BARGE "MM 82"

INNAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
3 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
3 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
4 PORT	- 00-3/4	00-3/4	- 01-1/2	01-1/2	- 02-1/4	02-1/4	- 03-0/8	03-0/8	- 03-3/4	03-3/4	- 04-1/2	04-1/2
4 STBD	- 00-3/4	00-3/4	- 01-1/2	01-1/2	- 02-1/4	02-1/4	- 03-0/8	03-0/8	- 03-3/4	03-3/4	- 04-1/2	04-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/8"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8'

LENGTH BETWEEN DRAFT MARKS: 237'-00"

April 14, 2014

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

http://www.pmacorp.net

BARGE "MM 82"

INNAGE (8" HATCH)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 00-7/8	00-7/8
3 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 00-7/8	00-7/8
4 PORT	- 00-7/8	00-7/8	- 01-3/4	01-3/4	- 02-5/8	02-5/8	- 03-3/8	03-3/8	- 04-1/4	04-1/4	- 05-1/8	05-1/8
4 STBD	- 00-7/8	00-7/8	- 01-3/4	01-3/4	- 02-5/8	02-5/8	- 03-3/8	03-3/8	- 04-1/4	04-1/4	- 05-1/8	05-1/8

(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 2 PORT IS 00-1/8"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8'

LENGTH BETWEEN DRAFT MARKS: 237'-00"

April 14, 2014

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

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BARGE "MM 82"
MAGNOLIA BARGE

1 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08"

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.
0	14.88	0	199.47	0	437.74	0	689.35	0	942.38	0	1,195.49	0	1,449.36	0	1,703.29	0	1,957.18	0	2,211.07	0	2,463.99
1/4	17.51	1/4	203.86	1/4	443.03	1/4	694.58	1/4	947.64	1/4	1,200.78	1/4	1,454.65	1/4	1,708.58	1/4	1,962.47	1/4	2,216.36	1/4	2,469.24
1/2	20.13	1/2	208.25	1/2	448.32	1/2	699.81	1/2	952.90	1/2	1,206.07	1/2	1,459.94	1/2	1,713.87	1/2	1,967.76	1/2	2,221.64	1/2	2,474.49
3/4	22.75	3/4	212.65	3/4	453.61	3/4	705.04	3/4	958.15	3/4	1,211.36	3/4	1,465.23	3/4	1,719.16	3/4	1,973.05	3/4	2,226.93	3/4	2,479.74
1	25.37	1	217.04	1	458.91	1	710.27	1	963.41	1	1,216.66	1	1,470.52	1	1,724.45	1	1,978.34	1	2,232.22	1	2,484.99
1/4	28.79	1/4	221.51	1/4	464.20	1/4	715.50	1/4	968.67	1/4	1,221.95	1/4	1,475.81	1/4	1,729.74	1/4	1,983.63	1/4	2,237.51	1/4	2,490.24
1/2	32.21	1/2	225.99	1/2	469.49	1/2	720.74	1/2	973.93	1/2	1,227.24	1/2	1,481.10	1/2	1,735.03	1/2	1,988.92	1/2	2,242.80	1/2	2,495.49
3/4	35.63	3/4	230.46	3/4	474.78	3/4	725.98	3/4	979.18	3/4	1,232.53	3/4	1,486.39	3/4	1,740.32	3/4	1,994.20	3/4	2,248.09	3/4	2,500.74
2	39.05	2	234.94	2	480.07	2	731.21	2	984.44	2	1,237.82	2	1,491.68	2	1,745.61	2	1,999.49	2	2,253.38	2	2,505.99
1/4	42.59	1/4	239.50	1/4	485.36	1/4	736.45	1/4	989.69	1/4	1,243.10	1/4	1,496.97	1/4	1,750.90	1/4	2,004.78	1/4	2,258.67	1/4	2,511.24
1/2	46.12	1/2	244.05	1/2	490.65	1/2	741.68	1/2	994.95	1/2	1,248.38	1/2	1,502.26	1/2	1,756.19	1/2	2,010.07	1/2	2,263.96	1/2	2,516.49
3/4	49.65	3/4	248.61	3/4	495.95	3/4	746.92	3/4	1,000.20	3/4	1,253.66	3/4	1,507.55	3/4	1,761.48	3/4	2,015.36	3/4	2,269.25	3/4	2,521.74
3	53.18	3	253.17	3	501.24	3	752.15	3	1,005.45	3	1,258.94	3	1,512.84	3	1,766.77	3	2,020.65	3	2,274.54	3	2,526.99
1/4	56.80	1/4	258.01	1/4	506.46	1/4	757.41	1/4	1,010.70	1/4	1,264.22	1/4	1,518.13	1/4	1,772.06	1/4	2,025.94	1/4	2,279.83	1/4	2,532.24
1/2	60.42	1/2	262.85	1/2	511.69	1/2	762.67	1/2	1,015.96	1/2	1,269.50	1/2	1,523.42	1/2	1,777.35	1/2	2,031.23	1/2	2,285.12	1/2	2,537.49
3/4	64.04	3/4	267.69	3/4	516.92	3/4	767.93	3/4	1,021.21	3/4	1,274.79	3/4	1,528.71	3/4	1,782.64	3/4	2,036.52	3/4	2,290.41	3/4	2,542.74
4	67.66	4	272.52	4	522.14	4	773.18	4	1,026.46	4	1,280.07	4	1,534.00	4	1,787.94	4	2,041.81	4	2,295.69	4	2,547.99
1/4	71.37	1/4	277.45	1/4	527.37	1/4	778.44	1/4	1,031.72	1/4	1,285.36	1/4	1,539.29	1/4	1,793.23	1/4	2,047.10	1/4	2,300.98	1/4	2,553.23
1/2	75.09	1/2	282.37	1/2	532.59	1/2	783.70	1/2	1,036.98	1/2	1,290.65	1/2	1,544.58	1/2	1,798.52	1/2	2,052.39	1/2	2,306.27	1/2	2,558.48
3/4	78.80	3/4	287.29	3/4	537.81	3/4	788.96	3/4	1,042.23	3/4	1,295.94	3/4	1,549.87	3/4	1,803.81	3/4	2,057.68	3/4	2,311.56	3/4	2,563.73
5	82.51	5	292.21	5	543.04	5	794.21	5	1,047.49	5	1,301.23	5	1,555.16	5	1,809.10	5	2,062.97	5	2,316.85	5	2,568.98
1/4	86.42	1/4	297.21	1/4	548.26	1/4	799.51	1/4	1,052.75	1/4	1,306.52	1/4	1,560.45	1/4	1,814.39	1/4	2,068.25	1/4	2,322.14	1/4	2,573.83
1/2	90.32	1/2	302.22	1/2	553.49	1/2	804.80	1/2	1,058.00	1/2	1,311.81	1/2	1,565.74	1/2	1,819.68	1/2	2,073.54	1/2	2,327.43	1/2	2,578.68
3/4	94.22	3/4	307.22	3/4	558.71	3/4	810.09	3/4	1,063.26	3/4	1,317.10	3/4	1,571.03	3/4	1,824.97	3/4	2,078.83	3/4	2,332.72	3/4	2,583.53
6	98.12	6	312.23	6	563.93	6	815.38	6	1,068.52	6	1,322.39	6	1,576.32	6	1,830.26	6	2,084.12	6	2,338.01	6	2,588.38
1/4	102.20	1/4	317.31	1/4	569.16	1/4	820.67	1/4	1,073.81	1/4	1,327.68	1/4	1,581.61	1/4	1,835.55	1/4	2,089.41	1/4	2,343.26	1/4	2,592.35
1/2	106.28	1/2	322.40	1/2	574.38	1/2	825.97	1/2	1,079.10	1/2	1,332.97	1/2	1,586.90	1/2	1,840.84	1/2	2,094.70	1/2	2,348.51	1/2	2,596.32
3/4	110.36	3/4	327.48	3/4	579.61	3/4	831.26	3/4	1,084.39	3/4	1,338.26	3/4	1,592.19	3/4	1,846.13	3/4	2,099.99	3/4	2,353.76	3/4	2,600.29
7	114.44	7	332.57	7	584.83	7	836.55	7	1,089.68	7	1,343.55	7	1,597.48	7	1,851.42	7	2,105.28	7	2,359.01	7	2,604.25
1/4	118.60	1/4	337.74	1/4	590.06	1/4	841.84	1/4	1,094.97	1/4	1,348.84	1/4	1,602.77	1/4	1,856.71	1/4	2,110.57	1/4	2,364.26	1/4	2,607.34
1/2	122.76	1/2	342.91	1/2	595.28	1/2	847.13	1/2	1,100.26	1/2	1,354.13	1/2	1,608.07	1/2	1,862.00	1/2	2,115.86	1/2	2,369.51	1/2	
3/4	126.92	3/4	348.07	3/4	600.50	3/4	852.42	3/4	1,105.55	3/4	1,359.42	3/4	1,613.36	3/4	1,867.29	3/4	2,121.15	3/4	2,374.75	3/4	
8	131.08	8	353.24	8	605.73	8	857.72	8	1,110.84	8	1,364.71	8	1,618.65	8	1,872.58	8	2,126.44	8	2,380.00	8	
1/4	135.33	1/4	358.49	1/4	610.95	1/4	863.01	1/4	1,116.13	1/4	1,370.00	1/4	1,623.94	1/4	1,877.87	1/4	2,131.73	1/4	2,385.25	1/4	
1/2	139.57	1/2	363.74	1/2	616.18	1/2	868.30	1/2	1,121.42	1/2	1,375.29	1/2	1,629.23	1/2	1,883.16	1/2	2,137.02	1/2	2,390.50	1/2	
3/4	143.81	3/4	368.99	3/4	621.40	3/4	873.59	3/4	1,126.72	3/4	1,380.58	3/4	1,634.52	3/4	1,888.45	3/4	2,142.31	3/4	2,395.75	3/4	
9	148.06	9	374.24	9	626.63	9	878.88	9	1,132.01	9	1,385.87	9	1,639.81	9	1,893.74	9	2,147.59	9	2,401.00	9	
1/4	152.39	1/4	379.53	1/4	631.85	1/4	884.17	1/4	1,137.30	1/4	1,391.16	1/4	1,645.10	1/4	1,899.03	1/4	2,152.88	1/4	2,406.25	1/4	
1/2	156.73	1/2	384.83	1/2	637.08	1/2	889.47	1/2	1,142.59	1/2	1,396.45	1/2	1,650.39	1/2	1,904.32	1/2	2,158.17	1/2	2,411.50	1/2	
3/4	161.06	3/4	390.12	3/4	642.30	3/4	894.76	3/4	1,147.88	3/4	1,401.74	3/4	1,655.68	3/4	1,909.61	3/4	2,163.46	3/4	2,416.75	3/4	
10	165.40	10	395.41	10	647.53	10	900.05	10	1,153.17	10	1,407.03	10	1,660.97	10	1,914.90	10	2,168.75	10	2,422.00	10	
1/4	169.62	1/4	400.70	1/4	652.76	1/4	905.34	1/4	1,158.46	1/4	1,412.32	1/4	1,666.26	1/4	1,920.19	1/4	2,174.04	1/4	2,427.25	1/4	
1/2	173.83	1/2	405.99	1/2	657.99	1/2	910.63	1/2	1,163.75	1/2	1,417.61	1/2	1,671.55	1/2	1,925.47	1/2	2,179.33	1/2	2,432.50	1/2	
3/4	178.05	3/4	411.28	3/4	663.21	3/4	915.92	3/4	1,169.04	3/4	1,422.90	3/4	1,676.84	3/4	1,930.76	3/4	2,184.62	3/4	2,437.75	3/4	
11	182.27	11	416.57	11	668.44	11	921.22	11	1,174.33	11	1,428.19	11	1,682.13	11	1,936.05	11	2,189.91	11	2,443.00	11	
1/4	186.57	1/4	421.87	1/4	673.67	1/4	926.51	1/4	1,179.62	1/4	1,433.49	1/4	1,687.42	1/4	1,941.33	1/4	2,195.20	1/4	2,448.25	1/4	
1/2	190.87	1/2	427.16	1/2	678.90	1/2	931.80	1/2	1,184.91	1/2	1,438.78	1/2	1,692.71	1/2	1,946.61	1/2	2,200.49	1/2	2,453.50	1/2	
3/4	195.17	3/4	432.45	3/4	684.13	3/4	937.09	3/4	1,190.20	3/4	1,444.07	3/4	1,698.00	3/4	1,951.90	3/4	2,205.78	3/4	2,458.75	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 INNAGE GAUGES.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 30'-03" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 32'-03" FORWARD OF AFT BULKHEAD

STRAPPED: 04/14/2014 CL
CALCULATED: 04/14/2014 CL
PRINTED: 04/14/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "MM 82"
MAGNOLIA BARGE

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08"

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.
0	14.89	0	199.60	0	437.97	0	690.90	0	944.70	0	1,197.90	0	1,451.85	0	1,705.88	0	1,959.85	0	2,213.82	0	2,466.84
1/4	17.51	1/4	204.00	1/4	443.27	1/4	696.17	1/4	949.96	1/4	1,203.19	1/4	1,457.14	1/4	1,711.17	1/4	1,965.14	1/4	2,219.11	1/4	2,472.09
1/2	20.14	1/2	208.39	1/2	448.56	1/2	701.43	1/2	955.21	1/2	1,208.48	1/2	1,462.43	1/2	1,716.46	1/2	1,970.43	1/2	2,224.41	1/2	2,477.34
3/4	22.76	3/4	212.79	3/4	453.85	3/4	706.69	3/4	960.47	3/4	1,213.77	3/4	1,467.73	3/4	1,721.75	3/4	1,975.72	3/4	2,229.70	3/4	2,482.59
1	25.39	1	217.18	1	459.15	1	711.96	1	965.73	1	1,219.06	1	1,473.02	1	1,727.04	1	1,981.01	1	2,234.99	1	2,487.84
1/4	28.81	1/4	221.66	1/4	464.44	1/4	717.23	1/4	970.99	1/4	1,224.36	1/4	1,478.31	1/4	1,732.34	1/4	1,986.30	1/4	2,240.28	1/4	2,493.09
1/2	32.23	1/2	226.14	1/2	469.73	1/2	722.50	1/2	976.25	1/2	1,229.65	1/2	1,483.60	1/2	1,737.63	1/2	1,991.59	1/2	2,245.57	1/2	2,498.35
3/4	35.66	3/4	230.62	3/4	475.03	3/4	727.77	3/4	981.51	3/4	1,234.94	3/4	1,488.89	3/4	1,742.92	3/4	1,996.88	3/4	2,250.86	3/4	2,503.60
2	39.08	2	235.09	2	480.32	2	733.04	2	986.77	2	1,240.23	2	1,494.19	2	1,748.21	2	2,002.18	2	2,256.15	2	2,508.85
1/4	42.62	1/4	239.65	1/4	485.61	1/4	738.32	1/4	992.02	1/4	1,245.52	1/4	1,499.48	1/4	1,753.50	1/4	2,007.47	1/4	2,261.44	1/4	2,514.10
1/2	46.15	1/2	244.21	1/2	490.90	1/2	743.59	1/2	997.28	1/2	1,250.80	1/2	1,504.77	1/2	1,758.80	1/2	2,012.76	1/2	2,266.74	1/2	2,519.35
3/4	49.68	3/4	248.77	3/4	496.20	3/4	748.86	3/4	1,002.53	3/4	1,256.08	3/4	1,510.06	3/4	1,764.09	3/4	2,018.05	3/4	2,272.03	3/4	2,524.60
3	53.22	3	253.33	3	501.49	3	754.13	3	1,007.79	3	1,261.37	3	1,515.36	3	1,769.38	3	2,023.34	3	2,277.32	3	2,529.85
1/4	56.84	1/4	258.17	1/4	506.75	1/4	759.42	1/4	1,013.04	1/4	1,266.65	1/4	1,520.65	1/4	1,774.67	1/4	2,028.63	1/4	2,282.61	1/4	2,535.10
1/2	60.47	1/2	263.01	1/2	512.02	1/2	764.72	1/2	1,018.30	1/2	1,271.93	1/2	1,525.94	1/2	1,779.97	1/2	2,033.92	1/2	2,287.90	1/2	2,540.35
3/4	64.09	3/4	267.86	3/4	517.28	3/4	770.01	3/4	1,023.55	3/4	1,277.22	3/4	1,531.23	3/4	1,785.26	3/4	2,039.21	3/4	2,293.19	3/4	2,545.61
4	67.71	4	272.70	4	522.54	4	775.30	4	1,028.81	4	1,282.50	4	1,536.52	4	1,790.55	4	2,044.51	4	2,298.48	4	2,550.86
1/4	71.43	1/4	277.62	1/4	527.80	1/4	780.60	1/4	1,034.07	1/4	1,287.79	1/4	1,541.82	1/4	1,795.84	1/4	2,049.80	1/4	2,303.77	1/4	2,556.11
1/2	75.14	1/2	282.54	1/2	533.06	1/2	785.89	1/2	1,039.33	1/2	1,293.08	1/2	1,547.11	1/2	1,801.13	1/2	2,055.09	1/2	2,309.07	1/2	2,561.36
3/4	78.86	3/4	287.47	3/4	538.32	3/4	791.19	3/4	1,044.58	3/4	1,298.38	3/4	1,552.40	3/4	1,806.43	3/4	2,060.38	3/4	2,314.36	3/4	2,566.61
5	82.58	5	292.39	5	543.58	5	796.48	5	1,049.84	5	1,303.67	5	1,557.69	5	1,811.72	5	2,065.67	5	2,319.65	5	2,571.86
1/4	86.48	1/4	297.40	1/4	548.84	1/4	801.77	1/4	1,055.10	1/4	1,308.96	1/4	1,562.99	1/4	1,817.01	1/4	2,070.96	1/4	2,324.94	1/4	2,576.71
1/2	90.39	1/2	302.40	1/2	554.10	1/2	807.07	1/2	1,060.36	1/2	1,314.25	1/2	1,568.28	1/2	1,822.30	1/2	2,076.25	1/2	2,330.23	1/2	2,581.56
3/4	94.29	3/4	307.41	3/4	559.36	3/4	812.36	3/4	1,065.62	3/4	1,319.54	3/4	1,573.57	3/4	1,827.60	3/4	2,081.54	3/4	2,335.52	3/4	2,586.41
6	98.20	6	312.41	6	564.62	6	817.65	6	1,070.88	6	1,324.84	6	1,578.86	6	1,832.89	6	2,086.83	6	2,340.81	6	2,591.26
1/4	102.28	1/4	317.50	1/4	569.88	1/4	822.95	1/4	1,076.17	1/4	1,330.13	1/4	1,584.15	1/4	1,838.18	1/4	2,092.13	1/4	2,346.06	1/4	2,595.23
1/2	106.36	1/2	322.59	1/2	575.14	1/2	828.24	1/2	1,081.46	1/2	1,335.42	1/2	1,589.45	1/2	1,843.47	1/2	2,097.42	1/2	2,351.31	1/2	2,599.20
3/4	110.44	3/4	327.68	3/4	580.40	3/4	833.53	3/4	1,086.75	3/4	1,340.71	3/4	1,594.74	3/4	1,848.76	3/4	2,102.71	3/4	2,356.57	3/4	2,603.17
7	114.52	7	332.77	7	585.66	7	838.83	7	1,092.05	7	1,346.01	7	1,600.03	7	1,854.06	7	2,108.00	7	2,361.82	7	2,607.14
1/4	118.69	1/4	337.94	1/4	590.92	1/4	844.12	1/4	1,097.34	1/4	1,351.30	1/4	1,605.32	1/4	1,859.35	1/4	2,113.29	1/4	2,367.07	1/4	2,610.22
1/2	122.85	1/2	343.11	1/2	596.18	1/2	849.41	1/2	1,102.63	1/2	1,356.59	1/2	1,610.62	1/2	1,864.64	1/2	2,118.58	1/2	2,372.32	1/2	
3/4	127.01	3/4	348.28	3/4	601.44	3/4	854.71	3/4	1,107.92	3/4	1,361.88	3/4	1,615.91	3/4	1,869.93	3/4	2,123.87	3/4	2,377.57	3/4	
8	131.18	8	353.45	8	606.70	8	860.00	8	1,113.22	8	1,367.17	8	1,621.20	8	1,875.23	8	2,129.16	8	2,382.82	8	
1/4	135.42	1/4	358.70	1/4	611.96	1/4	865.29	1/4	1,118.51	1/4	1,372.47	1/4	1,626.49	1/4	1,880.52	1/4	2,134.46	1/4	2,388.07	1/4	
1/2	139.67	1/2	363.95	1/2	617.22	1/2	870.59	1/2	1,123.80	1/2	1,377.76	1/2	1,631.78	1/2	1,885.81	1/2	2,139.75	1/2	2,393.32	1/2	
3/4	143.91	3/4	369.20	3/4	622.48	3/4	875.88	3/4	1,129.09	3/4	1,383.05	3/4	1,637.08	3/4	1,891.10	3/4	2,145.04	3/4	2,398.57	3/4	
9	148.16	9	374.45	9	627.74	9	881.17	9	1,134.39	9	1,388.34	9	1,642.37	9	1,896.39	9	2,150.33	9	2,403.83	9	
1/4	152.50	1/4	379.75	1/4	633.00	1/4	886.47	1/4	1,139.68	1/4	1,393.64	1/4	1,647.66	1/4	1,901.69	1/4	2,155.62	1/4	2,409.08	1/4	
1/2	156.84	1/2	385.04	1/2	638.26	1/2	891.76	1/2	1,144.97	1/2	1,398.93	1/2	1,652.95	1/2	1,906.98	1/2	2,160.91	1/2	2,414.33	1/2	
3/4	161.17	3/4	390.33	3/4	643.53	3/4	897.06	3/4	1,150.26	3/4	1,404.22	3/4	1,658.25	3/4	1,912.27	3/4	2,166.20	3/4	2,419.58	3/4	
10	165.51	10	395.63	10	648.79	10	902.35	10	1,155.56	10	1,409.51	10	1,663.54	10	1,917.56	10	2,171.49	10	2,424.83	10	
1/4	169.73	1/4	400.92	1/4	654.05	1/4	907.64	1/4	1,160.85	1/4	1,414.80	1/4	1,668.83	1/4	1,922.85	1/4	2,176.79	1/4	2,430.08	1/4	
1/2	173.95	1/2	406.21	1/2	659.32	1/2	912.94	1/2	1,166.14	1/2	1,420.10	1/2	1,674.12	1/2	1,928.13	1/2	2,182.08	1/2	2,435.33	1/2	
3/4	178.17	3/4	411.51	3/4	664.58	3/4	918.23	3/4	1,171.43	3/4	1,425.39	3/4	1,679.41	3/4	1,933.42	3/4	2,187.37	3/4	2,440.58	3/4	
11	182.39	11	416.80	11	669.85	11	923.52	11	1,176.73	11	1,430.68	11	1,684.71	11	1,938.70	11	2,192.66	11	2,445.83	11	
1/4	186.70	1/4	422.09	1/4	675.11	1/4	928.82	1/4	1,182.02	1/4	1,435.97	1/4	1,690.00	1/4	1,943.99	1/4	2,197.95	1/4	2,451.09	1/4	
1/2	191.00	1/2	427.39	1/2	680.37	1/2	934.11	1/2	1,187.31	1/2	1,441.27	1/2	1,695.29	1/2	1,949.27	1/2	2,203.24	1/2	2,456.34	1/2	
3/4	195.30	3/4	432.68	3/4	685.64	3/4	939.40	3/4	1,192.60	3/4	1,446.56	3/4	1,700.58	3/4	1,954.56	3/4	2,208.53	3/4	2,461.59	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 INNAGE GAUGES.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 30'-03" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 32'-03" FORWARD OF AFT BULKHEAD

