

BARGE "DBL 19"

INNAGE 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	-03-0/8	03-0/8	-03-5/8	03-5/8
1 CENTER	00-1/2	-00-1/2	00-7/8	-00-7/8	01-3/8	-01-3/8	01-3/4	-01-3/4	02-1/4	-02-1/4	02-3/4	-02-3/4
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	-03-0/8	03-0/8	-03-5/8	03-5/8
2 CENTER	-00-1/4	00-1/4	-00-5/8	00-5/8	-00-7/8	00-7/8	-01-1/8	01-1/8	-01-1/2	01-1/2	-01-3/4	01-3/4

(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)

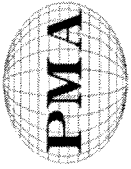
THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 01-1/4"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-01 1/4'

LENGTH BETWEEN DRAFT MARKS: 198'-03"

June 25, 2013

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

<http://www.pmacorp.net>



BARGE "DBL 19"

1 PORT INNAGE 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	7.43	0	323.25	0	651.99	0	980.79	0	1309.98	0	1639.17	0	1968.37	0	2297.56	0	2626.76	0	2955.95
1/4	12.61	1/4	330.11	1/4	658.84	1/4	987.65	1/4	1316.84	1/4	1646.03	1/4	1975.23	1/4	2304.42	1/4	2633.61	1/4	2962.81
1/2	17.79	1/2	336.97	1/2	665.70	1/2	994.50	1/2	1323.70	1/2	1652.89	1/2	1982.08	1/2	2311.28	1/2	2640.47	1/2	2969.67
3/4	22.97	3/4	343.83	3/4	672.56	3/4	1001.36	3/4	1330.56	3/4	1659.75	3/4	1988.94	3/4	2318.14	3/4	2647.33	3/4	2976.52
1	28.15	1	350.69	1	679.42	1	1008.22	1	1337.41	1	1666.61	1	1995.80	1	2324.99	1	2654.19	1	2983.38
1/4	34.70	1/4	357.54	1/4	686.28	1/4	1015.94	1/4	1344.27	1/4	1673.47	1/4	2002.66	1/4	2331.85	1/4	2661.05	1/4	2990.24
1/2	41.25	1/2	364.38	1/2	693.14	1/2	1021.98	1/2	1351.13	1/2	1680.32	1/2	2009.52	1/2	2339.71	1/2	2669.91	1/2	2997.10
3/4	47.81	3/4	371.23	3/4	700.00	3/4	1028.80	3/4	1359.99	3/4	1688.18	3/4	2016.38	3/4	2345.57	3/4	2674.76	3/4	3003.96
2	54.36	2	378.07	2	706.86	2	1035.65	2	1364.85	2	1694.04	2	2023.23	2	2352.43	2	2681.62	2	2998.81
1/4	61.10	1/4	384.90	1/4	713.71	1/4	1042.51	1/4	1371.71	1/4	1700.90	1/4	2030.09	1/4	2360.99	1/4	2690.48	1/4	3007.67
1/2	67.85	1/2	391.73	1/2	720.57	1/2	1049.37	1/2	1378.56	1/2	1707.76	1/2	2036.95	1/2	2367.84	1/2	2697.34	1/2	3014.53
3/4	74.59	3/4	398.56	3/4	727.43	3/4	1056.23	3/4	1385.42	3/4	1714.62	3/4	2043.81	3/4	2373.00	3/4	2702.20	3/4	3021.39
3	81.34	3	405.39	3	734.29	3	1063.09	3	1392.28	3	1721.47	3	2050.67	3	2380.67	3	2709.05	3	3028.25
1/4	88.14	1/4	412.21	1/4	741.15	1/4	1069.94	1/4	1399.14	1/4	1728.33	1/4	2057.53	1/4	2387.52	1/4	2715.91	1/4	3035.11
1/2	94.93	1/2	419.04	1/2	748.01	1/2	1076.80	1/2	1406.00	1/2	1735.19	1/2	2064.38	1/2	2394.40	1/2	2722.77	1/2	3041.96
3/4	101.73	3/4	425.87	3/4	754.87	3/4	1083.66	3/4	1412.85	3/4	1742.05	3/4	2071.24	3/4	2400.44	3/4	2729.63	3/4	3048.82
4	108.53	4	432.70	4	761.72	4	1090.52	4	1419.71	4	1748.91	4	2078.10	4	2397.10	4	2736.49	4	3055.68
1/4	115.36	1/4	439.53	1/4	768.58	1/4	1097.38	1/4	1426.57	1/4	1755.76	1/4	2084.96	1/4	2404.96	1/4	2743.35	1/4	3062.54
1/2	122.19	1/2	446.36	1/2	775.44	1/2	1104.24	1/2	1433.43	1/2	1762.62	1/2	2091.82	1/2	2411.81	1/2	2750.20	1/2	3069.40
3/4	129.02	3/4	453.19	3/4	782.30	3/4	1111.09	3/4	1440.29	3/4	1769.48	3/4	2098.67	3/4	2419.14	3/4	2757.06	3/4	3076.26
5	135.85	5	460.02	5	789.16	5	1117.95	5	1447.15	5	1776.34	5	2105.53	5	2426.52	5	2763.92	5	3083.11
1/4	142.70	1/4	466.87	1/4	796.02	1/4	1124.81	1/4	1454.00	1/4	1783.20	1/4	2112.39	1/4	2433.91	1/4	2770.78	1/4	3089.97
1/2	149.55	1/2	473.71	1/2	802.88	1/2	1131.67	1/2	1460.86	1/2	1790.06	1/2	2119.25	1/2	2441.30	1/2	2777.64	1/2	3096.83
3/4	156.40	3/4	480.55	3/4	809.73	3/4	1138.53	3/4	1467.72	3/4	1796.91	3/4	2126.11	3/4	2456.19	3/4	2784.49	3/4	3103.69
6	163.25	6	487.39	6	816.59	6	1145.38	6	1474.58	6	1803.77	6	2132.97	6	2463.06	6	2791.35	6	3110.55
1/4	169.89	1/4	494.25	1/4	823.45	1/4	1152.24	1/4	1481.44	1/4	1810.63	1/4	2139.82	1/4	2470.00	1/4	2798.21	1/4	3117.40
1/2	176.53	1/2	501.10	1/2	830.31	1/2	1159.10	1/2	1488.29	1/2	1817.49	1/2	2146.68	1/2	2477.88	1/2	2805.07	1/2	3124.26
3/4	183.17	3/4	507.96	3/4	837.17	3/4	1165.96	3/4	1495.15	3/4	1824.35	3/4	2153.54	3/4	2485.76	3/4	2811.93	3/4	3131.12
7	189.81	7	514.81	7	844.03	7	1172.82	7	1502.01	7	1831.20	7	2160.40	7	2492.65	7	2818.79	7	3137.98
1/4	196.17	1/4	521.67	1/4	850.86	1/4	1179.68	1/4	1508.87	1/4	1838.06	1/4	2167.26	1/4	2500.54	1/4	2825.64	1/4	3144.84
1/2	202.52	1/2	528.53	1/2	857.70	1/2	1186.53	1/2	1515.73	1/2	1844.92	1/2	2174.11	1/2	2507.42	1/2	2832.52	1/2	3151.70
3/4	208.88	3/4	535.39	3/4	864.54	3/4	1193.39	3/4	1522.59	3/4	1851.78	3/4	2181.49	3/4	2514.31	3/4	2839.40	3/4	3158.55
8	215.23	8	542.25	8	871.37	8	1200.25	8	1529.44	8	1858.64	8	2188.33	8	2521.20	8	2846.28	8	3165.41
1/4	221.73	1/4	549.11	1/4	878.20	1/4	1207.11	1/4	1536.30	1/4	1865.50	1/4	2194.69	1/4	2528.08	1/4	2853.16	1/4	3172.26
1/2	228.23	1/2	555.97	1/2	885.03	1/2	1213.97	1/2	1543.16	1/2	1872.35	1/2	2201.55	1/2	2534.96	1/2	2860.04	1/2	3179.12
3/4	234.73	3/4	562.82	3/4	891.86	3/4	1220.82	3/4	1550.02	3/4	1879.21	3/4	2208.41	3/4	2541.84	3/4	2866.92	3/4	3185.98
9	241.23	9	569.68	9	898.69	9	1227.68	9	1556.88	9	1886.07	9	2215.26	9	2548.72	9	2873.80	9	3192.84
1/4	248.02	1/4	576.54	1/4	905.52	1/4	1234.54	1/4	1563.73	1/4	1893.93	1/4	2222.12	1/4	2555.60	1/4	2880.68	1/4	3200.70
1/2	254.81	1/2	583.40	1/2	912.36	1/2	1241.40	1/2	1570.59	1/2	1899.79	1/2	2228.98	1/2	2562.48	1/2	2887.56	1/2	3207.56
3/4	261.60	3/4	590.26	3/4	919.19	3/4	1248.26	3/4	1577.45	3/4	1906.64	3/4	2235.84	3/4	2569.36	3/4	2894.44	3/4	3214.42
10	268.38	10	597.12	10	926.03	10	1255.12	10	1584.31	10	1913.50	10	2242.70	10	2576.14	10	2901.30	10	3221.28
1/4	275.24	1/4	603.98	1/4	932.86	1/4	1261.97	1/4	1591.17	1/4	1920.36	1/4	2249.55	1/4	2583.02	1/4	2908.18	1/4	3228.14
1/2	282.10	1/2	610.83	1/2	939.70	1/2	1268.83	1/2	1598.03	1/2	1927.22	1/2	2256.41	1/2	2590.40	1/2	2915.06	1/2	3235.00
3/4	288.96	3/4	617.69	3/4	946.54	3/4	1275.69	3/4	1604.88	3/4	1934.08	3/4	2263.27	3/4	2597.28	3/4	2921.92	3/4	3241.86
11	295.82	11	624.55	11	953.38	11	1282.55	11	1611.74	11	1940.94	11	2270.13	11	2604.66	11	2928.78	11	3248.72
1/4	302.68	1/4	631.41	1/4	960.23	1/4	1289.41	1/4	1618.60	1/4	1947.79	1/4	2277.01	1/4	2611.54	1/4	2935.64	1/4	3255.58
1/2	309.54	1/2	638.27	1/2	967.08	1/2	1296.27	1/2	1625.46	1/2	1954.65	1/2	2283.85	1/2	2618.42	1/2	2942.50	1/2	3262.44
3/4	316.40	3/4	645.13	3/4	973.93	3/4	1303.12	3/4	1632.32	3/4	1961.51	3/4	2290.70	3/4	2625.30	3/4	2949.36	3/4	3269.30

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

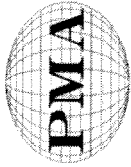
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 115'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "DBL 19"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

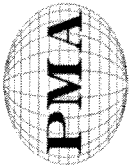
GAUGE HEIGHT 12'-06 1/2"

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	3,285.14	0	3,614.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	3,292.00	1/4	3,621.19	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	1/4	1/4	1/4
1/2	3,298.86	1/2	3,628.05	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	1/2	1/2	1/2
3/4	3,305.72	3/4	3,634.91	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	3/4	3/4	3/4
1	3,312.58	1	3,641.77	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	3,319.43	1/4	3,648.63	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	1/4	1/4	1/4
1/2	3,326.29	1/2	3,655.49	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	1/2	1/2	1/2
3/4	3,333.15	3/4	3,662.34	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	3/4	3/4	3/4
2	3,340.01	2	3,669.20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	3,346.87	1/4	3,676.06	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	1/4	1/4	1/4
1/2	3,353.73	1/2	3,682.92	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	1/2	1/2	1/2
3/4	3,360.58	3/4	3,689.78	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	3/4	3/4	3/4
3	3,367.44	3	3,696.64	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	3,374.30	1/4	3,703.49	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	1/4	1/4	1/4
1/2	3,381.16	1/2	3,710.35	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	1/2	1/2	1/2
3/4	3,388.02	3/4	3,717.21	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	3/4	3/4	3/4
4	3,394.87	4	3,724.07	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	3,401.73	1/4	3,730.93	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	1/4	1/4	1/4
1/2	3,408.59	1/2	3,737.78	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	1/2	1/2	1/2
3/4	3,415.45	3/4	3,744.64	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	3/4	3/4	3/4
5	3,422.31	5	3,751.50	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	3,429.17	1/4	3,758.36	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	1/4	1/4	1/4
1/2	3,436.02	1/2	3,765.21	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	1/2	1/2	1/2
3/4	3,442.88	3/4	3,772.07	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	3/4	3/4	3/4
6	3,449.74	6	3,778.91	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	3,456.60	1/4	3,785.76	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	1/4	1/4	1/4
1/2	3,463.46	1/2	3,792.61	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	1/2	1/2	1/2
3/4	3,470.31	3/4	3,799.46	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	3/4	3/4	3/4
7	3,477.17	7	3,806.30	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	3,484.03	1/4	3,813.15	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	1/4	1/4	1/4
1/2	3,490.89	1/2	3,820.00	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	1/2	1/2	1/2
3/4	3,497.75	3/4	3,826.85	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	3/4	3/4	3/4
8	3,504.61	8	3,833.69	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	3,511.46	1/4	3,840.54	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	1/4	1/4	1/4
1/2	3,518.32	1/2	3,847.39	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	1/2	1/2	1/2
3/4	3,525.18	3/4	3,854.24	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	3/4	3/4	3/4
9	3,532.04	9	3,861.08	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	3,538.90	1/4	3,867.93	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	1/4	1/4	1/4
1/2	3,545.75	1/2	3,874.78	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	1/2	1/2	1/2
3/4	3,552.61	3/4	3,881.63	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	3/4	3/4	3/4
10	3,559.47	10	3,888.47	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	3,566.33	1/4	3,895.32	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	1/4	1/4	1/4
1/2	3,573.19	1/2	3,902.17	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	1/2	1/2	1/2
3/4	3,580.05	3/4	3,909.02	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	3/4	3/4	3/4
11	3,586.90	11	3,915.86	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	3,593.76	1/4	3,922.71	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	1/4	1/4	1/4
1/2	3,600.62	1/2	3,929.56	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	1/2	1/2	1/2
3/4	3,607.48	3/4	3,936.41	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	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/2013 SW
 CALCULATED: 06/25/2013 CL
 PRINTED: 06/25/2013 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2013

