



BARGE "MM 97B"

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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/4	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
4 PORT	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-1/2	- 01-1/2	01-7/8	- 01-7/8	02-3/8	- 02-3/8	02-7/8	- 02-7/8
4 STBD	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-1/2	- 01-1/2	01-7/8	- 01-7/8	02-3/8	- 02-3/8	02-7/8	- 02-7/8

(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 4 PORT IS - 01-0/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 4 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11"

July 3, 2013

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

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BARGE "MM 97B" MAGNOLIA BARGE

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.		
0	0	0	0	0	2,700.81	0	2,421.03	0	2,141.00	0	1,860.88	0	1,580.77	0	1,300.72	0	1,021.41	0	743.31	0	464.41	0	188.47		
1/4	1/4	1/4	1/4	1/4	2,695.02	1/4	2,415.19	1/4	2,135.16	1/4	1,855.05	1/4	1,574.93	1/4	1,294.89	1/4	1,015.58	1/4	737.54	1/4	458.58	1/4	182.66		
1/2	1/2	1/2	1/2	1/2	2,957.53	1/2	2,689.22	1/2	2,409.36	1/2	2,129.32	1/2	1,849.21	1/2	1,569.10	1/2	1,289.05	1/2	1,009.74	1/2	731.77	1/2	452.74	1/2	176.84
3/4	3/4	3/4	3/4	3/4	2,954.13	3/4	2,683.43	3/4	2,403.52	3/4	2,123.49	3/4	1,843.38	3/4	1,563.26	3/4	1,283.21	3/4	1,003.90	3/4	726.00	3/4	446.90	3/4	171.02
1	1	1	1	1	2,949.75	1	2,677.63	1	2,397.69	1	2,117.65	1	1,837.54	1	1,557.43	1	1,277.38	1	998.07	1	720.23	1	441.07	1	165.21
1/4	1/4	1/4	1/4	1/4	2,945.37	1/4	2,671.84	1/4	2,391.85	1/4	2,111.82	1/4	1,831.70	1/4	1,551.59	1/4	1,271.54	1/4	992.23	1/4	714.46	1/4	435.23	1/4	159.39
1/2	1/2	1/2	1/2	1/2	2,941.00	1/2	2,666.05	1/2	2,386.02	1/2	2,105.98	1/2	1,825.87	1/2	1,545.75	1/2	1,265.71	1/2	986.39	1/2	708.70	1/2	429.39	1/2	153.58
3/4	3/4	3/4	3/4	3/4	2,936.62	3/4	2,660.25	3/4	2,380.18	3/4	2,100.15	3/4	1,820.03	3/4	1,539.92	3/4	1,259.87	3/4	980.56	3/4	702.93	3/4	423.56	3/4	147.76
2	2	2	2	2	2,931.27	2	2,654.42	2	2,374.35	2	2,094.31	2	1,814.20	2	1,534.08	2	1,254.07	2	974.72	2	697.16	2	417.72	2	142.04
1/4	1/4	1/4	1/4	1/4	2,925.92	1/4	2,648.58	1/4	2,368.52	1/4	2,088.47	1/4	1,808.36	1/4	1,528.25	1/4	1,248.27	1/4	968.88	1/4	691.39	1/4	411.88	1/4	136.32
1/2	1/2	1/2	1/2	1/2	2,920.57	1/2	2,642.75	1/2	2,362.68	1/2	2,082.64	1/2	1,802.53	1/2	1,522.41	1/2	1,242.46	1/2	963.04	1/2	685.62	1/2	406.05	1/2	130.59
3/4	3/4	3/4	3/4	3/4	2,915.22	3/4	2,636.91	3/4	2,356.85	3/4	2,076.80	3/4	1,796.69	3/4	1,516.58	3/4	1,236.66	3/4	957.21	3/4	679.85	3/4	400.21	3/4	124.87
3	3	3	3	3	2,909.43	3	2,631.08	3	2,351.01	3	2,070.97	3	1,790.85	3	1,510.74	3	1,230.86	3	951.40	3	674.08	3	394.37	3	119.26
1/4	1/4	1/4	1/4	1/4	2,903.63	1/4	2,625.24	1/4	2,345.18	1/4	2,065.13	1/4	1,785.02	1/4	1,504.90	1/4	1,225.06	1/4	945.60	1/4	668.31	1/4	388.54	1/4	113.64
1/2	1/2	1/2	1/2	1/2	2,897.84	1/2	2,619.41	1/2	2,339.34	1/2	2,059.30	1/2	1,779.18	1/2	1,499.07	1/2	1,219.25	1/2	939.80	1/2	662.54	1/2	382.70	1/2	108.03
3/4	3/4	3/4	3/4	3/4	2,892.04	3/4	2,613.57	3/4	2,333.51	3/4	2,053.46	3/4	1,773.35	3/4	1,493.23	3/4	1,213.45	3/4	933.99	3/4	656.77	3/4	376.86	3/4	102.42
4	4	4	4	4	2,886.25	4	2,607.74	4	2,327.67	4	2,047.62	4	1,767.51	4	1,487.41	4	1,207.65	4	928.19	4	650.99	4	371.03	4	96.81
1/4	1/4	1/4	1/4	1/4	2,880.45	1/4	2,601.90	1/4	2,321.84	1/4	2,041.79	1/4	1,761.68	1/4	1,481.58	1/4	1,201.86	1/4	922.39	1/4	645.22	1/4	365.19	1/4	91.21
1/2	1/2	1/2	1/2	1/2	2,874.66	1/2	2,596.07	1/2	2,316.00	1/2	2,035.95	1/2	1,755.84	1/2	1,475.75	1/2	1,196.06	1/2	916.59	1/2	639.45	1/2	359.35	1/2	85.61
3/4	3/4	3/4	3/4	3/4	2,868.86	3/4	2,590.23	3/4	2,310.17	3/4	2,030.12	3/4	1,750.00	3/4	1,469.93	3/4	1,190.26	3/4	910.78	3/4	633.68	3/4	353.52	3/4	80.01
5	5	5	5	5	2,863.07	5	2,584.40	5	2,304.33	5	2,024.28	5	1,744.17	5	1,464.10	5	1,184.46	5	905.00	5	627.84	5	347.88	5	74.41
1/4	1/4	1/4	1/4	1/4	2,857.27	1/4	2,578.56	1/4	2,298.50	1/4	2,018.45	1/4	1,738.33	1/4	1,458.27	1/4	1,178.66	1/4	899.22	1/4	622.00	1/4	342.24	1/4	68.82
1/2	1/2	1/2	1/2	1/2	2,851.48	1/2	2,572.73	1/2	2,292.66	1/2	2,012.61	1/2	1,732.50	1/2	1,452.45	1/2	1,172.86	1/2	893.44	1/2	616.17	1/2	336.60	1/2	63.23
3/4	3/4	3/4	3/4	3/4	2,845.68	3/4	2,566.90	3/4	2,286.83	3/4	2,006.77	3/4	1,726.66	3/4	1,446.62	3/4	1,167.06	3/4	887.66	3/4	610.33	3/4	330.97	3/4	57.63
6	6	6	6	6	2,839.89	6	2,561.06	6	2,281.00	6	2,000.94	6	1,720.83	6	1,440.78	6	1,161.26	6	881.88	6	604.49	6	325.33	6	52.07
1/4	1/4	1/4	1/4	1/4	2,834.09	1/4	2,555.23	1/4	2,275.16	1/4	1,995.10	1/4	1,714.99	1/4	1,434.95	1/4	1,155.46	1/4	876.10	1/4	598.66	1/4	319.69	1/4	46.51
1/2	1/2	1/2	1/2	1/2	2,828.30	1/2	2,549.39	1/2	2,269.33	1/2	1,989.27	1/2	1,709.15	1/2	1,429.11	1/2	1,149.66	1/2	870.31	1/2	592.82	1/2	314.06	1/2	40.94
3/4	3/4	3/4	3/4	3/4	2,822.50	3/4	2,543.56	3/4	2,263.49	3/4	1,983.43	3/4	1,703.32	3/4	1,423.28	3/4	1,143.85	3/4	864.53	3/4	586.98	3/4	308.42	3/4	35.38
7	7	7	7	7	2,816.71	7	2,537.72	7	2,257.66	7	1,977.60	7	1,697.48	7	1,417.44	7	1,138.05	7	858.76	7	581.15	7	302.78	7	30.62
1/4	1/4	1/4	1/4	1/4	2,810.92	1/4	2,531.89	1/4	2,251.82	1/4	1,971.76	1/4	1,691.65	1/4	1,411.60	1/4	1,132.25	1/4	852.99	1/4	575.31	1/4	297.14	1/4	25.86
1/2	1/2	1/2	1/2	1/2	2,805.12	1/2	2,526.05	1/2	2,245.99	1/2	1,965.93	1/2	1,685.81	1/2	1,405.77	1/2	1,126.45	1/2	847.21	1/2	569.47	1/2	291.51	1/2	21.10
3/4	3/4	3/4	3/4	3/4	2,799.33	3/4	2,520.22	3/4	2,240.15	3/4	1,960.09	3/4	1,679.98	3/4	1,399.93	3/4	1,120.64	3/4	841.44	3/4	563.64	3/4	285.87	3/4	16.34
8	8	8	8	8	2,793.53	8	2,514.38	8	2,234.32	8	1,954.25	8	1,674.14	8	1,394.10	8	1,114.81	8	835.66	8	557.80	8	280.24	8	11.11
1/4	1/4	1/4	1/4	1/4	2,787.74	1/4	2,508.55	1/4	2,228.49	1/4	1,948.42	1/4	1,668.30	1/4	1,388.26	1/4	1,108.97	1/4	829.89	1/4	551.96	1/4	274.62	1/4	11.11
1/2	1/2	1/2	1/2	1/2	2,781.94	1/2	2,502.71	1/2	2,222.67	1/2	1,942.58	1/2	1,662.47	1/2	1,382.42	1/2	1,103.13	1/2	824.12	1/2	546.13	1/2	268.99	1/2	11.11
3/4	3/4	3/4	3/4	3/4	2,776.15	3/4	2,496.88	3/4	2,216.84	3/4	1,936.75	3/4	1,656.63	3/4	1,376.59	3/4	1,097.30	3/4	818.34	3/4	540.29	3/4	263.36	3/4	11.11
9	9	9	9	9	2,770.35	9	2,491.04	9	2,211.01	9	1,930.91	9	1,650.80	9	1,370.75	9	1,091.46	9	812.57	9	534.45	9	257.74	9	11.11
1/4	1/4	1/4	1/4	1/4	2,764.56	1/4	2,485.21	1/4	2,205.18	1/4	1,925.08	1/4	1,644.96	1/4	1,364.92	1/4	1,085.62	1/4	806.80	1/4	528.62	1/4	252.11	1/4	11.11
1/2	1/2	1/2	1/2	1/2	2,758.76	1/2	2,479.37	1/2	2,199.35	1/2	1,919.24	1/2	1,639.13	1/2	1,359.08	1/2	1,079.78	1/2	801.02	1/2	522.78	1/2	246.48	1/2	11.11
3/4	3/4	3/4	3/4	3/4	2,752.97	3/4	2,473.54	3/4	2,193.52	3/4	1,913.40	3/4	1,633.29	3/4	1,353.25	3/4	1,073.95	3/4	795.25	3/4	516.94	3/4	240.86	3/4	11.11
10	10	10	10	10	2,747.17	10	2,467.71	10	2,187.68	10	1,907.57	10	1,627.45	10	1,347.41	10	1,068.11	10	789.48	10	511.11	10	235.03	10	11.11
1/4	1/4	1/4	1/4	1/4	2,741.38	1/4	2,461.87	1/4	2,181.85	1/4	1,901.73	1/4	1,621.62	1/4	1,341.57	1/4	1,062.27	1/4	783.71	1/4	505.27	1/4	229.21	1/4	11.11
1/2	1/2	1/2	1/2	1/2	2,735.58	1/2	2,456.04	1/2	2,176.01	1/2	1,895.90	1/2	1,615.78	1/2	1,335.74	1/2	1,056.44	1/2	777.93	1/2	499.43	1/2	223.38	1/2	11.11
3/4	3/4	3/4	3/4	3/4	2,729.79	3/4	2,450.20	3/4	2,170.17	3/4	1,890.06	3/4	1,609.95	3/4	1,329.90	3/4	1,050.60	3/4	772.16	3/4	493.60	3/4	217.55	3/4	11.11
11	11	11	11	11	2,723.99	11	2,444.37	11	2,164.34	11	1,884.23	11	1,604.11	11	1,324.07	11	1,044.76	11	766.39	11	487.76	11	211.74	11	11.11
1/4	1/4	1/4	1/4	1/4	2,718.20	1/4	2,438.53	1/4	2,158.50	1/4	1,878.39	1/4	1,598.28	1/4	1,318.23	1/4	1,038.93	1/4	760.62	1/4	481.92	1/4	205.92	1/4	11.11
1/2	1/2	1/2	1/2	1/2	2,712.40	1/2	2,432.70	1/2	2,152.67	1/2	1,872.55	1/2	1,592.44	1/2	1,312.39	1/2	1,033.09	1/2	754.85	1/2	476.09	1			



