162	1/4	5,936	1/4	7,315	1/4		1/4		1/4		1/4		1/4	
1/2	720	1/2	2,363	1/2	4,201	1/2	5,970	1/2	7,333	1/2		1/2		1/2		1/2		1/2	
3/4	749	3/4	2,401	3/4	4,239	3/4	6,005	3/4	7,352	3/4		3/4		3/4		3/4		3/4	
8	779	8	2,438	8	4,278	8	6,039	8	7,370	8		8		8		8		8	
1/4	810	1/4	2,475	1/4	4,316	1/4	6,073	1/4	7,385	1/4		1/4		1/4		1/4		1/4	
1/2	841	1/2	2,513	1/2	4,354	1/2	6,106	1/2	7,399	1/2		1/2		1/2		1/2		1/2	
3/4	872	3/4	2,551	3/4	4,393	3/4	6,140	3/4		3/4		3/4		3/4		3/4		3/4	
9	902	9	2,588	9	4,431	9	6,174	9		9		9		9		9		9	
1/4	934	1/4	2,626	1/4	4,469	1/4	6,206	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	966	1/2	2,664	1/2	4,507	1/2	6,239	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	998	3/4	2,702	3/4	4,546	3/4	6,272	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,029	10	2,739	10	4,584	10	6,305	10		10		10		10		10		10	
1/4	1,062	1/4	2,777	1/4	4,622	1/4	6,337	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,094	1/2	2,816	1/2	4,660	1/2	6,369	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,127	3/4	2,854	3/4	4,698	3/4	6,402	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,159	11	2,892	11	4,736	11	6,434	11		11		11		11		11		11	
1/4	1,193	1/4	2,930	1/4	4,773	1/4	6,465	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,226	1/2	2,968	1/2	4,811	1/2	6,496	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,259	3/4	3,006	3/4	4,849	3/4	6,528	3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.

STRAPPED: 04/22/2016 CL
CALCULATED: 04/22/2016 CL
PRINTED: 04/12/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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