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



BARGE "DBL 19"

1 CENTER INNAGE TABLE

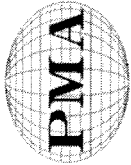
CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2.73	0	292.27	0	602.70	0	913.27	0	1,224.05	0	1,534.96	0	1,845.87	0	2,156.78	0	2,467.69	0	2,778.60
1/4	5.80	1/4	298.75	1/4	609.17	1/4	919.72	1/4	1,230.53	1/4	1,541.44	1/4	1,852.35	1/4	2,163.26	1/4	2,474.17	1/4	2,785.08
1/2	8.87	1/2	305.23	1/2	615.65	1/2	926.18	1/2	1,237.00	1/2	1,547.91	1/2	1,858.82	1/2	2,169.74	1/2	2,480.65	1/2	2,791.56
3/4	11.94	3/4	311.70	3/4	622.13	3/4	932.63	3/4	1,243.48	3/4	1,554.39	3/4	1,865.30	3/4	2,176.21	3/4	2,487.12	3/4	2,798.03
1	15.01	1	318.18	1	628.61	1	939.09	1	1,249.96	1	1,560.87	1	1,871.78	1	2,182.69	1	2,493.60	1	2,804.51
1/4	20.94	1/4	324.66	1/4	635.08	1/4	945.55	1/4	1,256.44	1/4	1,567.35	1/4	1,878.26	1/4	2,189.17	1/4	2,500.08	1/4	2,810.99
1/2	26.87	1/2	331.13	1/2	641.56	1/2	952.02	1/2	1,262.91	1/2	1,573.82	1/2	1,884.73	1/2	2,195.64	1/2	2,506.55	1/2	2,817.47
3/4	32.80	3/4	337.61	3/4	648.04	3/4	958.49	3/4	1,269.39	3/4	1,580.30	3/4	1,891.21	3/4	2,202.12	3/4	2,513.03	3/4	2,823.94
2	38.73	2	344.09	2	654.51	2	964.96	2	1,275.87	2	1,586.78	2	1,897.69	2	2,208.60	2	2,519.51	2	2,830.42
1/4	45.06	1/4	350.56	1/4	660.99	1/4	971.43	1/4	1,282.34	1/4	1,593.26	1/4	1,904.17	1/4	2,215.08	1/4	2,525.99	1/4	2,836.90
1/2	51.40	1/2	357.03	1/2	667.47	1/2	977.91	1/2	1,288.82	1/2	1,599.73	1/2	1,910.64	1/2	2,221.55	1/2	2,532.46	1/2	2,843.37
3/4	57.73	3/4	363.49	3/4	673.95	3/4	984.39	3/4	1,295.30	3/4	1,606.21	3/4	1,917.12	3/4	2,228.03	3/4	2,538.94	3/4	2,849.85
3	64.07	3	369.96	3	680.42	3	990.87	3	1,301.78	3	1,612.69	3	1,923.60	3	2,234.51	3	2,545.42	3	2,856.33
1/4	70.47	1/4	376.41	1/4	686.90	1/4	997.34	1/4	1,308.25	1/4	1,619.16	1/4	1,930.07	1/4	2,240.99	1/4	2,551.90	1/4	2,862.81
1/2	76.86	1/2	382.85	1/2	693.38	1/2	1,003.82	1/2	1,314.73	1/2	1,625.64	1/2	1,936.55	1/2	2,247.46	1/2	2,558.37	1/2	2,869.28
3/4	83.26	3/4	389.29	3/4	699.86	3/4	1,010.30	3/4	1,321.21	3/4	1,632.12	3/4	1,943.03	3/4	2,253.94	3/4	2,564.85	3/4	2,875.76
4	89.66	4	395.73	4	706.33	4	1,016.78	4	1,327.69	4	1,638.60	4	1,949.51	4	2,260.42	4	2,571.33	4	2,882.24
1/4	96.10	1/4	402.18	1/4	712.81	1/4	1,023.25	1/4	1,334.16	1/4	1,645.07	1/4	1,955.98	1/4	2,266.89	1/4	2,577.80	1/4	2,888.72
1/2	102.53	1/2	408.62	1/2	719.29	1/2	1,029.73	1/2	1,340.64	1/2	1,651.55	1/2	1,962.46	1/2	2,273.37	1/2	2,584.28	1/2	2,895.19
3/4	108.97	3/4	415.07	3/4	725.77	3/4	1,036.21	3/4	1,347.12	3/4	1,658.03	3/4	1,968.94	3/4	2,279.85	3/4	2,590.76	3/4	2,901.67
5	115.41	5	421.51	5	732.24	5	1,042.68	5	1,353.60	5	1,664.51	5	1,975.42	5	2,286.33	5	2,597.24	5	2,908.15
1/4	121.87	1/4	427.96	1/4	738.72	1/4	1,049.16	1/4	1,360.07	1/4	1,670.98	1/4	1,981.89	1/4	2,292.80	1/4	2,603.71	1/4	2,914.62
1/2	128.33	1/2	434.42	1/2	745.20	1/2	1,055.64	1/2	1,366.55	1/2	1,677.46	1/2	1,988.37	1/2	2,299.28	1/2	2,610.19	1/2	2,921.10
3/4	134.79	3/4	440.87	3/4	751.67	3/4	1,062.12	3/4	1,373.03	3/4	1,683.94	3/4	1,994.85	3/4	2,305.76	3/4	2,621.67	3/4	2,927.58
6	141.25	6	447.32	6	758.15	6	1,068.59	6	1,379.50	6	1,690.41	6	2,001.33	6	2,312.24	6	2,623.15	6	2,934.06
1/4	147.66	1/4	453.78	1/4	764.63	1/4	1,075.07	1/4	1,385.98	1/4	1,696.89	1/4	2,007.80	1/4	2,318.71	1/4	2,629.62	1/4	2,940.53
1/2	154.06	1/2	460.23	1/2	771.11	1/2	1,081.55	1/2	1,392.46	1/2	1,703.37	1/2	2,014.28	1/2	2,325.19	1/2	2,636.10	1/2	2,947.01
3/4	160.47	3/4	466.69	3/4	777.58	3/4	1,088.03	3/4	1,398.94	3/4	1,709.85	3/4	2,020.76	3/4	2,331.67	3/4	2,642.58	3/4	2,953.49
7	166.87	7	473.15	7	784.06	7	1,094.50	7	1,405.41	7	1,716.32	7	2,027.23	7	2,338.14	7	2,649.96	7	2,959.97
1/4	173.00	1/4	479.63	1/4	790.54	1/4	1,100.98	1/4	1,411.89	1/4	1,722.80	1/4	2,033.71	1/4	2,344.62	1/4	2,655.53	1/4	2,966.44
1/2	179.14	1/2	486.11	1/2	797.02	1/2	1,107.46	1/2	1,418.37	1/2	1,729.28	1/2	2,040.19	1/2	2,351.10	1/2	2,662.01	1/2	2,972.92
3/4	185.27	3/4	492.58	3/4	803.49	3/4	1,113.94	3/4	1,424.85	3/4	1,735.76	3/4	2,046.67	3/4	2,357.58	3/4	2,668.49	3/4	2,979.40
8	191.40	8	499.06	8	809.97	8	1,120.41	8	1,431.32	8	1,742.23	8	2,053.14	8	2,364.05	8	2,674.96	8	2,985.87
1/4	197.39	1/4	505.54	1/4	816.44	1/4	1,126.89	1/4	1,437.80	1/4	1,748.71	1/4	2,059.62	1/4	2,370.53	1/4	2,681.44	1/4	2,992.35
1/2	203.39	1/2	512.01	1/2	822.92	1/2	1,133.37	1/2	1,444.28	1/2	1,755.19	1/2	2,066.10	1/2	2,377.01	1/2	2,687.92	1/2	2,998.83
3/4	209.38	3/4	518.49	3/4	829.39	3/4	1,139.84	3/4	1,450.75	3/4	1,761.67	3/4	2,072.58	3/4	2,383.49	3/4	2,694.40	3/4	3,005.31
9	215.37	9	524.97	9	835.86	9	1,146.32	9	1,457.23	9	1,768.14	9	2,079.05	9	2,389.96	9	2,700.87	9	3,011.78
1/4	221.64	1/4	531.45	1/4	842.32	1/4	1,152.80	1/4	1,463.71	1/4	1,774.62	1/4	2,085.53	1/4	2,396.44	1/4	2,707.35	1/4	3,018.26
1/2	227.91	1/2	537.92	1/2	848.78	1/2	1,159.28	1/2	1,470.19	1/2	1,781.10	1/2	2,092.01	1/2	2,402.92	1/2	2,713.83	1/2	3,024.74
3/4	234.18	3/4	544.40	3/4	855.23	3/4	1,165.75	3/4	1,476.66	3/4	1,787.57	3/4	2,098.48	3/4	2,409.40	3/4	2,720.31	3/4	3,031.22
10	240.45	10	550.88	10	861.69	10	1,172.23	10	1,483.14	10	1,794.05	10	2,104.96	10	2,415.87	10	2,726.78	10	3,037.69
1/4	246.93	1/4	557.36	1/4	868.14	1/4	1,178.71	1/4	1,489.62	1/4	1,800.53	1/4	2,111.44	1/4	2,422.35	1/4	2,733.26	1/4	3,044.17
1/2	253.41	1/2	563.83	1/2	874.58	1/2	1,185.19	1/2	1,496.10	1/2	1,807.01	1/2	2,117.92	1/2	2,428.83	1/2	2,739.74	1/2	3,050.65
3/4	259.88	3/4	570.31	3/4	881.03	3/4	1,191.66	3/4	1,502.57	3/4	1,813.48	3/4	2,124.39	3/4	2,435.30	3/4	2,746.21	3/4	3,057.13
11	266.36	11	576.79	11	887.47	11	1,198.14	11	1,509.05	11	1,819.96	11	2,130.87	11	2,441.78	11	2,752.69	11	3,063.60
1/4	272.84	1/4	583.26	1/4	893.92	1/4	1,204.62	1/4	1,515.53	1/4	1,826.44	1/4	2,137.35	1/4	2,448.26	1/4	2,759.17	1/4	3,070.08
1/2	279.32	1/2	589.74	1/2	900.37	1/2	1,211.09	1/2	1,522.01	1/2	1,832.92	1/2	2,143.83	1/2	2,454.74	1/2	2,765.65	1/2	3,076.56
3/4	285.79	3/4	596.22	3/4	906.82	3/4	1,217.57	3/4	1,528.48	3/4	1,839.39	3/4	2,150.30	3/4	2,461.21	3/4	2,772.12	3/4	3,083.03

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 INNAGE GAUGES TAKEN TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE GAUGE POINT. (HERMETIC) LOCATED ON CENTERLINE AND 42"-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77568
<http://www.pmacorp.net>



BARGE "DBL 19"

1 CENTER INNAGE TABLE

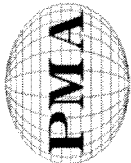
CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,089.51	0	3,400.42	0	3,684.78	0		0		0		0		0		0		0	
1/4	3,095.99	1/4	3,406.90	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,102.47	1/2	3,413.38	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,108.94	3/4	3,419.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,115.42	1	3,426.33	1		1		1		1		1		1		1		1	
1/4	3,121.90	1/4	3,432.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,128.38	1/2	3,439.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,134.85	3/4	3,445.76	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,141.33	2	3,452.24	2		2		2		2		2		2		2		2	
1/4	3,147.81	1/4	3,458.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,154.28	1/2	3,465.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,160.76	3/4	3,471.67	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,167.24	3	3,478.15	3		3		3		3		3		3		3		3	
1/4	3,173.72	1/4	3,484.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,180.19	1/2	3,491.10	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,186.67	3/4	3,497.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,193.15	4	3,504.06	4		4		4		4		4		4		4		4	
1/4	3,199.63	1/4	3,510.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,206.10	1/2	3,517.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,212.58	3/4	3,523.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,219.06	5	3,529.97	5		5		5		5		5		5		5		5	
1/4	3,225.53	1/4	3,536.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,232.01	1/2	3,542.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,238.49	3/4	3,549.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,244.97	6	3,555.88	6		6		6		6		6		6		6		6	
1/4	3,251.44	1/4	3,562.35	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,257.92	1/2	3,568.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,264.40	3/4	3,575.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,270.88	7	3,581.79	7		7		7		7		7		7		7		7	
1/4	3,277.35	1/4	3,588.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,283.83	1/2	3,594.74	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,290.31	3/4	3,601.22	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,296.79	8	3,607.70	8		8		8		8		8		8		8		8	
1/4	3,303.26	1/4	3,614.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,309.74	1/2	3,620.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,316.22	3/4	3,627.13	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,322.69	9	3,633.60	9		9		9		9		9		9		9		9	
1/4	3,329.17	1/4	3,639.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,335.65	1/2	3,645.91	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,342.13	3/4	3,652.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,348.60	10	3,658.22	10		10		10		10		10		10		10		10	
1/4	3,355.08	1/4	3,664.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,361.56	1/2	3,670.52	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,368.04	3/4	3,676.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,374.51	11	3,682.81	11		11		11		11		11		11		11		11	
1/4	3,380.99	1/4	3,688.95	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,387.47	1/2	3,695.10	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,393.94	3/4	3,701.24	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: 06/25/2013 SW
 CALCULATED: 06/25/2013 CL
 PRINTED: 06/25/2013 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77568
 http://www.pmacorp.net