BARGE "MM 97B" MAGNOLIA BARGE

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.
0	0	0	0	0	2,705.24	0	2,425.19	0	2,144.90	0	1,864.52	0	1,584.14	0	1,303.84	0	1,024.27	0	744.65	0	464.85	0	188.65
1/4	1/4	1/4	1/4	1/4	2,699.44	1/4	2,419.35	1/4	2,139.06	1/4	1,858.68	1/4	1,578.30	1/4	1,297.99	1/4	1,018.42	1/4	738.84	1/4	459.00	1/4	182.82
1/2	1/2	1/2	1/2	1/2	2,962.19	1/2	2,693.64	1/2	2,413.51	1/2	2,133.22	1/2	1,852.84	1/2	1,572.46	1/2	1,292.15	1/2	1,012.58	1/2	733.03	1/2	453.16
3/4	3/4	3/4	3/4	3/4	2,958.78	3/4	2,687.84	3/4	2,407.67	3/4	2,127.38	3/4	1,847.00	3/4	1,566.62	3/4	1,286.31	3/4	1,006.74	3/4	727.22	3/4	447.32
1	1	1	1	1	2,954.40	1	2,682.04	1	2,401.83	1	2,121.53	1	1,841.16	1	1,560.78	1	1,280.47	1	1,000.90	1	721.41	1	441.48
1/4	1/4	1/4	1/4	1/4	2,950.02	1/4	2,676.24	1/4	2,395.99	1/4	2,115.69	1/4	1,835.32	1/4	1,554.94	1/4	1,274.63	1/4	995.05	1/4	715.60	1/4	435.63
1/2	1/2	1/2	1/2	1/2	2,945.64	1/2	2,670.44	1/2	2,390.15	1/2	2,109.85	1/2	1,829.47	1/2	1,549.10	1/2	1,268.79	1/2	989.21	1/2	709.80	1/2	429.79
3/4	3/4	3/4	3/4	3/4	2,941.26	3/4	2,664.64	3/4	2,384.31	3/4	2,104.01	3/4	1,823.63	3/4	1,543.26	3/4	1,262.95	3/4	983.37	3/4	703.99	3/4	423.95
2	2	2	2	2	2,935.91	2	2,658.80	2	2,378.47	2	2,098.17	2	1,817.79	2	1,537.41	2	1,257.14	2	977.53	2	698.18	2	418.11
1/4	1/4	1/4	1/4	1/4	2,930.55	1/4	2,652.96	1/4	2,372.63	1/4	2,092.33	1/4	1,811.95	1/4	1,531.57	1/4	1,251.33	1/4	971.68	1/4	692.37	1/4	412.27
1/2	1/2	1/2	1/2	1/2	2,925.20	1/2	2,647.12	1/2	2,366.79	1/2	2,086.49	1/2	1,806.11	1/2	1,525.73	1/2	1,245.52	1/2	965.84	1/2	686.56	1/2	406.42
3/4	3/4	3/4	3/4	3/4	2,919.84	3/4	2,641.28	3/4	2,360.95	3/4	2,080.65	3/4	1,800.27	3/4	1,519.89	3/4	1,239.72	3/4	960.00	3/4	680.75	3/4	400.58
3	3	3	3	3	2,914.04	3	2,635.44	3	2,355.11	3	2,074.81	3	1,794.43	3	1,514.05	3	1,233.91	3	954.16	3	674.94	3	394.74
1/4	1/4	1/4	1/4	1/4	2,908.24	1/4	2,629.60	1/4	2,349.27	1/4	2,068.96	1/4	1,788.59	1/4	1,508.21	1/4	1,228.10	1/4	948.31	1/4	669.13	1/4	389.90
1/2	1/2	1/2	1/2	1/2	2,902.44	1/2	2,623.76	1/2	2,343.43	1/2	2,063.12	1/2	1,782.75	1/2	1,502.37	1/2	1,222.29	1/2	942.47	1/2	663.32	1/2	383.05
3/4	3/4	3/4	3/4	3/4	2,896.64	3/4	2,617.92	3/4	2,337.59	3/4	2,057.28	3/4	1,776.90	3/4	1,496.53	3/4	1,216.48	3/4	936.63	3/4	657.51	3/4	377.21
4	4	4	4	4	2,890.84	4	2,612.08	4	2,331.75	4	2,051.44	4	1,771.06	4	1,490.69	4	1,210.68	4	930.79	4	651.70	4	371.37
1/4	1/4	1/4	1/4	1/4	2,885.04	1/4	2,606.23	1/4	2,325.91	1/4	2,045.60	1/4	1,765.22	1/4	1,484.86	1/4	1,204.88	1/4	924.94	1/4	645.89	1/4	365.53
1/2	1/2	1/2	1/2	1/2	2,879.24	1/2	2,600.39	1/2	2,320.07	1/2	2,039.76	1/2	1,759.38	1/2	1,479.03	1/2	1,199.07	1/2	919.10	1/2	640.08	1/2	359.69
3/4	3/4	3/4	3/4	3/4	2,873.44	3/4	2,594.55	3/4	2,314.22	3/4	2,033.92	3/4	1,753.54	3/4	1,473.20	3/4	1,193.27	3/4	913.26	3/4	634.27	3/4	353.84
5	5	5	5	5	2,867.64	5	2,588.71	5	2,308.38	5	2,028.08	5	1,747.70	5	1,467.37	5	1,187.46	5	907.44	5	628.43	5	348.20
1/4	1/4	1/4	1/4	1/4	2,861.84	1/4	2,582.87	1/4	2,302.54	1/4	2,022.23	1/4	1,741.86	1/4	1,461.53	1/4	1,181.66	1/4	901.62	1/4	622.58	1/4	342.56
1/2	1/2	1/2	1/2	1/2	2,856.04	1/2	2,577.03	1/2	2,296.70	1/2	2,016.39	1/2	1,736.02	1/2	1,455.70	1/2	1,175.86	1/2	895.80	1/2	616.74	1/2	336.92
3/4	3/4	3/4	3/4	3/4	2,850.24	3/4	2,571.19	3/4	2,290.86	3/4	2,010.55	3/4	1,730.17	3/4	1,449.87	3/4	1,170.05	3/4	889.98	3/4	610.90	3/4	331.27
6	6	6	6	6	2,844.44	6	2,565.35	6	2,285.02	6	2,004.71	6	1,724.33	6	1,444.03	6	1,164.24	6	884.16	6	605.06	6	325.63
1/4	1/4	1/4	1/4	1/4	2,838.64	1/4	2,559.51	1/4	2,279.18	1/4	1,998.87	1/4	1,718.49	1/4	1,438.19	1/4	1,158.44	1/4	878.34	1/4	599.22	1/4	319.99
1/2	1/2	1/2	1/2	1/2	2,832.84	1/2	2,553.67	1/2	2,273.34	1/2	1,993.03	1/2	1,712.65	1/2	1,432.35	1/2	1,152.63	1/2	872.52	1/2	593.37	1/2	314.35
3/4	3/4	3/4	3/4	3/4	2,827.04	3/4	2,547.83	3/4	2,267.50	3/4	1,987.19	3/4	1,706.81	3/4	1,426.51	3/4	1,146.82	3/4	866.70	3/4	587.53	3/4	308.70
7	7	7	7	7	2,821.24	7	2,541.99	7	2,261.66	7	1,981.35	7	1,700.97	7	1,420.66	7	1,141.01	7	860.88	7	581.69	7	303.06
1/4	1/4	1/4	1/4	1/4	2,815.44	1/4	2,536.15	1/4	2,255.82	1/4	1,975.50	1/4	1,695.13	1/4	1,414.82	1/4	1,135.21	1/4	855.07	1/4	575.85	1/4	297.42
1/2	1/2	1/2	1/2	1/2	2,809.64	1/2	2,530.31	1/2	2,249.98	1/2	1,969.66	1/2	1,689.29	1/2	1,408.98	1/2	1,129.40	1/2	849.26	1/2	570.00	1/2	291.78
3/4	3/4	3/4	3/4	3/4	2,803.84	3/4	2,524.47	3/4	2,244.14	3/4	1,963.82	3/4	1,683.44	3/4	1,403.14	3/4	1,123.59	3/4	843.44	3/4	564.16	3/4	286.13
8	8	8	8	8	2,798.04	8	2,518.63	8	2,238.31	8	1,957.98	8	1,677.60	8	1,397.30	8	1,117.75	8	837.63	8	558.32	8	280.50
1/4	1/4	1/4	1/4	1/4	2,792.24	1/4	2,512.79	1/4	2,232.47	1/4	1,952.14	1/4	1,671.76	1/4	1,391.46	1/4	1,111.90	1/4	831.82	1/4	552.48	1/4	274.87
1/2	1/2	1/2	1/2	1/2	2,786.44	1/2	2,506.95	1/2	2,226.64	1/2	1,946.30	1/2	1,665.92	1/2	1,385.62	1/2	1,106.06	1/2	826.00	1/2	546.64	1/2	269.24
3/4	3/4	3/4	3/4	3/4	2,780.64	3/4	2,501.11	3/4	2,220.80	3/4	1,940.46	3/4	1,660.08	3/4	1,379.77	3/4	1,100.22	3/4	820.19	3/4	540.79	3/4	263.61
9	9	9	9	9	2,774.84	9	2,495.27	9	2,214.97	9	1,934.62	9	1,654.24	9	1,373.93	9	1,094.38	9	814.38	9	534.95	9	257.98
1/4	1/4	1/4	1/4	1/4	2,769.04	1/4	2,489.43	1/4	2,209.14	1/4	1,928.78	1/4	1,648.40	1/4	1,368.09	1/4	1,088.53	1/4	808.56	1/4	529.11	1/4	252.34
1/2	1/2	1/2	1/2	1/2	2,763.24	1/2	2,483.59	1/2	2,203.30	1/2	1,922.93	1/2	1,642.56	1/2	1,362.25	1/2	1,082.69	1/2	802.75	1/2	523.27	1/2	246.71
3/4	3/4	3/4	3/4	3/4	2,757.44	3/4	2,477.75	3/4	2,197.47	3/4	1,917.09	3/4	1,636.72	3/4	1,356.41	3/4	1,076.85	3/4	796.94	3/4	517.43	3/4	241.08
10	10	10	10	10	2,751.64	10	2,471.91	10	2,191.63	10	1,911.25	10	1,630.87	10	1,350.57	10	1,071.01	10	791.13	10	511.58	10	235.25
1/4	1/4	1/4	1/4	1/4	2,745.84	1/4	2,466.07	1/4	2,185.79	1/4	1,905.41	1/4	1,625.03	1/4	1,344.73	1/4	1,065.16	1/4	785.32	1/4	505.74	1/4	229.42
1/2	1/2	1/2	1/2	1/2	2,740.04	1/2	2,460.23	1/2	2,179.95	1/2	1,899.57	1/2	1,619.19	1/2	1,338.88	1/2	1,059.32	1/2	779.51	1/2	499.90	1/2	223.58
3/4	3/4	3/4	3/4	3/4	2,734.24	3/4	2,454.39	3/4	2,174.11	3/4	1,893.73	3/4	1,613.35	3/4	1,333.04	3/4	1,053.48	3/4	773.70	3/4	494.06	3/4	217.75
11	11	11	11	11	2,728.44	11	2,448.55	11	2,168.26	11	1,887.89	11	1,607.51	11	1,327.20	11	1,047.64	11	767.89	11	488.21	11	211.93
1/4	1/4	1/4	1/4	1/4	2,722.64	1/4	2,442.71	1/4	2,162.42	1/4	1,882.05	1/4	1,601.67	1/4	1,321.36	1/4	1,041.79	1/4	762.08	1/4	482.37	1/4	206.11
1/2	1/2	1/2	1/2	1/2	2,716.84	1/2	2,436.87	1/2	2,156.58	1/2	1,876.20	1/2	1,595.83	1/2	1,315.52	1/2	1,035.95	1/2	756.27	1/2	476.53	1/2	200.29
3/4	3/4	3/4	3/4	3/4	2,711.04	3/4	2,431.03	3/4	2,150.74	3/4	1,870.36	3/4	1,589.99	3/4	1,309.68	3/4	1,030.11	3/4	750.46	3/4	470.69	3/4	194.47

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 33'-06" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 35'-06" FORWARD OF AFT BULKHEAD.