STRAPPED: 04/14/2014 CL
CALCULATED: 04/14/2014 CL
PRINTED: 04/14/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

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

BARGE "MM 82"
MAGNOLIA BARGE

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08"

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.
0	16.17	0	282.29	0	556.89	0	823.26	0	1,094.81	0	1,368.78	0	1,645.87	0	1,923.03	0	2,200.13	0	2,477.24	0	2,753.39
1/4	20.87	1/4	287.85	1/4	562.66	1/4	828.73	1/4	1,100.45	1/4	1,374.56	1/4	1,651.64	1/4	1,928.80	1/4	2,205.91	1/4	2,483.01	1/4	2,759.12
1/2	25.57	1/2	293.40	1/2	568.44	1/2	834.21	1/2	1,106.09	1/2	1,380.33	1/2	1,657.42	1/2	1,934.58	1/2	2,211.68	1/2	2,488.79	1/2	2,764.86
3/4	30.28	3/4	298.96	3/4	574.21	3/4	839.69	3/4	1,111.73	3/4	1,386.11	3/4	1,663.19	3/4	1,940.35	3/4	2,217.45	3/4	2,494.56	3/4	2,770.59
1	34.98	1	304.52	1	579.99	1	845.17	1	1,117.38	1	1,391.88	1	1,668.97	1	1,946.12	1	2,223.22	1	2,500.33	1	2,776.32
1/4	40.46	1/4	310.08	1/4	585.76	1/4	850.65	1/4	1,123.02	1/4	1,397.66	1/4	1,674.74	1/4	1,951.90	1/4	2,229.00	1/4	2,506.11	1/4	2,782.06
1/2	45.94	1/2	315.63	1/2	591.54	1/2	856.13	1/2	1,128.66	1/2	1,403.43	1/2	1,680.51	1/2	1,957.67	1/2	2,234.77	1/2	2,511.88	1/2	2,787.79
3/4	51.43	3/4	321.19	3/4	597.31	3/4	861.62	3/4	1,134.30	3/4	1,409.20	3/4	1,686.29	3/4	1,963.45	3/4	2,240.54	3/4	2,517.65	3/4	2,793.52
2	56.91	2	326.75	2	603.09	2	867.10	2	1,139.95	2	1,414.98	2	1,692.06	2	1,969.22	2	2,246.32	2	2,523.43	2	2,799.25
1/4	62.42	1/4	332.31	1/4	608.86	1/4	872.59	1/4	1,145.59	1/4	1,420.74	1/4	1,697.84	1/4	1,974.99	1/4	2,252.09	1/4	2,529.20	1/4	2,804.99
1/2	67.94	1/2	337.86	1/2	614.64	1/2	878.07	1/2	1,151.23	1/2	1,426.51	1/2	1,703.61	1/2	1,980.77	1/2	2,257.86	1/2	2,534.97	1/2	2,810.72
3/4	73.45	3/4	343.42	3/4	620.41	3/4	883.56	3/4	1,156.86	3/4	1,432.27	3/4	1,709.39	3/4	1,986.54	3/4	2,263.64	3/4	2,540.74	3/4	2,816.45
3	78.97	3	348.98	3	626.19	3	889.04	3	1,162.50	3	1,438.04	3	1,715.16	3	1,992.32	3	2,269.41	3	2,546.52	3	2,822.19
1/4	84.49	1/4	354.75	1/4	631.66	1/4	894.55	1/4	1,168.14	1/4	1,443.80	1/4	1,720.93	1/4	1,998.09	1/4	2,275.18	1/4	2,552.29	1/4	2,827.92
1/2	90.02	1/2	360.53	1/2	637.14	1/2	900.05	1/2	1,173.78	1/2	1,449.57	1/2	1,726.71	1/2	2,003.86	1/2	2,280.96	1/2	2,558.06	1/2	2,833.65
3/4	95.54	3/4	366.30	3/4	642.61	3/4	905.56	3/4	1,179.42	3/4	1,455.33	3/4	1,732.48	3/4	2,009.64	3/4	2,286.73	3/4	2,563.84	3/4	2,839.39
4	101.06	4	372.08	4	648.09	4	911.07	4	1,185.06	4	1,461.10	4	1,738.26	4	2,015.41	4	2,292.50	4	2,569.61	4	2,845.12
1/4	106.60	1/4	377.86	1/4	653.56	1/4	916.57	1/4	1,190.70	1/4	1,466.87	1/4	1,744.03	1/4	2,021.19	1/4	2,298.27	1/4	2,575.38	1/4	2,850.85
1/2	112.13	1/2	383.63	1/2	659.03	1/2	922.08	1/2	1,196.34	1/2	1,472.65	1/2	1,749.80	1/2	2,026.96	1/2	2,304.05	1/2	2,581.16	1/2	2,856.59
3/4	117.66	3/4	389.41	3/4	664.50	3/4	927.59	3/4	1,201.99	3/4	1,478.42	3/4	1,755.58	3/4	2,032.73	3/4	2,309.82	3/4	2,586.93	3/4	2,862.32
5	123.20	5	395.18	5	669.98	5	933.09	5	1,207.63	5	1,484.20	5	1,761.35	5	2,038.51	5	2,315.59	5	2,592.70	5	2,868.05
1/4	128.85	1/4	400.96	1/4	675.45	1/4	938.87	1/4	1,213.27	1/4	1,489.97	1/4	1,767.13	1/4	2,044.28	1/4	2,321.37	1/4	2,598.48	1/4	2,873.34
1/2	134.50	1/2	406.73	1/2	680.92	1/2	944.64	1/2	1,218.92	1/2	1,495.74	1/2	1,772.90	1/2	2,050.06	1/2	2,327.14	1/2	2,604.25	1/2	2,878.64
3/4	140.15	3/4	412.51	3/4	686.40	3/4	950.42	3/4	1,224.56	3/4	1,501.52	3/4	1,778.67	3/4	2,055.83	3/4	2,332.91	3/4	2,610.02	3/4	2,883.93
6	145.80	6	418.28	6	691.87	6	956.19	6	1,230.20	6	1,507.29	6	1,784.45	6	2,061.61	6	2,338.69	6	2,615.80	6	2,889.22
1/4	151.56	1/4	424.06	1/4	697.34	1/4	961.97	1/4	1,235.97	1/4	1,513.07	1/4	1,790.22	1/4	2,067.38	1/4	2,344.46	1/4	2,621.53	1/4	2,893.55
1/2	157.31	1/2	429.83	1/2	702.81	1/2	967.75	1/2	1,241.75	1/2	1,518.84	1/2	1,796.00	1/2	2,073.15	1/2	2,350.23	1/2	2,627.26	1/2	2,897.88
3/4	163.07	3/4	435.61	3/4	708.29	3/4	973.52	3/4	1,247.52	3/4	1,524.61	3/4	1,801.77	3/4	2,078.93	3/4	2,356.01	3/4	2,632.99	3/4	2,902.21
7	168.82	7	441.38	7	713.76	7	979.30	7	1,253.30	7	1,530.39	7	1,807.54	7	2,084.70	7	2,361.78	7	2,638.73	7	2,906.54
1/4	174.58	1/4	447.16	1/4	719.23	1/4	985.07	1/4	1,259.07	1/4	1,536.16	1/4	1,813.32	1/4	2,090.48	1/4	2,367.55	1/4	2,644.46	1/4	2,909.91
1/2	180.33	1/2	452.93	1/2	724.71	1/2	990.85	1/2	1,264.85	1/2	1,541.94	1/2	1,819.09	1/2	2,096.25	1/2	2,373.33	1/2	2,650.19	1/2	
3/4	186.08	3/4	458.71	3/4	730.18	3/4	996.62	3/4	1,270.62	3/4	1,547.71	3/4	1,824.87	3/4	2,102.02	3/4	2,379.10	3/4	2,655.93	3/4	
8	191.84	8	464.48	8	735.65	8	1,002.40	8	1,276.39	8	1,553.48	8	1,830.64	8	2,107.80	8	2,384.87	8	2,661.66	8	
1/4	197.59	1/4	470.26	1/4	741.12	1/4	1,008.17	1/4	1,282.17	1/4	1,559.26	1/4	1,836.42	1/4	2,113.57	1/4	2,390.64	1/4	2,667.39	1/4	
1/2	203.35	1/2	476.03	1/2	746.60	1/2	1,013.95	1/2	1,287.94	1/2	1,565.03	1/2	1,842.19	1/2	2,119.35	1/2	2,396.42	1/2	2,673.13	1/2	
3/4	209.10	3/4	481.81	3/4	752.07	3/4	1,019.72	3/4	1,293.72	3/4	1,570.81	3/4	1,847.96	3/4	2,125.12	3/4	2,402.19	3/4	2,678.86	3/4	
9	214.86	9	487.58	9	757.54	9	1,025.50	9	1,299.49	9	1,576.58	9	1,853.74	9	2,130.89	9	2,407.96	9	2,684.59	9	
1/4	220.62	1/4	493.36	1/4	763.02	1/4	1,031.28	1/4	1,305.27	1/4	1,582.35	1/4	1,859.51	1/4	2,136.67	1/4	2,413.74	1/4	2,690.33	1/4	
1/2	226.38	1/2	499.13	1/2	768.49	1/2	1,037.05	1/2	1,311.04	1/2	1,588.13	1/2	1,865.29	1/2	2,142.44	1/2	2,419.51	1/2	2,696.06	1/2	
3/4	232.15	3/4	504.91	3/4	773.97	3/4	1,042.83	3/4	1,316.81	3/4	1,593.90	3/4	1,871.06	3/4	2,148.22	3/4	2,425.28	3/4	2,701.79	3/4	
10	237.91	10	510.68	10	779.44	10	1,048.60	10	1,322.59	10	1,599.68	10	1,876.83	10	2,153.99	10	2,431.06	10	2,707.52	10	
1/4	243.46	1/4	516.46	1/4	784.92	1/4	1,054.38	1/4	1,328.36	1/4	1,605.45	1/4	1,882.61	1/4	2,159.76	1/4	2,436.83	1/4	2,713.26	1/4	
1/2	249.01	1/2	522.24	1/2	790.40	1/2	1,060.15	1/2	1,334.14	1/2	1,611.23	1/2	1,888.38	1/2	2,165.53	1/2	2,442.60	1/2	2,718.99	1/2	
3/4	254.55	3/4	528.01	3/4	795.87	3/4	1,065.93	3/4	1,339.91	3/4	1,617.00	3/4	1,894.16	3/4	2,171.29	3/4	2,448.38	3/4	2,724.72	3/4	
11	260.10	11	533.79	11	801.35	11	1,071.70	11	1,345.69	11	1,622.77	11	1,899.93	11	2,177.06	11	2,454.15	11	2,730.46	11	
1/4	265.65	1/4	539.56	1/4	806.83	1/4	1,077.48	1/4	1,351.46	1/4	1,628.55	1/4	1,905.70	1/4	2,182.83	1/4	2,459.92	1/4	2,736.19	1/4	
1/2	271.20	1/2	545.34	1/2	812.30	1/2	1,083.26	1/2	1,357.24	1/2	1,634.32	1/2	1,911.48	1/2	2,188.60	1/2	2,465.69	1/2	2,741.92	1/2	
3/4	276.74	3/4	551.11	3/4	817.78	3/4	1,089.03	3/4	1,363.01	3/4	1,640.10	3/4	1,917.25	3/4	2,194.36	3/4	2,471.47	3/4	2,747.66	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 INNAGE GAUGES.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 32'-06" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 34'-06" FORWARD OF AFT BULKHEAD