BARGE "DBL 19"

1 STBD

INNAGE 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	7.42	0	322.89	0	651.24	0	979.66	0	1,308.47	0	1,637.29	0	1,966.10	0	2,294.92	0	2,623.73	0	2,952.55
1/4	12.59	1/4	329.74	1/4	658.09	1/4	986.51	1/4	1,315.32	1/4	1,644.14	1/4	1,972.95	1/4	2,301.77	1/4	2,630.58	1/4	2,959.40
1/2	17.77	1/2	336.59	1/2	664.94	1/2	993.36	1/2	1,322.17	1/2	1,650.99	1/2	1,979.80	1/2	2,308.62	1/2	2,637.43	1/2	2,966.25
3/4	22.94	3/4	343.45	3/4	671.79	3/4	1,000.21	3/4	1,329.02	3/4	1,657.84	3/4	1,986.65	3/4	2,315.47	3/4	2,644.28	3/4	2,973.10
1	28.11	1	350.30	1	678.64	1	1,007.06	1	1,335.88	1	1,664.69	1	1,993.50	1	2,322.32	1	2,651.13	1	2,979.95
1/4	34.66	1/4	357.13	1/4	685.49	1/4	1,013.91	1/4	1,342.73	1/4	1,671.54	1/4	2,000.35	1/4	2,329.17	1/4	2,657.98	1/4	2,986.80
1/2	41.20	1/2	363.94	1/2	692.34	1/2	1,020.76	1/2	1,349.58	1/2	1,678.39	1/2	2,007.20	1/2	2,336.02	1/2	2,664.83	1/2	2,993.65
3/4	47.75	3/4	370.81	3/4	699.19	3/4	1,027.61	3/4	1,356.43	3/4	1,685.24	3/4	2,014.05	3/4	2,342.87	3/4	2,671.68	3/4	3,000.50
2	54.30	2	377.65	2	706.05	2	1,034.46	2	1,363.28	2	1,692.09	2	2,020.91	2	2,349.72	2	2,678.53	2	3,007.35
1/4	61.03	1/4	384.47	1/4	712.90	1/4	1,041.31	1/4	1,370.13	1/4	1,698.94	1/4	2,027.76	1/4	2,356.57	1/4	2,685.38	1/4	3,014.20
1/2	67.77	1/2	391.29	1/2	719.75	1/2	1,048.16	1/2	1,376.98	1/2	1,705.79	1/2	2,034.61	1/2	2,363.42	1/2	2,692.23	1/2	3,021.05
3/4	74.51	3/4	398.11	3/4	726.60	3/4	1,055.01	3/4	1,383.83	3/4	1,712.64	3/4	2,041.46	3/4	2,370.27	3/4	2,699.08	3/4	3,027.90
3	81.25	3	404.93	3	733.45	3	1,061.86	3	1,390.68	3	1,719.49	3	2,048.31	3	2,377.12	3	2,705.94	3	3,034.75
1/4	88.04	1/4	411.75	1/4	740.30	1/4	1,068.71	1/4	1,397.53	1/4	1,726.34	1/4	2,055.16	1/4	2,383.97	1/4	2,712.79	1/4	3,041.60
1/2	94.83	1/2	418.57	1/2	747.15	1/2	1,075.56	1/2	1,404.38	1/2	1,733.19	1/2	2,062.01	1/2	2,390.82	1/2	2,719.64	1/2	3,048.45
3/4	101.62	3/4	425.39	3/4	754.00	3/4	1,082.41	3/4	1,411.23	3/4	1,740.04	3/4	2,068.86	3/4	2,397.67	3/4	2,726.49	3/4	3,055.30
4	108.41	4	432.21	4	760.85	4	1,089.26	4	1,418.08	4	1,746.89	4	2,075.71	4	2,404.52	4	2,733.34	4	3,062.15
1/4	115.23	1/4	439.03	1/4	767.70	1/4	1,096.11	1/4	1,424.93	1/4	1,753.74	1/4	2,082.56	1/4	2,411.37	1/4	2,740.19	1/4	3,069.00
1/2	122.05	1/2	445.85	1/2	774.55	1/2	1,102.97	1/2	1,431.78	1/2	1,760.59	1/2	2,089.41	1/2	2,418.22	1/2	2,747.04	1/2	3,075.85
3/4	128.88	3/4	452.68	3/4	781.40	3/4	1,109.82	3/4	1,438.63	3/4	1,767.44	3/4	2,096.26	3/4	2,425.07	3/4	2,753.89	3/4	3,082.70
5	135.70	5	459.50	5	788.25	5	1,116.67	5	1,445.48	5	1,774.29	5	2,103.11	5	2,431.92	5	2,760.74	5	3,089.55
1/4	142.54	1/4	466.34	1/4	795.10	1/4	1,123.52	1/4	1,452.33	1/4	1,781.14	1/4	2,109.96	1/4	2,438.77	1/4	2,767.59	1/4	3,096.40
1/2	149.38	1/2	473.17	1/2	801.95	1/2	1,130.37	1/2	1,459.18	1/2	1,788.00	1/2	2,116.81	1/2	2,445.62	1/2	2,774.44	1/2	3,103.25
3/4	156.23	3/4	480.00	3/4	808.80	3/4	1,137.22	3/4	1,466.03	3/4	1,794.85	3/4	2,123.66	3/4	2,452.47	3/4	2,781.29	3/4	3,110.10
6	163.07	6	486.84	6	815.66	6	1,144.07	6	1,472.88	6	1,801.70	6	2,130.51	6	2,459.32	6	2,788.14	6	3,116.95
1/4	169.70	1/4	493.69	1/4	822.51	1/4	1,150.92	1/4	1,479.73	1/4	1,808.55	1/4	2,137.36	1/4	2,466.17	1/4	2,794.99	1/4	3,123.80
1/2	176.34	1/2	500.53	1/2	829.36	1/2	1,157.77	1/2	1,486.58	1/2	1,815.40	1/2	2,144.21	1/2	2,473.03	1/2	2,801.84	1/2	3,130.65
3/4	182.97	3/4	507.38	3/4	836.21	3/4	1,164.62	3/4	1,493.43	3/4	1,822.25	3/4	2,151.06	3/4	2,479.88	3/4	2,808.69	3/4	3,137.50
7	189.61	7	514.23	7	843.06	7	1,171.47	7	1,500.28	7	1,829.10	7	2,157.91	7	2,486.73	7	2,815.54	7	3,144.35
1/4	195.96	1/4	521.08	1/4	849.89	1/4	1,178.32	1/4	1,507.13	1/4	1,835.95	1/4	2,164.76	1/4	2,493.58	1/4	2,822.39	1/4	3,151.20
1/2	202.30	1/2	527.93	1/2	856.71	1/2	1,185.17	1/2	1,513.98	1/2	1,842.80	1/2	2,171.61	1/2	2,500.43	1/2	2,829.24	1/2	3,158.06
3/4	208.65	3/4	534.78	3/4	863.54	3/4	1,192.02	3/4	1,520.83	3/4	1,849.65	3/4	2,178.46	3/4	2,507.28	3/4	2,836.09	3/4	3,164.91
8	215.00	8	541.63	8	870.37	8	1,198.87	8	1,527.68	8	1,856.50	8	2,185.31	8	2,514.13	8	2,842.94	8	3,171.76
1/4	221.49	1/4	548.48	1/4	877.19	1/4	1,205.72	1/4	1,534.53	1/4	1,863.35	1/4	2,192.16	1/4	2,520.98	1/4	2,849.79	1/4	3,178.61
1/2	227.98	1/2	555.33	1/2	884.01	1/2	1,212.57	1/2	1,541.38	1/2	1,870.20	1/2	2,199.01	1/2	2,527.83	1/2	2,856.64	1/2	3,185.46
3/4	234.48	3/4	562.18	3/4	890.83	3/4	1,219.42	3/4	1,548.23	3/4	1,877.05	3/4	2,205.86	3/4	2,534.68	3/4	2,863.49	3/4	3,192.31
9	240.97	9	569.03	9	897.65	9	1,226.27	9	1,555.08	9	1,883.90	9	2,212.71	9	2,541.53	9	2,870.34	9	3,199.16
1/4	247.75	1/4	575.88	1/4	904.48	1/4	1,233.12	1/4	1,561.94	1/4	1,890.75	1/4	2,219.56	1/4	2,548.38	1/4	2,877.19	1/4	3,206.01
1/2	254.53	1/2	582.73	1/2	911.31	1/2	1,239.97	1/2	1,568.79	1/2	1,897.60	1/2	2,226.41	1/2	2,555.23	1/2	2,884.04	1/2	3,212.86
3/4	261.30	3/4	589.59	3/4	918.14	3/4	1,246.82	3/4	1,575.64	3/4	1,904.45	3/4	2,233.26	3/4	2,562.08	3/4	2,890.89	3/4	3,219.71
10	268.08	10	596.44	10	924.96	10	1,253.67	10	1,582.49	10	1,911.30	10	2,240.11	10	2,568.93	10	2,897.74	10	3,226.56
1/4	274.93	1/4	603.29	1/4	931.79	1/4	1,260.52	1/4	1,589.34	1/4	1,918.15	1/4	2,246.97	1/4	2,575.78	1/4	2,904.59	1/4	3,233.41
1/2	281.79	1/2	610.14	1/2	938.62	1/2	1,267.37	1/2	1,596.19	1/2	1,925.00	1/2	2,253.82	1/2	2,582.63	1/2	2,911.44	1/2	3,240.26
3/4	288.64	3/4	616.99	3/4	945.45	3/4	1,274.22	3/4	1,603.04	3/4	1,931.85	3/4	2,260.67	3/4	2,589.48	3/4	2,918.29	3/4	3,247.11
11	295.49	11	623.84	11	952.28	11	1,281.07	11	1,609.89	11	1,938.70	11	2,267.52	11	2,596.33	11	2,925.14	11	3,253.96
1/4	302.34	1/4	630.69	1/4	959.12	1/4	1,287.92	1/4	1,616.74	1/4	1,945.55	1/4	2,274.37	1/4	2,603.18	1/4	2,932.00	1/4	3,260.81
1/2	309.19	1/2	637.54	1/2	965.97	1/2	1,294.77	1/2	1,623.59	1/2	1,952.40	1/2	2,281.22	1/2	2,610.03	1/2	2,938.85	1/2	3,267.66
3/4	316.04	3/4	644.39	3/4	972.81	3/4	1,301.62	3/4	1,630.44	3/4	1,959.25	3/4	2,288.07	3/4	2,616.88	3/4	2,945.70	3/4	3,274.51

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

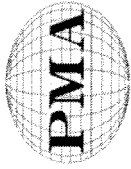
CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 115'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "DBL 19"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

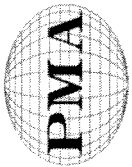
	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	3,281.36	0	3,610.17	0																
1/4	3,288.21	1/4	3,617.03	1/4																
1/2	3,295.06	1/2	3,623.88	1/2																
3/4	3,301.91	3/4	3,630.73	3/4																
1	3,308.76	1	3,637.58	1																
1/4	3,315.61	1/4	3,644.43	1/4																
1/2	3,322.46	1/2	3,651.28	1/2																
3/4	3,329.31	3/4	3,658.13	3/4																
2	3,336.16	2	3,664.98	2																
1/4	3,343.01	1/4	3,671.83	1/4																
1/2	3,349.86	1/2	3,678.68	1/2																
3/4	3,356.71	3/4	3,685.53	3/4																
3	3,363.56	3	3,692.38	3																
1/4	3,370.41	1/4	3,699.23	1/4																
1/2	3,377.26	1/2	3,706.08	1/2																
3/4	3,384.11	3/4	3,712.93	3/4																
4	3,390.97	4	3,719.78	4																
1/4	3,397.82	1/4	3,726.63	1/4																
1/2	3,404.67	1/2	3,733.48	1/2																
3/4	3,411.52	3/4	3,740.33	3/4																
5	3,418.37	5	3,747.18	5																
1/4	3,425.22	1/4	3,754.03	1/4																
1/2	3,432.07	1/2	3,760.88	1/2																
3/4	3,438.92	3/4	3,767.73	3/4																
6	3,445.77	6	3,774.58	6																
1/4	3,452.62	1/4	3,781.43	1/4																
1/2	3,459.47	1/2	3,788.28	1/2																
3/4	3,466.32	3/4	3,795.13	3/4																
7	3,473.17	7	3,801.98	7																
1/4	3,480.02	1/4	3,808.83	1/4																
1/2	3,486.87	1/2	3,815.68	1/2																
3/4	3,493.72	3/4	3,822.53	3/4																
8	3,500.57	8	3,829.38	8																
1/4	3,507.42	1/4	3,836.23	1/4																
1/2	3,514.27	1/2	3,843.08	1/2																
3/4	3,521.12	3/4	3,849.93	3/4																
9	3,527.97	9	3,856.78	9																
1/4	3,534.82	1/4	3,863.63	1/4																
1/2	3,541.67	1/2	3,870.48	1/2																
3/4	3,548.52	3/4	3,877.33	3/4																
10	3,555.37	10	3,884.18	10																
1/4	3,562.22	1/4	3,891.03	1/4																
1/2	3,569.07	1/2	3,897.88	1/2																
3/4	3,575.92	3/4	3,904.73	3/4																
11	3,582.77	11	3,911.58	11																
1/4	3,589.62	1/4	3,918.43	1/4																
1/2	3,596.47	1/2	3,925.28	1/2																
3/4	3,603.32	3/4	3,932.13	3/4																