STRAPPED: 07/03/2013 CL - SW
CALCULATED: 07/04/2013 CL
PRINTED: 07/08/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2013

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



BARGE "MM 97B" MAGNOLIA BARGE

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 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.	IN	10 FT.	IN	11 FT.
0		0	3,195.87	0	2,904.44	0	2,600.57	0	2,296.53	0	1,992.41	0	1,688.30	0	1,384.25	0	1,083.29	0	790.50	0	491.46	0	191.93
1/4		1/4	3,192.17	1/4	2,898.14	1/4	2,594.23	1/4	2,290.19	1/4	1,986.08	1/4	1,681.96	1/4	1,377.91	1/4	1,076.95	1/4	784.46	1/4	485.13	1/4	185.61
1/2		1/2	3,187.42	1/2	2,891.85	1/2	2,587.90	1/2	2,283.86	1/2	1,979.74	1/2	1,675.63	1/2	1,371.58	1/2	1,070.62	1/2	778.43	1/2	478.79	1/2	179.29
3/4		3/4	3,182.67	3/4	2,885.55	3/4	2,581.56	3/4	2,277.52	3/4	1,973.41	3/4	1,669.29	3/4	1,365.24	3/4	1,064.28	3/4	772.40	3/4	472.45	3/4	172.98
1		1	3,177.92	1	2,879.26	1	2,575.23	1	2,271.18	1	1,967.07	1	1,662.96	1	1,358.91	1	1,057.94	1	766.36	1	466.12	1	166.66
1/4		1/4	3,173.17	1/4	2,872.96	1/4	2,568.90	1/4	2,264.85	1/4	1,960.73	1/4	1,656.62	1/4	1,352.57	1/4	1,051.60	1/4	760.33	1/4	459.78	1/4	160.35
1/2		1/2	3,167.36	1/2	2,866.63	1/2	2,562.56	1/2	2,258.51	1/2	1,954.40	1/2	1,650.29	1/2	1,346.37	1/2	1,045.27	1/2	754.29	1/2	453.44	1/2	154.13
3/4		3/4	3,161.55	3/4	2,860.29	3/4	2,556.23	3/4	2,252.18	3/4	1,948.06	3/4	1,643.95	3/4	1,340.16	3/4	1,038.93	3/4	748.26	3/4	447.11	3/4	147.92
2		2	3,155.74	2	2,853.96	2	2,549.89	2	2,245.84	2	1,941.73	2	1,637.61	2	1,333.96	2	1,032.59	2	742.22	2	440.77	2	141.71
1/4		1/4	3,149.94	1/4	2,847.62	1/4	2,543.56	1/4	2,239.51	1/4	1,935.39	1/4	1,631.28	1/4	1,327.75	1/4	1,026.26	1/4	736.19	1/4	434.43	1/4	135.50
1/2		1/2	3,143.64	1/2	2,841.29	1/2	2,537.22	1/2	2,233.17	1/2	1,929.06	1/2	1,624.94	1/2	1,321.55	1/2	1,020.19	1/2	730.16	1/2	428.10	1/2	129.40
3/4		3/4	3,137.35	3/4	2,834.95	3/4	2,530.89	3/4	2,226.83	3/4	1,922.72	3/4	1,618.61	3/4	1,315.34	3/4	1,014.12	3/4	724.12	3/4	421.76	3/4	123.31
3		3	3,131.05	3	2,828.62	3	2,524.55	3	2,220.50	3	1,916.38	3	1,612.27	3	1,309.14	3	1,008.05	3	718.09	3	415.42	3	117.21
1/4		1/4	3,124.76	1/4	2,822.28	1/4	2,518.22	1/4	2,214.16	1/4	1,910.05	1/4	1,605.94	1/4	1,302.94	1/4	1,001.99	1/4	712.05	1/4	409.09	1/4	111.12
1/2		1/2	3,118.46	1/2	2,815.95	1/2	2,511.88	1/2	2,207.83	1/2	1,903.71	1/2	1,599.61	1/2	1,296.74	1/2	995.92	1/2	706.02	1/2	402.75	1/2	105.03
3/4		3/4	3,112.17	3/4	2,809.61	3/4	2,505.55	3/4	2,201.49	3/4	1,897.38	3/4	1,593.28	3/4	1,290.53	3/4	989.85	3/4	699.98	3/4	396.41	3/4	98.95
4		4	3,105.87	4	2,803.28	4	2,499.21	4	2,195.16	4	1,891.04	4	1,586.96	4	1,284.33	4	983.78	4	693.94	4	390.08	4	92.87
1/4		1/4	3,099.58	1/4	2,796.94	1/4	2,492.88	1/4	2,188.82	1/4	1,884.71	1/4	1,580.63	1/4	1,278.13	1/4	977.71	1/4	687.90	1/4	383.74	1/4	86.79
1/2		1/2	3,093.28	1/2	2,790.61	1/2	2,486.54	1/2	2,182.48	1/2	1,878.37	1/2	1,574.30	1/2	1,271.93	1/2	971.67	1/2	681.57	1/2	377.62	1/2	80.72
3/4		3/4	3,086.99	3/4	2,784.28	3/4	2,480.21	3/4	2,176.15	3/4	1,872.03	3/4	1,567.98	3/4	1,265.73	3/4	965.62	3/4	675.23	3/4	371.50	3/4	74.64
5		5	3,080.69	5	2,777.94	5	2,473.87	5	2,169.81	5	1,865.70	5	1,561.65	5	1,259.53	5	959.58	5	668.89	5	365.38	5	68.57
1/4		1/4	3,074.40	1/4	2,771.61	1/4	2,467.54	1/4	2,163.48	1/4	1,859.36	1/4	1,555.32	1/4	1,253.33	1/4	953.53	1/4	662.56	1/4	359.26	1/4	62.50
1/2		1/2	3,068.10	1/2	2,765.27	1/2	2,461.21	1/2	2,157.14	1/2	1,853.03	1/2	1,548.99	1/2	1,247.13	1/2	947.48	1/2	656.22	1/2	353.14	1/2	56.46
3/4		3/4	3,061.81	3/4	2,758.94	3/4	2,454.87	3/4	2,150.81	3/4	1,846.69	3/4	1,542.65	3/4	1,240.92	3/4	941.44	3/4	649.88	3/4	347.03	3/4	50.42
6		6	3,055.51	6	2,752.60	6	2,448.54	6	2,144.47	6	1,840.36	6	1,536.31	6	1,234.72	6	935.39	6	643.55	6	340.91	6	44.38
1/4		1/4	3,049.22	1/4	2,746.27	1/4	2,442.20	1/4	2,138.13	1/4	1,834.02	1/4	1,529.98	1/4	1,228.51	1/4	929.35	1/4	637.21	1/4	334.79	1/4	38.35
1/2		1/2	3,042.92	1/2	2,739.93	1/2	2,435.87	1/2	2,131.80	1/2	1,827.68	1/2	1,523.64	1/2	1,222.31	1/2	923.31	1/2	630.87	1/2	328.67	1/2	33.18
3/4		3/4	3,036.63	3/4	2,733.60	3/4	2,429.53	3/4	2,125.46	3/4	1,821.35	3/4	1,517.31	3/4	1,216.10	3/4	917.27	3/4	624.54	3/4	322.55	3/4	28.01
7		7	3,030.33	7	2,727.26	7	2,423.20	7	2,119.13	7	1,815.01	7	1,510.97	7	1,209.90	7	911.23	7	618.20	7	316.43	7	22.84
1/4		1/4	3,024.04	1/4	2,720.93	1/4	2,416.86	1/4	2,112.79	1/4	1,808.68	1/4	1,504.63	1/4	1,203.70	1/4	905.19	1/4	611.86	1/4	310.31	1/4	17.67
1/2		1/2	3,017.74	1/2	2,714.59	1/2	2,410.53	1/2	2,106.46	1/2	1,802.34	1/2	1,498.30	1/2	1,197.36	1/2	899.15	1/2	605.53	1/2	304.20	1/2	
3/4		3/4	3,011.45	3/4	2,708.26	3/4	2,404.20	3/4	2,100.12	3/4	1,796.01	3/4	1,491.96	3/4	1,191.02	3/4	893.12	3/4	599.19	3/4	298.09	3/4	
8		8	3,005.15	8	2,701.92	8	2,397.88	8	2,093.78	8	1,789.67	8	1,485.63	8	1,184.68	8	887.08	8	592.85	8	291.99	8	
1/4		1/4	2,998.86	1/4	2,695.59	1/4	2,391.55	1/4	2,087.45	1/4	1,783.33	1/4	1,479.29	1/4	1,178.35	1/4	881.04	1/4	586.52	1/4	285.88	1/4	
1/2		1/2	2,992.56	1/2	2,689.25	1/2	2,385.21	1/2	2,081.11	1/2	1,777.00	1/2	1,472.95	1/2	1,172.01	1/2	875.00	1/2	580.18	1/2	279.77	1/2	
3/4		3/4	2,986.27	3/4	2,682.92	3/4	2,378.88	3/4	2,074.78	3/4	1,770.66	3/4	1,466.62	3/4	1,165.67	3/4	868.96	3/4	573.84	3/4	273.66	3/4	
9		9	2,979.97	9	2,676.59	9	2,372.55	9	2,068.44	9	1,764.33	9	1,460.28	9	1,159.34	9	862.92	9	567.51	9	267.55	9	
1/4		1/4	2,973.68	1/4	2,670.25	1/4	2,366.22	1/4	2,062.11	1/4	1,757.99	1/4	1,453.95	1/4	1,153.00	1/4	856.89	1/4	561.17	1/4	261.44	1/4	
1/2		1/2	2,967.38	1/2	2,663.92	1/2	2,359.88	1/2	2,055.77	1/2	1,751.66	1/2	1,447.61	1/2	1,146.66	1/2	850.85	1/2	554.83	1/2	255.12	1/2	
3/4		3/4	2,961.09	3/4	2,657.58	3/4	2,353.55	3/4	2,049.43	3/4	1,745.32	3/4	1,441.27	3/4	1,140.32	3/4	844.81	3/4	548.50	3/4	248.79	3/4	
10		10	2,954.79	10	2,651.25	10	2,347.21	10	2,043.10	10	1,738.98	10	1,434.94	10	1,133.99	10	838.78	10	542.16	10	242.46	10	
1/4		1/4	2,948.50	1/4	2,644.91	1/4	2,340.88	1/4	2,036.76	1/4	1,732.65	1/4	1,428.60	1/4	1,127.65	1/4	832.74	1/4	535.82	1/4	236.14	1/4	
1/2		1/2	2,942.20	1/2	2,638.58	1/2	2,334.54	1/2	2,030.43	1/2	1,726.31	1/2	1,422.27	1/2	1,121.31	1/2	826.70	1/2	529.48	1/2	229.82	1/2	
3/4		3/4	2,935.91	3/4	2,632.24	3/4	2,328.21	3/4	2,024.09	3/4	1,719.98	3/4	1,415.93	3/4	1,114.98	3/4	820.67	3/4	523.15	3/4	223.51	3/4	
11		11	2,929.61	11	2,625.91	11	2,321.87	11	2,017.76	11	1,713.64	11	1,409.59	11	1,108.64	11	814.64	11	516.81	11	217.19	11	
1/4		1/4	2,923.32	1/4	2,619.57	1/4	2,315.53	1/4	2,011.42	1/4	1,707.31	1/4	1,403.26	1/4	1,102.30	1/4	808.60	1/4	510.47	1/4	210.88	1/4	
1/2		1/2	2,917.03	1/2	2,613.24	1/2	2,309.20	1/2	2,005.08	1/2	1,700.97	1/2	1,396.92	1/2	1,095.96	1/2	802.57	1/2	504.14	1/2	204.56	1/2	
3/4		3/4	2,910.73	3/4	2,606.90	3/4	2,302.86	3/4	1,998.75	3/4	1,694.64	3/4	1,390.59	3/4	1,089.63	3/4	796.53	3/4	497.80	3/4	198.24	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.