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

BARGE "MM 82"
MAGNOLIA BARGE

2 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0	16.16	0	282.16	0	556.63	0	832.56	0	1,109.36	0	1,383.21	0	1,660.17	0	1,937.19	0	2,214.17	0	2,491.15	0	2,767.17
1/4	20.86	1/4	287.71	1/4	562.40	1/4	838.30	1/4	1,115.00	1/4	1,388.98	1/4	1,665.94	1/4	1,942.97	1/4	2,219.94	1/4	2,496.92	1/4	2,772.90
1/2	25.56	1/2	293.27	1/2	568.17	1/2	844.05	1/2	1,120.64	1/2	1,394.75	1/2	1,671.71	1/2	1,948.74	1/2	2,225.71	1/2	2,502.69	1/2	2,778.63
3/4	30.26	3/4	298.82	3/4	573.95	3/4	849.79	3/4	1,126.28	3/4	1,400.52	3/4	1,677.48	3/4	1,954.51	3/4	2,231.48	3/4	2,508.46	3/4	2,784.36
1	34.96	1	304.38	1	579.72	1	855.53	1	1,131.92	1	1,406.30	1	1,683.25	1	1,960.28	1	2,237.25	1	2,514.23	1	2,790.09
1/4	40.44	1/4	309.93	1/4	585.49	1/4	861.28	1/4	1,137.56	1/4	1,412.07	1/4	1,689.02	1/4	1,966.05	1/4	2,243.02	1/4	2,520.00	1/4	2,795.82
1/2	45.92	1/2	315.49	1/2	591.26	1/2	867.03	1/2	1,143.20	1/2	1,417.84	1/2	1,694.80	1/2	1,971.82	1/2	2,248.79	1/2	2,525.77	1/2	2,801.55
3/4	51.40	3/4	321.04	3/4	597.04	3/4	872.78	3/4	1,148.84	3/4	1,423.61	3/4	1,700.57	3/4	1,977.59	3/4	2,254.56	3/4	2,531.54	3/4	2,807.28
2	56.88	2	326.60	2	602.81	2	878.54	2	1,154.48	2	1,429.38	2	1,706.34	2	1,983.37	2	2,260.33	2	2,537.31	2	2,813.01
1/4	62.40	1/4	332.15	1/4	608.58	1/4	884.29	1/4	1,160.12	1/4	1,435.15	1/4	1,712.11	1/4	1,989.14	1/4	2,266.10	1/4	2,543.08	1/4	2,818.74
1/2	67.91	1/2	337.71	1/2	614.35	1/2	890.04	1/2	1,165.75	1/2	1,440.91	1/2	1,717.88	1/2	1,994.91	1/2	2,271.87	1/2	2,548.85	1/2	2,824.48
3/4	73.42	3/4	343.26	3/4	620.13	3/4	895.79	3/4	1,171.39	3/4	1,446.67	3/4	1,723.65	3/4	2,000.68	3/4	2,277.64	3/4	2,554.62	3/4	2,830.21
3	78.93	3	348.82	3	625.90	3	901.54	3	1,177.03	3	1,452.43	3	1,729.42	3	2,006.45	3	2,283.41	3	2,560.39	3	2,835.94
1/4	84.45	1/4	354.59	1/4	631.64	1/4	907.31	1/4	1,182.66	1/4	1,458.19	1/4	1,735.19	1/4	2,012.22	1/4	2,289.18	1/4	2,566.16	1/4	2,841.67
1/2	89.97	1/2	360.36	1/2	637.38	1/2	913.08	1/2	1,188.30	1/2	1,463.96	1/2	1,740.97	1/2	2,017.99	1/2	2,294.96	1/2	2,571.93	1/2	2,847.40
3/4	95.49	3/4	366.14	3/4	643.12	3/4	918.86	3/4	1,193.93	3/4	1,469.72	3/4	1,746.74	3/4	2,023.76	3/4	2,300.73	3/4	2,577.70	3/4	2,853.13
4	101.01	4	371.91	4	648.86	4	924.63	4	1,199.57	4	1,475.48	4	1,752.51	4	2,029.54	4	2,306.50	4	2,583.48	4	2,858.86
1/4	106.55	1/4	377.68	1/4	654.60	1/4	930.40	1/4	1,205.21	1/4	1,481.25	1/4	1,758.28	1/4	2,035.31	1/4	2,312.27	1/4	2,589.25	1/4	2,864.59
1/2	112.08	1/2	383.45	1/2	660.34	1/2	936.18	1/2	1,210.85	1/2	1,487.02	1/2	1,764.05	1/2	2,041.08	1/2	2,318.04	1/2	2,595.02	1/2	2,870.32
3/4	117.61	3/4	389.23	3/4	666.08	3/4	941.95	3/4	1,216.49	3/4	1,492.80	3/4	1,769.82	3/4	2,046.85	3/4	2,323.81	3/4	2,600.79	3/4	2,876.05
5	123.14	5	395.00	5	671.82	5	947.72	5	1,222.13	5	1,498.57	5	1,775.59	5	2,052.62	5	2,329.58	5	2,606.56	5	2,881.78
1/4	128.79	1/4	400.77	1/4	677.56	1/4	953.49	1/4	1,227.77	1/4	1,504.34	1/4	1,781.37	1/4	2,058.39	1/4	2,335.35	1/4	2,612.33	1/4	2,887.07
1/2	134.44	1/2	406.54	1/2	683.30	1/2	959.27	1/2	1,233.41	1/2	1,510.11	1/2	1,787.14	1/2	2,064.16	1/2	2,341.12	1/2	2,618.10	1/2	2,892.36
3/4	140.09	3/4	412.32	3/4	689.04	3/4	965.04	3/4	1,239.05	3/4	1,515.88	3/4	1,792.91	3/4	2,069.94	3/4	2,346.89	3/4	2,623.87	3/4	2,897.65
6	145.74	6	418.09	6	694.78	6	970.81	6	1,244.69	6	1,521.65	6	1,798.68	6	2,075.71	6	2,352.66	6	2,629.64	6	2,902.94
1/4	151.49	1/4	423.86	1/4	700.52	1/4	976.58	1/4	1,250.46	1/4	1,527.42	1/4	1,804.45	1/4	2,081.48	1/4	2,358.43	1/4	2,635.37	1/4	2,907.27
1/2	157.24	1/2	429.63	1/2	706.25	1/2	982.36	1/2	1,256.23	1/2	1,533.20	1/2	1,810.22	1/2	2,087.25	1/2	2,364.20	1/2	2,641.10	1/2	2,911.60
3/4	162.99	3/4	435.41	3/4	711.99	3/4	988.13	3/4	1,262.01	3/4	1,538.97	3/4	1,815.99	3/4	2,093.02	3/4	2,369.97	3/4	2,646.83	3/4	2,915.93
7	168.74	7	441.18	7	717.73	7	993.90	7	1,267.78	7	1,544.74	7	1,821.77	7	2,098.79	7	2,375.74	7	2,652.56	7	2,920.26
1/4	174.50	1/4	446.95	1/4	723.47	1/4	999.68	1/4	1,273.55	1/4	1,550.51	1/4	1,827.54	1/4	2,104.56	1/4	2,381.51	1/4	2,658.29	1/4	2,923.62
1/2	180.25	1/2	452.72	1/2	729.21	1/2	1,005.45	1/2	1,279.32	1/2	1,556.28	1/2	1,833.31	1/2	2,110.34	1/2	2,387.28	1/2	2,664.02	1/2	
3/4	186.00	3/4	458.50	3/4	734.95	3/4	1,011.22	3/4	1,285.09	3/4	1,562.05	3/4	1,839.08	3/4	2,116.11	3/4	2,393.05	3/4	2,669.75	3/4	
8	191.75	8	464.27	8	740.69	8	1,016.99	8	1,290.86	8	1,567.82	8	1,844.85	8	2,121.88	8	2,398.82	8	2,675.48	8	
1/4	197.50	1/4	470.04	1/4	746.43	1/4	1,022.77	1/4	1,296.64	1/4	1,573.60	1/4	1,850.62	1/4	2,127.65	1/4	2,404.59	1/4	2,681.21	1/4	
1/2	203.25	1/2	475.81	1/2	752.17	1/2	1,028.54	1/2	1,302.41	1/2	1,579.37	1/2	1,856.39	1/2	2,133.42	1/2	2,410.36	1/2	2,686.94	1/2	
3/4	209.01	3/4	481.59	3/4	757.91	3/4	1,034.31	3/4	1,308.18	3/4	1,585.14	3/4	1,862.17	3/4	2,139.19	3/4	2,416.13	3/4	2,692.67	3/4	
9	214.76	9	487.36	9	763.65	9	1,040.09	9	1,313.95	9	1,590.91	9	1,867.94	9	2,144.96	9	2,421.90	9	2,698.40	9	
1/4	220.52	1/4	493.13	1/4	769.39	1/4	1,045.86	1/4	1,319.72	1/4	1,596.68	1/4	1,873.71	1/4	2,150.74	1/4	2,427.67	1/4	2,704.13	1/4	
1/2	226.28	1/2	498.90	1/2	775.13	1/2	1,051.63	1/2	1,325.49	1/2	1,602.45	1/2	1,879.48	1/2	2,156.51	1/2	2,433.44	1/2	2,709.87	1/2	
3/4	232.04	3/4	504.68	3/4	780.87	3/4	1,057.40	3/4	1,331.27	3/4	1,608.22	3/4	1,885.25	3/4	2,162.28	3/4	2,439.22	3/4	2,715.60	3/4	
10	237.80	10	510.45	10	786.61	10	1,063.18	10	1,337.04	10	1,614.00	10	1,891.02	10	2,168.05	10	2,444.99	10	2,721.33	10	
1/4	243.35	1/4	516.22	1/4	792.36	1/4	1,068.95	1/4	1,342.81	1/4	1,619.77	1/4	1,896.79	1/4	2,173.82	1/4	2,450.76	1/4	2,727.06	1/4	
1/2	248.89	1/2	521.99	1/2	798.10	1/2	1,074.72	1/2	1,348.58	1/2	1,625.54	1/2	1,902.57	1/2	2,179.58	1/2	2,456.53	1/2	2,732.79	1/2	
3/4	254.44	3/4	527.77	3/4	803.84	3/4	1,080.50	3/4	1,354.35	3/4	1,631.31	3/4	1,908.34	3/4	2,185.35	3/4	2,462.30	3/4	2,738.52	3/4	
11	259.98	11	533.54	11	809.59	11	1,086.27	11	1,360.12	11	1,637.08	11	1,914.11	11	2,191.11	11	2,468.07	11	2,744.25	11	
1/4	265.53	1/4	539.31	1/4	815.33	1/4	1,092.04	1/4	1,365.90	1/4	1,642.85	1/4	1,919.88	1/4	2,196.88	1/4	2,473.84	1/4	2,749.98	1/4	
1/2	271.07	1/2	545.08	1/2	821.07	1/2	1,097.81	1/2	1,371.67	1/2	1,648.62	1/2	1,925.65	1/2	2,202.64	1/2	2,479.61	1/2	2,755.71	1/2	
3/4	276.62	3/4	550.86	3/4	826.82	3/4	1,103.59	3/4	1,377.44	3/4	1,654.40	3/4	1,931.42	3/4	2,208.40	3/4	2,485.38	3/4	2,761.44	3/4	

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BARGE "MM 82"
MAGNOLIA BARGE

3 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0	15.96	0	278.34	0	549.10	0	811.60	0	1,079.27	0	1,349.38	0	1,622.59	0	1,895.88	0	2,169.11	0	2,442.35	0	2,714.63
1/4	20.59	1/4	283.82	1/4	554.79	1/4	816.99	1/4	1,084.83	1/4	1,355.07	1/4	1,628.29	1/4	1,901.57	1/4	2,174.81	1/4	2,448.05	1/4	2,720.28
1/2	25.23	1/2	289.30	1/2	560.49	1/2	822.39	1/2	1,090.39	1/2	1,360.76	1/2	1,633.98	1/2	1,907.27	1/2	2,180.50	1/2	2,453.74	1/2	2,725.94
3/4	29.86	3/4	294.78	3/4	566.18	3/4	827.78	3/4	1,095.96	3/4	1,366.46	3/4	1,639.67	3/4	1,912.96	3/4	2,186.19	3/4	2,459.43	3/4	2,731.59
1	34.50	1	300.26	1	571.87	1	833.18	1	1,101.52	1	1,372.15	1	1,645.37	1	1,918.66	1	2,191.88	1	2,465.12	1	2,737.24
1/4	39.90	1/4	305.74	1/4	577.57	1/4	838.58	1/4	1,107.08	1/4	1,377.85	1/4	1,651.06	1/4	1,924.35	1/4	2,197.58	1/4	2,470.82	1/4	2,742.89
1/2	45.31	1/2	311.22	1/2	583.26	1/2	843.99	1/2	1,112.64	1/2	1,383.54	1/2	1,656.75	1/2	1,930.04	1/2	2,203.27	1/2	2,476.51	1/2	2,748.55
3/4	50.72	3/4	316.70	3/4	588.96	3/4	849.39	3/4	1,118.20	3/4	1,389.23	3/4	1,662.45	3/4	1,935.74	3/4	2,208.96	3/4	2,482.20	3/4	2,754.20
2	56.12	2	322.18	2	594.65	2	854.79	2	1,123.77	2	1,394.93	2	1,668.14	2	1,941.43	2	2,214.65	2	2,487.89	2	2,759.85
1/4	61.56	1/4	327.66	1/4	600.35	1/4	860.20	1/4	1,129.32	1/4	1,400.61	1/4	1,673.83	1/4	1,947.12	1/4	2,220.35	1/4	2,493.59	1/4	2,765.50
1/2	67.00	1/2	333.14	1/2	606.04	1/2	865.60	1/2	1,134.88	1/2	1,406.30	1/2	1,679.53	1/2	1,952.82	1/2	2,226.04	1/2	2,499.28	1/2	2,771.16
3/4	72.44	3/4	338.62	3/4	611.74	3/4	871.01	3/4	1,140.44	3/4	1,411.98	3/4	1,685.22	3/4	1,958.51	3/4	2,231.73	3/4	2,504.97	3/4	2,776.81
3	77.87	3	344.09	3	617.43	3	876.41	3	1,146.00	3	1,417.66	3	1,690.92	3	1,964.20	3	2,237.42	3	2,510.66	3	2,782.46
1/4	83.32	1/4	349.79	1/4	622.82	1/4	881.83	1/4	1,151.56	1/4	1,423.35	1/4	1,696.61	1/4	1,969.90	1/4	2,243.12	1/4	2,516.36	1/4	2,788.11
1/2	88.76	1/2	355.48	1/2	628.22	1/2	887.26	1/2	1,157.12	1/2	1,429.03	1/2	1,702.30	1/2	1,975.59	1/2	2,248.81	1/2	2,522.05	1/2	2,793.77
3/4	94.21	3/4	361.18	3/4	633.61	3/4	892.69	3/4	1,162.67	3/4	1,434.72	3/4	1,708.00	3/4	1,981.28	3/4	2,254.50	3/4	2,527.74	3/4	2,799.42
4	99.65	4	366.87	4	639.01	4	898.11	4	1,168.23	4	1,440.40	4	1,713.69	4	1,986.98	4	2,260.19	4	2,533.43	4	2,805.07
1/4	105.11	1/4	372.57	1/4	644.40	1/4	903.54	1/4	1,173.79	1/4	1,446.09	1/4	1,719.38	1/4	1,992.67	1/4	2,265.89	1/4	2,539.13	1/4	2,810.72
1/2	110.57	1/2	378.26	1/2	649.79	1/2	908.96	1/2	1,179.36	1/2	1,451.79	1/2	1,725.08	1/2	1,998.36	1/2	2,271.58	1/2	2,544.82	1/2	2,816.38
3/4	116.02	3/4	383.96	3/4	655.18	3/4	914.39	3/4	1,184.92	3/4	1,457.48	3/4	1,730.77	3/4	2,004.06	3/4	2,277.27	3/4	2,550.51	3/4	2,822.03
5	121.48	5	389.65	5	660.58	5	919.81	5	1,190.48	5	1,463.18	5	1,736.46	5	2,009.75	5	2,282.96	5	2,556.20	5	2,827.68
1/4	127.05	1/4	395.35	1/4	665.97	1/4	925.51	1/4	1,196.04	1/4	1,468.87	1/4	1,742.16	1/4	2,015.44	1/4	2,288.66	1/4	2,561.90	1/4	2,832.90
1/2	132.63	1/2	401.04	1/2	671.36	1/2	931.20	1/2	1,201.60	1/2	1,474.56	1/2	1,747.85	1/2	2,021.14	1/2	2,294.35	1/2	2,567.59	1/2	2,838.12
3/4	138.20	3/4	406.73	3/4	676.75	3/4	936.90	3/4	1,207.17	3/4	1,480.26	3/4	1,753.54	3/4	2,026.83	3/4	2,300.04	3/4	2,573.28	3/4	2,843.34
6	143.77	6	412.43	6	682.14	6	942.59	6	1,212.73	6	1,485.95	6	1,759.24	6	2,032.53	6	2,305.73	6	2,578.97	6	2,848.56
1/4	149.44	1/4	418.12	1/4	687.54	1/4	948.29	1/4	1,218.42	1/4	1,491.64	1/4	1,764.93	1/4	2,038.22	1/4	2,311.43	1/4	2,584.63	1/4	2,852.83
1/2	155.12	1/2	423.82	1/2	692.93	1/2	953.98	1/2	1,224.12	1/2	1,497.34	1/2	1,770.62	1/2	2,043.91	1/2	2,317.12	1/2	2,590.28	1/2	2,857.10
3/4	160.79	3/4	429.51	3/4	698.32	3/4	959.68	3/4	1,229.81	3/4	1,503.03	3/4	1,776.32	3/4	2,049.61	3/4	2,322.81	3/4	2,595.93	3/4	2,861.37
7	166.46	7	435.21	7	703.71	7	965.37	7	1,235.50	7	1,508.72	7	1,782.01	7	2,055.30	7	2,328.50	7	2,601.58	7	2,865.64
1/4	172.14	1/4	440.90	1/4	709.11	1/4	971.07	1/4	1,241.20	1/4	1,514.42	1/4	1,787.70	1/4	2,060.99	1/4	2,334.20	1/4	2,607.24	1/4	2,868.96
1/2	177.81	1/2	446.60	1/2	714.50	1/2	976.76	1/2	1,246.89	1/2	1,520.11	1/2	1,793.40	1/2	2,066.69	1/2	2,339.89	1/2	2,612.89	1/2	
3/4	183.49	3/4	452.29	3/4	719.89	3/4	982.46	3/4	1,252.58	3/4	1,525.80	3/4	1,799.09	3/4	2,072.38	3/4	2,345.58	3/4	2,618.54	3/4	
8	189.16	8	457.98	8	725.28	8	988.15	8	1,258.28	8	1,531.50	8	1,804.79	8	2,078.07	8	2,351.27	8	2,624.19	8	
1/4	194.83	1/4	463.68	1/4	730.67	1/4	993.85	1/4	1,263.97	1/4	1,537.19	1/4	1,810.48	1/4	2,083.77	1/4	2,356.97	1/4	2,629.85	1/4	
1/2	200.51	1/2	469.37	1/2	736.07	1/2	999.54	1/2	1,269.67	1/2	1,542.88	1/2	1,816.17	1/2	2,089.46	1/2	2,362.66	1/2	2,635.50	1/2	
3/4	206.18	3/4	475.07	3/4	741.46	3/4	1,005.24	3/4	1,275.36	3/4	1,548.58	3/4	1,821.87	3/4	2,095.15	3/4	2,368.35	3/4	2,641.15	3/4	
9	211.85	9	480.76	9	746.85	9	1,010.93	9	1,281.05	9	1,554.27	9	1,827.56	9	2,100.85	9	2,374.04	9	2,646.80	9	
1/4	217.54	1/4	486.46	1/4	752.24	1/4	1,016.63	1/4	1,286.75	1/4	1,559.96	1/4	1,833.25	1/4	2,106.54	1/4	2,379.74	1/4	2,652.46	1/4	
1/2	223.22	1/2	492.15	1/2	757.64	1/2	1,022.32	1/2	1,292.44	1/2	1,565.66	1/2	1,838.95	1/2	2,112.23	1/2	2,385.43	1/2	2,658.11	1/2	
3/4	228.91	3/4	497.85	3/4	763.03	3/4	1,028.02	3/4	1,298.13	3/4	1,571.35	3/4	1,844.64	3/4	2,117.93	3/4	2,391.12	3/4	2,663.76	3/4	
10	234.59	10	503.54	10	768.43	10	1,033.71	10	1,303.83	10	1,577.05	10	1,850.33	10	2,123.62	10	2,396.81	10	2,669.41	10	
1/4	240.06	1/4	509.24	1/4	773.82	1/4	1,039.41	1/4	1,309.52	1/4	1,582.74	1/4	1,856.03	1/4	2,129.31	1/4	2,402.51	1/4	2,675.07	1/4	
1/2	245.53	1/2	514.93	1/2	779.22	1/2	1,045.10	1/2	1,315.22	1/2	1,588.43	1/2	1,861.72	1/2	2,134.99	1/2	2,408.20	1/2	2,680.72	1/2	
3/4	251.00	3/4	520.62	3/4	784.61	3/4	1,050.80	3/4	1,320.91	3/4	1,594.13	3/4	1,867.41	3/4	2,140.68	3/4	2,413.89	3/4	2,686.37	3/4	
11	256.46	11	526.32	11	790.01	11	1,056.49	11	1,326.60	11	1,599.82	11	1,873.11	11	2,146.37	11	2,419.58	11	2,692.02	11	
1/4	261.93	1/4	532.01	1/4	795.41	1/4	1,062.18	1/4	1,332.30	1/4	1,605.51	1/4	1,878.80	1/4	2,152.05	1/4	2,425.28	1/4	2,697.68	1/4	
1/2	267.40	1/2	537.71	1/2	800.80	1/2	1,067.88	1/2	1,337.99	1/2	1,611.21	1/2	1,884.49	1/2	2,157.74	1/2	2,430.97	1/2	2,703.33	1/2	
3/4	272.87	3/4	543.40	3/4	806.20	3/4	1,073.57	3/4	1,343.68	3/4	1,616.90	3/4	1,890.19	3/4	2,163.43	3/4	2,436.66	3/4	2,708.98	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 INNAGE GAUGES.
GAUGE POINT: (HERMETIC - 2" VALVE) 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: 04/14/2014 CL
CALCULATED: 04/14/2014 CL
PRINTED: 04/14/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