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/2013 SW
CALCULATED: 06/25/2013 CL
PRINTED: 06/25/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

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



BARGE "DBL 19"

2 CENTER INNAGE 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	
0	2.97	323.90	0	1,014.28	0	1,359.47	0	1,704.65	0	2,049.84	0	2,395.03	0	2,740.21	0	3,085.40				
1/4	6.38	331.10	1/4	1,021.47	1/4	1,366.66	1/4	1,711.84	1/4	2,057.03	1/4	2,402.22	1/4	2,747.41	1/4	3,092.59				
1/2	9.78	338.29	1/2	1,028.66	1/2	1,373.85	1/2	1,719.04	1/2	2,064.22	1/2	2,409.41	1/2	2,754.60	1/2	3,099.78				
3/4	13.19	345.48	3/4	1,035.85	3/4	1,381.04	3/4	1,726.23	3/4	2,071.41	3/4	2,416.60	3/4	2,761.79	3/4	3,106.98				
1	16.60	352.67	1	1,043.04	1	1,388.23	1	1,733.42	1	2,078.61	1	2,423.79	1	2,768.98	1	3,114.17				
1/4	23.18	359.86	1/4	1,050.24	1/4	1,395.42	1/4	1,740.61	1/4	2,085.80	1/4	2,430.98	1/4	2,776.17	1/4	3,121.36				
1/2	29.77	367.05	1/2	1,057.43	1/2	1,402.61	1/2	1,747.80	1/2	2,092.99	1/2	2,438.18	1/2	2,783.36	1/2	3,128.55				
3/4	36.35	374.24	3/4	1,064.62	3/4	1,409.81	3/4	1,754.99	3/4	2,100.18	3/4	2,445.37	3/4	2,790.55	3/4	3,135.74				
2	42.93	381.44	2	1,071.81	2	1,417.00	2	1,762.18	2	2,107.37	2	2,452.56	2	2,797.75	2	3,142.93				
1/4	49.97	388.63	1/4	1,079.00	1/4	1,424.19	1/4	1,769.38	1/4	2,114.56	1/4	2,459.75	1/4	2,804.94	1/4	3,150.12				
1/2	57.00	395.82	1/2	1,086.19	1/2	1,431.38	1/2	1,776.57	1/2	2,121.75	1/2	2,466.94	1/2	2,812.13	1/2	3,157.32				
3/4	64.03	403.01	3/4	1,093.38	3/4	1,438.57	3/4	1,783.76	3/4	2,128.95	3/4	2,474.13	3/4	2,819.32	3/4	3,164.51				
3	71.07	410.20	3	1,100.58	3	1,445.76	3	1,790.95	3	2,136.14	3	2,481.32	3	2,826.51	3	3,171.70				
1/4	78.17	417.39	1/4	1,107.77	1/4	1,452.95	1/4	1,798.14	1/4	2,143.33	1/4	2,488.52	1/4	2,833.70	1/4	3,178.89				
1/2	85.28	424.58	1/2	1,114.96	1/2	1,460.15	1/2	1,805.33	1/2	2,150.52	1/2	2,495.71	1/2	2,840.89	1/2	3,186.08				
3/4	92.38	431.78	3/4	1,122.15	3/4	1,467.34	3/4	1,812.52	3/4	2,157.71	3/4	2,502.90	3/4	2,848.09	3/4	3,193.27				
4	99.48	438.97	4	1,129.34	4	1,474.53	4	1,819.72	4	2,164.90	4	2,510.09	4	2,855.28	4	3,200.46				
1/4	106.63	446.16	1/4	1,136.53	1/4	1,481.72	1/4	1,826.91	1/4	2,172.09	1/4	2,517.28	1/4	2,862.47	1/4	3,207.66				
1/2	113.78	453.35	1/2	1,143.72	1/2	1,488.91	1/2	1,834.10	1/2	2,179.29	1/2	2,524.47	1/2	2,869.66	1/2	3,214.85				
3/4	120.92	460.54	3/4	1,150.92	3/4	1,496.10	3/4	1,841.29	3/4	2,186.48	3/4	2,531.66	3/4	2,876.85	3/4	3,222.04				
5	128.07	467.73	5	1,158.11	5	1,503.29	5	1,848.48	5	2,193.67	5	2,538.86	5	2,884.04	5	3,229.23				
1/4	135.24	474.92	1/4	1,165.30	1/4	1,510.49	1/4	1,855.67	1/4	2,200.86	1/4	2,546.05	1/4	2,891.23	1/4	3,236.42				
1/2	142.42	482.12	1/2	1,172.49	1/2	1,517.68	1/2	1,862.86	1/2	2,208.05	1/2	2,553.24	1/2	2,898.43	1/2	3,243.61				
3/4	149.59	489.31	3/4	1,179.68	3/4	1,524.88	3/4	1,870.06	3/4	2,215.24	3/4	2,560.43	3/4	2,905.62	3/4	3,250.80				
6	156.77	496.50	6	1,186.87	6	1,532.06	6	1,877.25	6	2,222.43	6	2,567.62	6	2,912.81	6	3,258.00				
1/4	163.87	503.69	1/4	1,194.06	1/4	1,539.25	1/4	1,884.44	1/4	2,229.63	1/4	2,574.81	1/4	2,920.00	1/4	3,265.19				
1/2	170.97	510.88	1/2	1,201.26	1/2	1,546.44	1/2	1,891.63	1/2	2,236.82	1/2	2,582.00	1/2	2,927.19	1/2	3,272.38				
3/4	178.07	518.07	3/4	1,208.45	3/4	1,553.63	3/4	1,898.82	3/4	2,244.01	3/4	2,589.20	3/4	2,934.38	3/4	3,279.57				
7	185.18	525.26	7	1,215.64	7	1,560.83	7	1,906.01	7	2,251.20	7	2,596.39	7	2,941.57	7	3,286.76				
1/4	191.94	532.46	1/4	1,222.83	1/4	1,568.02	1/4	1,913.20	1/4	2,258.39	1/4	2,603.58	1/4	2,948.77	1/4	3,293.95				
1/2	198.71	539.65	1/2	1,230.02	1/2	1,575.21	1/2	1,920.40	1/2	2,265.58	1/2	2,610.77	1/2	2,955.96	1/2	3,301.14				
3/4	205.48	546.84	3/4	1,237.21	3/4	1,582.40	3/4	1,927.59	3/4	2,272.77	3/4	2,617.96	3/4	2,963.15	3/4	3,308.34				
8	212.24	554.03	8	1,244.40	8	1,589.59	8	1,934.78	8	2,279.97	8	2,625.15	8	2,970.34	8	3,315.53				
1/4	218.84	561.22	1/4	1,251.60	1/4	1,596.78	1/4	1,941.97	1/4	2,287.16	1/4	2,632.34	1/4	2,977.53	1/4	3,322.72				
1/2	225.43	568.41	1/2	1,258.79	1/2	1,603.97	1/2	1,949.16	1/2	2,294.35	1/2	2,639.54	1/2	2,984.72	1/2	3,329.91				
3/4	232.03	575.60	3/4	1,265.98	3/4	1,611.17	3/4	1,956.35	3/4	2,301.54	3/4	2,646.73	3/4	2,991.91	3/4	3,337.10				
9	238.63	582.79	9	1,273.17	9	1,618.36	9	1,963.54	9	2,308.73	9	2,653.92	9	2,999.11	9	3,344.29				
1/4	245.56	589.99	1/4	1,280.36	1/4	1,625.55	1/4	1,970.73	1/4	2,315.92	1/4	2,661.11	1/4	3,006.30	1/4	3,351.48				
1/2	252.50	597.18	1/2	1,287.55	1/2	1,632.74	1/2	1,977.93	1/2	2,323.11	1/2	2,668.30	1/2	3,013.49	1/2	3,358.68				
3/4	259.44	604.37	3/4	1,294.74	3/4	1,639.93	3/4	1,985.12	3/4	2,330.31	3/4	2,675.49	3/4	3,020.68	3/4	3,365.87				
10	266.37	611.56	10	1,301.93	10	1,647.12	10	1,992.31	10	2,337.50	10	2,682.68	10	3,027.87	10	3,373.06				
1/4	273.56	618.75	1/4	1,309.13	1/4	1,654.31	1/4	1,999.50	1/4	2,344.69	1/4	2,689.88	1/4	3,035.06	1/4	3,380.25				
1/2	280.76	625.94	1/2	1,316.32	1/2	1,661.50	1/2	2,006.69	1/2	2,351.88	1/2	2,697.07	1/2	3,042.25	1/2	3,387.44				
3/4	287.95	633.13	3/4	1,323.51	3/4	1,668.70	3/4	2,013.88	3/4	2,359.07	3/4	2,704.26	3/4	3,049.45	3/4	3,394.63				
11	295.14	640.33	11	1,330.70	11	1,675.89	11	2,021.07	11	2,366.26	11	2,711.45	11	3,056.64	11	3,401.82				
1/4	302.33	647.52	1/4	1,337.89	1/4	1,683.08	1/4	2,028.27	1/4	2,373.45	1/4	2,718.64	1/4	3,063.83	1/4	3,409.02				
1/2	309.52	654.71	1/2	1,345.08	1/2	1,690.27	1/2	2,035.46	1/2	2,380.64	1/2	2,725.83	1/2	3,071.02	1/2	3,416.21				
3/4	316.71	661.90	3/4	1,352.27	3/4	1,697.46	3/4	2,042.65	3/4	2,387.84	3/4	2,733.02	3/4	3,078.21	3/4	3,423.40				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

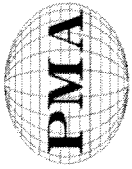
BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 60"-00" FORWARD OF AFT BULKHEAD.

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





BARGE "DBL 19"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS



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
0	3,430.59	0	3,775.78	0	4,091.47	0		0		0		0		0		0		0	
1/4	3,437.78	1/4	3,782.97	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,444.97	1/2	3,790.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,452.16	3/4	3,797.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,459.35	1	3,804.54	1		1		1		1		1		1		1		1	
1/4	3,466.55	1/4	3,811.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,473.74	1/2	3,818.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,480.93	3/4	3,826.12	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,488.12	2	3,833.31	2		2		2		2		2		2		2		2	
1/4	3,495.31	1/4	3,840.50	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,502.50	1/2	3,847.69	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,509.69	3/4	3,854.88	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,516.89	3	3,862.07	3		3		3		3		3		3		3		3	
1/4	3,524.08	1/4	3,869.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,531.27	1/2	3,876.46	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,538.46	3/4	3,883.65	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,545.65	4	3,890.84	4		4		4		4		4		4		4		4	
1/4	3,552.84	1/4	3,898.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,560.03	1/2	3,905.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,567.23	3/4	3,912.41	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,574.42	5	3,919.60	5		5		5		5		5		5		5		5	
1/4	3,581.61	1/4	3,926.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,588.80	1/2	3,933.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,595.99	3/4	3,941.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,603.18	6	3,948.37	6		6		6		6		6		6		6		6	
1/4	3,610.37	1/4	3,955.56	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,617.57	1/2	3,962.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,624.76	3/4	3,969.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,631.95	7	3,977.14	7		7		7		7		7		7		7		7	
1/4	3,639.14	1/4	3,984.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,646.33	1/2	3,991.52	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,653.52	3/4	3,998.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,660.71	8	4,005.90	8		8		8		8		8		8		8		8	
1/4	3,667.91	1/4	4,013.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,675.10	1/2	4,020.28	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,682.29	3/4	4,027.48	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,689.48	9	4,034.67	9		9		9		9		9		9		9		9	
1/4	3,696.67	1/4	4,041.86	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,703.86	1/2	4,049.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,711.05	3/4	4,056.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,718.25	10	4,063.43	10		10		10		10		10		10		10		10	
1/4	3,725.44	1/4	4,070.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,732.63	1/2	4,077.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,739.82	3/4	4,085.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,747.01	11	4,092.19	11		11		11		11		11		11		11		11	
1/4	3,754.20	1/4	4,099.38	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,761.39	1/2	4,106.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,768.59	3/4	4,113.76	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

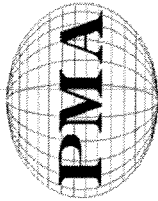
STRAPPED: 06/25/2013 SW
 CALCULATED: 06/25/2013 CL
 PRINTED: 06/25/2013 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2013

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

Remote User

 Job 436
 04/24/14 01:53 PM





BARGE "DBL 19"

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	03-0/8	- 03-0/8	03-5/8	- 03-5/8
1 CENTER	- 00-1/2	00-1/2	- 00-7/8	00-7/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-3/4	02-3/4
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	03-0/8	- 03-0/8	03-5/8	- 03-5/8
2 CENTER	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-3/4	- 01-3/4

(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)