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GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 38'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "MM 97B" MAGNOLIA BARGE

**2 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 1/2"

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.	IN	10 FT.	IN	11 FT.
0	0	0	0	0	2,924.56	0	2,620.86	0	2,316.95	0	2,012.96	0	1,708.98	0	1,405.06	0	1,104.23	0	801.04	0	497.59	0	198.16
1/4	1/4	1/4	3,209.57	1/4	2,918.27	1/4	2,614.53	1/4	2,310.62	1/4	2,006.63	1/4	1,702.65	1/4	1,398.73	1/4	1,097.90	1/4	794.74	1/4	491.26	1/4	191.85
1/2	1/2	1/2	3,205.88	1/2	2,911.98	1/2	2,608.20	1/2	2,304.28	1/2	2,000.30	1/2	1,696.31	1/2	1,392.40	1/2	1,091.56	1/2	788.44	1/2	484.92	1/2	185.53
3/4	3/4	3/4	3,201.13	3/4	2,905.68	3/4	2,601.86	3/4	2,297.95	3/4	1,993.97	3/4	1,689.98	3/4	1,386.06	3/4	1,085.23	3/4	782.13	3/4	478.59	3/4	179.22
1	1	1	3,196.38	1	2,899.39	1	2,595.53	1	2,291.62	1	1,987.63	1	1,683.65	1	1,379.73	1	1,078.90	1	775.83	1	472.25	1	172.91
1/4	1/4	1/4	3,191.63	1/4	2,893.10	1/4	2,589.20	1/4	2,285.28	1/4	1,981.30	1/4	1,677.32	1/4	1,373.40	1/4	1,072.56	1/4	769.53	1/4	465.92	1/4	166.59
1/2	1/2	1/2	3,186.88	1/2	2,886.81	1/2	2,582.87	1/2	2,278.95	1/2	1,974.97	1/2	1,670.98	1/2	1,367.06	1/2	1,066.23	1/2	763.23	1/2	459.59	1/2	160.28
3/4	3/4	3/4	3,181.07	3/4	2,880.48	3/4	2,576.54	3/4	2,272.62	3/4	1,968.63	3/4	1,664.65	3/4	1,360.86	3/4	1,059.89	3/4	756.93	3/4	453.25	3/4	154.07
2	2	2	3,175.27	2	2,874.14	2	2,570.20	2	2,266.28	2	1,962.30	2	1,658.32	2	1,354.66	2	1,053.56	2	750.63	2	446.92	2	147.86
1/4	1/4	1/4	3,169.46	1/4	2,867.81	1/4	2,563.87	1/4	2,259.95	1/4	1,955.97	1/4	1,651.98	1/4	1,348.46	1/4	1,047.22	1/4	744.33	1/4	440.58	1/4	141.65
1/2	1/2	1/2	3,163.66	1/2	2,861.48	1/2	2,557.54	1/2	2,253.62	1/2	1,949.63	1/2	1,645.65	1/2	1,342.26	1/2	1,040.89	1/2	738.03	1/2	434.25	1/2	135.44
3/4	3/4	3/4	3,157.36	3/4	2,855.15	3/4	2,551.21	3/4	2,247.29	3/4	1,943.30	3/4	1,639.32	3/4	1,336.05	3/4	1,034.55	3/4	731.73	3/4	427.91	3/4	129.35
3	3	3	3,151.07	3	2,848.82	3	2,544.87	3	2,240.95	3	1,936.97	3	1,632.98	3	1,329.85	3	1,028.22	3	725.43	3	421.58	3	123.26
1/4	1/4	1/4	3,144.78	1/4	2,842.48	1/4	2,538.54	1/4	2,234.62	1/4	1,930.64	1/4	1,626.65	1/4	1,323.65	1/4	1,021.89	1/4	719.13	1/4	415.25	1/4	117.16
1/2	1/2	1/2	3,138.49	1/2	2,836.15	1/2	2,532.21	1/2	2,228.29	1/2	1,924.30	1/2	1,620.32	1/2	1,317.45	1/2	1,015.55	1/2	712.82	1/2	408.91	1/2	111.07
3/4	3/4	3/4	3,132.20	3/4	2,829.82	3/4	2,525.88	3/4	2,221.95	3/4	1,917.97	3/4	1,613.99	3/4	1,311.25	3/4	1,009.22	3/4	706.52	3/4	402.58	3/4	104.99
4	4	4	3,125.90	4	2,823.49	4	2,519.55	4	2,215.62	4	1,911.64	4	1,607.67	4	1,305.05	4	1,002.88	4	700.22	4	396.24	4	98.91
1/4	1/4	1/4	3,119.61	1/4	2,817.16	1/4	2,513.21	1/4	2,209.29	1/4	1,905.30	1/4	1,601.35	1/4	1,298.86	1/4	996.55	1/4	693.92	1/4	389.91	1/4	92.83
1/2	1/2	1/2	3,113.32	1/2	2,810.82	1/2	2,506.88	1/2	2,202.95	1/2	1,898.97	1/2	1,595.02	1/2	1,292.66	1/2	990.21	1/2	687.61	1/2	383.58	1/2	86.75
3/4	3/4	3/4	3,107.03	3/4	2,804.49	3/4	2,500.55	3/4	2,196.62	3/4	1,892.64	3/4	1,588.70	3/4	1,286.46	3/4	983.90	3/4	681.28	3/4	377.46	3/4	80.68
5	5	5	3,100.74	5	2,798.16	5	2,494.22	5	2,190.29	5	1,886.30	5	1,582.38	5	1,280.26	5	977.59	5	674.94	5	371.34	5	74.61
1/4	1/4	1/4	3,094.44	1/4	2,791.83	1/4	2,487.89	1/4	2,183.96	1/4	1,879.97	1/4	1,576.05	1/4	1,274.06	1/4	971.28	1/4	668.61	1/4	365.23	1/4	68.54
1/2	1/2	1/2	3,088.15	1/2	2,785.49	1/2	2,481.55	1/2	2,177.62	1/2	1,873.64	1/2	1,569.73	1/2	1,267.87	1/2	964.96	1/2	662.28	1/2	359.11	1/2	62.47
3/4	3/4	3/4	3,081.86	3/4	2,779.16	3/4	2,475.22	3/4	2,171.29	3/4	1,867.31	3/4	1,563.39	3/4	1,261.66	3/4	958.65	3/4	655.94	3/4	352.99	3/4	56.44
6	6	6	3,075.57	6	2,772.83	6	2,468.89	6	2,164.96	6	1,860.97	6	1,557.06	6	1,255.46	6	952.34	6	649.61	6	346.88	6	50.40
1/4	1/4	1/4	3,069.28	1/4	2,766.50	1/4	2,462.56	1/4	2,158.62	1/4	1,854.64	1/4	1,550.73	1/4	1,249.26	1/4	946.03	1/4	643.27	1/4	340.76	1/4	44.37
1/2	1/2	1/2	3,062.98	1/2	2,760.17	1/2	2,456.23	1/2	2,152.29	1/2	1,848.31	1/2	1,544.40	1/2	1,243.06	1/2	939.71	1/2	636.94	1/2	334.65	1/2	38.33
3/4	3/4	3/4	3,056.69	3/4	2,753.83	3/4	2,449.89	3/4	2,145.96	3/4	1,841.97	3/4	1,538.06	3/4	1,236.86	3/4	933.41	3/4	630.61	3/4	328.53	3/4	33.17
7	7	7	3,050.40	7	2,747.50	7	2,443.56	7	2,139.62	7	1,835.64	7	1,531.73	7	1,230.66	7	927.10	7	624.27	7	322.41	7	28.00
1/4	1/4	1/4	3,044.11	1/4	2,741.17	1/4	2,437.23	1/4	2,133.29	1/4	1,829.31	1/4	1,525.40	1/4	1,224.45	1/4	920.80	1/4	617.94	1/4	316.30	1/4	22.83
1/2	1/2	1/2	3,037.82	1/2	2,734.84	1/2	2,430.90	1/2	2,126.96	1/2	1,822.97	1/2	1,519.06	1/2	1,218.25	1/2	914.49	1/2	611.60	1/2	310.18	1/2	17.66
3/4	3/4	3/4	3,031.52	3/4	2,728.51	3/4	2,424.57	3/4	2,120.63	3/4	1,816.64	3/4	1,512.73	3/4	1,211.92	3/4	908.19	3/4	605.27	3/4	304.07	3/4	---
8	8	8	3,025.23	8	2,722.17	8	2,418.24	8	2,114.29	8	1,810.31	8	1,506.40	8	1,205.58	8	901.88	8	598.94	8	297.97	8	---
1/4	1/4	1/4	3,018.94	1/4	2,715.84	1/4	2,411.92	1/4	2,107.96	1/4	1,803.98	1/4	1,500.06	1/4	1,199.25	1/4	895.58	1/4	592.60	1/4	291.86	1/4	---
1/2	1/2	1/2	3,012.65	1/2	2,709.51	1/2	2,405.59	1/2	2,101.63	1/2	1,797.64	1/2	1,493.73	1/2	1,192.91	1/2	889.27	1/2	586.27	1/2	285.76	1/2	---
3/4	3/4	3/4	3,006.36	3/4	2,703.18	3/4	2,399.26	3/4	2,095.29	3/4	1,791.31	3/4	1,487.40	3/4	1,186.58	3/4	882.97	3/4	579.93	3/4	279.65	3/4	---
9	9	9	3,000.06	9	2,696.85	9	2,392.94	9	2,088.96	9	1,784.98	9	1,481.06	9	1,180.25	9	876.66	9	573.60	9	273.55	9	---
1/4	1/4	1/4	2,993.77	1/4	2,690.51	1/4	2,386.61	1/4	2,082.63	1/4	1,778.64	1/4	1,474.73	1/4	1,173.91	1/4	870.36	1/4	567.27	1/4	267.44	1/4	---
1/2	1/2	1/2	2,987.48	1/2	2,684.18	1/2	2,380.28	1/2	2,076.29	1/2	1,772.31	1/2	1,468.40	1/2	1,167.58	1/2	864.06	1/2	560.93	1/2	261.33	1/2	---
3/4	3/4	3/4	2,981.19	3/4	2,677.85	3/4	2,373.95	3/4	2,069.96	3/4	1,765.98	3/4	1,462.06	3/4	1,161.24	3/4	857.75	3/4	554.60	3/4	255.01	3/4	---
10	10	10	2,974.90	10	2,671.52	10	2,367.61	10	2,063.63	10	1,759.64	10	1,455.73	10	1,154.91	10	851.45	10	548.26	10	248.69	10	---
1/4	1/4	1/4	2,968.60	1/4	2,665.18	1/4	2,361.28	1/4	2,057.30	1/4	1,753.31	1/4	1,449.40	1/4	1,148.57	1/4	845.15	1/4	541.93	1/4	242.36	1/4	---
1/2	1/2	1/2	2,962.31	1/2	2,658.85	1/2	2,354.95	1/2	2,050.96	1/2	1,746.98	1/2	1,443.06	1/2	1,142.24	1/2	838.84	1/2	535.59	1/2	236.04	1/2	---
3/4	3/4	3/4	2,956.02	3/4	2,652.52	3/4	2,348.61	3/4	2,044.63	3/4	1,740.65	3/4	1,436.73	3/4	1,135.91	3/4	832.54	3/4	529.26	3/4	229.73	3/4	---
11	11	11	2,949.73	11	2,646.19	11	2,342.28	11	2,038.30	11	1,734.31	11	1,430.40	11	1,129.57	11	826.24	11	522.93	11	223.41	11	---
1/4	1/4	1/4	2,943.44	1/4	2,639.86	1/4	2,335.95	1/4	2,031.96	1/4	1,727.98	1/4	1,424.06	1/4	1,123.24	1/4	819.94	1/4	516.59	1/4	217.10	1/4	---
1/2	1/2	1/2	2,937.14	1/2	2,633.52	1/2	2,329.61	1/2	2,025.63	1/2	1,721.65	1/2	1,417.73	1/2	1,116.90	1/2	813.64	1/2	510.26	1/2	210.79	1/2	---
3/4	3/4	3/4	2,930.85	3/4	2,627.19	3/4	2,323.28	3/4	2,019.30	3/4	1,715.31	3/4	1,411.40	3/4	1,110.57	3/4	807.34	3/4	503.92	3/4	204.47	3/4	---