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

BARGE "MM 82"
MAGNOLIA BARGE

3 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0	15.95	0	278.25	0	548.92	0	821.03	0	1,094.00	0	1,364.02	0	1,637.15	0	1,910.35	0	2,183.50	0	2,456.65	0	2,728.84
1/4	20.59	1/4	283.73	1/4	554.61	1/4	826.69	1/4	1,099.56	1/4	1,369.71	1/4	1,642.84	1/4	1,916.05	1/4	2,189.19	1/4	2,462.34	1/4	2,734.50
1/2	25.22	1/2	289.21	1/2	560.31	1/2	832.35	1/2	1,105.12	1/2	1,375.41	1/2	1,648.54	1/2	1,921.74	1/2	2,194.88	1/2	2,468.03	1/2	2,740.15
3/4	29.85	3/4	294.69	3/4	566.00	3/4	838.02	3/4	1,110.68	3/4	1,381.10	3/4	1,654.23	3/4	1,927.43	3/4	2,200.57	3/4	2,473.73	3/4	2,745.80
1	34.49	1	300.16	1	571.69	1	843.68	1	1,116.24	1	1,386.79	1	1,659.92	1	1,933.12	1	2,206.26	1	2,479.42	1	2,751.45
1/4	39.89	1/4	305.64	1/4	577.39	1/4	849.35	1/4	1,121.80	1/4	1,392.48	1/4	1,665.61	1/4	1,938.81	1/4	2,211.95	1/4	2,485.11	1/4	2,757.10
1/2	45.30	1/2	311.12	1/2	583.08	1/2	855.02	1/2	1,127.36	1/2	1,398.17	1/2	1,671.30	1/2	1,944.50	1/2	2,217.64	1/2	2,490.80	1/2	2,762.75
3/4	50.70	3/4	316.60	3/4	588.77	3/4	860.70	3/4	1,132.92	3/4	1,403.86	3/4	1,676.99	3/4	1,950.20	3/4	2,223.33	3/4	2,496.49	3/4	2,768.40
2	56.11	2	322.07	2	594.46	2	866.37	2	1,138.48	2	1,409.56	2	1,682.69	2	1,955.89	2	2,229.03	2	2,502.18	2	2,774.05
1/4	61.54	1/4	327.55	1/4	600.16	1/4	872.04	1/4	1,144.04	1/4	1,415.24	1/4	1,688.38	1/4	1,961.58	1/4	2,234.72	1/4	2,507.87	1/4	2,779.70
1/2	66.98	1/2	333.03	1/2	605.85	1/2	877.71	1/2	1,149.60	1/2	1,420.92	1/2	1,694.07	1/2	1,967.27	1/2	2,240.41	1/2	2,513.56	1/2	2,785.35
3/4	72.41	3/4	338.51	3/4	611.54	3/4	883.38	3/4	1,155.15	3/4	1,426.60	3/4	1,699.76	3/4	1,972.96	3/4	2,246.10	3/4	2,519.25	3/4	2,791.00
3	77.85	3	343.98	3	617.23	3	889.05	3	1,160.71	3	1,432.29	3	1,705.45	3	1,978.65	3	2,251.79	3	2,524.94	3	2,796.65
1/4	83.29	1/4	349.68	1/4	622.90	1/4	894.74	1/4	1,166.26	1/4	1,437.97	1/4	1,711.14	1/4	1,984.35	1/4	2,257.48	1/4	2,530.63	1/4	2,802.30
1/2	88.74	1/2	355.37	1/2	628.56	1/2	900.44	1/2	1,171.82	1/2	1,443.65	1/2	1,716.84	1/2	1,990.04	1/2	2,263.17	1/2	2,536.32	1/2	2,807.95
3/4	94.18	3/4	361.06	3/4	634.22	3/4	906.13	3/4	1,177.38	3/4	1,449.33	3/4	1,722.53	3/4	1,995.73	3/4	2,268.86	3/4	2,542.01	3/4	2,813.60
4	99.62	4	366.76	4	639.88	4	911.82	4	1,182.93	4	1,455.02	4	1,728.22	4	2,001.42	4	2,274.55	4	2,547.70	4	2,819.25
1/4	105.08	1/4	372.45	1/4	645.54	1/4	917.52	1/4	1,188.49	1/4	1,460.71	1/4	1,733.91	1/4	2,007.11	1/4	2,280.24	1/4	2,553.40	1/4	2,824.90
1/2	110.53	1/2	378.14	1/2	651.20	1/2	923.21	1/2	1,194.05	1/2	1,466.40	1/2	1,739.60	1/2	2,012.80	1/2	2,285.93	1/2	2,559.09	1/2	2,830.56
3/4	115.99	3/4	383.83	3/4	656.86	3/4	928.90	3/4	1,199.61	3/4	1,472.09	3/4	1,745.29	3/4	2,018.50	3/4	2,291.62	3/4	2,564.78	3/4	2,836.21
5	121.44	5	389.53	5	662.52	5	934.60	5	1,205.18	5	1,477.78	5	1,750.99	5	2,024.19	5	2,297.31	5	2,570.47	5	2,841.86
1/4	127.01	1/4	395.22	1/4	668.18	1/4	940.29	1/4	1,210.74	1/4	1,483.48	1/4	1,756.68	1/4	2,029.88	1/4	2,303.00	1/4	2,576.16	1/4	2,847.07
1/2	132.58	1/2	400.91	1/2	673.84	1/2	945.98	1/2	1,216.30	1/2	1,489.17	1/2	1,762.37	1/2	2,035.57	1/2	2,308.70	1/2	2,581.85	1/2	2,852.29
3/4	138.15	3/4	406.60	3/4	679.50	3/4	951.67	3/4	1,221.86	3/4	1,494.86	3/4	1,768.06	3/4	2,041.26	3/4	2,314.39	3/4	2,587.54	3/4	2,857.51
6	143.72	6	412.30	6	685.16	6	957.37	6	1,227.42	6	1,500.55	6	1,773.75	6	2,046.95	6	2,320.08	6	2,593.23	6	2,862.73
1/4	149.40	1/4	417.99	1/4	690.82	1/4	963.06	1/4	1,233.11	1/4	1,506.24	1/4	1,779.44	1/4	2,052.65	1/4	2,325.77	1/4	2,598.88	1/4	2,867.00
1/2	155.07	1/2	423.68	1/2	696.48	1/2	968.75	1/2	1,238.80	1/2	1,511.93	1/2	1,785.14	1/2	2,058.34	1/2	2,331.46	1/2	2,604.53	1/2	2,871.27
3/4	160.74	3/4	429.38	3/4	702.14	3/4	974.45	3/4	1,244.49	3/4	1,517.63	3/4	1,790.83	3/4	2,064.03	3/4	2,337.15	3/4	2,610.18	3/4	2,875.53
7	166.41	7	435.07	7	707.80	7	980.14	7	1,250.18	7	1,523.32	7	1,796.52	7	2,069.72	7	2,342.84	7	2,615.83	7	2,879.80
1/4	172.08	1/4	440.76	1/4	713.46	1/4	985.83	1/4	1,255.88	1/4	1,529.01	1/4	1,802.21	1/4	2,075.41	1/4	2,348.53	1/4	2,621.46	1/4	2,883.12
1/2	177.75	1/2	446.45	1/2	719.11	1/2	991.53	1/2	1,261.57	1/2	1,534.70	1/2	1,807.90	1/2	2,081.10	1/2	2,354.22	1/2	2,627.13	1/2	
3/4	183.43	3/4	452.15	3/4	724.77	3/4	997.22	3/4	1,267.26	3/4	1,540.39	3/4	1,813.59	3/4	2,086.80	3/4	2,359.91	3/4	2,632.78	3/4	
8	189.10	8	457.84	8	730.43	8	1,002.91	8	1,272.95	8	1,546.08	8	1,819.29	8	2,092.49	8	2,365.60	8	2,638.44	8	
1/4	194.77	1/4	463.53	1/4	736.09	1/4	1,008.60	1/4	1,278.64	1/4	1,551.78	1/4	1,824.98	1/4	2,098.18	1/4	2,371.29	1/4	2,644.09	1/4	
1/2	200.44	1/2	469.22	1/2	741.75	1/2	1,014.30	1/2	1,284.33	1/2	1,557.47	1/2	1,830.67	1/2	2,103.87	1/2	2,376.98	1/2	2,649.74	1/2	
3/4	206.11	3/4	474.92	3/4	747.41	3/4	1,019.99	3/4	1,290.03	3/4	1,563.16	3/4	1,836.36	3/4	2,109.56	3/4	2,382.67	3/4	2,655.39	3/4	
9	211.79	9	480.61	9	753.07	9	1,025.68	9	1,295.72	9	1,568.85	9	1,842.05	9	2,115.25	9	2,388.37	9	2,661.04	9	
1/4	217.47	1/4	486.30	1/4	758.73	1/4	1,031.38	1/4	1,301.41	1/4	1,574.54	1/4	1,847.74	1/4	2,120.95	1/4	2,394.06	1/4	2,666.69	1/4	
1/2	223.15	1/2	491.99	1/2	764.40	1/2	1,037.07	1/2	1,307.10	1/2	1,580.23	1/2	1,853.44	1/2	2,126.64	1/2	2,399.75	1/2	2,672.34	1/2	
3/4	228.83	3/4	497.69	3/4	770.06	3/4	1,042.76	3/4	1,312.79	3/4	1,585.93	3/4	1,859.13	3/4	2,132.33	3/4	2,405.44	3/4	2,677.99	3/4	
10	234.52	10	503.38	10	775.72	10	1,048.46	10	1,318.49	10	1,591.62	10	1,864.82	10	2,138.02	10	2,411.13	10	2,683.64	10	
1/4	239.98	1/4	509.07	1/4	781.38	1/4	1,054.15	1/4	1,324.18	1/4	1,597.31	1/4	1,870.51	1/4	2,143.71	1/4	2,416.82	1/4	2,689.29	1/4	
1/2	245.45	1/2	514.77	1/2	787.05	1/2	1,059.84	1/2	1,329.87	1/2	1,603.00	1/2	1,876.20	1/2	2,149.39	1/2	2,422.51	1/2	2,694.94	1/2	
3/4	250.92	3/4	520.46	3/4	792.71	3/4	1,065.53	3/4	1,335.56	3/4	1,608.69	3/4	1,881.90	3/4	2,155.08	3/4	2,428.20	3/4	2,700.59	3/4	
11	256.38	11	526.15	11	798.37	11	1,071.23	11	1,341.25	11	1,614.39	11	1,887.59	11	2,160.76	11	2,433.89	11	2,706.24	11	
1/4	261.85	1/4	531.84	1/4	804.04	1/4	1,076.92	1/4	1,346.95	1/4	1,620.08	1/4	1,893.28	1/4	2,166.45	1/4	2,439.58	1/4	2,711.89	1/4	
1/2	267.32	1/2	537.54	1/2	809.70	1/2	1,082.61	1/2	1,352.64	1/2	1,625.77	1/2	1,898.97	1/2	2,172.13	1/2	2,445.27	1/2	2,717.54	1/2	
3/4	272.79	3/4	543.23	3/4	815.36	3/4	1,088.31	3/4	1,358.33	3/4	1,631.46	3/4	1,904.66	3/4	2,177.82	3/4	2,450.96	3/4	2,723.19	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 INNAGE GAUGES.
GAUGE POINT: (HERMETIC - 2" VALVE) 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

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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

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

BARGE "MM 82"
MAGNOLIA BARGE

4 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08"

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.
0	16.32	0	292.99	0	573.10	0	843.82	0	1,118.62	0	1,394.69	0	1,670.15	0	1,948.63	0	2,227.38	0	2,506.27	0	2,784.20
1/4	21.21	1/4	298.87	1/4	578.92	1/4	849.40	1/4	1,124.32	1/4	1,400.44	1/4	1,675.91	1/4	1,954.43	1/4	2,233.19	1/4	2,512.08	1/4	2,789.98
1/2	26.10	1/2	304.76	1/2	584.74	1/2	854.99	1/2	1,130.01	1/2	1,406.19	1/2	1,681.67	1/2	1,960.24	1/2	2,239.00	1/2	2,517.89	1/2	2,795.75
3/4	30.99	3/4	310.64	3/4	590.56	3/4	860.57	3/4	1,135.70	3/4	1,411.93	3/4	1,687.43	3/4	1,966.04	3/4	2,244.81	3/4	2,523.70	3/4	2,801.52
1	35.88	1	316.53	1	596.38	1	866.15	1	1,141.40	1	1,417.68	1	1,693.18	1	1,971.85	1	2,250.62	1	2,529.51	1	2,807.29
1/4	41.70	1/4	322.42	1/4	602.20	1/4	871.74	1/4	1,147.09	1/4	1,423.42	1/4	1,698.94	1/4	1,977.65	1/4	2,256.43	1/4	2,535.32	1/4	2,813.06
1/2	47.52	1/2	328.30	1/2	608.02	1/2	877.33	1/2	1,152.79	1/2	1,429.16	1/2	1,704.70	1/2	1,983.45	1/2	2,262.24	1/2	2,541.13	1/2	2,818.83
3/4	53.35	3/4	334.18	3/4	613.84	3/4	882.92	3/4	1,158.48	3/4	1,434.90	3/4	1,710.46	3/4	1,989.26	3/4	2,268.05	3/4	2,546.95	3/4	2,824.60
2	59.17	2	340.07	2	619.66	2	888.51	2	1,164.17	2	1,440.64	2	1,716.21	2	1,995.06	2	2,273.86	2	2,552.76	2	2,830.37
1/4	65.02	1/4	345.95	1/4	625.48	1/4	894.10	1/4	1,169.86	1/4	1,446.35	1/4	1,722.03	1/4	2,000.87	1/4	2,279.67	1/4	2,558.57	1/4	2,836.14
1/2	70.88	1/2	351.84	1/2	631.30	1/2	899.69	1/2	1,175.54	1/2	1,452.07	1/2	1,727.84	1/2	2,006.67	1/2	2,285.48	1/2	2,564.38	1/2	2,841.91
3/4	76.73	3/4	357.72	3/4	637.12	3/4	905.28	3/4	1,181.22	3/4	1,457.79	3/4	1,733.65	3/4	2,012.48	3/4	2,291.29	3/4	2,570.19	3/4	2,847.68
3	82.59	3	363.61	3	642.93	3	910.87	3	1,186.90	3	1,463.51	3	1,739.47	3	2,018.28	3	2,297.10	3	2,576.00	3	2,853.45
1/4	88.45	1/4	369.42	1/4	648.52	1/4	916.49	1/4	1,192.58	1/4	1,469.23	1/4	1,745.28	1/4	2,024.09	1/4	2,302.91	1/4	2,581.81	1/4	2,859.22
1/2	94.31	1/2	375.24	1/2	654.10	1/2	922.10	1/2	1,198.26	1/2	1,474.96	1/2	1,751.09	1/2	2,029.89	1/2	2,308.72	1/2	2,587.62	1/2	2,864.99
3/4	100.17	3/4	381.06	3/4	659.68	3/4	927.71	3/4	1,203.95	3/4	1,480.69	3/4	1,756.90	3/4	2,035.69	3/4	2,314.53	3/4	2,593.43	3/4	2,870.76
4	106.04	4	386.88	4	665.26	4	933.32	4	1,209.63	4	1,486.41	4	1,762.72	4	2,041.50	4	2,320.34	4	2,599.24	4	2,876.53
1/4	111.91	1/4	392.70	1/4	670.84	1/4	938.94	1/4	1,215.32	1/4	1,492.15	1/4	1,768.53	1/4	2,047.30	1/4	2,326.15	1/4	2,605.05	1/4	2,882.30
1/2	117.79	1/2	398.51	1/2	676.42	1/2	944.55	1/2	1,221.02	1/2	1,497.89	1/2	1,774.34	1/2	2,053.11	1/2	2,331.96	1/2	2,610.86	1/2	2,888.07
3/4	123.66	3/4	404.33	3/4	681.99	3/4	950.16	3/4	1,226.71	3/4	1,503.62	3/4	1,780.16	3/4	2,058.91	3/4	2,337.77	3/4	2,616.67	3/4	2,893.84
5	129.53	5	410.15	5	687.57	5	955.77	5	1,232.40	5	1,509.36	5	1,785.97	5	2,064.72	5	2,343.58	5	2,622.48	5	2,899.61
1/4	135.38	1/4	415.97	1/4	693.15	1/4	961.59	1/4	1,238.10	1/4	1,515.10	1/4	1,791.78	1/4	2,070.53	1/4	2,349.39	1/4	2,628.29	1/4	2,904.95
1/2	141.23	1/2	421.79	1/2	698.73	1/2	967.41	1/2	1,243.79	1/2	1,520.83	1/2	1,797.59	1/2	2,076.34	1/2	2,355.21	1/2	2,634.10	1/2	2,910.30
3/4	147.08	3/4	427.61	3/4	704.31	3/4	973.22	3/4	1,249.49	3/4	1,526.57	3/4	1,803.41	3/4	2,082.15	3/4	2,361.02	3/4	2,639.91	3/4	2,915.64
6	152.93	6	433.43	6	709.89	6	979.04	6	1,255.18	6	1,532.31	6	1,809.22	6	2,087.96	6	2,366.83	6	2,645.72	6	2,920.99
1/4	158.74	1/4	439.25	1/4	715.47	1/4	984.85	1/4	1,260.99	1/4	1,538.04	1/4	1,815.03	1/4	2,093.77	1/4	2,372.64	1/4	2,651.49	1/4	2,925.36
1/2	164.55	1/2	445.07	1/2	721.05	1/2	990.67	1/2	1,266.80	1/2	1,543.78	1/2	1,820.85	1/2	2,099.58	1/2	2,378.45	1/2	2,657.26	1/2	2,929.73
3/4	170.36	3/4	450.88	3/4	726.62	3/4	996.49	3/4	1,272.62	3/4	1,549.52	3/4	1,826.66	3/4	2,105.40	3/4	2,384.26	3/4	2,663.03	3/4	2,934.10
7	176.17	7	456.70	7	732.20	7	1,002.30	7	1,278.43	7	1,555.25	7	1,832.47	7	2,111.21	7	2,390.07	7	2,668.80	7	2,938.47
1/4	181.98	1/4	462.52	1/4	737.78	1/4	1,008.12	1/4	1,284.24	1/4	1,560.99	1/4	1,838.28	1/4	2,117.02	1/4	2,395.88	1/4	2,674.57	1/4	2,941.87
1/2	187.79	1/2	468.34	1/2	743.36	1/2	1,013.93	1/2	1,290.06	1/2	1,566.72	1/2	1,844.10	1/2	2,122.83	1/2	2,401.69	1/2	2,680.34	1/2	
3/4	193.60	3/4	474.16	3/4	748.94	3/4	1,019.75	3/4	1,295.87	3/4	1,572.46	3/4	1,849.91	3/4	2,128.64	3/4	2,407.50	3/4	2,686.11	3/4	
8	199.42	8	479.98	8	754.52	8	1,025.57	8	1,301.68	8	1,578.20	8	1,855.72	8	2,134.45	8	2,413.31	8	2,691.88	8	
1/4	205.23	1/4	485.80	1/4	760.10	1/4	1,031.38	1/4	1,307.50	1/4	1,583.93	1/4	1,861.53	1/4	2,140.26	1/4	2,419.12	1/4	2,697.65	1/4	
1/2	211.04	1/2	491.62	1/2	765.68	1/2	1,037.20	1/2	1,313.31	1/2	1,589.67	1/2	1,867.35	1/2	2,146.07	1/2	2,424.93	1/2	2,703.42	1/2	
3/4	216.85	3/4	497.44	3/4	771.25	3/4	1,043.01	3/4	1,319.12	3/4	1,595.41	3/4	1,873.16	3/4	2,151.88	3/4	2,430.74	3/4	2,709.19	3/4	
9	222.66	9	503.26	9	776.83	9	1,048.83	9	1,324.93	9	1,601.14	9	1,878.97	9	2,157.69	9	2,436.55	9	2,714.96	9	
1/4	228.48	1/4	509.08	1/4	782.41	1/4	1,054.65	1/4	1,330.75	1/4	1,606.88	1/4	1,884.78	1/4	2,163.51	1/4	2,442.36	1/4	2,720.73	1/4	
1/2	234.30	1/2	514.90	1/2	788.00	1/2	1,060.46	1/2	1,336.56	1/2	1,612.62	1/2	1,890.58	1/2	2,169.32	1/2	2,448.17	1/2	2,726.50	1/2	
3/4	240.12	3/4	520.72	3/4	793.58	3/4	1,066.28	3/4	1,342.37	3/4	1,618.35	3/4	1,896.39	3/4	2,175.13	3/4	2,453.98	3/4	2,732.27	3/4	
10	245.94	10	526.54	10	799.16	10	1,072.09	10	1,348.19	10	1,624.09	10	1,902.19	10	2,180.94	10	2,459.79	10	2,738.04	10	
1/4	251.83	1/4	532.36	1/4	804.74	1/4	1,077.91	1/4	1,354.00	1/4	1,629.85	1/4	1,908.00	1/4	2,186.74	1/4	2,465.60	1/4	2,743.81	1/4	
1/2	257.71	1/2	538.18	1/2	810.32	1/2	1,083.73	1/2	1,359.81	1/2	1,635.60	1/2	1,913.80	1/2	2,192.55	1/2	2,471.41	1/2	2,749.58	1/2	
3/4	263.60	3/4	544.00	3/4	815.91	3/4	1,089.54	3/4	1,365.62	3/4	1,641.36	3/4	1,919.60	3/4	2,198.35	3/4	2,477.22	3/4	2,755.35	3/4	
11	269.49	11	549.82	11	821.49	11	1,095.36	11	1,371.44	11	1,647.12	11	1,925.41	11	2,204.16	11	2,483.03	11	2,761.12	11	
1/4	275.36	1/4	555.64	1/4	827.07	1/4	1,101.17	1/4	1,377.25	1/4	1,652.88	1/4	1,931.21	1/4	2,209.96	1/4	2,488.84	1/4	2,766.89	1/4	
1/2	281.24	1/2	561.46	1/2	832.65	1/2	1,106.99	1/2	1,383.06	1/2	1,658.64	1/2	1,937.02	1/2	2,215.77	1/2	2,494.65	1/2	2,772.66	1/2	
3/4	287.11	3/4	567.28	3/4	838.24	3/4	1,112.81	3/4	1,388.88	3/4	1,664.39	3/4	1,942.82	3/4	2,221.57	3/4	2,500.46	3/4	2,778.43	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "MM 82"
MAGNOLIA BARGE