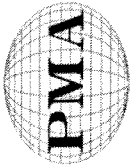
THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 01-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-10 3/4"

LENGTH BETWEEN DRAFT MARKS: 198'-03"

June 25, 2013

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

<http://www.pmacorp.net>



BARGE "DBL 19"

1 PORT 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	3,787.34	0	3,463.46	0	3,134.26	0	2,805.07	0	2,475.88	0	2,146.68	0	1,817.49	0	1,488.29	0	1,159.10	0
1/4	1/4	3,782.63	1/4	3,456.60	1/4	3,127.40	1/4	2,798.21	1/4	2,469.02	1/4	2,139.82	1/4	1,810.63	1/4	1,481.44	1/4	1,152.24	1/4
1/2	1/2	3,777.91	1/2	3,449.74	1/2	3,120.55	1/2	2,791.35	1/2	2,462.16	1/2	2,132.97	1/2	1,803.77	1/2	1,474.58	1/2	1,145.38	1/2
3/4	3/4	3,773.31	3/4	3,442.88	3/4	3,113.69	3/4	2,784.49	3/4	2,455.30	3/4	2,126.11	3/4	1,796.91	3/4	1,467.72	3/4	1,138.53	3/4
1	1	3,764.71	1	3,436.02	1	3,106.83	1	2,777.64	1	2,448.44	1	2,119.25	1	1,790.06	1	1,460.86	1	1,131.67	1
1/4	1/4	3,758.10	1/4	3,429.17	1/4	3,099.97	1/4	2,770.78	1/4	2,441.58	1/4	2,112.39	1/4	1,783.20	1/4	1,454.00	1/4	1,124.81	1/4
1/2	1/2	3,751.50	1/2	3,422.31	1/2	3,093.11	1/2	2,763.34	1/2	2,434.73	1/2	2,105.67	1/2	1,776.34	1/2	1,447.15	1/2	1,117.99	1/2
3/4	3/4	3,744.64	3/4	3,415.45	3/4	3,086.26	3/4	2,757.92	3/4	2,427.87	3/4	2,098.67	3/4	1,769.48	3/4	1,440.29	3/4	1,111.09	3/4
2	2	3,737.78	2	3,408.59	2	3,079.40	2	2,750.20	2	2,421.01	2	2,091.82	2	1,762.62	2	1,433.43	2	1,104.24	2
1/4	1/4	3,730.93	1/4	3,401.73	1/4	3,072.54	1/4	2,743.35	1/4	2,414.15	1/4	2,084.96	1/4	1,755.76	1/4	1,426.57	1/4	1,097.38	1/4
1/2	1/2	3,724.07	1/2	3,394.87	1/2	3,065.68	1/2	2,736.49	1/2	2,407.29	1/2	2,076.10	1/2	1,748.91	1/2	1,419.71	1/2	1,090.52	1/2
3/4	3/4	3,717.21	3/4	3,388.02	3/4	3,058.82	3/4	2,729.63	3/4	2,400.44	3/4	2,071.24	3/4	1,742.05	3/4	1,412.85	3/4	1,083.66	3/4
3	3	3,710.35	3	3,381.16	3	3,051.96	3	2,722.77	3	2,393.58	3	2,064.38	3	1,735.19	3	1,406.00	3	1,076.80	3
1/4	1/4	3,703.49	1/4	3,374.30	1/4	3,045.11	1/4	2,715.91	1/4	2,386.72	1/4	2,057.53	1/4	1,728.33	1/4	1,399.14	1/4	1,069.94	1/4
1/2	1/2	3,696.64	1/2	3,367.44	1/2	3,038.25	1/2	2,709.05	1/2	2,379.86	1/2	2,050.67	1/2	1,721.47	1/2	1,392.28	1/2	1,063.09	1/2
3/4	3/4	3,689.78	3/4	3,360.58	3/4	3,031.39	3/4	2,702.20	3/4	2,373.00	3/4	2,043.81	3/4	1,714.62	3/4	1,385.42	3/4	1,056.23	3/4
4	4	3,682.92	4	3,353.72	4	3,024.53	4	2,695.34	4	2,366.14	4	2,036.95	4	1,707.76	4	1,378.56	4	1,049.37	4
1/4	1/4	3,676.06	1/4	3,346.87	1/4	3,017.67	1/4	2,688.48	1/4	2,359.29	1/4	2,030.09	1/4	1,700.90	1/4	1,371.71	1/4	1,042.51	1/4
1/2	1/2	3,669.20	1/2	3,340.01	1/2	3,010.81	1/2	2,681.62	1/2	2,352.43	1/2	2,023.23	1/2	1,694.04	1/2	1,364.85	1/2	1,035.65	1/2
3/4	3/4	3,662.34	3/4	3,333.15	3/4	3,003.96	3/4	2,674.76	3/4	2,345.57	3/4	2,016.38	3/4	1,687.18	3/4	1,357.99	3/4	1,028.80	3/4
5	5	3,655.49	5	3,326.29	5	2,997.10	5	2,667.90	5	2,338.71	5	2,009.52	5	1,680.32	5	1,351.13	5	1,021.94	5
1/4	1/4	3,648.63	1/4	3,319.43	1/4	2,990.24	1/4	2,661.05	1/4	2,331.85	1/4	2,002.66	1/4	1,673.47	1/4	1,344.27	1/4	1,015.08	1/4
1/2	1/2	3,641.77	1/2	3,312.58	1/2	2,983.38	1/2	2,654.19	1/2	2,324.99	1/2	1,995.80	1/2	1,666.61	1/2	1,337.41	1/2	1,008.22	1/2
3/4	3/4	3,634.91	3/4	3,305.72	3/4	2,976.52	3/4	2,647.33	3/4	2,318.14	3/4	1,988.94	3/4	1,659.75	3/4	1,330.56	3/4	1,001.36	3/4
6	6	3,628.05	6	3,298.86	6	2,969.67	6	2,640.47	6	2,311.28	6	1,982.08	6	1,652.89	6	1,323.70	6	994.50	6
1/4	1/4	3,621.19	1/4	3,292.00	1/4	2,962.81	1/4	2,633.61	1/4	2,304.42	1/4	1,975.23	1/4	1,646.03	1/4	1,316.84	1/4	987.65	1/4
1/2	1/2	3,614.34	1/2	3,285.14	1/2	2,955.95	1/2	2,626.76	1/2	2,297.56	1/2	1,968.37	1/2	1,639.17	1/2	1,309.98	1/2	980.79	1/2
3/4	3/4	3,607.48	3/4	3,278.28	3/4	2,949.09	3/4	2,619.90	3/4	2,290.70	3/4	1,961.51	3/4	1,632.32	3/4	1,303.12	3/4	973.93	3/4
7	7	3,600.62	7	3,271.43	7	2,942.23	7	2,613.04	7	2,283.85	7	1,954.65	7	1,625.46	7	1,296.26	7	967.08	7
1/4	1/4	3,593.76	1/4	3,264.57	1/4	2,935.37	1/4	2,606.18	1/4	2,276.99	1/4	1,947.79	1/4	1,618.60	1/4	1,289.41	1/4	960.23	1/4
1/2	1/2	3,586.90	1/2	3,257.71	1/2	2,928.52	1/2	2,599.32	1/2	2,270.13	1/2	1,940.94	1/2	1,611.74	1/2	1,282.55	1/2	953.38	1/2
3/4	3/4	3,580.05	3/4	3,250.85	3/4	2,921.66	3/4	2,592.46	3/4	2,263.27	3/4	1,934.08	3/4	1,604.88	3/4	1,275.69	3/4	946.54	3/4
8	8	3,573.19	8	3,243.99	8	2,914.80	8	2,585.61	8	2,256.41	8	1,927.22	8	1,598.03	8	1,268.83	8	939.70	8
1/4	1/4	3,566.33	1/4	3,237.14	1/4	2,907.94	1/4	2,578.75	1/4	2,249.55	1/4	1,920.36	1/4	1,591.17	1/4	1,261.97	1/4	932.86	1/4
1/2	1/2	3,559.47	1/2	3,230.28	1/2	2,901.08	1/2	2,571.89	1/2	2,242.70	1/2	1,913.50	1/2	1,584.31	1/2	1,255.12	1/2	926.03	1/2
3/4	3/4	3,552.61	3/4	3,223.42	3/4	2,894.23	3/4	2,565.03	3/4	2,235.84	3/4	1,906.64	3/4	1,577.45	3/4	1,248.26	3/4	919.19	3/4
9	9	3,545.75	9	3,216.56	9	2,887.37	9	2,558.17	9	2,228.98	9	1,899.79	9	1,570.59	9	1,241.40	9	912.36	9
1/4	1/4	3,538.90	1/4	3,209.70	1/4	2,880.51	1/4	2,551.32	1/4	2,222.12	1/4	1,892.93	1/4	1,563.73	1/4	1,234.54	1/4	905.52	1/4
1/2	1/2	3,532.04	1/2	3,202.84	1/2	2,873.65	1/2	2,544.46	1/2	2,215.26	1/2	1,886.07	1/2	1,556.88	1/2	1,227.68	1/2	898.69	1/2
3/4	3/4	3,525.18	3/4	3,195.99	3/4	2,866.79	3/4	2,537.60	3/4	2,208.41	3/4	1,879.21	3/4	1,550.02	3/4	1,220.82	3/4	891.86	3/4
10	10	3,518.32	10	3,189.13	10	2,859.93	10	2,530.74	10	2,201.55	10	1,872.35	10	1,543.16	10	1,213.97	10	885.03	10
1/4	1/4	3,511.46	1/4	3,182.27	1/4	2,853.08	1/4	2,523.88	1/4	2,194.69	1/4	1,865.50	1/4	1,536.30	1/4	1,207.11	1/4	878.20	1/4
1/2	1/2	3,504.61	1/2	3,175.41	1/2	2,846.22	1/2	2,517.02	1/2	2,187.83	1/2	1,858.64	1/2	1,529.44	1/2	1,200.25	1/2	871.37	1/2
3/4	3/4	3,497.75	3/4	3,168.55	3/4	2,839.36	3/4	2,510.17	3/4	2,180.97	3/4	1,851.78	3/4	1,522.59	3/4	1,193.39	3/4	864.54	3/4
11	11	3,490.89	11	3,161.70	11	2,832.50	11	2,503.31	11	2,174.11	11	1,844.92	11	1,515.73	11	1,186.53	11	857.70	11
1/4	1/4	3,484.03	1/4	3,154.84	1/4	2,825.64	1/4	2,496.45	1/4	2,167.26	1/4	1,838.06	1/4	1,508.87	1/4	1,179.68	1/4	850.86	1/4
1/2	1/2	3,477.17	1/2	3,147.98	1/2	2,818.79	1/2	2,489.59	1/2	2,160.40	1/2	1,831.20	1/2	1,502.01	1/2	1,172.82	1/2	844.03	1/2
3/4	3/4	3,470.31	3/4	3,141.12	3/4	2,811.93	3/4	2,482.73	3/4	2,153.54	3/4	1,824.35	3/4	1,495.15	3/4	1,165.96	3/4	837.17	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

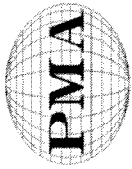
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 115'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "DBL 19"

1 PORT ULLAGE TABLE

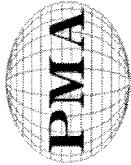
CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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
0	830.31	0	501.10	0	176.53	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	823.45	1/4	494.25	1/4	169.89	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	1/4
1/2	816.59	1/2	487.39	1/2	163.25	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	1/2
3/4	809.73	3/4	480.55	3/4	156.40	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	3/4
1	802.88	1	473.71	1	149.55	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	796.02	1/4	466.87	1/4	142.70	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	1/4
1/2	789.16	1/2	460.02	1/2	135.85	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	1/2
3/4	782.30	3/4	453.19	3/4	129.02	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	3/4
2	775.44	2	446.36	2	122.19	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	768.58	1/4	439.53	1/4	115.36	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	1/4
1/2	761.72	1/2	432.70	1/2	108.53	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	1/2
3/4	754.87	3/4	425.87	3/4	101.73	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	3/4
3	748.01	3	419.04	3	94.93	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	741.15	1/4	412.21	1/4	88.14	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	1/4
1/2	734.29	1/2	405.39	1/2	81.34	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	1/2
3/4	727.43	3/4	398.56	3/4	74.59	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	3/4
4	720.57	4	391.73	4	67.85	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	713.71	1/4	384.90	1/4	61.10	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	1/4
1/2	706.85	1/2	378.07	1/2	54.36	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	1/2
3/4	700.00	3/4	371.23	3/4	47.81	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	3/4
5	693.14	5	364.38	5	41.25	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	686.28	1/4	357.54	1/4	34.70	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	1/4
1/2	679.42	1/2	350.69	1/2	28.14	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	1/2
3/4	672.56	3/4	343.83	3/4	22.97	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	3/4
6	665.70	6	336.97	6	17.79	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	658.84	1/4	330.11	1/4	12.61	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	1/4
1/2	651.99	1/2	323.25	1/2	7.43	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	1/2
3/4	645.13	3/4	316.40	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	3/4	3/4
7	638.27	7	309.54	7		7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	631.41	1/4	302.68	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	1/4	1/4
1/2	624.55	1/2	295.82	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	1/2	1/2
3/4	617.69	3/4	288.96	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	3/4	3/4
8	610.83	8	282.10	8		8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	603.98	1/4	275.24	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	1/4	1/4
1/2	597.12	1/2	268.38	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	1/2	1/2
3/4	590.26	3/4	261.59	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	3/4	3/4
9	583.40	9	254.81	9		9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	576.54	1/4	248.02	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	1/4	1/4
1/2	569.68	1/2	241.23	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	1/2	1/2
3/4	562.82	3/4	234.73	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	3/4	3/4
10	555.97	10	228.23	10		10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	549.11	1/4	221.73	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	1/4	1/4
1/2	542.25	1/2	215.23	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	1/2	1/2
3/4	535.39	3/4	208.88	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	3/4	3/4
11	528.53	11	202.52	11		11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	521.67	1/4	196.17	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	1/4	1/4
1/2	514.81	1/2	189.81	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	1/2	1/2
3/4	507.96	3/4	183.17	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	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/2013 SW
CALCULATED: 06/25/2013 CL
PRINTED: 06/25/2013 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 20992
Pearland, Texas 77588
http://www.primacorp.net