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BARGE "MM 97B" MAGNOLIA BARGE

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	3,194.59	0	2,903.29	0	2,599.55	0	2,295.65	0	1,991.66	0	1,687.67	0	1,383.75	0	1,082.93	0	790.26	0	491.36	0	191.90
1/4		1/4	3,190.90	1/4	2,897.00	1/4	2,593.22	1/4	2,289.32	1/4	1,985.33	1/4	1,681.34	1/4	1,377.42	1/4	1,076.59	1/4	784.23	1/4	485.03	1/4	185.58
1/2		1/2	3,186.15	1/2	2,890.71	1/2	2,586.89	1/2	2,282.99	1/2	1,979.00	1/2	1,675.01	1/2	1,371.09	1/2	1,070.26	1/2	778.20	1/2	478.69	1/2	179.27
3/4		3/4	3,181.40	3/4	2,884.42	3/4	2,580.56	3/4	2,276.65	3/4	1,972.66	3/4	1,668.68	3/4	1,364.76	3/4	1,063.92	3/4	772.17	3/4	472.36	3/4	172.96
1		1	3,176.65	1	2,878.13	1	2,574.23	1	2,270.32	1	1,966.33	1	1,662.34	1	1,358.42	1	1,057.59	1	766.14	1	466.02	1	166.64
1/4		1/4	3,171.90	1/4	2,871.83	1/4	2,567.89	1/4	2,263.99	1/4	1,960.00	1/4	1,656.01	1/4	1,352.09	1/4	1,051.25	1/4	760.11	1/4	459.69	1/4	160.33
1/2		1/2	3,166.09	1/2	2,865.50	1/2	2,561.56	1/2	2,257.65	1/2	1,953.66	1/2	1,649.68	1/2	1,345.89	1/2	1,044.92	1/2	754.07	1/2	453.35	1/2	154.12
3/4		3/4	3,160.29	3/4	2,859.17	3/4	2,555.23	3/4	2,251.32	3/4	1,947.33	3/4	1,643.34	3/4	1,339.69	3/4	1,038.59	3/4	748.04	3/4	447.02	3/4	147.91
2		2	3,154.49	2	2,852.84	2	2,548.90	2	2,244.99	2	1,941.00	2	1,637.01	2	1,333.48	2	1,032.25	2	742.01	2	440.69	2	141.70
1/4		1/4	3,148.68	1/4	2,846.51	1/4	2,542.57	1/4	2,238.65	1/4	1,934.67	1/4	1,630.68	1/4	1,327.28	1/4	1,025.92	1/4	735.98	1/4	434.35	1/4	135.49
1/2		1/2	3,142.39	1/2	2,840.17	1/2	2,536.23	1/2	2,232.32	1/2	1,928.33	1/2	1,624.34	1/2	1,321.08	1/2	1,019.85	1/2	729.95	1/2	428.02	1/2	129.39
3/4		3/4	3,136.10	3/4	2,833.84	3/4	2,529.90	3/4	2,225.99	3/4	1,922.00	3/4	1,618.01	3/4	1,314.88	3/4	1,013.79	3/4	723.92	3/4	421.68	3/4	123.30
3		3	3,129.81	3	2,827.51	3	2,523.57	3	2,219.66	3	1,915.67	3	1,611.68	3	1,308.68	3	1,007.72	3	717.88	3	415.35	3	117.20
1/4		1/4	3,123.51	1/4	2,821.18	1/4	2,517.24	1/4	2,213.32	1/4	1,909.33	1/4	1,605.34	1/4	1,302.48	1/4	1,001.66	1/4	711.85	1/4	409.02	1/4	111.11
1/2		1/2	3,117.22	1/2	2,814.85	1/2	2,510.91	1/2	2,206.99	1/2	1,903.00	1/2	1,599.02	1/2	1,296.28	1/2	995.59	1/2	705.82	1/2	402.68	1/2	105.02
3/4		3/4	3,110.93	3/4	2,808.51	3/4	2,504.57	3/4	2,200.66	3/4	1,896.67	3/4	1,592.70	3/4	1,290.08	3/4	989.53	3/4	699.78	3/4	396.35	3/4	98.94
4		4	3,104.64	4	2,802.18	4	2,498.24	4	2,194.32	4	1,890.33	4	1,586.37	4	1,283.88	4	983.46	4	693.75	4	390.01	4	92.86
1/4		1/4	3,098.35	1/4	2,795.85	1/4	2,491.91	1/4	2,187.99	1/4	1,884.00	1/4	1,580.05	1/4	1,277.68	1/4	977.39	1/4	687.72	1/4	383.68	1/4	86.78
1/2		1/2	3,092.05	1/2	2,789.52	1/2	2,485.58	1/2	2,181.66	1/2	1,877.67	1/2	1,573.73	1/2	1,271.49	1/2	971.35	1/2	681.38	1/2	377.56	1/2	80.70
3/4		3/4	3,085.76	3/4	2,783.19	3/4	2,479.24	3/4	2,175.32	3/4	1,871.33	3/4	1,567.40	3/4	1,265.29	3/4	965.31	3/4	675.05	3/4	371.44	3/4	74.63
5		5	3,079.47	5	2,776.85	5	2,472.91	5	2,168.99	5	1,865.00	5	1,561.08	5	1,259.09	5	959.27	5	668.71	5	365.32	5	68.56
1/4		1/4	3,073.18	1/4	2,770.52	1/4	2,466.58	1/4	2,162.66	1/4	1,858.67	1/4	1,554.75	1/4	1,252.89	1/4	953.22	1/4	662.38	1/4	359.20	1/4	62.49
1/2		1/2	3,066.89	1/2	2,764.19	1/2	2,460.25	1/2	2,156.32	1/2	1,852.34	1/2	1,548.42	1/2	1,246.69	1/2	947.18	1/2	656.05	1/2	353.08	1/2	56.45
3/4		3/4	3,060.59	3/4	2,757.86	3/4	2,453.92	3/4	2,149.99	3/4	1,846.00	3/4	1,542.09	3/4	1,240.49	3/4	941.14	3/4	649.71	3/4	346.97	3/4	50.41
6		6	3,054.30	6	2,751.52	6	2,447.58	6	2,143.66	6	1,839.67	6	1,535.75	6	1,234.29	6	935.09	6	643.38	6	340.85	6	44.37
1/4		1/4	3,048.01	1/4	2,745.19	1/4	2,441.25	1/4	2,137.32	1/4	1,833.34	1/4	1,529.42	1/4	1,228.09	1/4	929.05	1/4	637.04	1/4	334.73	1/4	38.34
1/2		1/2	3,041.72	1/2	2,738.86	1/2	2,434.92	1/2	2,130.99	1/2	1,827.00	1/2	1,523.09	1/2	1,221.89	1/2	923.01	1/2	630.71	1/2	328.61	1/2	33.17
3/4		3/4	3,035.43	3/4	2,732.53	3/4	2,428.59	3/4	2,124.66	3/4	1,820.67	3/4	1,516.75	3/4	1,215.68	3/4	916.98	3/4	624.38	3/4	322.49	3/4	28.00
7		7	3,029.13	7	2,726.20	7	2,422.26	7	2,118.33	7	1,814.34	7	1,510.42	7	1,209.48	7	910.94	7	618.04	7	316.37	7	22.83
1/4		1/4	3,022.84	1/4	2,719.86	1/4	2,415.92	1/4	2,111.99	1/4	1,808.00	1/4	1,504.09	1/4	1,203.28	1/4	904.91	1/4	611.71	1/4	310.25	1/4	17.66
1/2		1/2	3,016.55	1/2	2,713.53	1/2	2,409.60	1/2	2,105.66	1/2	1,801.67	1/2	1,497.75	1/2	1,196.95	1/2	898.87	1/2	605.37	1/2	304.14	1/2	
3/4		3/4	3,010.26	3/4	2,707.20	3/4	2,403.27	3/4	2,099.33	3/4	1,795.34	3/4	1,491.42	3/4	1,190.61	3/4	892.84	3/4	599.04	3/4	298.03	3/4	
8		8	3,003.97	8	2,700.87	8	2,396.94	8	2,092.99	8	1,789.00	8	1,485.09	8	1,184.28	8	886.80	8	592.70	8	291.93	8	
1/4		1/4	2,997.67	1/4	2,694.54	1/4	2,390.62	1/4	2,086.66	1/4	1,782.67	1/4	1,478.75	1/4	1,177.94	1/4	880.76	1/4	586.37	1/4	285.82	1/4	
1/2		1/2	2,991.38	1/2	2,688.20	1/2	2,384.29	1/2	2,080.33	1/2	1,776.34	1/2	1,472.42	1/2	1,171.61	1/2	874.73	1/2	580.04	1/2	279.71	1/2	
3/4		3/4	2,985.09	3/4	2,681.87	3/4	2,377.97	3/4	2,073.99	3/4	1,770.01	3/4	1,466.09	3/4	1,165.27	3/4	868.69	3/4	573.70	3/4	273.60	3/4	
9		9	2,978.80	9	2,675.54	9	2,371.64	9	2,067.66	9	1,763.67	9	1,459.75	9	1,158.94	9	862.66	9	567.37	9	267.49	9	
1/4		1/4	2,972.51	1/4	2,669.21	1/4	2,365.32	1/4	2,061.33	1/4	1,757.34	1/4	1,453.42	1/4	1,152.61	1/4	856.62	1/4	561.03	1/4	261.38	1/4	
1/2		1/2	2,966.21	1/2	2,662.88	1/2	2,358.98	1/2	2,054.99	1/2	1,751.01	1/2	1,447.09	1/2	1,146.27	1/2	850.59	1/2	554.70	1/2	255.06	1/2	
3/4		3/4	2,959.92	3/4	2,656.54	3/4	2,352.65	3/4	2,048.66	3/4	1,744.67	3/4	1,440.75	3/4	1,139.94	3/4	844.55	3/4	548.37	3/4	248.74	3/4	
10		10	2,953.63	10	2,650.21	10	2,346.32	10	2,042.33	10	1,738.34	10	1,434.42	10	1,133.60	10	838.52	10	542.03	10	242.41	10	
1/4		1/4	2,947.34	1/4	2,643.88	1/4	2,339.98	1/4	2,036.00	1/4	1,732.01	1/4	1,428.09	1/4	1,127.27	1/4	832.49	1/4	535.70	1/4	236.09	1/4	
1/2		1/2	2,941.05	1/2	2,637.55	1/2	2,333.65	1/2	2,029.66	1/2	1,725.67	1/2	1,421.75	1/2	1,120.93	1/2	826.45	1/2	529.36	1/2	229.78	1/2	
3/4		3/4	2,934.75	3/4	2,631.22	3/4	2,327.32	3/4	2,023.33	3/4	1,719.34	3/4	1,415.42	3/4	1,114.60	3/4	820.42	3/4	523.03	3/4	223.46	3/4	
11		11	2,928.46	11	2,624.88	11	2,320.98	11	2,017.00	11	1,713.01	11	1,409.09	11	1,108.26	11	814.39	11	516.70	11	217.15	11	
1/4		1/4	2,922.17	1/4	2,618.55	1/4	2,314.65	1/4	2,010.66	1/4	1,706.67	1/4	1,402.75	1/4	1,101.93	1/4	808.36	1/4	510.36	1/4	210.84	1/4	
1/2		1/2	2,915.88	1/2	2,612.22	1/2	2,308.32	1/2	2,004.33	1/2	1,700.34	1/2	1,396.42	1/2	1,095.60	1/2	802.33	1/2	504.03	1/2	204.52	1/2	
3/4		3/4	2,909.59	3/4	2,605.89	3/4	2,301.99	3/4	1,998.00	3/4	1,694.01	3/4	1,390.09	3/4	1,089.26	3/4	796.30	3/4	497.69	3/4	198.21	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 36'-00" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 38'-00" FORWARD OF AFT BULKHEAD.