4 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08"

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.
0	16.33	0	293.13	0	572.62	0	848.71	0	1,125.67	0	1,399.82	0	1,673.36	0	1,949.76	0	2,226.40	0	2,503.18	0	2,779.01
1/4	21.22	1/4	299.02	1/4	578.40	1/4	854.46	1/4	1,131.32	1/4	1,405.53	1/4	1,679.08	1/4	1,955.52	1/4	2,232.17	1/4	2,508.95	1/4	2,784.73
1/2	26.11	1/2	304.90	1/2	584.17	1/2	860.21	1/2	1,136.98	1/2	1,411.24	1/2	1,684.80	1/2	1,961.28	1/2	2,237.93	1/2	2,514.72	1/2	2,790.46
3/4	31.01	3/4	310.79	3/4	589.95	3/4	865.95	3/4	1,142.63	3/4	1,416.94	3/4	1,690.51	3/4	1,967.04	3/4	2,243.70	3/4	2,520.48	3/4	2,796.19
1	35.90	1	316.68	1	595.72	1	871.70	1	1,148.29	1	1,422.65	1	1,696.23	1	1,972.80	1	2,249.47	1	2,526.25	1	2,801.91
1/4	41.72	1/4	322.57	1/4	601.50	1/4	877.45	1/4	1,153.94	1/4	1,428.35	1/4	1,701.95	1/4	1,978.56	1/4	2,255.23	1/4	2,532.02	1/4	2,807.64
1/2	47.55	1/2	328.46	1/2	607.28	1/2	883.21	1/2	1,159.59	1/2	1,434.05	1/2	1,707.67	1/2	1,984.32	1/2	2,261.00	1/2	2,537.78	1/2	2,813.36
3/4	53.37	3/4	334.34	3/4	613.05	3/4	888.96	3/4	1,165.25	3/4	1,439.75	3/4	1,713.39	3/4	1,990.08	3/4	2,266.77	3/4	2,543.55	3/4	2,819.09
2	59.20	2	340.23	2	618.83	2	894.72	2	1,170.90	2	1,445.45	2	1,719.10	2	1,995.84	2	2,272.53	2	2,549.31	2	2,824.82
1/4	65.06	1/4	346.12	1/4	624.60	1/4	900.47	1/4	1,176.55	1/4	1,451.12	1/4	1,724.87	1/4	2,001.60	1/4	2,278.30	1/4	2,555.08	1/4	2,830.54
1/2	70.91	1/2	352.01	1/2	630.38	1/2	906.22	1/2	1,182.19	1/2	1,456.80	1/2	1,730.64	1/2	2,007.36	1/2	2,284.06	1/2	2,560.85	1/2	2,836.27
3/4	76.77	3/4	357.89	3/4	636.15	3/4	911.98	3/4	1,187.83	3/4	1,462.48	3/4	1,736.41	3/4	2,013.12	3/4	2,289.83	3/4	2,566.61	3/4	2,842.00
3	82.63	3	363.78	3	641.93	3	917.73	3	1,193.47	3	1,468.16	3	1,742.18	3	2,018.88	3	2,295.60	3	2,572.38	3	2,847.72
1/4	88.49	1/4	369.60	1/4	647.68	1/4	923.51	1/4	1,199.11	1/4	1,473.84	1/4	1,747.95	1/4	2,024.64	1/4	2,301.36	1/4	2,578.15	1/4	2,853.45
1/2	94.36	1/2	375.42	1/2	653.42	1/2	929.28	1/2	1,204.75	1/2	1,479.53	1/2	1,753.72	1/2	2,030.40	1/2	2,307.13	1/2	2,583.91	1/2	2,859.17
3/4	100.22	3/4	381.24	3/4	659.17	3/4	935.06	3/4	1,210.40	3/4	1,485.22	3/4	1,759.49	3/4	2,036.16	3/4	2,312.90	3/4	2,589.68	3/4	2,864.90
4	106.09	4	387.06	4	664.91	4	940.84	4	1,216.04	4	1,490.91	4	1,765.25	4	2,041.92	4	2,318.66	4	2,595.44	4	2,870.63
1/4	111.97	1/4	392.88	1/4	670.65	1/4	946.61	1/4	1,221.69	1/4	1,496.60	1/4	1,771.02	1/4	2,047.68	1/4	2,324.43	1/4	2,601.21	1/4	2,876.35
1/2	117.84	1/2	398.70	1/2	676.40	1/2	952.39	1/2	1,227.34	1/2	1,502.30	1/2	1,776.79	1/2	2,053.45	1/2	2,330.19	1/2	2,606.98	1/2	2,882.08
3/4	123.72	3/4	404.52	3/4	682.14	3/4	958.16	3/4	1,233.00	3/4	1,507.99	3/4	1,782.56	3/4	2,059.21	3/4	2,335.96	3/4	2,612.74	3/4	2,887.81
5	129.60	5	410.34	5	687.88	5	963.94	5	1,238.65	5	1,513.69	5	1,788.33	5	2,064.97	5	2,341.73	5	2,618.51	5	2,893.53
1/4	135.45	1/4	416.17	1/4	693.62	1/4	969.72	1/4	1,244.31	1/4	1,519.39	1/4	1,794.10	1/4	2,070.73	1/4	2,347.49	1/4	2,624.28	1/4	2,898.88
1/2	141.30	1/2	421.99	1/2	699.37	1/2	975.49	1/2	1,249.96	1/2	1,525.08	1/2	1,799.87	1/2	2,076.50	1/2	2,353.26	1/2	2,630.04	1/2	2,904.23
3/4	147.15	3/4	427.81	3/4	705.11	3/4	981.27	3/4	1,255.61	3/4	1,530.78	3/4	1,805.64	3/4	2,082.27	3/4	2,359.03	3/4	2,635.81	3/4	2,909.57
6	153.01	6	433.63	6	710.85	6	987.04	6	1,261.27	6	1,536.48	6	1,811.40	6	2,088.04	6	2,364.79	6	2,641.58	6	2,914.92
1/4	158.82	1/4	439.45	1/4	716.59	1/4	992.82	1/4	1,267.04	1/4	1,542.17	1/4	1,817.17	1/4	2,093.80	1/4	2,370.56	1/4	2,647.30	1/4	2,919.30
1/2	164.63	1/2	445.28	1/2	722.34	1/2	998.60	1/2	1,272.81	1/2	1,547.87	1/2	1,822.94	1/2	2,099.57	1/2	2,376.33	1/2	2,653.03	1/2	2,923.67
3/4	170.44	3/4	451.10	3/4	728.08	3/4	1,004.37	3/4	1,278.59	3/4	1,553.57	3/4	1,828.71	3/4	2,105.34	3/4	2,382.09	3/4	2,658.75	3/4	2,928.04
7	176.26	7	456.92	7	733.82	7	1,010.15	7	1,284.36	7	1,559.26	7	1,834.48	7	2,111.11	7	2,387.86	7	2,664.48	7	2,932.42
1/4	182.07	1/4	462.74	1/4	739.56	1/4	1,015.92	1/4	1,290.13	1/4	1,564.96	1/4	1,840.25	1/4	2,116.87	1/4	2,393.62	1/4	2,670.21	1/4	2,935.82
1/2	187.88	1/2	468.57	1/2	745.31	1/2	1,021.70	1/2	1,295.91	1/2	1,570.66	1/2	1,846.02	1/2	2,122.64	1/2	2,399.39	1/2	2,675.93	1/2	
3/4	193.70	3/4	474.39	3/4	751.05	3/4	1,027.48	3/4	1,301.68	3/4	1,576.35	3/4	1,851.79	3/4	2,128.41	3/4	2,405.16	3/4	2,681.66	3/4	
8	199.51	8	480.21	8	756.79	8	1,033.25	8	1,307.45	8	1,582.05	8	1,857.56	8	2,134.18	8	2,410.92	8	2,687.39	8	
1/4	205.32	1/4	485.99	1/4	762.53	1/4	1,039.03	1/4	1,313.22	1/4	1,587.74	1/4	1,863.32	1/4	2,139.94	1/4	2,416.69	1/4	2,693.11	1/4	
1/2	211.14	1/2	491.76	1/2	768.28	1/2	1,044.80	1/2	1,319.00	1/2	1,593.44	1/2	1,869.09	1/2	2,145.71	1/2	2,422.46	1/2	2,698.84	1/2	
3/4	216.95	3/4	497.54	3/4	774.02	3/4	1,050.58	3/4	1,324.77	3/4	1,599.14	3/4	1,874.86	3/4	2,151.48	3/4	2,428.22	3/4	2,704.56	3/4	
9	222.76	9	503.31	9	779.76	9	1,056.36	9	1,330.54	9	1,604.83	9	1,880.63	9	2,157.24	9	2,433.99	9	2,710.29	9	
1/4	228.59	1/4	509.09	1/4	785.51	1/4	1,062.13	1/4	1,336.32	1/4	1,610.53	1/4	1,886.39	1/4	2,163.01	1/4	2,439.75	1/4	2,716.02	1/4	
1/2	234.41	1/2	514.86	1/2	791.25	1/2	1,067.91	1/2	1,342.09	1/2	1,616.23	1/2	1,892.15	1/2	2,168.78	1/2	2,445.52	1/2	2,721.74	1/2	
3/4	240.23	3/4	520.64	3/4	797.00	3/4	1,073.68	3/4	1,347.86	3/4	1,621.92	3/4	1,897.91	3/4	2,174.55	3/4	2,451.29	3/4	2,727.47	3/4	
10	246.06	10	526.42	10	802.74	10	1,079.46	10	1,353.64	10	1,627.62	10	1,903.67	10	2,180.31	10	2,457.05	10	2,733.20	10	
1/4	251.95	1/4	532.19	1/4	808.49	1/4	1,085.24	1/4	1,359.41	1/4	1,633.34	1/4	1,909.43	1/4	2,186.08	1/4	2,462.82	1/4	2,738.92	1/4	
1/2	257.84	1/2	537.97	1/2	814.23	1/2	1,091.01	1/2	1,365.18	1/2	1,639.05	1/2	1,915.19	1/2	2,191.84	1/2	2,468.59	1/2	2,744.65	1/2	
3/4	263.73	3/4	543.74	3/4	819.98	3/4	1,096.79	3/4	1,370.95	3/4	1,644.77	3/4	1,920.95	3/4	2,197.60	3/4	2,474.35	3/4	2,750.37	3/4	
11	269.62	11	549.52	11	825.73	11	1,102.56	11	1,376.73	11	1,650.49	11	1,926.71	11	2,203.36	11	2,480.12	11	2,756.10	11	
1/4	275.49	1/4	555.29	1/4	831.47	1/4	1,108.34	1/4	1,382.50	1/4	1,656.21	1/4	1,932.47	1/4	2,209.12	1/4	2,485.89	1/4	2,761.83	1/4	
1/2	281.37	1/2	561.07	1/2	837.22	1/2	1,114.12	1/2	1,388.27	1/2	1,661.93	1/2	1,938.24	1/2	2,214.88	1/2	2,491.65	1/2	2,767.55	1/2	
3/4	287.25	3/4	566.85	3/4	842.97	3/4	1,119.89	3/4	1,394.05	3/4	1,667.64	3/4	1,944.00	3/4	2,220.64	3/4	2,497.42	3/4	2,773.28	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 INNAGE GAUGES.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 48'-06" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 50'-06" FORWARD OF AFT BULKHEAD

STRAPPED: 04/14/2014 CL
CALCULATED: 04/14/2014 CL
PRINTED: 04/14/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

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

BARGE "MM 82"

ULLAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	- 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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4
3 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
3 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
4 PORT	00-3/4	- 00-3/4	01-1/2	- 01-1/2	02-1/4	- 02-1/4	03-0/8	- 03-0/8	03-3/4	- 03-3/4	04-1/2	- 04-1/2
4 STBD	00-3/4	- 00-3/4	01-1/2	- 01-1/2	02-1/4	- 02-1/4	03-0/8	- 03-0/8	03-3/4	- 03-3/4	04-1/2	- 04-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8'

LENGTH BETWEEN DRAFT MARKS: 237'-00"

April 14, 2014

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

http://www.pmacorp.net

BARGE "MM 82"

ULLAGE (8" HATCH)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2
2 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
3 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8
3 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8
4 PORT	00-7/8	- 00-7/8	01-3/4	- 01-3/4	02-5/8	- 02-5/8	03-3/8	- 03-3/8	04-1/4	- 04-1/4	05-1/8	- 05-1/8
4 STBD	00-7/8	- 00-7/8	01-3/4	- 01-3/4	02-5/8	- 02-5/8	03-3/8	- 03-3/8	04-1/4	- 04-1/4	05-1/8	- 05-1/8

(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 2 PORT IS - 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8'

LENGTH BETWEEN DRAFT MARKS: 237'-00"

April 14, 2014

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

http://www.pmacorp.net

BARGE "MM 82"
MAGNOLIA BARGE

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08"