BARGE "DBL 19"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

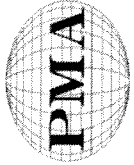
GAUGE HEIGHT 13'-00" 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	
0	0	3,406.90	0	3,095.99	0	2,785.08	0	2,474.17	0	2,163.26	0	1,852.35	0	1,541.44	0	1,230.53	0	1,541.44	0	1,230.53
1/4	1/4	3,684.78	1/4	3,089.51	1/4	2,778.60	1/4	2,467.69	1/4	2,156.78	1/4	1,845.87	1/4	1,534.96	1/4	1,224.05	1/4	1,534.96	1/4	1,224.05
1/2	1/2	3,682.67	1/2	3,083.03	1/2	2,772.12	1/2	2,461.21	1/2	2,150.30	1/2	1,839.39	1/2	1,528.48	1/2	1,217.57	1/2	1,528.48	1/2	1,217.57
3/4	3/4	3,387.47	3/4	3,076.56	3/4	2,765.65	3/4	2,454.74	3/4	2,143.83	3/4	1,832.92	3/4	1,522.01	3/4	1,211.09	3/4	1,522.01	3/4	1,211.09
1	1	3,380.99	1	3,070.08	1	2,759.17	1	2,448.26	1	2,137.35	1	1,826.44	1	1,515.53	1	1,204.62	1	1,515.53	1	1,204.62
1/4	1/4	3,374.51	1/4	3,063.60	1/4	2,752.69	1/4	2,441.78	1/4	2,130.87	1/4	1,819.96	1/4	1,509.05	1/4	1,198.14	1/4	1,509.05	1/4	1,198.14
1/2	1/2	3,368.04	1/2	3,057.13	1/2	2,746.21	1/2	2,435.30	1/2	2,124.39	1/2	1,813.48	1/2	1,502.57	1/2	1,191.66	1/2	1,502.57	1/2	1,191.66
3/4	3/4	3,361.56	3/4	3,050.65	3/4	2,739.74	3/4	2,428.83	3/4	2,117.92	3/4	1,807.01	3/4	1,496.10	3/4	1,185.19	3/4	1,496.10	3/4	1,185.19
2	2	3,355.08	2	3,044.17	2	2,733.26	2	2,422.35	2	2,111.44	2	1,800.53	2	1,489.62	2	1,178.71	2	1,489.62	2	1,178.71
1/4	1/4	3,348.60	1/4	3,037.69	1/4	2,727.78	1/4	2,416.87	1/4	2,104.96	1/4	1,794.05	1/4	1,483.14	1/4	1,172.23	1/4	1,483.14	1/4	1,172.23
1/2	1/2	3,342.13	1/2	3,031.22	1/2	2,720.31	1/2	2,409.40	1/2	2,098.48	1/2	1,787.57	1/2	1,476.66	1/2	1,165.75	1/2	1,476.66	1/2	1,165.75
3/4	3/4	3,335.65	3/4	3,024.74	3/4	2,713.83	3/4	2,402.92	3/4	2,092.01	3/4	1,781.10	3/4	1,470.19	3/4	1,159.28	3/4	1,470.19	3/4	1,159.28
3	3	3,329.17	3	3,018.26	3	2,707.35	3	2,396.44	3	2,085.53	3	1,774.62	3	1,463.71	3	1,152.80	3	1,463.71	3	1,152.80
1/4	1/4	3,322.69	1/4	3,011.78	1/4	2,700.87	1/4	2,389.96	1/4	2,079.05	1/4	1,768.14	1/4	1,457.23	1/4	1,146.32	1/4	1,457.23	1/4	1,146.32
1/2	1/2	3,316.22	1/2	3,005.31	1/2	2,694.40	1/2	2,383.49	1/2	2,072.58	1/2	1,761.67	1/2	1,450.75	1/2	1,139.84	1/2	1,450.75	1/2	1,139.84
3/4	3/4	3,309.74	3/4	2,998.83	3/4	2,687.92	3/4	2,377.01	3/4	2,066.10	3/4	1,755.19	3/4	1,444.28	3/4	1,133.37	3/4	1,444.28	3/4	1,133.37
4	4	3,303.26	4	2,992.35	4	2,681.44	4	2,370.53	4	2,059.62	4	1,748.71	4	1,437.80	4	1,126.89	4	1,437.80	4	1,126.89
1/4	1/4	3,296.79	1/4	2,985.87	1/4	2,674.96	1/4	2,364.05	1/4	2,053.14	1/4	1,742.23	1/4	1,431.32	1/4	1,120.41	1/4	1,431.32	1/4	1,120.41
1/2	1/2	3,290.31	1/2	2,979.40	1/2	2,668.49	1/2	2,357.58	1/2	2,046.67	1/2	1,735.76	1/2	1,424.85	1/2	1,113.94	1/2	1,424.85	1/2	1,113.94
3/4	3/4	3,283.83	3/4	2,972.92	3/4	2,662.01	3/4	2,351.10	3/4	2,040.19	3/4	1,729.28	3/4	1,418.37	3/4	1,107.46	3/4	1,418.37	3/4	1,107.46
5	5	3,277.35	5	2,966.44	5	2,655.53	5	2,344.62	5	2,033.71	5	1,722.80	5	1,411.89	5	1,100.98	5	1,411.89	5	1,100.98
1/4	1/4	3,270.88	1/4	2,959.97	1/4	2,649.06	1/4	2,338.14	1/4	2,027.23	1/4	1,716.32	1/4	1,405.41	1/4	1,094.50	1/4	1,405.41	1/4	1,094.50
1/2	1/2	3,264.40	1/2	2,953.49	1/2	2,642.58	1/2	2,331.67	1/2	2,020.76	1/2	1,709.85	1/2	1,398.94	1/2	1,088.03	1/2	1,398.94	1/2	1,088.03
3/4	3/4	3,257.92	3/4	2,947.01	3/4	2,636.10	3/4	2,325.19	3/4	2,014.28	3/4	1,703.37	3/4	1,392.46	3/4	1,081.55	3/4	1,392.46	3/4	1,081.55
6	6	3,251.44	6	2,940.53	6	2,629.62	6	2,318.71	6	2,007.80	6	1,696.89	6	1,385.98	6	1,075.07	6	1,385.98	6	1,075.07
1/4	1/4	3,244.97	1/4	2,934.06	1/4	2,623.15	1/4	2,312.24	1/4	2,001.33	1/4	1,690.41	1/4	1,379.50	1/4	1,068.59	1/4	1,379.50	1/4	1,068.59
1/2	1/2	3,238.49	1/2	2,927.58	1/2	2,616.67	1/2	2,305.76	1/2	1,994.85	1/2	1,683.94	1/2	1,373.03	1/2	1,062.12	1/2	1,373.03	1/2	1,062.12
3/4	3/4	3,232.01	3/4	2,921.10	3/4	2,610.19	3/4	2,299.28	3/4	1,988.37	3/4	1,677.46	3/4	1,366.55	3/4	1,055.64	3/4	1,366.55	3/4	1,055.64
7	7	3,225.53	7	2,914.62	7	2,603.71	7	2,292.80	7	1,981.89	7	1,670.98	7	1,360.07	7	1,049.16	7	1,360.07	7	1,049.16
1/4	1/4	3,219.06	1/4	2,908.15	1/4	2,597.24	1/4	2,286.33	1/4	1,975.42	1/4	1,664.51	1/4	1,353.60	1/4	1,042.68	1/4	1,353.60	1/4	1,042.68
1/2	1/2	3,212.58	1/2	2,901.67	1/2	2,590.76	1/2	2,279.85	1/2	1,968.94	1/2	1,658.03	1/2	1,347.12	1/2	1,036.21	1/2	1,347.12	1/2	1,036.21
3/4	3/4	3,206.10	3/4	2,895.19	3/4	2,584.28	3/4	2,273.37	3/4	1,962.46	3/4	1,651.55	3/4	1,340.64	3/4	1,029.73	3/4	1,340.64	3/4	1,029.73
8	8	3,199.63	8	2,888.72	8	2,577.80	8	2,266.89	8	1,955.98	8	1,645.07	8	1,334.16	8	1,023.25	8	1,334.16	8	1,023.25
1/4	1/4	3,193.15	1/4	2,882.24	1/4	2,571.33	1/4	2,260.42	1/4	1,949.51	1/4	1,638.60	1/4	1,327.69	1/4	1,016.78	1/4	1,327.69	1/4	1,016.78
1/2	1/2	3,186.67	1/2	2,875.76	1/2	2,564.85	1/2	2,253.94	1/2	1,943.03	1/2	1,632.12	1/2	1,321.21	1/2	1,010.30	1/2	1,321.21	1/2	1,010.30
3/4	3/4	3,180.19	3/4	2,869.28	3/4	2,558.37	3/4	2,247.46	3/4	1,936.55	3/4	1,625.64	3/4	1,314.73	3/4	1,003.82	3/4	1,314.73	3/4	1,003.82
9	9	3,173.72	9	2,862.81	9	2,551.90	9	2,240.99	9	1,930.07	9	1,619.16	9	1,308.25	9	997.34	9	1,308.25	9	997.34
1/4	1/4	3,167.24	1/4	2,856.33	1/4	2,545.42	1/4	2,234.51	1/4	1,923.60	1/4	1,612.69	1/4	1,301.78	1/4	990.87	1/4	1,301.78	1/4	990.87
1/2	1/2	3,160.76	1/2	2,849.85	1/2	2,538.94	1/2	2,228.03	1/2	1,917.12	1/2	1,606.21	1/2	1,295.30	1/2	984.39	1/2	1,295.30	1/2	984.39
3/4	3/4	3,154.28	3/4	2,843.37	3/4	2,532.46	3/4	2,221.55	3/4	1,910.64	3/4	1,599.73	3/4	1,288.82	3/4	977.91	3/4	1,288.82	3/4	977.91
10	10	3,147.81	10	2,836.90	10	2,525.99	10	2,215.08	10	1,904.17	10	1,593.26	10	1,282.34	10	971.43	10	1,282.34	10	971.43
1/4	1/4	3,141.33	1/4	2,830.42	1/4	2,519.51	1/4	2,208.60	1/4	1,897.69	1/4	1,586.78	1/4	1,275.87	1/4	964.96	1/4	1,275.87	1/4	964.96
1/2	1/2	3,134.85	1/2	2,823.94	1/2	2,513.03	1/2	2,202.12	1/2	1,891.21	1/2	1,580.30	1/2	1,269.39	1/2	958.49	1/2	1,269.39	1/2	958.49
3/4	3/4	3,128.38	3/4	2,817.47	3/4	2,506.55	3/4	2,195.64	3/4	1,884.73	3/4	1,573.82	3/4	1,262.91	3/4	952.02	3/4	1,262.91	3/4	952.02
11	11	3,121.90	11	2,810.99	11	2,500.08	11	2,189.17	11	1,878.26	11	1,567.35	11	1,256.44	11	945.55	11	1,256.44	11	945.55
1/4	1/4	3,115.42	1/4	2,804.51	1/4	2,493.60	1/4	2,182.69	1/4	1,871.78	1/4	1,560.87	1/4	1,254.44	1/4	939.09	1/4	1,254.44	1/4	939.09
1/2	1/2	3,108.94	1/2	2,798.03	1/2	2,487.12	1/2	2,176.21	1/2	1,865.30	1/2	1,554.39	1/2	1,243.48	1/2	932.63	1/2	1,243.48	1/2	932.63
3/4	3/4	3,102.47	3/4	2,791.56	3/4	2,480.65	3/4	2,169.74	3/4	1,858.82	3/4	1,547.91	3/4	1,237.00	3/4	926.18	3/4	1,237.00	3/4	926.18