STRAPPED: 07/03/2013 CL - SW
 CALCULATED: 07/04/2013 CL
 PRINTED: 07/08/2013 SW

CANCELS AND SUPERCEDES
 ALL PRIOR TO 07/2013

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



BARGE "MM 97B" MAGNOLIA BARGE

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.
0		0		0	2,929.68	0	2,626.16	0	2,322.39	0	2,018.53	0	1,714.67	0	1,410.89	0	1,110.19	0	807.09	0	503.81	0	204.43
1/4		1/4		1/4	2,923.39	1/4	2,619.83	1/4	2,316.06	1/4	2,012.20	1/4	1,708.34	1/4	1,404.55	1/4	1,103.86	1/4	800.79	1/4	497.47	1/4	198.12
1/2		1/2		1/2	3,208.28	1/2	2,917.10	1/2	2,613.50	1/2	2,309.73	1/2	2,005.87	1/2	1,702.01	1/2	1,398.22	1/2	1,097.52	1/2	794.49	1/2	491.14
3/4		3/4		3/4	3,204.59	3/4	2,910.82	3/4	2,607.17	3/4	2,303.40	3/4	1,999.54	3/4	1,695.68	3/4	1,391.89	3/4	1,091.19	3/4	788.19	3/4	484.81
1		1		1	3,199.84	1	2,904.53	1	2,600.84	1	2,297.07	1	1,993.21	1	1,689.35	1	1,385.56	1	1,084.86	1	781.90	1	478.48
1/4		1/4		1/4	3,195.09	1/4	2,898.24	1/4	2,594.51	1/4	2,290.74	1/4	1,986.88	1/4	1,683.02	1/4	1,379.23	1/4	1,078.53	1/4	775.60	1/4	472.15
1/2		1/2		1/2	3,190.35	1/2	2,891.95	1/2	2,588.18	1/2	2,284.41	1/2	1,980.55	1/2	1,676.69	1/2	1,372.90	1/2	1,072.20	1/2	769.30	1/2	465.82
3/4		3/4		3/4	3,185.60	3/4	2,885.66	3/4	2,581.85	3/4	2,278.08	3/4	1,974.22	3/4	1,670.36	3/4	1,366.57	3/4	1,065.87	3/4	763.00	3/4	459.49
2		2		2	3,179.80	2	2,879.33	2	2,575.52	2	2,271.75	2	1,967.89	2	1,664.03	2	1,360.37	2	1,059.53	2	756.70	2	453.16
1/4		1/4		1/4	3,173.99	1/4	2,873.00	1/4	2,569.19	1/4	2,265.42	1/4	1,961.56	1/4	1,657.70	1/4	1,354.17	1/4	1,053.20	1/4	750.41	1/4	446.82
1/2		1/2		1/2	3,168.19	1/2	2,866.67	1/2	2,562.86	1/2	2,259.09	1/2	1,955.23	1/2	1,651.37	1/2	1,347.97	1/2	1,046.87	1/2	744.11	1/2	440.49
3/4		3/4		3/4	3,162.39	3/4	2,860.34	3/4	2,556.53	3/4	2,252.76	3/4	1,948.90	3/4	1,645.04	3/4	1,341.78	3/4	1,040.54	3/4	737.81	3/4	434.16
3		3		3	3,156.10	3	2,854.01	3	2,550.21	3	2,246.43	3	1,942.57	3	1,638.71	3	1,335.58	3	1,034.21	3	731.51	3	427.83
1/4		1/4		1/4	3,149.81	1/4	2,847.68	1/4	2,543.88	1/4	2,240.10	1/4	1,936.24	1/4	1,632.38	1/4	1,329.38	1/4	1,027.88	1/4	725.21	1/4	421.50
1/2		1/2		1/2	3,143.52	1/2	2,841.35	1/2	2,537.55	1/2	2,233.77	1/2	1,929.91	1/2	1,626.05	1/2	1,323.18	1/2	1,021.54	1/2	718.91	1/2	415.17
3/4		3/4		3/4	3,137.23	3/4	2,835.02	3/4	2,531.22	3/4	2,227.44	3/4	1,923.58	3/4	1,619.72	3/4	1,316.98	3/4	1,015.21	3/4	712.62	3/4	408.84
4		4		4	3,130.94	4	2,828.69	4	2,524.89	4	2,221.11	4	1,917.25	4	1,613.40	4	1,310.79	4	1,008.88	4	706.32	4	402.50
1/4		1/4		1/4	3,124.65	1/4	2,822.37	1/4	2,518.56	1/4	2,214.78	1/4	1,910.92	1/4	1,607.08	1/4	1,304.59	1/4	1,002.55	1/4	700.02	1/4	396.17
1/2		1/2		1/2	3,118.36	1/2	2,816.04	1/2	2,512.23	1/2	2,208.45	1/2	1,904.59	1/2	1,600.76	1/2	1,298.39	1/2	996.22	1/2	693.72	1/2	389.84
3/4		3/4		3/4	3,112.07	3/4	2,809.71	3/4	2,505.90	3/4	2,202.12	3/4	1,898.26	3/4	1,594.43	3/4	1,292.20	3/4	989.89	3/4	687.42	3/4	383.51
5		5		5	3,105.78	5	2,803.38	5	2,499.57	5	2,195.78	5	1,891.93	5	1,588.11	5	1,286.00	5	983.58	5	681.09	5	377.39
1/4		1/4		1/4	3,099.49	1/4	2,797.05	1/4	2,493.24	1/4	2,189.45	1/4	1,885.60	1/4	1,581.79	1/4	1,279.81	1/4	977.27	1/4	674.75	1/4	371.28
1/2		1/2		1/2	3,093.21	1/2	2,790.72	1/2	2,486.91	1/2	2,183.12	1/2	1,879.26	1/2	1,575.47	1/2	1,273.61	1/2	970.96	1/2	668.42	1/2	365.16
3/4		3/4		3/4	3,086.92	3/4	2,784.39	3/4	2,480.58	3/4	2,176.79	3/4	1,872.93	3/4	1,569.15	3/4	1,267.42	3/4	964.65	3/4	662.09	3/4	359.04
6		6		6	3,080.63	6	2,778.06	6	2,474.25	6	2,170.46	6	1,866.60	6	1,562.82	6	1,261.22	6	958.34	6	655.76	6	352.93
1/4		1/4		1/4	3,074.34	1/4	2,771.73	1/4	2,467.92	1/4	2,164.13	1/4	1,860.27	1/4	1,556.49	1/4	1,255.02	1/4	952.03	1/4	649.43	1/4	346.81
1/2		1/2		1/2	3,068.05	1/2	2,765.40	1/2	2,461.60	1/2	2,157.80	1/2	1,853.94	1/2	1,550.16	1/2	1,248.82	1/2	945.72	1/2	643.10	1/2	340.69
3/4		3/4		3/4	3,061.76	3/4	2,759.07	3/4	2,455.27	3/4	2,151.47	3/4	1,847.61	3/4	1,543.83	3/4	1,242.62	3/4	939.41	3/4	636.77	3/4	334.58
7		7		7	3,055.47	7	2,752.74	7	2,448.94	7	2,145.14	7	1,841.28	7	1,537.50	7	1,236.42	7	933.11	7	630.43	7	328.46
1/4		1/4		1/4	3,049.18	1/4	2,746.41	1/4	2,442.61	1/4	2,138.81	1/4	1,834.95	1/4	1,531.17	1/4	1,230.22	1/4	926.80	1/4	624.10	1/4	322.35
1/2		1/2		1/2	3,042.89	1/2	2,740.08	1/2	2,436.28	1/2	2,132.48	1/2	1,828.62	1/2	1,524.84	1/2	1,224.03	1/2	920.50	1/2	617.77	1/2	316.23
3/4		3/4		3/4	3,036.60	3/4	2,733.76	3/4	2,429.95	3/4	2,126.15	3/4	1,822.29	3/4	1,518.51	3/4	1,217.83	3/4	914.20	3/4	611.44	3/4	310.11
8		8		8	3,030.31	8	2,727.43	8	2,423.63	8	2,119.82	8	1,815.96	8	1,512.18	8	1,211.49	8	907.90	8	605.11	8	304.01
1/4		1/4		1/4	3,024.02	1/4	2,721.10	1/4	2,417.30	1/4	2,113.49	1/4	1,809.63	1/4	1,505.84	1/4	1,205.16	1/4	901.59	1/4	598.78	1/4	297.90
1/2		1/2		1/2	3,017.73	1/2	2,714.77	1/2	2,410.98	1/2	2,107.16	1/2	1,803.30	1/2	1,499.51	1/2	1,198.83	1/2	895.29	1/2	592.45	1/2	291.80
3/4		3/4		3/4	3,011.44	3/4	2,708.44	3/4	2,404.65	3/4	2,100.83	3/4	1,796.97	3/4	1,493.18	3/4	1,192.50	3/4	888.99	3/4	586.11	3/4	285.69
9		9		9	3,005.16	9	2,702.11	9	2,398.33	9	2,094.50	9	1,790.64	9	1,486.85	9	1,186.17	9	882.69	9	579.78	9	279.58
1/4		1/4		1/4	2,998.87	1/4	2,695.78	1/4	2,392.01	1/4	2,088.17	1/4	1,784.31	1/4	1,480.52	1/4	1,179.84	1/4	876.39	1/4	573.45	1/4	273.48
1/2		1/2		1/2	2,992.58	1/2	2,689.45	1/2	2,385.69	1/2	2,081.84	1/2	1,777.98	1/2	1,474.19	1/2	1,173.50	1/2	870.08	1/2	567.12	1/2	267.37
3/4		3/4		3/4	2,986.29	3/4	2,683.12	3/4	2,379.37	3/4	2,075.51	3/4	1,771.65	3/4	1,467.86	3/4	1,167.17	3/4	863.78	3/4	560.79	3/4	261.27
10		10		10	2,980.00	10	2,676.79	10	2,373.04	10	2,069.18	10	1,765.32	10	1,461.53	10	1,160.84	10	857.48	10	554.46	10	254.95
1/4		1/4		1/4	2,973.71	1/4	2,670.46	1/4	2,366.71	1/4	2,062.85	1/4	1,758.99	1/4	1,455.20	1/4	1,154.51	1/4	851.18	1/4	548.13	1/4	248.62
1/2		1/2		1/2	2,967.42	1/2	2,664.13	1/2	2,360.38	1/2	2,056.52	1/2	1,752.66	1/2	1,448.87	1/2	1,148.18	1/2	844.88	1/2	541.79	1/2	242.30
3/4		3/4		3/4	2,961.13	3/4	2,657.80	3/4	2,354.04	3/4	2,050.19	3/4	1,746.33	3/4	1,442.54	3/4	1,141.85	3/4	838.58	3/4	535.46	3/4	235.98
11		11		11	2,954.84	11	2,651.47	11	2,347.71	11	2,043.86	11	1,740.00	11	1,436.21	11	1,135.51	11	832.28	11	529.13	11	229.67
1/4		1/4		1/4	2,948.55	1/4	2,645.15	1/4	2,341.38	1/4	2,037.52	1/4	1,733.67	1/4	1,429.88	1/4	1,129.18	1/4	825.98	1/4	522.80	1/4	223.36
1/2		1/2		1/2	2,942.26	1/2	2,638.82	1/2	2,335.05	1/2	2,031.19	1/2	1,727.34	1/2	1,423.55	1/2	1,122.85	1/2	819.69	1/2	516.47	1/2	217.05
3/4		3/4		3/4	2,935.97	3/4	2,632.49	3/4	2,328.72	3/4	2,024.86	3/4	1,721.00	3/4	1,417.22	3/4	1,116.52	3/4	813.39	3/4	510.14	3/4	210.74