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	2,380.00	0	2,126.44	0	1,872.58	0	1,618.65	0	1,364.71	0	1,110.84	0	857.72	0	605.73	0	353.24	0	131.08
1/4		1/4	2,374.75	1/4	2,121.15	1/4	1,867.29	1/4	1,613.36	1/4	1,359.42	1/4	1,105.55	1/4	852.42	1/4	600.50	1/4	348.07	1/4	126.92
1/2		1/2	2,369.51	1/2	2,115.86	1/2	1,862.00	1/2	1,608.07	1/2	1,354.13	1/2	1,100.26	1/2	847.13	1/2	595.28	1/2	342.91	1/2	122.76
3/4	2,607.34	3/4	2,364.26	3/4	2,110.57	3/4	1,856.71	3/4	1,602.77	3/4	1,348.84	3/4	1,094.97	3/4	841.84	3/4	590.06	3/4	337.74	3/4	118.60
1	2,604.25	1	2,359.01	1	2,105.28	1	1,851.42	1	1,597.48	1	1,343.55	1	1,089.68	1	836.55	1	584.83	1	332.57	1	114.44
1/4	2,600.29	1/4	2,353.76	1/4	2,099.99	1/4	1,846.13	1/4	1,592.19	1/4	1,338.26	1/4	1,084.39	1/4	831.26	1/4	579.61	1/4	327.48	1/4	110.36
1/2	2,596.32	1/2	2,348.51	1/2	2,094.70	1/2	1,840.84	1/2	1,586.90	1/2	1,332.97	1/2	1,079.10	1/2	825.97	1/2	574.38	1/2	322.40	1/2	106.28
3/4	2,592.35	3/4	2,343.26	3/4	2,089.41	3/4	1,835.55	3/4	1,581.61	3/4	1,327.68	3/4	1,073.81	3/4	820.67	3/4	569.16	3/4	317.31	3/4	102.20
2	2,588.38	2	2,338.01	2	2,084.12	2	1,830.26	2	1,576.32	2	1,322.39	2	1,068.52	2	815.38	2	563.93	2	312.23	2	98.12
1/4	2,583.53	1/4	2,332.72	1/4	2,078.83	1/4	1,824.97	1/4	1,571.03	1/4	1,317.10	1/4	1,063.26	1/4	810.09	1/4	558.71	1/4	307.22	1/4	94.22
1/2	2,578.68	1/2	2,327.43	1/2	2,073.54	1/2	1,819.68	1/2	1,565.74	1/2	1,311.81	1/2	1,058.00	1/2	804.80	1/2	553.49	1/2	302.22	1/2	90.32
3/4	2,573.83	3/4	2,322.14	3/4	2,068.25	3/4	1,814.39	3/4	1,560.45	3/4	1,306.52	3/4	1,052.75	3/4	799.51	3/4	548.26	3/4	297.21	3/4	86.42
3	2,568.98	3	2,316.85	3	2,062.97	3	1,809.10	3	1,555.16	3	1,301.23	3	1,047.49	3	794.21	3	543.04	3	292.21	3	82.51
1/4	2,563.73	1/4	2,311.56	1/4	2,057.68	1/4	1,803.81	1/4	1,549.87	1/4	1,295.94	1/4	1,042.23	1/4	788.96	1/4	537.81	1/4	287.29	1/4	78.80
1/2	2,558.48	1/2	2,306.27	1/2	2,052.39	1/2	1,798.52	1/2	1,544.58	1/2	1,290.65	1/2	1,036.98	1/2	783.70	1/2	532.59	1/2	282.37	1/2	75.09
3/4	2,553.23	3/4	2,300.98	3/4	2,047.10	3/4	1,793.23	3/4	1,539.29	3/4	1,285.36	3/4	1,031.72	3/4	778.44	3/4	527.37	3/4	277.45	3/4	71.37
4	2,547.99	4	2,295.69	4	2,041.81	4	1,787.94	4	1,534.00	4	1,280.07	4	1,026.46	4	773.18	4	522.14	4	272.52	4	67.66
1/4	2,542.74	1/4	2,290.41	1/4	2,036.52	1/4	1,782.64	1/4	1,528.71	1/4	1,274.79	1/4	1,021.21	1/4	767.93	1/4	516.92	1/4	267.69	1/4	64.04
1/2	2,537.49	1/2	2,285.12	1/2	2,031.23	1/2	1,777.35	1/2	1,523.42	1/2	1,269.50	1/2	1,015.96	1/2	762.67	1/2	511.69	1/2	262.85	1/2	60.42
3/4	2,532.24	3/4	2,279.83	3/4	2,025.94	3/4	1,772.06	3/4	1,518.13	3/4	1,264.22	3/4	1,010.70	3/4	757.41	3/4	506.46	3/4	258.01	3/4	56.80
5	2,526.99	5	2,274.54	5	2,020.65	5	1,766.77	5	1,512.84	5	1,258.94	5	1,005.45	5	752.15	5	501.24	5	253.17	5	53.18
1/4	2,521.74	1/4	2,269.25	1/4	2,015.36	1/4	1,761.48	1/4	1,507.55	1/4	1,253.66	1/4	1,000.20	1/4	746.92	1/4	495.95	1/4	248.61	1/4	49.65
1/2	2,516.49	1/2	2,263.96	1/2	2,010.07	1/2	1,756.19	1/2	1,502.26	1/2	1,248.38	1/2	994.95	1/2	741.68	1/2	490.65	1/2	244.05	1/2	46.12
3/4	2,511.24	3/4	2,258.67	3/4	2,004.78	3/4	1,750.90	3/4	1,496.97	3/4	1,243.10	3/4	989.69	3/4	736.45	3/4	485.36	3/4	239.50	3/4	42.59
6	2,505.99	6	2,253.38	6	1,999.49	6	1,745.61	6	1,491.68	6	1,237.82	6	984.44	6	731.21	6	480.07	6	234.94	6	39.05
1/4	2,500.74	1/4	2,248.09	1/4	1,994.20	1/4	1,740.32	1/4	1,486.39	1/4	1,232.53	1/4	979.18	1/4	725.98	1/4	474.78	1/4	230.46	1/4	35.63
1/2	2,495.49	1/2	2,242.80	1/2	1,988.92	1/2	1,735.03	1/2	1,481.10	1/2	1,227.24	1/2	973.93	1/2	720.74	1/2	469.49	1/2	225.99	1/2	32.21
3/4	2,490.24	3/4	2,237.51	3/4	1,983.63	3/4	1,729.74	3/4	1,475.81	3/4	1,221.95	3/4	968.67	3/4	715.50	3/4	464.20	3/4	221.51	3/4	28.79
7	2,484.99	7	2,232.22	7	1,978.34	7	1,724.45	7	1,470.52	7	1,216.66	7	963.41	7	710.27	7	458.91	7	217.04	7	25.37
1/4	2,479.74	1/4	2,226.93	1/4	1,973.05	1/4	1,719.16	1/4	1,465.23	1/4	1,211.36	1/4	958.15	1/4	705.04	1/4	453.61	1/4	212.65	1/4	22.75
1/2	2,474.49	1/2	2,221.64	1/2	1,967.76	1/2	1,713.87	1/2	1,459.94	1/2	1,206.07	1/2	952.90	1/2	699.81	1/2	448.32	1/2	208.25	1/2	20.13
3/4	2,469.24	3/4	2,216.36	3/4	1,962.47	3/4	1,708.58	3/4	1,454.65	3/4	1,200.78	3/4	947.64	3/4	694.58	3/4	443.03	3/4	203.86	3/4	17.51
8	2,463.99	8	2,211.07	8	1,957.18	8	1,703.29	8	1,449.36	8	1,195.49	8	942.38	8	689.35	8	437.74	8	199.47	8	14.88
1/4	2,458.75	1/4	2,205.78	1/4	1,951.90	1/4	1,698.00	1/4	1,444.07	1/4	1,190.20	1/4	937.09	1/4	684.13	1/4	432.45	1/4	195.17	1/4	
1/2	2,453.50	1/2	2,200.49	1/2	1,946.61	1/2	1,692.71	1/2	1,438.78	1/2	1,184.91	1/2	931.80	1/2	678.90	1/2	427.16	1/2	190.87	1/2	
3/4	2,448.25	3/4	2,195.20	3/4	1,941.33	3/4	1,687.42	3/4	1,433.49	3/4	1,179.62	3/4	926.51	3/4	673.67	3/4	421.87	3/4	186.57	3/4	
9	2,443.00	9	2,189.91	9	1,936.05	9	1,682.13	9	1,428.19	9	1,174.33	9	921.22	9	668.44	9	416.57	9	182.27	9	
1/4	2,437.75	1/4	2,184.62	1/4	1,930.76	1/4	1,676.84	1/4	1,422.90	1/4	1,169.04	1/4	915.92	1/4	663.21	1/4	411.28	1/4	178.05	1/4	
1/2	2,432.50	1/2	2,179.33	1/2	1,925.47	1/2	1,671.55	1/2	1,417.61	1/2	1,163.75	1/2	910.63	1/2	657.99	1/2	405.99	1/2	173.83	1/2	
3/4	2,427.25	3/4	2,174.04	3/4	1,920.19	3/4	1,666.26	3/4	1,412.32	3/4	1,158.46	3/4	905.34	3/4	652.76	3/4	400.70	3/4	169.62	3/4	
10	2,422.00	10	2,168.75	10	1,914.90	10	1,660.97	10	1,407.03	10	1,153.17	10	900.05	10	647.53	10	395.41	10	165.40	10	
1/4	2,416.75	1/4	2,163.46	1/4	1,909.61	1/4	1,655.68	1/4	1,401.74	1/4	1,147.88	1/4	894.76	1/4	642.30	1/4	390.12	1/4	161.06	1/4	
1/2	2,411.50	1/2	2,158.17	1/2	1,904.32	1/2	1,650.39	1/2	1,396.45	1/2	1,142.59	1/2	889.47	1/2	637.08	1/2	384.83	1/2	156.73	1/2	
3/4	2,406.25	3/4	2,152.88	3/4	1,899.03	3/4	1,645.10	3/4	1,391.16	3/4	1,137.30	3/4	884.17	3/4	631.85	3/4	379.53	3/4	152.39	3/4	
11	2,401.00	11	2,147.59	11	1,893.74	11	1,639.81	11	1,385.87	11	1,132.01	11	878.88	11	626.63	11	374.24	11	148.06	11	
1/4	2,395.75	1/4	2,142.31	1/4	1,888.45	1/4	1,634.52	1/4	1,380.58	1/4	1,126.72	1/4	873.59	1/4	621.40	1/4	368.99	1/4	143.81	1/4	
1/2	2,390.50	1/2	2,137.02	1/2	1,883.16	1/2	1,629.23	1/2	1,375.29	1/2	1,121.42	1/2	868.30	1/2	616.18	1/2	363.74	1/2	139.57	1/2	
3/4	2,385.25	3/4	2,131.73	3/4	1,877.87	3/4	1,623.94	3/4	1,370.00	3/4	1,116.13	3/4	863.01	3/4	610.95	3/4	358.49	3/4	135.33	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
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http://www.pmacorp.net

BARGE "MM 82"
MAGNOLIA BARGE

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08"

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	2,382.82	0	2,129.16	0	1,875.23	0	1,621.20	0	1,367.17	0	1,113.22	0	860.00	0	606.70	0	353.45	0	131.18
1/4		1/4	2,377.57	1/4	2,123.87	1/4	1,869.93	1/4	1,615.91	1/4	1,361.88	1/4	1,107.92	1/4	854.71	1/4	601.44	1/4	348.28	1/4	127.01
1/2		1/2	2,372.32	1/2	2,118.58	1/2	1,864.64	1/2	1,610.62	1/2	1,356.59	1/2	1,102.63	1/2	849.41	1/2	596.18	1/2	343.11	1/2	122.85
3/4	2,610.22	3/4	2,367.07	3/4	2,113.29	3/4	1,859.35	3/4	1,605.32	3/4	1,351.30	3/4	1,097.34	3/4	844.12	3/4	590.92	3/4	337.94	3/4	118.69
1	2,607.14	1	2,361.82	1	2,108.00	1	1,854.06	1	1,600.03	1	1,346.01	1	1,092.05	1	838.83	1	585.66	1	332.77	1	114.52
1/4	2,603.17	1/4	2,356.57	1/4	2,102.71	1/4	1,848.76	1/4	1,594.74	1/4	1,340.71	1/4	1,086.75	1/4	833.53	1/4	580.40	1/4	327.68	1/4	110.44
1/2	2,599.20	1/2	2,351.31	1/2	2,097.42	1/2	1,843.47	1/2	1,589.45	1/2	1,335.42	1/2	1,081.46	1/2	828.24	1/2	575.14	1/2	322.59	1/2	106.36
3/4	2,595.23	3/4	2,346.06	3/4	2,092.13	3/4	1,838.18	3/4	1,584.15	3/4	1,330.13	3/4	1,076.17	3/4	822.95	3/4	569.88	3/4	317.50	3/4	102.28
2	2,591.26	2	2,340.81	2	2,086.83	2	1,832.89	2	1,578.86	2	1,324.84	2	1,070.88	2	817.65	2	564.62	2	312.41	2	98.20
1/4	2,586.41	1/4	2,335.52	1/4	2,081.54	1/4	1,827.60	1/4	1,573.57	1/4	1,319.54	1/4	1,065.62	1/4	812.36	1/4	559.36	1/4	307.41	1/4	94.29
1/2	2,581.56	1/2	2,330.23	1/2	2,076.25	1/2	1,822.30	1/2	1,568.28	1/2	1,314.25	1/2	1,060.36	1/2	807.07	1/2	554.10	1/2	302.40	1/2	90.39
3/4	2,576.71	3/4	2,324.94	3/4	2,070.96	3/4	1,817.01	3/4	1,562.99	3/4	1,308.96	3/4	1,055.10	3/4	801.77	3/4	548.84	3/4	297.40	3/4	86.48
3	2,571.86	3	2,319.65	3	2,065.67	3	1,811.72	3	1,557.69	3	1,303.67	3	1,049.84	3	796.48	3	543.58	3	292.39	3	82.58
1/4	2,566.61	1/4	2,314.36	1/4	2,060.38	1/4	1,806.43	1/4	1,552.40	1/4	1,298.38	1/4	1,044.58	1/4	791.19	1/4	538.32	1/4	287.47	1/4	78.86
1/2	2,561.36	1/2	2,309.07	1/2	2,055.09	1/2	1,801.13	1/2	1,547.11	1/2	1,293.08	1/2	1,039.33	1/2	785.89	1/2	533.06	1/2	282.54	1/2	75.14
3/4	2,556.11	3/4	2,303.77	3/4	2,049.80	3/4	1,795.84	3/4	1,541.82	3/4	1,287.79	3/4	1,034.07	3/4	780.60	3/4	527.80	3/4	277.62	3/4	71.43
4	2,550.86	4	2,298.48	4	2,044.51	4	1,790.55	4	1,536.52	4	1,282.50	4	1,028.81	4	775.30	4	522.54	4	272.70	4	67.71
1/4	2,545.61	1/4	2,293.19	1/4	2,039.21	1/4	1,785.26	1/4	1,531.23	1/4	1,277.22	1/4	1,023.55	1/4	770.01	1/4	517.28	1/4	267.86	1/4	64.09
1/2	2,540.35	1/2	2,287.90	1/2	2,033.92	1/2	1,779.97	1/2	1,525.94	1/2	1,271.93	1/2	1,018.30	1/2	764.72	1/2	512.02	1/2	263.01	1/2	60.47
3/4	2,535.10	3/4	2,282.61	3/4	2,028.63	3/4	1,774.67	3/4	1,520.65	3/4	1,266.65	3/4	1,013.04	3/4	759.42	3/4	506.75	3/4	258.17	3/4	56.84
5	2,529.85	5	2,277.32	5	2,023.34	5	1,769.38	5	1,515.36	5	1,261.37	5	1,007.79	5	754.13	5	501.49	5	253.33	5	53.22
1/4	2,524.60	1/4	2,272.03	1/4	2,018.05	1/4	1,764.09	1/4	1,510.06	1/4	1,256.08	1/4	1,002.53	1/4	748.86	1/4	496.20	1/4	248.77	1/4	49.68
1/2	2,519.35	1/2	2,266.74	1/2	2,012.76	1/2	1,758.80	1/2	1,504.77	1/2	1,250.80	1/2	997.28	1/2	743.59	1/2	490.90	1/2	244.21	1/2	46.15
3/4	2,514.10	3/4	2,261.44	3/4	2,007.47	3/4	1,753.50	3/4	1,499.48	3/4	1,245.52	3/4	992.02	3/4	738.32	3/4	485.61	3/4	239.65	3/4	42.62
6	2,508.85	6	2,256.15	6	2,002.18	6	1,748.21	6	1,494.19	6	1,240.23	6	986.77	6	733.04	6	480.32	6	235.09	6	39.08
1/4	2,503.60	1/4	2,250.86	1/4	1,996.88	1/4	1,742.92	1/4	1,488.89	1/4	1,234.94	1/4	981.51	1/4	727.77	1/4	475.03	1/4	230.62	1/4	35.66
1/2	2,498.35	1/2	2,245.57	1/2	1,991.59	1/2	1,737.63	1/2	1,483.60	1/2	1,229.65	1/2	976.25	1/2	722.50	1/2	469.73	1/2	226.14	1/2	32.23
3/4	2,493.09	3/4	2,240.28	3/4	1,986.30	3/4	1,732.34	3/4	1,478.31	3/4	1,224.36	3/4	970.99	3/4	717.23	3/4	464.44	3/4	221.66	3/4	28.81
7	2,487.84	7	2,234.99	7	1,981.01	7	1,727.04	7	1,473.02	7	1,219.06	7	965.73	7	711.96	7	459.15	7	217.18	7	25.39
1/4	2,482.59	1/4	2,229.70	1/4	1,975.72	1/4	1,721.75	1/4	1,467.73	1/4	1,213.77	1/4	960.47	1/4	706.69	1/4	453.85	1/4	212.79	1/4	22.76
1/2	2,477.34	1/2	2,224.41	1/2	1,970.43	1/2	1,716.46	1/2	1,462.43	1/2	1,208.48	1/2	955.21	1/2	701.43	1/2	448.56	1/2	208.39	1/2	20.14
3/4	2,472.09	3/4	2,219.11	3/4	1,965.14	3/4	1,711.17	3/4	1,457.14	3/4	1,203.19	3/4	949.96	3/4	696.17	3/4	443.27	3/4	204.00	3/4	17.51
8	2,466.84	8	2,213.82	8	1,959.85	8	1,705.88	8	1,451.85	8	1,197.90	8	944.70	8	690.90	8	437.97	8	199.60	8	14.89
1/4	2,461.59	1/4	2,208.53	1/4	1,954.56	1/4	1,700.58	1/4	1,446.56	1/4	1,192.60	1/4	939.40	1/4	685.64	1/4	432.68	1/4	195.30	1/4	~~14.89~~
1/2	2,456.34	1/2	2,203.24	1/2	1,949.27	1/2	1,695.29	1/2	1,441.27	1/2	1,187.31	1/2	934.11	1/2	680.37	1/2	427.39	1/2	191.00	1/2	
3/4	2,451.09	3/4	2,197.95	3/4	1,943.99	3/4	1,690.00	3/4	1,435.97	3/4	1,182.02	3/4	928.82	3/4	675.11	3/4	422.09	3/4	186.70	3/4	
9	2,445.83	9	2,192.66	9	1,938.70	9	1,684.71	9	1,430.68	9	1,176.73	9	923.52	9	669.85	9	416.80	9	182.39	9	
1/4	2,440.58	1/4	2,187.37	1/4	1,933.42	1/4	1,679.41	1/4	1,425.39	1/4	1,171.43	1/4	918.23	1/4	664.58	1/4	411.51	1/4	178.17	1/4	
1/2	2,435.33	1/2	2,182.08	1/2	1,928.13	1/2	1,674.12	1/2	1,420.10	1/2	1,166.14	1/2	912.94	1/2	659.32	1/2	406.21	1/2	173.95	1/2	
3/4	2,430.08	3/4	2,176.79	3/4	1,922.85	3/4	1,668.83	3/4	1,414.80	3/4	1,160.85	3/4	907.64	3/4	654.05	3/4	400.92	3/4	169.73	3/4	
10	2,424.83	10	2,171.49	10	1,917.56	10	1,663.54	10	1,409.51	10	1,155.56	10	902.35	10	648.79	10	395.63	10	165.51	10	
1/4	2,419.58	1/4	2,166.20	1/4	1,912.27	1/4	1,658.25	1/4	1,404.22	1/4	1,150.26	1/4	897.06	1/4	643.53	1/4	390.33	1/4	161.17	1/4	
1/2	2,414.33	1/2	2,160.91	1/2	1,906.98	1/2	1,652.95	1/2	1,398.93	1/2	1,144.97	1/2	891.76	1/2	638.26	1/2	385.04	1/2	156.84	1/2	
3/4	2,409.08	3/4	2,155.62	3/4	1,901.69	3/4	1,647.66	3/4	1,393.64	3/4	1,139.68	3/4	886.47	3/4	633.00	3/4	379.75	3/4	152.50	3/4	
11	2,403.83	11	2,150.33	11	1,896.39	11	1,642.37	11	1,388.34	11	1,134.39	11	881.17	11	627.74	11	374.45	11	148.16	11	
1/4	2,398.57	1/4	2,145.04	1/4	1,891.10	1/4	1,637.08	1/4	1,383.05	1/4	1,129.09	1/4	875.88	1/4	622.48	1/4	369.20	1/4	143.91	1/4	
1/2	2,393.32	1/2	2,139.75	1/2	1,885.81	1/2	1,631.78	1/2	1,377.76	1/2	1,123.80	1/2	870.59	1/2	617.22	1/2	363.95	1/2	139.67	1/2	
3/4	2,388.07	3/4	2,134.46	3/4	1,880.52	3/4	1,626.49	3/4	1,372.47	3/4	1,118.51	3/4	865.29	3/4	611.96	3/4	358.70	3/4	135.42	3/4	

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BARGE "MM 82"
MAGNOLIA BARGE

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08"