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 ONLY APPLIES TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "DBL 19"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 13'-00 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.		
IN	0	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	
0	919.72	0	609.17	0	298.75	0	5.80	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	913.27	1/4	292.27	1/4	292.77	1/4	2.73	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
1/2	906.82	1/2	596.22	1/2	285.79	1/2	285.79	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
3/4	900.37	3/4	589.74	3/4	279.32	3/4	279.32	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
1	893.92	1	583.26	1	272.84	1	272.84	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	887.47	1/4	576.79	1/4	266.36	1/4	266.36	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
1/2	881.03	1/2	570.31	1/2	259.88	1/2	259.88	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
3/4	874.58	3/4	563.83	3/4	253.41	3/4	253.41	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
2	868.14	2	557.36	2	246.93	2	246.93	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	861.69	1/4	550.88	1/4	240.45	1/4	240.45	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
1/2	855.23	1/2	544.40	1/2	234.18	1/2	234.18	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
3/4	848.78	3/4	537.92	3/4	227.91	3/4	227.91	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
3	842.32	3	531.45	3	221.64	3	221.64	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	835.86	1/4	524.97	1/4	215.37	1/4	215.37	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
1/2	829.39	1/2	518.49	1/2	209.38	1/2	209.38	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
3/4	822.92	3/4	512.01	3/4	203.39	3/4	203.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	816.44	4	505.54	4	197.39	4	197.39	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	809.97	1/4	499.06	1/4	191.40	1/4	191.40	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
1/2	803.49	1/2	492.58	1/2	185.27	1/2	185.27	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
3/4	797.02	3/4	486.10	3/4	179.14	3/4	179.14	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
5	790.54	5	479.54	5	173.00	5	173.00	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	784.06	1/4	473.15	1/4	166.87	1/4	166.87	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
1/2	777.58	1/2	466.69	1/2	160.47	1/2	160.47	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
3/4	771.11	3/4	460.23	3/4	154.06	3/4	154.06	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
6	764.63	6	453.78	6	147.66	6	147.66	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	758.15	1/4	447.32	1/4	141.25	1/4	141.25	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
1/2	751.67	1/2	440.87	1/2	134.79	1/2	134.79	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
3/4	745.20	3/4	434.42	3/4	128.33	3/4	128.33	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
7	738.72	7	427.96	7	121.87	7	121.87	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	732.24	1/4	421.51	1/4	115.41	1/4	115.41	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
1/2	725.77	1/2	415.07	1/2	108.97	1/2	108.97	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
3/4	719.29	3/4	408.62	3/4	102.53	3/4	102.53	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
8	712.81	8	402.18	8	96.10	8	96.10	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	706.33	1/4	395.73	1/4	89.66	1/4	89.66	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
1/2	699.86	1/2	389.29	1/2	83.26	1/2	83.26	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
3/4	693.38	3/4	382.85	3/4	76.86	3/4	76.86	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
9	686.90	9	376.41	9	70.47	9	70.47	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	680.42	1/4	369.96	1/4	64.07	1/4	64.07	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
1/2	673.95	1/2	363.49	1/2	57.73	1/2	57.73	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
3/4	667.47	3/4	357.03	3/4	51.40	3/4	51.40	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
10	660.99	10	350.56	10	45.06	10	45.06	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	654.51	1/4	344.09	1/4	38.73	1/4	38.73	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
1/2	648.04	1/2	337.61	1/2	32.80	1/2	32.80	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
3/4	641.56	3/4	331.13	3/4	26.87	3/4	26.87	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
11	635.08	11	324.66	11	20.94	11	20.94	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	628.61	1/4	318.18	1/4	15.01	1/4	15.01	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
1/2	622.13	1/2	311.70	1/2	11.94	1/2	11.94	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
3/4	615.65	3/4	305.22	3/4	8.87	3/4	8.87	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

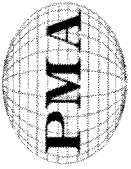
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/2013 SW
CALCULATED: 06/25/2013 CL
PRINTED: 06/25/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

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





BARGE "DBL 19"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
	IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		
0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	3,782.96	3,459.47	3,130.65	2,801.84	2,473.02	2,144.21	1,815.40	1,486.58	1,157.77												
1/2	3,778.25	3,452.62	3,123.80	2,794.99	2,466.17	2,137.36	1,808.55	1,479.73	1,150.92												
3/4	3,773.54	3,445.77	3,116.95	2,788.14	2,459.32	2,130.51	1,801.70	1,472.88	1,144.07												
1	3,766.95	3,438.92	3,110.10	2,781.29	2,452.47	2,123.66	1,794.85	1,466.03	1,137.22												
1/4	3,760.36	3,432.07	3,103.25	2,774.44	2,445.62	2,116.81	1,787.99	1,459.18	1,130.37												
1/2	3,753.77	3,425.22	3,096.40	2,767.59	2,438.77	2,109.96	1,781.14	1,452.33	1,123.52												
3/4	3,747.18	3,418.37	3,089.55	2,760.74	2,431.92	2,103.11	1,774.29	1,445.48	1,116.67												
1	3,740.33	3,411.52	3,082.70	2,753.89	2,425.07	2,096.26	1,767.44	1,438.63	1,109.82												
1/4	3,733.48	3,404.67	3,075.85	2,747.04	2,418.22	2,089.41	1,760.59	1,431.78	1,102.96												
1/2	3,726.63	3,397.82	3,069.00	2,740.19	2,411.37	2,082.56	1,753.74	1,424.93	1,096.11												
3/4	3,719.78	3,390.97	3,062.15	2,733.34	2,404.52	2,075.71	1,746.89	1,418.08	1,089.26												
1	3,712.93	3,384.11	3,055.30	2,726.49	2,397.67	2,068.86	1,740.04	1,411.23	1,082.41												
1/4	3,706.08	3,377.26	3,048.45	2,719.64	2,390.82	2,062.01	1,733.19	1,404.38	1,075.56												
1/2	3,699.23	3,370.41	3,041.60	2,712.79	2,383.97	2,055.16	1,726.34	1,397.53	1,068.71												
3/4	3,692.38	3,363.56	3,034.75	2,705.94	2,377.12	2,048.31	1,719.49	1,390.68	1,061.86												
1	3,685.53	3,356.71	3,027.90	2,699.08	2,370.27	2,041.46	1,712.64	1,383.83	1,055.01												
1/4	3,678.68	3,349.86	3,021.05	2,692.23	2,363.42	2,034.61	1,705.79	1,376.98	1,048.16												
1/2	3,671.83	3,343.01	3,014.20	2,685.38	2,356.57	2,027.76	1,698.94	1,370.13	1,041.31												
3/4	3,664.98	3,336.16	3,007.35	2,678.53	2,349.72	2,020.91	1,692.09	1,363.28	1,034.46												
1	3,658.13	3,329.31	3,000.50	2,671.68	2,342.87	2,014.05	1,685.24	1,356.43	1,027.61												
1/4	3,651.28	3,322.46	2,993.65	2,664.83	2,336.02	2,007.20	1,678.39	1,349.58	1,020.76												
1/2	3,644.43	3,315.61	2,986.80	2,657.98	2,329.17	2,000.35	1,671.54	1,342.73	1,013.91												
3/4	3,637.58	3,308.76	2,979.95	2,651.13	2,322.32	1,993.50	1,664.69	1,335.88	1,007.06												
1	3,630.73	3,301.91	2,973.10	2,644.28	2,315.47	1,986.65	1,657.84	1,329.02	1,000.21												
1/4	3,623.88	3,295.06	2,966.25	2,637.43	2,308.62	1,979.80	1,650.99	1,322.17	993.36												
1/2	3,617.03	3,288.21	2,959.40	2,630.58	2,301.77	1,972.95	1,644.14	1,315.32	986.51												
3/4	3,610.17	3,281.36	2,952.55	2,623.73	2,294.92	1,966.10	1,637.29	1,308.47	979.66												
1	3,603.32	3,274.51	2,945.70	2,616.88	2,288.07	1,959.25	1,630.44	1,301.62	972.81												
1/4	3,596.47	3,267.66	2,938.85	2,610.03	2,281.22	1,952.40	1,623.59	1,294.77	965.97												
1/2	3,589.62	3,260.81	2,932.00	2,603.18	2,274.37	1,945.55	1,616.74	1,287.92	959.12												
3/4	3,582.77	3,253.96	2,925.14	2,596.33	2,267.52	1,938.70	1,609.89	1,281.07	952.28												
1	3,575.92	3,247.11	2,918.29	2,589.48	2,260.67	1,931.85	1,603.04	1,274.22	945.45												
1/4	3,569.07	3,240.26	2,911.44	2,582.63	2,253.82	1,925.00	1,596.19	1,267.37	938.62												
1/2	3,562.22	3,233.41	2,904.59	2,575.78	2,246.97	1,918.15	1,589.34	1,260.52	931.79												
3/4	3,555.37	3,226.56	2,897.74	2,568.93	2,240.11	1,911.30	1,582.49	1,253.67	924.96												
1	3,548.52	3,219.71	2,890.89	2,562.08	2,233.26	1,904.45	1,575.64	1,246.82	918.14												
1/4	3,541.67	3,212.86	2,884.04	2,555.23	2,226.41	1,897.60	1,568.79	1,239.97	911.31												
1/2	3,534.82	3,206.01	2,877.19	2,548.38	2,219.56	1,890.75	1,561.94	1,233.12	904.48												
3/4	3,527.97	3,199.16	2,870.34	2,541.53	2,212.71	1,883.90	1,555.08	1,226.27	897.65												
1	3,521.12	3,192.31	2,863.49	2,534.68	2,205.86	1,877.05	1,548.23	1,219.42	890.83												
1/4	3,514.27	3,185.46	2,856.64	2,527.83	2,199.01	1,870.20	1,541.38	1,212.57	884.01												
1/2	3,507.42	3,178.61	2,849.79	2,520.98	2,192.16	1,863.35	1,534.53	1,205.72	877.19												
3/4	3,500.57	3,171.76	2,842.94	2,514.13	2,185.31	1,856.50	1,527.68	1,198.87	870.37												
1	3,493.72	3,164.91	2,836.09	2,507.28	2,178.46	1,849.65	1,520.83	1,192.02	863.54												
1/4	3,486.87	3,158.05	2,829.24	2,500.43	2,171.61	1,842.80	1,513.98	1,185.17	856.71												
1/2	3,480.02	3,151.20	2,822.39	2,493.58	2,164.76	1,835.95	1,507.13	1,178.32	849.89												
3/4	3,473.17	3,144.35	2,815.54	2,486.73	2,157.91	1,829.10	1,500.28	1,171.47	843.06												
1	3,466.32	3,137.50	2,808.69	2,479.88	2,151.06	1,822.25	1,493.43	1,164.62	836.21												

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.

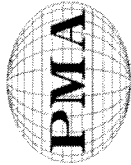
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 115'-00" FORWARD OF AFT BULKHEAD.

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





BARGE "DBL 19"

1 STBD
ULLAGE TABLE

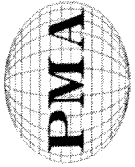
CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	829.36	0	500.53	0	176.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	822.51	1/4	493.69	1/4	169.70	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	1/4
1/2	815.66	1/2	486.84	1/2	163.07	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	1/2
3/4	808.80	3/4	480.00	3/4	156.23	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	3/4
1	801.95	1	473.17	1	149.38	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	795.10	1/4	466.34	1/4	142.54	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	1/4
1/2	788.25	1/2	459.50	1/2	135.70	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	1/2
3/4	781.40	3/4	452.68	3/4	128.88	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	3/4
2	774.55	2	445.85	2	122.05	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	767.70	1/4	439.03	1/4	115.23	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	1/4
1/2	760.85	1/2	432.21	1/2	108.41	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	1/2
3/4	754.00	3/4	425.39	3/4	101.62	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	3/4
3	747.15	3	418.57	3	94.83	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	740.30	1/4	411.75	1/4	88.04	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	1/4
1/2	733.45	1/2	404.93	1/2	81.25	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	1/2
3/4	726.60	3/4	398.11	3/4	74.51	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	3/4
4	719.75	4	391.29	4	67.77	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	712.90	1/4	384.47	1/4	61.03	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	1/4
1/2	706.05	1/2	377.65	1/2	54.30	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	1/2
3/4	699.19	3/4	370.81	3/4	47.55	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	3/4
5	692.34	5	363.97	5	41.20	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	685.49	1/4	357.13	1/4	34.66	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	1/4
1/2	678.64	1/2	350.30	1/2	28.11	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	1/2
3/4	671.79	3/4	343.45	3/4	22.94	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	3/4
6	664.94	6	336.59	6	17.77	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	658.09	1/4	329.74	1/4	12.59	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	1/4
1/2	651.24	1/2	322.89	1/2	7.42	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	1/2
3/4	644.39	3/4	316.04	3/4	2.25	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	3/4
7	637.54	7	309.19	7	7.08	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	630.69	1/4	302.34	1/4	302.34	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	1/4
1/2	623.84	1/2	295.49	1/2	295.49	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	1/2
3/4	616.99	3/4	288.64	3/4	288.64	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	3/4
8	610.14	8	281.79	8	281.79	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	603.29	1/4	274.93	1/4	274.93	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	1/4
1/2	596.44	1/2	268.08	1/2	268.08	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	1/2
3/4	589.59	3/4	261.30	3/4	261.30	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	3/4
9	582.73	9	254.53	9	254.53	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	575.88	1/4	247.75	1/4	247.75	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	1/4
1/2	569.03	1/2	240.97	1/2	240.97	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	1/2
3/4	562.18	3/4	234.47	3/4	234.47	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	3/4
10	555.33	10	227.98	10	227.98	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	548.48	1/4	221.49	1/4	221.49	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	1/4
1/2	541.63	1/2	215.00	1/2	215.00	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	1/2
3/4	534.78	3/4	208.65	3/4	208.65	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	3/4
11	527.93	11	202.30	11	202.30	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	521.08	1/4	195.95	1/4	195.95	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	1/4
1/2	514.23	1/2	189.61	1/2	189.61	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	1/2
3/4	507.38	3/4	182.97	3/4	182.97	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	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/2013 SW
CALCULATED: 06/25/2013 CL
PRINTED: 06/25/2013 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