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 36'-00" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 38'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "MM 97B" MAGNOLIA BARGE

4 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 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.	IN	10 FT.	IN	11 FT.
0		0	3,180.76	0	2,891.76	0	2,590.54	0	2,289.16	0	1,987.90	0	1,688.09	0	1,388.82	0	1,090.17	0	797.32	0	499.55	0	196.48
1/4		1/4	3,177.09	1/4	2,885.52	1/4	2,584.26	1/4	2,282.88	1/4	1,981.62	1/4	1,681.88	1/4	1,382.54	1/4	1,083.89	1/4	791.28	1/4	493.26	1/4	190.20
1/2		1/2	3,172.36	1/2	2,879.28	1/2	2,577.98	1/2	2,276.60	1/2	1,975.34	1/2	1,675.67	1/2	1,376.26	1/2	1,077.60	1/2	785.23	1/2	486.97	1/2	183.92
3/4		3/4	3,167.64	3/4	2,873.04	3/4	2,571.70	3/4	2,270.32	3/4	1,969.06	3/4	1,669.47	3/4	1,369.97	3/4	1,071.32	3/4	779.18	3/4	480.68	3/4	177.64
1		1	3,162.92	1	2,866.80	1	2,565.42	1	2,264.04	1	1,962.77	1	1,663.26	1	1,363.69	1	1,065.03	1	773.13	1	474.39	1	171.36
1/4		1/4	3,158.19	1/4	2,860.56	1/4	2,559.14	1/4	2,257.76	1/4	1,956.49	1/4	1,657.06	1/4	1,357.41	1/4	1,058.75	1/4	767.08	1/4	468.10	1/4	165.08
1/2		1/2	3,152.42	1/2	2,854.28	1/2	2,552.86	1/2	2,251.48	1/2	1,950.21	1/2	1,650.85	1/2	1,351.25	1/2	1,052.46	1/2	761.04	1/2	461.81	1/2	158.76
3/4		3/4	3,146.65	3/4	2,848.00	3/4	2,546.58	3/4	2,245.19	3/4	1,943.93	3/4	1,644.65	3/4	1,345.08	3/4	1,046.18	3/4	754.99	3/4	455.53	3/4	152.45
2		2	3,140.87	2	2,841.72	2	2,540.31	2	2,238.91	2	1,937.65	2	1,638.44	2	1,338.92	2	1,039.89	2	748.94	2	449.24	2	146.13
1/4		1/4	3,135.10	1/4	2,835.44	1/4	2,534.03	1/4	2,232.63	1/4	1,931.36	1/4	1,632.24	1/4	1,332.76	1/4	1,033.61	1/4	742.89	1/4	442.95	1/4	139.81
1/2		1/2	3,128.86	1/2	2,829.16	1/2	2,527.75	1/2	2,226.36	1/2	1,925.08	1/2	1,626.03	1/2	1,326.59	1/2	1,027.52	1/2	736.85	1/2	436.66	1/2	133.47
3/4		3/4	3,122.62	3/4	2,822.88	3/4	2,521.47	3/4	2,220.09	3/4	1,918.80	3/4	1,619.82	3/4	1,320.43	3/4	1,021.44	3/4	730.80	3/4	430.37	3/4	127.12
3		3	3,116.38	3	2,816.60	3	2,515.19	3	2,213.81	3	1,912.52	3	1,613.62	3	1,314.27	3	1,015.36	3	724.75	3	424.09	3	120.78
1/4		1/4	3,110.14	1/4	2,810.32	1/4	2,508.91	1/4	2,207.54	1/4	1,906.24	1/4	1,607.41	1/4	1,308.10	1/4	1,009.28	1/4	718.70	1/4	417.80	1/4	114.44
1/2		1/2	3,103.90	1/2	2,804.04	1/2	2,502.63	1/2	2,201.27	1/2	1,899.95	1/2	1,601.22	1/2	1,301.95	1/2	1,003.20	1/2	712.65	1/2	411.51	1/2	108.11
3/4		3/4	3,097.66	3/4	2,797.76	3/4	2,496.35	3/4	2,194.99	3/4	1,893.67	3/4	1,595.02	3/4	1,295.80	3/4	997.12	3/4	706.60	3/4	405.23	3/4	101.78
4		4	3,091.42	4	2,791.49	4	2,490.07	4	2,188.72	4	1,887.39	4	1,588.82	4	1,289.65	4	991.04	4	700.55	4	398.94	4	95.45
1/4		1/4	3,085.18	1/4	2,785.21	1/4	2,483.79	1/4	2,182.44	1/4	1,881.11	1/4	1,582.63	1/4	1,283.50	1/4	984.96	1/4	694.50	1/4	392.65	1/4	89.12
1/2		1/2	3,078.94	1/2	2,778.93	1/2	2,477.51	1/2	2,176.17	1/2	1,874.83	1/2	1,576.44	1/2	1,277.35	1/2	978.90	1/2	688.21	1/2	386.30	1/2	82.80
3/4		3/4	3,072.70	3/4	2,772.65	3/4	2,471.23	3/4	2,169.90	3/4	1,868.54	3/4	1,570.25	3/4	1,271.20	3/4	972.84	3/4	681.92	3/4	379.94	3/4	76.48
5		5	3,066.46	5	2,766.37	5	2,464.95	5	2,163.62	5	1,862.26	5	1,564.07	5	1,265.05	5	966.78	5	675.63	5	373.59	5	70.16
1/4		1/4	3,060.22	1/4	2,760.09	1/4	2,458.67	1/4	2,157.35	1/4	1,855.98	1/4	1,557.88	1/4	1,258.90	1/4	960.72	1/4	669.35	1/4	367.24	1/4	63.84
1/2		1/2	3,053.98	1/2	2,753.81	1/2	2,452.39	1/2	2,151.08	1/2	1,849.75	1/2	1,551.67	1/2	1,252.73	1/2	954.66	1/2	663.06	1/2	360.88	1/2	57.55
3/4		3/4	3,047.74	3/4	2,747.53	3/4	2,446.11	3/4	2,144.80	3/4	1,843.53	3/4	1,545.47	3/4	1,246.57	3/4	948.60	3/4	656.77	3/4	354.53	3/4	51.27
6		6	3,041.51	6	2,741.25	6	2,439.83	6	2,138.53	6	1,837.30	6	1,539.26	6	1,240.41	6	942.54	6	650.48	6	348.18	6	44.98
1/4		1/4	3,035.27	1/4	2,734.97	1/4	2,433.55	1/4	2,132.25	1/4	1,831.07	1/4	1,533.05	1/4	1,234.24	1/4	936.48	1/4	644.19	1/4	341.82	1/4	38.69
1/2		1/2	3,029.03	1/2	2,728.69	1/2	2,427.27	1/2	2,125.98	1/2	1,824.84	1/2	1,526.83	1/2	1,228.08	1/2	930.43	1/2	637.90	1/2	335.47	1/2	33.41
3/4		3/4	3,022.79	3/4	2,722.41	3/4	2,420.99	3/4	2,119.71	3/4	1,818.62	3/4	1,520.62	3/4	1,221.92	3/4	924.38	3/4	631.61	3/4	329.11	3/4	28.13
7		7	3,016.55	7	2,716.13	7	2,414.72	7	2,113.43	7	1,812.39	7	1,514.40	7	1,215.75	7	918.32	7	625.32	7	322.76	7	22.85
1/4		1/4	3,010.31	1/4	2,709.85	1/4	2,408.44	1/4	2,107.16	1/4	1,806.16	1/4	1,508.18	1/4	1,209.59	1/4	912.27	1/4	619.03	1/4	316.40	1/4	17.57
1/2		1/2	3,004.07	1/2	2,703.57	1/2	2,402.16	1/2	2,100.89	1/2	1,799.94	1/2	1,501.90	1/2	1,203.31	1/2	906.22	1/2	612.75	1/2	310.06	1/2	
3/4		3/4	2,997.83	3/4	2,697.29	3/4	2,395.89	3/4	2,094.61	3/4	1,793.71	3/4	1,495.62	3/4	1,197.02	3/4	900.17	3/4	606.46	3/4	303.71	3/4	
8		8	2,991.59	8	2,691.01	8	2,389.61	8	2,088.34	8	1,787.48	8	1,489.33	8	1,190.74	8	894.12	8	600.17	8	297.37	8	
1/4		1/4	2,985.35	1/4	2,684.73	1/4	2,383.34	1/4	2,082.07	1/4	1,781.26	1/4	1,483.05	1/4	1,184.45	1/4	888.07	1/4	593.88	1/4	291.02	1/4	
1/2		1/2	2,979.11	1/2	2,678.45	1/2	2,377.07	1/2	2,075.79	1/2	1,775.03	1/2	1,476.77	1/2	1,178.17	1/2	882.01	1/2	587.59	1/2	284.67	1/2	
3/4		3/4	2,972.87	3/4	2,672.17	3/4	2,370.79	3/4	2,069.52	3/4	1,768.80	3/4	1,470.49	3/4	1,171.88	3/4	875.96	3/4	581.30	3/4	278.31	3/4	
9		9	2,966.63	9	2,665.90	9	2,364.52	9	2,063.24	9	1,762.57	9	1,464.21	9	1,165.59	9	869.91	9	575.01	9	271.96	9	
1/4		1/4	2,960.39	1/4	2,659.62	1/4	2,358.24	1/4	2,056.97	1/4	1,756.35	1/4	1,457.92	1/4	1,159.31	1/4	863.86	1/4	568.72	1/4	265.60	1/4	
1/2		1/2	2,954.15	1/2	2,653.34	1/2	2,351.96	1/2	2,050.70	1/2	1,750.14	1/2	1,451.64	1/2	1,153.02	1/2	857.81	1/2	562.43	1/2	259.31	1/2	
3/4		3/4	2,947.91	3/4	2,647.06	3/4	2,345.68	3/4	2,044.42	3/4	1,743.94	3/4	1,445.36	3/4	1,146.74	3/4	851.76	3/4	556.15	3/4	253.02	3/4	
10		10	2,941.67	10	2,640.78	10	2,339.40	10	2,038.15	10	1,737.73	10	1,439.08	10	1,140.45	10	845.71	10	549.86	10	246.73	10	
1/4		1/4	2,935.43	1/4	2,634.50	1/4	2,333.12	1/4	2,031.88	1/4	1,731.53	1/4	1,432.79	1/4	1,134.17	1/4	839.66	1/4	543.57	1/4	240.44	1/4	
1/2		1/2	2,929.19	1/2	2,628.22	1/2	2,326.84	1/2	2,025.59	1/2	1,725.32	1/2	1,426.51	1/2	1,127.88	1/2	833.61	1/2	537.28	1/2	234.16	1/2	
3/4		3/4	2,922.95	3/4	2,621.94	3/4	2,320.56	3/4	2,019.31	3/4	1,719.11	3/4	1,420.23	3/4	1,121.60	3/4	827.56	3/4	530.99	3/4	227.88	3/4	
11		11	2,916.72	11	2,615.66	11	2,314.28	11	2,013.03	11	1,712.91	11	1,413.95	11	1,115.31	11	821.51	11	524.70	11	221.60	11	
1/4		1/4	2,910.48	1/4	2,609.38	1/4	2,308.00	1/4	2,006.75	1/4	1,706.70	1/4	1,407.67	1/4	1,109.03	1/4	815.47	1/4	518.41	1/4	215.32	1/4	
1/2		1/2	2,904.24	1/2	2,603.10	1/2	2,301.72	1/2	2,000.47	1/2	1,700.50	1/2	1,401.38	1/2	1,102.74	1/2	809.42	1/2	512.12	1/2	209.04	1/2	
3/4		3/4	2,898.00	3/4	2,596.82	3/4	2,295.44	3/4	1,994.18	3/4	1,694.29	3/4	1,395.10	3/4	1,096.46	3/4	803.37	3/4	505.83	3/4	202.76	3/4	