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	2,661.66	0	2,384.87	0	2,107.80	0	1,830.64	0	1,553.48	0	1,276.39	0	1,002.40	0	735.65	0	464.48	0	191.84
1/4		1/4	2,655.93	1/4	2,379.10	1/4	2,102.02	1/4	1,824.87	1/4	1,547.71	1/4	1,270.62	1/4	996.62	1/4	730.18	1/4	458.71	1/4	186.08
1/2		1/2	2,650.19	1/2	2,373.33	1/2	2,096.25	1/2	1,819.09	1/2	1,541.94	1/2	1,264.85	1/2	990.85	1/2	724.71	1/2	452.93	1/2	180.33
3/4	2,909.91	3/4	2,644.46	3/4	2,367.55	3/4	2,090.48	3/4	1,813.32	3/4	1,536.16	3/4	1,259.07	3/4	985.07	3/4	719.23	3/4	447.16	3/4	174.58
1	2,906.54	1	2,638.73	1	2,361.78	1	2,084.70	1	1,807.54	1	1,530.39	1	1,253.30	1	979.30	1	713.76	1	441.38	1	168.82
1/4	2,902.21	1/4	2,632.99	1/4	2,356.01	1/4	2,078.93	1/4	1,801.77	1/4	1,524.61	1/4	1,247.52	1/4	973.52	1/4	708.29	1/4	435.61	1/4	163.07
1/2	2,897.88	1/2	2,627.26	1/2	2,350.23	1/2	2,073.15	1/2	1,796.00	1/2	1,518.84	1/2	1,241.75	1/2	967.75	1/2	702.81	1/2	429.83	1/2	157.31
3/4	2,893.55	3/4	2,621.53	3/4	2,344.46	3/4	2,067.38	3/4	1,790.22	3/4	1,513.07	3/4	1,235.97	3/4	961.97	3/4	697.34	3/4	424.06	3/4	151.56
2	2,889.22	2	2,615.80	2	2,338.69	2	2,061.61	2	1,784.45	2	1,507.29	2	1,230.20	2	956.19	2	691.87	2	418.28	2	145.80
1/4	2,883.93	1/4	2,610.02	1/4	2,332.91	1/4	2,055.83	1/4	1,778.67	1/4	1,501.52	1/4	1,224.56	1/4	950.42	1/4	686.40	1/4	412.51	1/4	140.15
1/2	2,878.64	1/2	2,604.25	1/2	2,327.14	1/2	2,050.06	1/2	1,772.90	1/2	1,495.74	1/2	1,218.92	1/2	944.64	1/2	680.92	1/2	406.73	1/2	134.50
3/4	2,873.34	3/4	2,598.48	3/4	2,321.37	3/4	2,044.28	3/4	1,767.13	3/4	1,489.97	3/4	1,213.27	3/4	938.87	3/4	675.45	3/4	400.96	3/4	128.85
3	2,868.05	3	2,592.70	3	2,315.59	3	2,038.51	3	1,761.35	3	1,484.20	3	1,207.63	3	933.09	3	669.98	3	395.18	3	123.20
1/4	2,862.32	1/4	2,586.93	1/4	2,309.82	1/4	2,032.73	1/4	1,755.58	1/4	1,478.42	1/4	1,201.99	1/4	927.59	1/4	664.50	1/4	389.41	1/4	117.66
1/2	2,856.59	1/2	2,581.16	1/2	2,304.05	1/2	2,026.96	1/2	1,749.80	1/2	1,472.65	1/2	1,196.34	1/2	922.08	1/2	659.03	1/2	383.63	1/2	112.13
3/4	2,850.85	3/4	2,575.38	3/4	2,298.27	3/4	2,021.19	3/4	1,744.03	3/4	1,466.87	3/4	1,190.70	3/4	916.57	3/4	653.56	3/4	377.86	3/4	106.60
4	2,845.12	4	2,569.61	4	2,292.50	4	2,015.41	4	1,738.26	4	1,461.10	4	1,185.06	4	911.07	4	648.09	4	372.08	4	101.06
1/4	2,839.39	1/4	2,563.84	1/4	2,286.73	1/4	2,009.64	1/4	1,732.48	1/4	1,455.33	1/4	1,179.42	1/4	905.56	1/4	642.61	1/4	366.30	1/4	95.54
1/2	2,833.65	1/2	2,558.06	1/2	2,280.96	1/2	2,003.86	1/2	1,726.71	1/2	1,449.57	1/2	1,173.78	1/2	900.05	1/2	637.14	1/2	360.53	1/2	90.02
3/4	2,827.92	3/4	2,552.29	3/4	2,275.18	3/4	1,998.09	3/4	1,720.93	3/4	1,443.80	3/4	1,168.14	3/4	894.55	3/4	631.66	3/4	354.75	3/4	84.49
5	2,822.19	5	2,546.52	5	2,269.41	5	1,992.32	5	1,715.16	5	1,438.04	5	1,162.50	5	889.04	5	626.19	5	348.98	5	78.97
1/4	2,816.45	1/4	2,540.74	1/4	2,263.64	1/4	1,986.54	1/4	1,709.39	1/4	1,432.27	1/4	1,156.86	1/4	883.56	1/4	620.41	1/4	343.42	1/4	73.45
1/2	2,810.72	1/2	2,534.97	1/2	2,257.86	1/2	1,980.77	1/2	1,703.61	1/2	1,426.51	1/2	1,151.23	1/2	878.07	1/2	614.64	1/2	337.86	1/2	67.94
3/4	2,804.99	3/4	2,529.20	3/4	2,252.09	3/4	1,974.99	3/4	1,697.84	3/4	1,420.74	3/4	1,145.59	3/4	872.59	3/4	608.86	3/4	332.31	3/4	62.42
6	2,799.25	6	2,523.43	6	2,246.32	6	1,969.22	6	1,692.06	6	1,414.98	6	1,139.95	6	867.10	6	603.09	6	326.75	6	56.91
1/4	2,793.52	1/4	2,517.65	1/4	2,240.54	1/4	1,963.45	1/4	1,686.29	1/4	1,409.20	1/4	1,134.30	1/4	861.62	1/4	597.31	1/4	321.19	1/4	51.43
1/2	2,787.79	1/2	2,511.88	1/2	2,234.77	1/2	1,957.67	1/2	1,680.51	1/2	1,403.43	1/2	1,128.66	1/2	856.13	1/2	591.54	1/2	315.63	1/2	45.94
3/4	2,782.06	3/4	2,506.11	3/4	2,229.00	3/4	1,951.90	3/4	1,674.74	3/4	1,397.66	3/4	1,123.02	3/4	850.65	3/4	585.76	3/4	310.08	3/4	40.46
7	2,776.32	7	2,500.33	7	2,223.22	7	1,946.12	7	1,668.97	7	1,391.88	7	1,117.38	7	845.17	7	579.99	7	304.52	7	34.98
1/4	2,770.59	1/4	2,494.56	1/4	2,217.45	1/4	1,940.35	1/4	1,663.19	1/4	1,386.11	1/4	1,111.73	1/4	839.69	1/4	574.21	1/4	298.96	1/4	30.28
1/2	2,764.86	1/2	2,488.79	1/2	2,211.68	1/2	1,934.58	1/2	1,657.42	1/2	1,380.33	1/2	1,106.09	1/2	834.21	1/2	568.44	1/2	293.40	1/2	25.57
3/4	2,759.12	3/4	2,483.01	3/4	2,205.91	3/4	1,928.80	3/4	1,651.64	3/4	1,374.56	3/4	1,100.45	3/4	828.73	3/4	562.66	3/4	287.85	3/4	20.87
8	2,753.39	8	2,477.24	8	2,200.13	8	1,923.03	8	1,645.87	8	1,368.78	8	1,094.81	8	823.26	8	556.89	8	282.29	8	16.17
1/4	2,747.66	1/4	2,471.47	1/4	2,194.36	1/4	1,917.25	1/4	1,640.10	1/4	1,363.01	1/4	1,089.03	1/4	817.78	1/4	551.11	1/4	276.74	1/4	
1/2	2,741.92	1/2	2,465.69	1/2	2,188.60	1/2	1,911.48	1/2	1,634.32	1/2	1,357.24	1/2	1,083.26	1/2	812.30	1/2	545.34	1/2	271.20	1/2	
3/4	2,736.19	3/4	2,459.92	3/4	2,182.83	3/4	1,905.70	3/4	1,628.55	3/4	1,351.46	3/4	1,077.48	3/4	806.83	3/4	539.56	3/4	265.65	3/4	
9	2,730.46	9	2,454.15	9	2,177.06	9	1,899.93	9	1,622.77	9	1,345.69	9	1,071.70	9	801.35	9	533.79	9	260.10	9	
1/4	2,724.72	1/4	2,448.38	1/4	2,171.29	1/4	1,894.16	1/4	1,617.00	1/4	1,339.91	1/4	1,065.93	1/4	795.87	1/4	528.01	1/4	254.55	1/4	
1/2	2,718.99	1/2	2,442.60	1/2	2,165.53	1/2	1,888.38	1/2	1,611.23	1/2	1,334.14	1/2	1,060.15	1/2	790.40	1/2	522.24	1/2	249.01	1/2	
3/4	2,713.26	3/4	2,436.83	3/4	2,159.76	3/4	1,882.61	3/4	1,605.45	3/4	1,328.36	3/4	1,054.38	3/4	784.92	3/4	516.46	3/4	243.46	3/4	
10	2,707.52	10	2,431.06	10	2,153.99	10	1,876.83	10	1,599.68	10	1,322.59	10	1,048.60	10	779.44	10	510.68	10	237.91	10	
1/4	2,701.79	1/4	2,425.28	1/4	2,148.22	1/4	1,871.06	1/4	1,593.90	1/4	1,316.81	1/4	1,042.83	1/4	773.97	1/4	504.91	1/4	232.15	1/4	
1/2	2,696.06	1/2	2,419.51	1/2	2,142.44	1/2	1,865.29	1/2	1,588.13	1/2	1,311.04	1/2	1,037.05	1/2	768.49	1/2	499.13	1/2	226.38	1/2	
3/4	2,690.33	3/4	2,413.74	3/4	2,136.67	3/4	1,859.51	3/4	1,582.35	3/4	1,305.27	3/4	1,031.28	3/4	763.02	3/4	493.36	3/4	220.62	3/4	
11	2,684.59	11	2,407.96	11	2,130.89	11	1,853.74	11	1,576.58	11	1,299.49	11	1,025.50	11	757.54	11	487.58	11	214.86	11	
1/4	2,678.86	1/4	2,402.19	1/4	2,125.12	1/4	1,847.96	1/4	1,570.81	1/4	1,293.72	1/4	1,019.72	1/4	752.07	1/4	481.81	1/4	209.10	1/4	
1/2	2,673.13	1/2	2,396.42	1/2	2,119.35	1/2	1,842.19	1/2	1,565.03	1/2	1,287.94	1/2	1,013.95	1/2	746.60	1/2	476.03	1/2	203.35	1/2	
3/4	2,667.39	3/4	2,390.64	3/4	2,113.57	3/4	1,836.42	3/4	1,559.26	3/4	1,282.17	3/4	1,008.17	3/4	741.12	3/4	470.26	3/4	197.59	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: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 32'-06" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 34'-06" FORWARD OF AFT BULKHEAD

STRAPPED: 04/14/2014 CL
CALCULATED: 04/14/2014 CL
PRINTED: 04/14/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

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

BARGE "MM 82"
MAGNOLIA BARGE

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08 1/4"

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	2,681.21	0	2,404.59	0	2,127.65	0	1,850.62	0	1,573.60	0	1,296.64	0	1,022.77	0	746.43	0	470.04	0	197.50
1/4		1/4	2,675.48	1/4	2,398.82	1/4	2,121.88	1/4	1,844.85	1/4	1,567.82	1/4	1,290.86	1/4	1,016.99	1/4	740.69	1/4	464.27	1/4	191.75
1/2		1/2	2,669.75	1/2	2,393.05	1/2	2,116.11	1/2	1,839.08	1/2	1,562.05	1/2	1,285.09	1/2	1,011.22	1/2	734.95	1/2	458.50	1/2	186.00
3/4		3/4	2,664.02	3/4	2,387.28	3/4	2,110.34	3/4	1,833.31	3/4	1,556.28	3/4	1,279.32	3/4	1,005.45	3/4	729.21	3/4	452.72	3/4	180.25
1	2,923.62	1	2,658.29	1	2,381.51	1	2,104.56	1	1,827.54	1	1,550.51	1	1,273.55	1	999.68	1	723.47	1	446.95	1	174.49
1/4	2,920.26	1/4	2,652.56	1/4	2,375.74	1/4	2,098.79	1/4	1,821.77	1/4	1,544.74	1/4	1,267.78	1/4	993.90	1/4	717.73	1/4	441.18	1/4	168.74
1/2	2,915.93	1/2	2,646.83	1/2	2,369.97	1/2	2,093.02	1/2	1,815.99	1/2	1,538.97	1/2	1,262.01	1/2	988.13	1/2	711.99	1/2	435.41	1/2	162.99
3/4	2,911.60	3/4	2,641.10	3/4	2,364.20	3/4	2,087.25	3/4	1,810.22	3/4	1,533.20	3/4	1,256.23	3/4	982.36	3/4	706.25	3/4	429.63	3/4	157.24
2	2,907.27	2	2,635.37	2	2,358.43	2	2,081.48	2	1,804.45	2	1,527.42	2	1,250.46	2	976.58	2	700.52	2	423.86	2	151.49
1/4	2,902.94	1/4	2,629.64	1/4	2,352.66	1/4	2,075.71	1/4	1,798.68	1/4	1,521.65	1/4	1,244.69	1/4	970.81	1/4	694.78	1/4	418.09	1/4	145.74
1/2	2,897.65	1/2	2,623.87	1/2	2,346.89	1/2	2,069.94	1/2	1,792.91	1/2	1,515.88	1/2	1,239.05	1/2	965.04	1/2	689.04	1/2	412.32	1/2	140.09
3/4	2,892.36	3/4	2,618.10	3/4	2,341.12	3/4	2,064.16	3/4	1,787.14	3/4	1,510.11	3/4	1,233.41	3/4	959.27	3/4	683.30	3/4	406.54	3/4	134.44
3	2,887.07	3	2,612.33	3	2,335.35	3	2,058.39	3	1,781.37	3	1,504.34	3	1,227.77	3	953.49	3	677.56	3	400.77	3	128.79
1/4	2,881.78	1/4	2,606.56	1/4	2,329.58	1/4	2,052.62	1/4	1,775.59	1/4	1,498.57	1/4	1,222.13	1/4	947.72	1/4	671.82	1/4	395.00	1/4	123.14
1/2	2,876.05	1/2	2,600.79	1/2	2,323.81	1/2	2,046.85	1/2	1,769.82	1/2	1,492.80	1/2	1,216.49	1/2	941.95	1/2	666.08	1/2	389.23	1/2	117.61
3/4	2,870.32	3/4	2,595.02	3/4	2,318.04	3/4	2,041.08	3/4	1,764.05	3/4	1,487.02	3/4	1,210.85	3/4	936.18	3/4	660.34	3/4	383.45	3/4	112.08
4	2,864.59	4	2,589.25	4	2,312.27	4	2,035.31	4	1,758.28	4	1,481.25	4	1,205.21	4	930.40	4	654.60	4	377.68	4	106.55
1/4	2,858.86	1/4	2,583.47	1/4	2,306.50	1/4	2,029.54	1/4	1,752.51	1/4	1,475.48	1/4	1,199.57	1/4	924.63	1/4	648.86	1/4	371.91	1/4	101.01
1/2	2,853.13	1/2	2,577.70	1/2	2,300.73	1/2	2,023.76	1/2	1,746.74	1/2	1,469.72	1/2	1,193.93	1/2	918.86	1/2	643.12	1/2	366.14	1/2	95.49
3/4	2,847.40	3/4	2,571.93	3/4	2,294.96	3/4	2,017.99	3/4	1,740.97	3/4	1,463.96	3/4	1,188.30	3/4	913.08	3/4	637.38	3/4	360.36	3/4	89.97
5	2,841.67	5	2,566.16	5	2,289.18	5	2,012.22	5	1,735.19	5	1,458.19	5	1,182.66	5	907.31	5	631.64	5	354.59	5	84.45
1/4	2,835.94	1/4	2,560.39	1/4	2,283.41	1/4	2,006.45	1/4	1,729.42	1/4	1,452.43	1/4	1,177.03	1/4	901.54	1/4	625.90	1/4	348.82	1/4	78.93
1/2	2,830.21	1/2	2,554.62	1/2	2,277.64	1/2	2,000.68	1/2	1,723.65	1/2	1,446.67	1/2	1,171.39	1/2	895.79	1/2	620.13	1/2	343.26	1/2	73.42
3/4	2,824.48	3/4	2,548.85	3/4	2,271.87	3/4	1,994.91	3/4	1,717.88	3/4	1,440.91	3/4	1,165.75	3/4	890.04	3/4	614.35	3/4	337.71	3/4	67.91
6	2,818.74	6	2,543.08	6	2,266.10	6	1,989.14	6	1,712.11	6	1,435.14	6	1,160.12	6	884.29	6	608.58	6	332.15	6	62.40
1/4	2,813.01	1/4	2,537.31	1/4	2,260.33	1/4	1,983.37	1/4	1,706.34	1/4	1,429.38	1/4	1,154.48	1/4	878.54	1/4	602.81	1/4	326.60	1/4	56.88
1/2	2,807.28	1/2	2,531.54	1/2	2,254.56	1/2	1,977.59	1/2	1,700.57	1/2	1,423.61	1/2	1,148.84	1/2	872.78	1/2	597.04	1/2	321.04	1/2	51.40
3/4	2,801.55	3/4	2,525.77	3/4	2,248.79	3/4	1,971.82	3/4	1,694.80	3/4	1,417.84	3/4	1,143.20	3/4	867.03	3/4	591.26	3/4	315.49	3/4	45.92
7	2,795.82	7	2,520.00	7	2,243.02	7	1,966.05	7	1,689.02	7	1,412.07	7	1,137.56	7	861.28	7	585.49	7	309.93	7	40.44
1/4	2,790.09	1/4	2,514.23	1/4	2,237.25	1/4	1,960.28	1/4	1,683.25	1/4	1,406.30	1/4	1,131.92	1/4	855.53	1/4	579.72	1/4	304.38	1/4	34.96
1/2	2,784.36	1/2	2,508.46	1/2	2,231.48	1/2	1,954.51	1/2	1,677.48	1/2	1,400.52	1/2	1,126.28	1/2	849.79	1/2	573.95	1/2	298.82	1/2	30.26
3/4	2,778.63	3/4	2,502.69	3/4	2,225.71	3/4	1,948.74	3/4	1,671.71	3/4	1,394.75	3/4	1,120.64	3/4	844.05	3/4	568.17	3/4	293.27	3/4	25.56
8	2,772.90	8	2,496.92	8	2,219.94	8	1,942.97	8	1,665.94	8	1,388.98	8	1,115.00	8	838.30	8	562.40	8	287.71	8	20.86
1/4	2,767.17	1/4	2,491.15	1/4	2,214.17	1/4	1,937.19	1/4	1,660.17	1/4	1,383.21	1/4	1,109.36	1/4	832.56	1/4	556.63	1/4	282.16	1/4	16.16
1/2	2,761.44	1/2	2,485.38	1/2	2,208.40	1/2	1,931.42	1/2	1,654.40	1/2	1,377.44	1/2	1,103.59	1/2	826.82	1/2	550.86	1/2	276.62	1/2	
3/4	2,755.71	3/4	2,479.61	3/4	2,202.64	3/4	1,925.65	3/4	1,648.62	3/4	1,371.67	3/4	1,097.81	3/4	821.07	3/4	545.08	3/4	271.07	3/4	
9	2,749.98	9	2,473.84	9	2,196.88	9	1,919.88	9	1,642.85	9	1,365.89	9	1,092.04	9	815.33	9	539.31	9	265.53	9	
1/4	2,744.25	1/4	2,468.07	1/4	2,191.11	1/4	1,914.11	1/4	1,637.08	1/4	1,360.12	1/4	1,086.27	1/4	809.59	1/4	533.54	1/4	259.98	1/4	
1/2	2,738.52	1/2	2,462.30	1/2	2,185.35	1/2	1,908.34	1/2	1,631.31	1/2	1,354.35	1/2	1,080.50	1/2	803.84	1/2	527.77	1/2	254.44	1/2	
3/4	2,732.79	3/4	2,456.53	3/4	2,179.58	3/4	1,902.57	3/4	1,625.54	3/4	1,348.58	3/4	1,074.72	3/4	798.10	3/4	521.99	3/4	248.89	3/4	
10	2,727.06	10	2,450.76	10	2,173.82	10	1,896.79	10	1,619.77	10	1,342.81	10	1,068.95	10	792.36	10	516.22	10	243.35	10	
1/4	2,721.33	1/4	2,444.99	1/4	2,168.05	1/4	1,891.02	1/4	1,614.00	1/4	1,337.04	1/4	1,063.18	1/4	786.61	1/4	510.45	1/4	237.80	1/4	
1/2	2,715.60	1/2	2,439.22	1/2	2,162.28	1/2	1,885.25	1/2	1,608.22	1/2	1,331.27	1/2	1,057.40	1/2	780.87	1/2	504.68	1/2	232.04	1/2	
3/4	2,709.87	3/4	2,433.44	3/4	2,156.51	3/4	1,879.48	3/4	1,602.45	3/4	1,325.49	3/4	1,051.63	3/4	775.13	3/4	498.90	3/4	226.28	3/4	
11	2,704.13	11	2,427.67	11	2,150.74	11	1,873.71	11	1,596.68	11	1,319.72	11	1,045.86	11	769.39	11	493.13	11	220.52	11	
1/4	2,698.40	1/4	2,421.90	1/4	2,144.96	1/4	1,867.94	1/4	1,590.91	1/4	1,313.95	1/4	1,040.09	1/4	763.65	1/4	487.36	1/4	214.76	1/4	
1/2	2,692.67	1/2	2,416.13	1/2	2,139.19	1/2	1,862.17	1/2	1,585.14	1/2	1,308.18	1/2	1,034.31	1/2	757.91	1/2	481.59	1/2	209.01	1/2	
3/4	2,686.94	3/4	2,410.36	3/4	2,133.42	3/4	1,856.39	3/4	1,579.37	3/4	1,302.41	3/4	1,028.54	3/4	752.17	3/4	475.81	3/4	203.25	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "MM 82"
MAGNOLIA BARGE