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



BARGE "DBL 19"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
0	0	0	3,782.97	0	3,437.78	0	3,092.59	0	2,747.41	0	2,402.22	0	2,057.03	0	1,711.84	0	1,366.66				
1/4	1/4	4,091.47	3,775.78	1/4	3,430.59	1/4	3,085.40	1/4	2,740.21	1/4	2,395.03	1/4	2,049.84	1/4	1,704.65	1/4	1,359.47				
1/2	1/2	4,086.13	3,768.58	1/2	3,423.40	1/2	3,078.21	1/2	2,733.02	1/2	2,387.84	1/2	2,042.65	1/2	1,697.46	1/2	1,352.27				
3/4	3/4	4,086.90	3,761.39	3/4	3,416.21	3/4	3,071.02	3/4	2,725.83	3/4	2,380.64	3/4	2,035.46	3/4	1,690.27	3/4	1,345.08				
1	1	4,084.46	3,754.20	1	3,409.01	1	3,063.83	1	2,718.64	1	2,373.45	1	2,028.27	1	1,683.08	1	1,337.89				
1/4	1/4	4,082.12	3,747.01	1/4	3,401.82	1/4	3,056.64	1/4	2,711.45	1/4	2,366.26	1/4	2,021.07	1/4	1,675.89	1/4	1,330.70				
1/2	1/2	4,077.09	3,739.82	1/2	3,394.63	1/2	3,049.44	1/2	2,704.26	1/2	2,359.07	1/2	2,013.88	1/2	1,668.70	1/2	1,323.51				
3/4	3/4	4,072.06	3,732.63	3/4	3,387.44	3/4	3,042.25	3/4	2,697.07	3/4	2,351.88	3/4	2,006.69	3/4	1,661.50	3/4	1,316.32				
2	2	4,067.03	3,725.44	2	3,380.25	2	3,035.06	2	2,689.87	2	2,344.69	2	1,999.50	2	1,654.31	2	1,309.13				
1/4	1/4	4,061.99	3,718.25	1/4	3,373.06	1/4	3,027.87	1/4	2,682.68	1/4	2,337.50	1/4	1,992.31	1/4	1,647.12	1/4	1,301.93				
1/2	1/2	4,055.16	3,711.05	1/2	3,365.87	1/2	3,020.68	1/2	2,675.49	1/2	2,330.30	1/2	1,985.12	1/2	1,639.93	1/2	1,294.74				
3/4	3/4	4,048.33	3,703.86	3/4	3,358.68	3/4	3,013.49	3/4	2,668.30	3/4	2,323.11	3/4	1,977.93	3/4	1,632.74	3/4	1,287.55				
3	3	4,041.50	3,696.67	3	3,351.48	3	3,006.30	3	2,661.11	3	2,315.92	3	1,970.73	3	1,625.55	3	1,280.36				
1/4	1/4	4,034.67	3,689.48	1/4	3,344.29	1/4	2,999.11	1/4	2,653.92	1/4	2,308.73	1/4	1,963.54	1/4	1,618.36	1/4	1,273.17				
1/2	1/2	4,027.48	3,682.29	1/2	3,337.10	1/2	2,991.91	1/2	2,646.73	1/2	2,301.54	1/2	1,956.35	1/2	1,611.16	1/2	1,265.98				
3/4	3/4	4,020.28	3,675.10	3/4	3,329.91	3/4	2,984.72	3/4	2,639.54	3/4	2,294.35	3/4	1,949.16	3/4	1,603.97	3/4	1,258.79				
4	4	4,013.09	3,667.91	4	3,322.72	4	2,977.53	4	2,632.34	4	2,287.16	4	1,941.97	4	1,596.78	4	1,251.59				
1/4	1/4	4,005.90	3,660.71	1/4	3,315.53	1/4	2,970.34	1/4	2,625.15	1/4	2,279.97	1/4	1,934.78	1/4	1,589.59	1/4	1,244.40				
1/2	1/2	3,998.71	3,653.52	1/2	3,308.34	1/2	2,963.15	1/2	2,617.96	1/2	2,272.77	1/2	1,927.59	1/2	1,582.40	1/2	1,237.21				
3/4	3/4	3,991.52	3,646.33	3/4	3,301.14	3/4	2,955.96	3/4	2,610.77	3/4	2,265.58	3/4	1,920.40	3/4	1,575.21	3/4	1,230.02				
5	5	3,984.33	3,639.14	5	3,293.95	5	2,948.77	5	2,603.58	5	2,258.39	5	1,913.20	5	1,568.02	5	1,222.83				
1/4	1/4	3,977.14	3,631.95	1/4	3,286.76	1/4	2,941.57	1/4	2,596.39	1/4	2,251.20	1/4	1,906.01	1/4	1,560.83	1/4	1,215.64				
1/2	1/2	3,969.94	3,624.76	1/2	3,279.57	1/2	2,934.38	1/2	2,589.20	1/2	2,244.01	1/2	1,898.82	1/2	1,553.63	1/2	1,208.45				
3/4	3/4	3,962.75	3,617.57	3/4	3,272.38	3/4	2,927.19	3/4	2,582.00	3/4	2,236.82	3/4	1,891.63	3/4	1,546.44	3/4	1,201.26				
6	6	3,955.56	3,610.37	6	3,265.19	6	2,920.00	6	2,574.81	6	2,229.63	6	1,884.44	6	1,539.25	6	1,194.06				
1/4	1/4	3,948.37	3,603.18	1/4	3,258.00	1/4	2,912.81	1/4	2,567.62	1/4	2,222.43	1/4	1,877.25	1/4	1,532.06	1/4	1,186.87				
1/2	1/2	3,941.18	3,595.99	1/2	3,250.80	1/2	2,905.62	1/2	2,560.43	1/2	2,215.24	1/2	1,870.06	1/2	1,524.87	1/2	1,179.68				
3/4	3/4	3,933.99	3,588.80	3/4	3,243.61	3/4	2,898.43	3/4	2,553.24	3/4	2,208.05	3/4	1,862.86	3/4	1,517.68	3/4	1,172.49				
7	7	3,926.80	3,581.61	7	3,236.42	7	2,891.23	7	2,546.05	7	2,200.86	7	1,855.67	7	1,510.49	7	1,165.30				
1/4	1/4	3,919.60	3,574.42	1/4	3,229.23	1/4	2,884.04	1/4	2,538.86	1/4	2,193.67	1/4	1,848.48	1/4	1,503.29	1/4	1,158.11				
1/2	1/2	3,912.41	3,567.23	1/2	3,222.04	1/2	2,876.85	1/2	2,531.66	1/2	2,186.48	1/2	1,841.29	1/2	1,496.10	1/2	1,150.92				
3/4	3/4	3,905.22	3,560.03	3/4	3,214.85	3/4	2,869.66	3/4	2,524.47	3/4	2,179.29	3/4	1,834.10	3/4	1,488.91	3/4	1,143.72				
8	8	3,898.03	3,552.84	8	3,207.66	8	2,862.47	8	2,517.28	8	2,172.09	8	1,826.91	8	1,481.72	8	1,136.53				
1/4	1/4	3,890.84	3,545.65	1/4	3,200.46	1/4	2,855.28	1/4	2,510.09	1/4	2,164.90	1/4	1,819.72	1/4	1,474.53	1/4	1,129.34				
1/2	1/2	3,883.65	3,538.46	1/2	3,193.27	1/2	2,848.09	1/2	2,502.90	1/2	2,157.71	1/2	1,812.52	1/2	1,467.34	1/2	1,122.15				
3/4	3/4	3,876.46	3,531.27	3/4	3,186.08	3/4	2,840.89	3/4	2,495.71	3/4	2,150.52	3/4	1,805.33	3/4	1,460.15	3/4	1,114.96				
9	9	3,869.26	3,524.08	9	3,178.89	9	2,833.70	9	2,488.52	9	2,143.33	9	1,798.14	9	1,452.95	9	1,107.77				
1/4	1/4	3,862.07	3,516.89	1/4	3,171.70	1/4	2,826.51	1/4	2,481.32	1/4	2,136.14	1/4	1,790.95	1/4	1,445.76	1/4	1,100.58				
1/2	1/2	3,854.88	3,509.69	1/2	3,164.51	1/2	2,819.32	1/2	2,474.13	1/2	2,128.95	1/2	1,783.76	1/2	1,438.57	1/2	1,093.38				
3/4	3/4	3,847.69	3,502.50	3/4	3,157.32	3/4	2,812.13	3/4	2,466.94	3/4	2,121.75	3/4	1,776.57	3/4	1,431.38	3/4	1,086.19				
10	10	3,840.50	3,495.31	10	3,150.12	10	2,804.94	10	2,459.75	10	2,114.56	10	1,769.38	10	1,424.19	10	1,079.00				
1/4	1/4	3,833.31	3,488.12	1/4	3,142.93	1/4	2,797.75	1/4	2,452.56	1/4	2,107.37	1/4	1,762.18	1/4	1,417.00	1/4	1,071.81				
1/2	1/2	3,826.12	3,480.93	1/2	3,135.74	1/2	2,790.55	1/2	2,445.37	1/2	2,100.18	1/2	1,754.99	1/2	1,409.81	1/2	1,064.62				
3/4	3/4	3,818.92	3,473.74	3/4	3,128.55	3/4	2,783.36	3/4	2,438.18	3/4	2,092.99	3/4	1,747.80	3/4	1,402.61	3/4	1,057.43				
11	11	3,811.73	3,466.55	11	3,121.36	11	2,776.17	11	2,430.98	11	2,085.80	11	1,740.61	11	1,395.42	11	1,050.24				
1/4	1/4	3,804.54	3,459.35	1/4	3,114.17	1/4	2,768.98	1/4	2,423.79	1/4	2,078.61	1/4	1,733.42	1/4	1,388.23	1/4	1,043.04				
1/2	1/2	3,797.35	3,452.16	1/2	3,106.98	1/2	2,761.79	1/2	2,416.60	1/2	2,071.41	1/2	1,726.23	1/2	1,381.04	1/2	1,035.85				
3/4	3/4	3,790.16	3,444.97	3/4	3,099.78	3/4	2,754.60	3/4	2,409.41	3/4	2,064.22	3/4	1,719.04	3/4	1,373.85	3/4	1,028.66				

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 TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 60'-00" FORWARD OF AFT BULKHEAD.

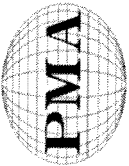
PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmatcorp.net



BARGE "DBL 19"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 13'-00 1/4"

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	1,021.47	0	676.28	0	331.10	0	6.38	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1,014.28	1/4	669.09	1/4	323.90	1/4	2.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,007.09	1/2	661.90	1/2	316.71	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
3/4	999.90	3/4	654.71	3/4	309.52	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
1	992.70	1	647.52	1	302.33	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	985.51	1/4	640.33	1/4	295.14	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	1/4
1/2	978.32	1/2	633.13	1/2	287.95	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	1/2
3/4	971.13	3/4	625.94	3/4	280.76	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	3/4
2	963.94	2	618.75	2	273.56	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	956.75	1/4	611.56	1/4	266.37	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	1/4
1/2	949.56	1/2	604.37	1/2	259.44	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	1/2
3/4	942.36	3/4	597.18	3/4	252.50	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	3/4
3	935.17	3	589.99	3	245.56	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	927.98	1/4	582.79	1/4	238.63	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	1/4
1/2	920.79	1/2	575.60	1/2	232.03	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	1/2
3/4	913.60	3/4	568.41	3/4	225.43	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	3/4
4	906.41	4	561.22	4	218.84	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	899.22	1/4	554.03	1/4	212.24	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	1/4
1/2	892.02	1/2	546.84	1/2	205.48	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	1/2
3/4	884.83	3/4	539.65	3/4	198.71	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	3/4
5	877.64	5	532.45	5	191.94	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	870.45	1/4	525.26	1/4	185.18	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	1/4
1/2	863.26	1/2	518.07	1/2	178.07	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	1/2
3/4	856.07	3/4	510.88	3/4	170.97	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	3/4
6	848.88	6	503.69	6	163.87	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	841.69	1/4	496.50	1/4	156.77	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	1/4
1/2	834.49	1/2	489.31	1/2	149.59	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	1/2
3/4	827.30	3/4	482.12	3/4	142.42	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	3/4
7	820.11	7	474.92	7	135.24	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	812.92	1/4	467.73	1/4	128.07	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	1/4
1/2	805.73	1/2	460.54	1/2	120.92	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	1/2
3/4	798.54	3/4	453.35	3/4	113.78	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	3/4
8	791.35	8	446.16	8	106.63	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	784.15	1/4	438.97	1/4	99.48	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	1/4
1/2	776.96	1/2	431.78	1/2	92.38	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	1/2
3/4	769.77	3/4	424.58	3/4	85.28	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	3/4
9	762.58	9	417.39	9	78.17	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	755.39	1/4	410.20	1/4	71.07	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	1/4
1/2	748.20	1/2	403.01	1/2	64.03	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	1/2
3/4	741.01	3/4	395.82	3/4	57.00	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	3/4
10	733.81	10	388.63	10	49.97	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	726.62	1/4	381.44	1/4	42.93	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	1/4
1/2	719.43	1/2	374.24	1/2	36.35	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	1/2
3/4	712.24	3/4	367.05	3/4	29.77	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	3/4
11	705.05	11	359.86	11	23.18	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	697.86	1/4	352.67	1/4	16.60	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	1/4
1/2	690.67	1/2	345.48	1/2	13.19	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	1/2
3/4	683.47	3/4	338.29	3/4	9.78	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	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

S TRAPPED: 06/25/2013 SW
CALCULATED: 06/25/2013 CL
PRINTED: 06/25/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

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