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BARGE "MM 97B" MAGNOLIA BARGE

4 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 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.	IN	10 FT.	IN	11 FT.
0		0	3,173.37	0	2,886.18	0	2,587.21	0	2,288.06	0	1,989.04	0	1,691.35	0	1,394.13	0	1,097.52	0	798.77	0	499.55	0	196.48
1/4		1/4	3,169.70	1/4	2,879.99	1/4	2,580.97	1/4	2,281.82	1/4	1,982.80	1/4	1,685.19	1/4	1,387.89	1/4	1,091.28	1/4	792.56	1/4	493.26	1/4	190.20
1/2		1/2	3,164.97	1/2	2,873.80	1/2	2,574.74	1/2	2,275.59	1/2	1,976.57	1/2	1,679.03	1/2	1,381.65	1/2	1,085.04	1/2	786.35	1/2	486.97	1/2	183.92
3/4		3/4	3,160.25	3/4	2,867.61	3/4	2,568.51	3/4	2,269.36	3/4	1,970.33	3/4	1,672.86	3/4	1,375.41	3/4	1,078.79	3/4	780.14	3/4	480.68	3/4	177.64
1		1	3,155.53	1	2,861.41	1	2,562.27	1	2,263.12	1	1,964.10	1	1,666.70	1	1,369.17	1	1,072.55	1	773.93	1	474.39	1	171.36
1/4		1/4	3,150.80	1/4	2,855.22	1/4	2,556.04	1/4	2,256.89	1/4	1,957.86	1/4	1,660.54	1/4	1,362.93	1/4	1,066.31	1/4	767.72	1/4	468.10	1/4	165.09
1/2		1/2	3,145.03	1/2	2,848.99	1/2	2,549.81	1/2	2,250.65	1/2	1,951.63	1/2	1,654.37	1/2	1,356.81	1/2	1,060.07	1/2	761.51	1/2	461.82	1/2	158.77
3/4		3/4	3,139.26	3/4	2,842.75	3/4	2,543.57	3/4	2,244.42	3/4	1,945.39	3/4	1,648.21	3/4	1,350.69	3/4	1,053.82	3/4	755.30	3/4	455.53	3/4	152.45
2		2	3,133.48	2	2,836.52	2	2,537.34	2	2,238.19	2	1,939.15	2	1,642.05	2	1,344.57	2	1,047.58	2	749.09	2	449.24	2	146.13
1/4		1/4	3,127.71	1/4	2,830.29	1/4	2,531.11	1/4	2,231.95	1/4	1,932.92	1/4	1,635.88	1/4	1,338.45	1/4	1,041.34	1/4	742.88	1/4	442.95	1/4	139.81
1/2		1/2	3,121.51	1/2	2,824.06	1/2	2,524.88	1/2	2,225.73	1/2	1,926.68	1/2	1,629.72	1/2	1,332.33	1/2	1,035.10	1/2	736.67	1/2	436.66	1/2	133.47
3/4		3/4	3,115.32	3/4	2,817.82	3/4	2,518.64	3/4	2,219.50	3/4	1,920.45	3/4	1,623.56	3/4	1,326.21	3/4	1,028.85	3/4	730.46	3/4	430.38	3/4	127.13
3		3	3,109.13	3	2,811.59	3	2,512.41	3	2,213.27	3	1,914.21	3	1,617.39	3	1,320.09	3	1,022.61	3	724.25	3	424.09	3	120.78
1/4		1/4	3,102.94	1/4	2,805.36	1/4	2,506.18	1/4	2,207.04	1/4	1,907.98	1/4	1,611.23	1/4	1,313.97	1/4	1,016.37	1/4	718.05	1/4	417.80	1/4	114.44
1/2		1/2	3,096.74	1/2	2,799.12	1/2	2,499.94	1/2	2,200.82	1/2	1,901.74	1/2	1,605.08	1/2	1,307.86	1/2	1,010.13	1/2	711.83	1/2	411.52	1/2	108.11
3/4		3/4	3,090.55	3/4	2,792.89	3/4	2,493.71	3/4	2,194.59	3/4	1,895.51	3/4	1,598.92	3/4	1,301.75	3/4	1,003.88	3/4	705.62	3/4	405.23	3/4	101.78
4		4	3,084.36	4	2,786.66	4	2,487.48	4	2,188.36	4	1,889.27	4	1,592.77	4	1,295.64	4	997.64	4	699.41	4	398.94	4	95.45
1/4		1/4	3,078.16	1/4	2,780.42	1/4	2,481.25	1/4	2,182.14	1/4	1,883.04	1/4	1,586.62	1/4	1,289.53	1/4	991.40	1/4	693.20	1/4	392.65	1/4	89.12
1/2		1/2	3,071.97	1/2	2,774.19	1/2	2,475.01	1/2	2,175.91	1/2	1,876.80	1/2	1,580.47	1/2	1,283.42	1/2	985.18	1/2	686.96	1/2	386.30	1/2	82.80
3/4		3/4	3,065.78	3/4	2,767.96	3/4	2,468.78	3/4	2,169.68	3/4	1,870.57	3/4	1,574.33	3/4	1,277.32	3/4	978.96	3/4	680.72	3/4	379.95	3/4	76.48
5		5	3,059.59	5	2,761.73	5	2,462.55	5	2,163.45	5	1,864.33	5	1,568.18	5	1,271.21	5	972.74	5	674.47	5	373.59	5	70.16
1/4		1/4	3,053.39	1/4	2,755.49	1/4	2,456.31	1/4	2,157.23	1/4	1,858.09	1/4	1,562.04	1/4	1,265.10	1/4	966.51	1/4	668.23	1/4	367.24	1/4	63.84
1/2		1/2	3,047.20	1/2	2,749.26	1/2	2,450.08	1/2	2,151.00	1/2	1,851.91	1/2	1,555.87	1/2	1,258.98	1/2	960.29	1/2	661.99	1/2	360.89	1/2	57.55
3/4		3/4	3,041.01	3/4	2,743.03	3/4	2,443.85	3/4	2,144.77	3/4	1,845.73	3/4	1,549.71	3/4	1,252.86	3/4	954.07	3/4	655.75	3/4	354.53	3/4	51.27
6		6	3,034.81	6	2,736.79	6	2,437.62	6	2,138.55	6	1,839.54	6	1,543.54	6	1,246.74	6	947.85	6	649.50	6	348.18	6	44.98
1/4		1/4	3,028.62	1/4	2,730.56	1/4	2,431.38	1/4	2,132.32	1/4	1,833.36	1/4	1,537.38	1/4	1,240.62	1/4	941.63	1/4	643.26	1/4	341.82	1/4	38.70
1/2		1/2	3,022.43	1/2	2,724.33	1/2	2,425.15	1/2	2,126.09	1/2	1,827.17	1/2	1,531.20	1/2	1,234.49	1/2	935.42	1/2	637.02	1/2	335.47	1/2	33.42
3/4		3/4	3,016.24	3/4	2,718.10	3/4	2,418.92	3/4	2,119.87	3/4	1,820.99	3/4	1,525.03	3/4	1,228.37	3/4	929.21	3/4	630.78	3/4	329.11	3/4	28.14
7		7	3,010.04	7	2,711.86	7	2,412.68	7	2,113.64	7	1,814.80	7	1,518.85	7	1,222.25	7	922.99	7	624.53	7	322.76	7	22.86
1/4		1/4	3,003.85	1/4	2,705.63	1/4	2,406.45	1/4	2,107.41	1/4	1,808.62	1/4	1,512.68	1/4	1,216.13	1/4	916.78	1/4	618.29	1/4	316.40	1/4	17.57
1/2		1/2	2,997.66	1/2	2,699.40	1/2	2,400.22	1/2	2,101.18	1/2	1,802.44	1/2	1,506.44	1/2	1,209.89	1/2	910.57	1/2	612.05	1/2	310.06	1/2	11.11
3/4		3/4	2,991.46	3/4	2,693.16	3/4	2,394.00	3/4	2,094.96	3/4	1,796.25	3/4	1,500.20	3/4	1,203.65	3/4	904.35	3/4	605.81	3/4	303.72	3/4	6.11
8		8	2,985.27	8	2,686.93	8	2,387.77	8	2,088.73	8	1,790.07	8	1,493.96	8	1,197.40	8	898.14	8	599.57	8	297.37	8	1.11
1/4		1/4	2,979.08	1/4	2,680.70	1/4	2,381.54	1/4	2,082.50	1/4	1,783.88	1/4	1,487.72	1/4	1,191.16	1/4	891.93	1/4	593.32	1/4	291.03	1/4	0.11
1/2		1/2	2,972.88	1/2	2,674.47	1/2	2,375.31	1/2	2,076.28	1/2	1,777.70	1/2	1,481.48	1/2	1,184.92	1/2	885.71	1/2	587.08	1/2	284.67	1/2	0.11
3/4		3/4	2,966.69	3/4	2,668.23	3/4	2,369.09	3/4	2,070.05	3/4	1,771.51	3/4	1,475.24	3/4	1,178.68	3/4	879.50	3/4	580.84	3/4	278.31	3/4	0.11
9		9	2,960.50	9	2,662.00	9	2,362.86	9	2,063.82	9	1,765.33	9	1,469.00	9	1,172.43	9	873.29	9	574.60	9	271.96	9	0.11
1/4		1/4	2,954.31	1/4	2,655.77	1/4	2,356.63	1/4	2,057.59	1/4	1,759.15	1/4	1,462.76	1/4	1,166.19	1/4	867.07	1/4	568.35	1/4	265.60	1/4	0.11
1/2		1/2	2,948.11	1/2	2,649.53	1/2	2,350.40	1/2	2,051.37	1/2	1,752.98	1/2	1,456.52	1/2	1,159.95	1/2	860.86	1/2	562.11	1/2	259.31	1/2	0.11
3/4		3/4	2,941.92	3/4	2,643.30	3/4	2,344.16	3/4	2,045.14	3/4	1,746.82	3/4	1,450.28	3/4	1,153.71	3/4	854.65	3/4	555.87	3/4	253.02	3/4	0.11
10		10	2,935.73	10	2,637.07	10	2,337.93	10	2,038.91	10	1,740.66	10	1,444.04	10	1,147.46	10	848.44	10	549.63	10	246.73	10	0.11
1/4		1/4	2,929.53	1/4	2,630.84	1/4	2,331.70	1/4	2,032.69	1/4	1,734.49	1/4	1,437.80	1/4	1,141.22	1/4	842.23	1/4	543.38	1/4	240.44	1/4	0.11
1/2		1/2	2,923.34	1/2	2,624.60	1/2	2,325.46	1/2	2,026.45	1/2	1,728.33	1/2	1,431.57	1/2	1,134.98	1/2	836.02	1/2	537.14	1/2	234.16	1/2	0.11
3/4		3/4	2,917.15	3/4	2,618.37	3/4	2,319.23	3/4	2,020.21	3/4	1,722.17	3/4	1,425.33	3/4	1,128.73	3/4	829.81	3/4	530.90	3/4	227.88	3/4	0.11
11		11	2,910.96	11	2,612.14	11	2,312.99	11	2,013.98	11	1,716.00	11	1,419.09	11	1,122.49	11	823.60	11	524.66	11	221.60	11	0.11
1/4		1/4	2,904.76	1/4	2,605.90	1/4	2,306.76	1/4	2,007.74	1/4	1,709.84	1/4	1,412.85	1/4	1,116.25	1/4	817.39	1/4	518.42	1/4	215.32	1/4	0.11
1/2		1/2	2,898.57	1/2	2,599.67	1/2	2,300.53	1/2	2,001.51	1/2	1,703.68	1/2	1,406.61	1/2	1,110.01	1/2	811.18	1/2	512.13	1/2	209.04	1/2	0.11
3/4		3/4	2,892.38	3/4	2,593.44	3/4	2,294.29	3/4	1,995.27	3/4	1,697.51	3/4	1,400.37	3/4	1,103.76	3/4	804.97	3/4	505.84	3/4	202.76	3/4	0.11

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 47'-06" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 49'-06" FORWARD OF AFT BULKHEAD.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2013

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