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08 1/4"

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	2,629.85	0	2,356.97	0	2,083.77	0	1,810.48	0	1,537.19	0	1,263.97	0	993.85	0	730.67	0	463.68	0	194.83
1/4		1/4	2,624.19	1/4	2,351.27	1/4	2,078.07	1/4	1,804.79	1/4	1,531.50	1/4	1,258.28	1/4	988.15	1/4	725.28	1/4	457.98	1/4	189.16
1/2		1/2	2,618.54	1/2	2,345.58	1/2	2,072.38	1/2	1,799.09	1/2	1,525.80	1/2	1,252.58	1/2	982.46	1/2	719.89	1/2	452.29	1/2	183.49
3/4		3/4	2,612.89	3/4	2,339.89	3/4	2,066.69	3/4	1,793.40	3/4	1,520.11	3/4	1,246.89	3/4	976.76	3/4	714.50	3/4	446.60	3/4	177.81
1	2,868.96	1	2,607.24	1	2,334.20	1	2,060.99	1	1,787.70	1	1,514.42	1	1,241.20	1	971.07	1	709.11	1	440.90	1	172.14
1/4	2,865.64	1/4	2,601.58	1/4	2,328.50	1/4	2,055.30	1/4	1,782.01	1/4	1,508.72	1/4	1,235.50	1/4	965.37	1/4	703.71	1/4	435.21	1/4	166.46
1/2	2,861.37	1/2	2,595.93	1/2	2,322.81	1/2	2,049.61	1/2	1,776.32	1/2	1,503.03	1/2	1,229.81	1/2	959.68	1/2	698.32	1/2	429.51	1/2	160.79
3/4	2,857.10	3/4	2,590.28	3/4	2,317.12	3/4	2,043.91	3/4	1,770.62	3/4	1,497.34	3/4	1,224.12	3/4	953.98	3/4	692.93	3/4	423.82	3/4	155.12
2	2,852.83	2	2,584.63	2	2,311.43	2	2,038.22	2	1,764.93	2	1,491.64	2	1,218.42	2	948.29	2	687.54	2	418.12	2	149.44
1/4	2,848.56	1/4	2,578.97	1/4	2,305.73	1/4	2,032.53	1/4	1,759.24	1/4	1,485.95	1/4	1,212.73	1/4	942.59	1/4	682.14	1/4	412.43	1/4	143.77
1/2	2,843.34	1/2	2,573.28	1/2	2,300.04	1/2	2,026.83	1/2	1,753.54	1/2	1,480.26	1/2	1,207.17	1/2	936.90	1/2	676.75	1/2	406.73	1/2	138.20
3/4	2,838.12	3/4	2,567.59	3/4	2,294.35	3/4	2,021.14	3/4	1,747.85	3/4	1,474.56	3/4	1,201.60	3/4	931.20	3/4	671.36	3/4	401.04	3/4	132.63
3	2,832.90	3	2,561.90	3	2,288.66	3	2,015.44	3	1,742.16	3	1,468.87	3	1,196.04	3	925.51	3	665.97	3	395.34	3	127.05
1/4	2,827.68	1/4	2,556.20	1/4	2,282.96	1/4	2,009.75	1/4	1,736.46	1/4	1,463.18	1/4	1,190.48	1/4	919.81	1/4	660.58	1/4	389.65	1/4	121.48
1/2	2,822.03	1/2	2,550.51	1/2	2,277.27	1/2	2,004.06	1/2	1,730.77	1/2	1,457.48	1/2	1,184.92	1/2	914.39	1/2	655.18	1/2	383.96	1/2	116.02
3/4	2,816.38	3/4	2,544.82	3/4	2,271.58	3/4	1,998.36	3/4	1,725.08	3/4	1,451.79	3/4	1,179.36	3/4	908.96	3/4	649.79	3/4	378.26	3/4	110.57
4	2,810.72	4	2,539.13	4	2,265.89	4	1,992.67	4	1,719.38	4	1,446.09	4	1,173.79	4	903.54	4	644.40	4	372.57	4	105.11
1/4	2,805.07	1/4	2,533.43	1/4	2,260.19	1/4	1,986.98	1/4	1,713.69	1/4	1,440.40	1/4	1,168.23	1/4	898.11	1/4	639.01	1/4	366.87	1/4	99.65
1/2	2,799.42	1/2	2,527.74	1/2	2,254.50	1/2	1,981.28	1/2	1,708.00	1/2	1,434.72	1/2	1,162.67	1/2	892.69	1/2	633.61	1/2	361.18	1/2	94.21
3/4	2,793.77	3/4	2,522.05	3/4	2,248.81	3/4	1,975.59	3/4	1,702.30	3/4	1,429.03	3/4	1,157.12	3/4	887.26	3/4	628.22	3/4	355.48	3/4	88.76
5	2,788.11	5	2,516.36	5	2,243.12	5	1,969.90	5	1,696.61	5	1,423.35	5	1,151.56	5	881.83	5	622.82	5	349.79	5	83.32
1/4	2,782.46	1/4	2,510.66	1/4	2,237.42	1/4	1,964.20	1/4	1,690.92	1/4	1,417.66	1/4	1,146.00	1/4	876.41	1/4	617.43	1/4	344.09	1/4	77.87
1/2	2,776.81	1/2	2,504.97	1/2	2,231.73	1/2	1,958.51	1/2	1,685.22	1/2	1,411.98	1/2	1,140.44	1/2	871.01	1/2	611.74	1/2	338.61	1/2	72.44
3/4	2,771.16	3/4	2,499.28	3/4	2,226.04	3/4	1,952.82	3/4	1,679.53	3/4	1,406.30	3/4	1,134.88	3/4	865.60	3/4	606.04	3/4	333.14	3/4	67.00
6	2,765.50	6	2,493.59	6	2,220.35	6	1,947.12	6	1,673.83	6	1,400.61	6	1,129.32	6	860.20	6	600.35	6	327.66	6	61.56
1/4	2,759.85	1/4	2,487.89	1/4	2,214.65	1/4	1,941.43	1/4	1,668.14	1/4	1,394.93	1/4	1,123.77	1/4	854.79	1/4	594.65	1/4	322.18	1/4	56.12
1/2	2,754.20	1/2	2,482.20	1/2	2,208.96	1/2	1,935.74	1/2	1,662.45	1/2	1,389.23	1/2	1,118.20	1/2	849.39	1/2	588.96	1/2	316.70	1/2	50.72
3/4	2,748.55	3/4	2,476.51	3/4	2,203.27	3/4	1,930.04	3/4	1,656.75	3/4	1,383.54	3/4	1,112.64	3/4	843.99	3/4	583.26	3/4	311.22	3/4	45.31
7	2,742.89	7	2,470.82	7	2,197.58	7	1,924.35	7	1,651.06	7	1,377.85	7	1,107.08	7	838.58	7	577.57	7	305.74	7	39.90
1/4	2,737.24	1/4	2,465.12	1/4	2,191.88	1/4	1,918.66	1/4	1,645.37	1/4	1,372.15	1/4	1,101.52	1/4	833.18	1/4	571.87	1/4	300.26	1/4	34.50
1/2	2,731.59	1/2	2,459.43	1/2	2,186.19	1/2	1,912.96	1/2	1,639.67	1/2	1,366.46	1/2	1,095.96	1/2	827.78	1/2	566.18	1/2	294.78	1/2	29.86
3/4	2,725.94	3/4	2,453.74	3/4	2,180.50	3/4	1,907.27	3/4	1,633.98	3/4	1,360.76	3/4	1,090.39	3/4	822.39	3/4	560.49	3/4	289.30	3/4	25.23
8	2,720.28	8	2,448.05	8	2,174.81	8	1,901.57	8	1,628.29	8	1,355.07	8	1,084.83	8	816.99	8	554.79	8	283.82	8	20.59
1/4	2,714.63	1/4	2,442.35	1/4	2,169.11	1/4	1,895.88	1/4	1,622.59	1/4	1,349.38	1/4	1,079.27	1/4	811.60	1/4	549.10	1/4	278.34	1/4	15.96
1/2	2,708.98	1/2	2,436.66	1/2	2,163.43	1/2	1,890.19	1/2	1,616.90	1/2	1,343.68	1/2	1,073.57	1/2	806.20	1/2	543.40	1/2	272.87	1/2	
3/4	2,703.33	3/4	2,430.97	3/4	2,157.74	3/4	1,884.49	3/4	1,611.21	3/4	1,337.99	3/4	1,067.88	3/4	800.80	3/4	537.71	3/4	267.40	3/4	
9	2,697.68	9	2,425.28	9	2,152.05	9	1,878.80	9	1,605.51	9	1,332.30	9	1,062.18	9	795.41	9	532.01	9	261.93	9	
1/4	2,692.02	1/4	2,419.58	1/4	2,146.37	1/4	1,873.11	1/4	1,599.82	1/4	1,326.60	1/4	1,056.49	1/4	790.01	1/4	526.32	1/4	256.46	1/4	
1/2	2,686.37	1/2	2,413.89	1/2	2,140.68	1/2	1,867.41	1/2	1,594.13	1/2	1,320.91	1/2	1,050.80	1/2	784.61	1/2	520.62	1/2	251.00	1/2	
3/4	2,680.72	3/4	2,408.20	3/4	2,134.99	3/4	1,861.72	3/4	1,588.43	3/4	1,315.22	3/4	1,045.10	3/4	779.22	3/4	514.93	3/4	245.53	3/4	
10	2,675.07	10	2,402.51	10	2,129.31	10	1,856.03	10	1,582.74	10	1,309.52	10	1,039.41	10	773.82	10	509.23	10	240.06	10	
1/4	2,669.41	1/4	2,396.81	1/4	2,123.62	1/4	1,850.33	1/4	1,577.05	1/4	1,303.83	1/4	1,033.71	1/4	768.43	1/4	503.54	1/4	234.59	1/4	
1/2	2,663.76	1/2	2,391.12	1/2	2,117.93	1/2	1,844.64	1/2	1,571.35	1/2	1,298.13	1/2	1,028.02	1/2	763.03	1/2	497.85	1/2	228.91	1/2	
3/4	2,658.11	3/4	2,385.43	3/4	2,112.23	3/4	1,838.95	3/4	1,565.66	3/4	1,292.44	3/4	1,022.32	3/4	757.64	3/4	492.15	3/4	223.22	3/4	
11	2,652.46	11	2,379.74	11	2,106.54	11	1,833.25	11	1,559.96	11	1,286.75	11	1,016.63	11	752.24	11	486.46	11	217.54	11	
1/4	2,646.80	1/4	2,374.04	1/4	2,100.85	1/4	1,827.56	1/4	1,554.27	1/4	1,281.05	1/4	1,010.93	1/4	746.85	1/4	480.76	1/4	211.85	1/4	
1/2	2,641.15	1/2	2,368.35	1/2	2,095.15	1/2	1,821.87	1/2	1,548.58	1/2	1,275.36	1/2	1,005.24	1/2	741.46	1/2	475.07	1/2	206.18	1/2	
3/4	2,635.50	3/4	2,362.66	3/4	2,089.46	3/4	1,816.17	3/4	1,542.88	3/4	1,269.67	3/4	999.54	3/4	736.07	3/4	469.37	3/4	200.51	3/4	

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BARGE "MM 82"
MAGNOLIA BARGE

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08 1/4"

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	2,644.09	0	2,371.29	0	2,098.18	0	1,824.98	0	1,551.78	0	1,278.64	0	1,008.60	0	736.09	0	463.53	0	194.77
1/4		1/4	2,638.44	1/4	2,365.60	1/4	2,092.49	1/4	1,819.29	1/4	1,546.08	1/4	1,272.95	1/4	1,002.91	1/4	730.43	1/4	457.84	1/4	189.10
1/2		1/2	2,632.78	1/2	2,359.91	1/2	2,086.80	1/2	1,813.59	1/2	1,540.39	1/2	1,267.26	1/2	997.22	1/2	724.77	1/2	452.15	1/2	183.43
3/4		3/4	2,627.13	3/4	2,354.22	3/4	2,081.10	3/4	1,807.90	3/4	1,534.70	3/4	1,261.57	3/4	991.53	3/4	719.11	3/4	446.45	3/4	177.75
1	2,883.12	1	2,621.48	1	2,348.53	1	2,075.41	1	1,802.21	1	1,529.01	1	1,255.88	1	985.83	1	713.46	1	440.76	1	172.08
1/4	2,879.80	1/4	2,615.83	1/4	2,342.84	1/4	2,069.72	1/4	1,796.52	1/4	1,523.32	1/4	1,250.18	1/4	980.14	1/4	707.80	1/4	435.07	1/4	166.41
1/2	2,875.53	1/2	2,610.18	1/2	2,337.15	1/2	2,064.03	1/2	1,790.83	1/2	1,517.63	1/2	1,244.49	1/2	974.45	1/2	702.14	1/2	429.38	1/2	160.74
3/4	2,871.27	3/4	2,604.53	3/4	2,331.46	3/4	2,058.34	3/4	1,785.14	3/4	1,511.93	3/4	1,238.80	3/4	968.75	3/4	696.48	3/4	423.68	3/4	155.07
2	2,867.00	2	2,598.88	2	2,325.77	2	2,052.65	2	1,779.44	2	1,506.24	2	1,233.11	2	963.06	2	690.82	2	417.99	2	149.40
1/4	2,862.73	1/4	2,593.23	1/4	2,320.08	1/4	2,046.95	1/4	1,773.75	1/4	1,500.55	1/4	1,227.42	1/4	957.37	1/4	685.16	1/4	412.30	1/4	143.72
1/2	2,857.51	1/2	2,587.54	1/2	2,314.39	1/2	2,041.26	1/2	1,768.06	1/2	1,494.86	1/2	1,221.86	1/2	951.67	1/2	679.50	1/2	406.60	1/2	138.15
3/4	2,852.29	3/4	2,581.85	3/4	2,308.70	3/4	2,035.57	3/4	1,762.37	3/4	1,489.17	3/4	1,216.30	3/4	945.98	3/4	673.84	3/4	400.91	3/4	132.58
3	2,847.07	3	2,576.16	3	2,303.00	3	2,029.88	3	1,756.68	3	1,483.48	3	1,210.74	3	940.29	3	668.18	3	395.22	3	127.01
1/4	2,841.86	1/4	2,570.47	1/4	2,297.31	1/4	2,024.19	1/4	1,750.99	1/4	1,477.78	1/4	1,205.18	1/4	934.60	1/4	662.52	1/4	389.53	1/4	121.44
1/2	2,836.21	1/2	2,564.78	1/2	2,291.62	1/2	2,018.50	1/2	1,745.29	1/2	1,472.09	1/2	1,199.61	1/2	928.90	1/2	656.86	1/2	383.83	1/2	115.99
3/4	2,830.56	3/4	2,559.09	3/4	2,285.93	3/4	2,012.80	3/4	1,739.60	3/4	1,466.40	3/4	1,194.05	3/4	923.21	3/4	651.20	3/4	378.14	3/4	110.53
4	2,824.90	4	2,553.40	4	2,280.24	4	2,007.11	4	1,733.91	4	1,460.71	4	1,188.49	4	917.52	4	645.54	4	372.45	4	105.08
1/4	2,819.25	1/4	2,547.70	1/4	2,274.55	1/4	2,001.42	1/4	1,728.22	1/4	1,455.02	1/4	1,182.93	1/4	911.82	1/4	639.88	1/4	366.76	1/4	99.62
1/2	2,813.60	1/2	2,542.01	1/2	2,268.86	1/2	1,995.73	1/2	1,722.53	1/2	1,449.33	1/2	1,177.38	1/2	906.13	1/2	634.22	1/2	361.06	1/2	94.18
3/4	2,807.95	3/4	2,536.32	3/4	2,263.17	3/4	1,990.04	3/4	1,716.84	3/4	1,443.65	3/4	1,171.82	3/4	900.44	3/4	628.56	3/4	355.37	3/4	88.74
5	2,802.30	5	2,530.63	5	2,257.48	5	1,984.35	5	1,711.14	5	1,437.97	5	1,166.26	5	894.74	5	622.90	5	349.68	5	83.29
1/4	2,796.65	1/4	2,524.94	1/4	2,251.79	1/4	1,978.65	1/4	1,705.45	1/4	1,432.29	1/4	1,160.71	1/4	889.05	1/4	617.23	1/4	343.98	1/4	77.85
1/2	2,791.00	1/2	2,519.25	1/2	2,246.10	1/2	1,972.96	1/2	1,699.76	1/2	1,426.60	1/2	1,155.15	1/2	883.38	1/2	611.54	1/2	338.51	1/2	72.41
3/4	2,785.35	3/4	2,513.56	3/4	2,240.41	3/4	1,967.27	3/4	1,694.07	3/4	1,420.92	3/4	1,149.60	3/4	877.71	3/4	605.85	3/4	333.03	3/4	66.98
6	2,779.70	6	2,507.87	6	2,234.72	6	1,961.58	6	1,688.38	6	1,415.24	6	1,144.04	6	872.04	6	600.16	6	327.55	6	61.54
1/4	2,774.05	1/4	2,502.18	1/4	2,229.03	1/4	1,955.89	1/4	1,682.69	1/4	1,409.56	1/4	1,138.48	1/4	866.37	1/4	594.46	1/4	322.07	1/4	56.11
1/2	2,768.40	1/2	2,496.49	1/2	2,223.33	1/2	1,950.20	1/2	1,676.99	1/2	1,403.86	1/2	1,132.92	1/2	860.70	1/2	588.77	1/2	316.60	1/2	50.70
3/4	2,762.75	3/4	2,490.80	3/4	2,217.64	3/4	1,944.50	3/4	1,671.30	3/4	1,398.17	3/4	1,127.36	3/4	855.02	3/4	583.08	3/4	311.12	3/4	45.30
7	2,757.10	7	2,485.11	7	2,211.95	7	1,938.81	7	1,665.61	7	1,392.48	7	1,121.80	7	849.35	7	577.39	7	305.64	7	39.89
1/4	2,751.45	1/4	2,479.42	1/4	2,206.26	1/4	1,933.12	1/4	1,659.92	1/4	1,386.79	1/4	1,116.24	1/4	843.68	1/4	571.69	1/4	300.16	1/4	34.49
1/2	2,745.80	1/2	2,473.73	1/2	2,200.57	1/2	1,927.43	1/2	1,654.23	1/2	1,381.10	1/2	1,110.68	1/2	838.02	1/2	566.00	1/2	294.69	1/2	29.85
3/4	2,740.15	3/4	2,468.03	3/4	2,194.88	3/4	1,921.74	3/4	1,648.54	3/4	1,375.41	3/4	1,105.12	3/4	832.35	3/4	560.31	3/4	289.21	3/4	25.22
8	2,734.50	8	2,462.34	8	2,189.19	8	1,916.05	8	1,642.84	8	1,369.71	8	1,099.56	8	826.69	8	554.61	8	283.73	8	20.59
1/4	2,728.84	1/4	2,456.65	1/4	2,183.50	1/4	1,910.35	1/4	1,637.15	1/4	1,364.02	1/4	1,094.00	1/4	821.03	1/4	548.92	1/4	278.25	1/4	15.95
1/2	2,723.19	1/2	2,450.96	1/2	2,177.82	1/2	1,904.66	1/2	1,631.46	1/2	1,358.33	1/2	1,088.31	1/2	815.36	1/2	543.23	1/2	272.79	1/2	
3/4	2,717.54	3/4	2,445.27	3/4	2,172.13	3/4	1,898.97	3/4	1,625.77	3/4	1,352.64	3/4	1,082.61	3/4	809.70	3/4	537.54	3/4	267.32	3/4	
9	2,711.89	9	2,439.58	9	2,166.45	9	1,893.28	9	1,620.08	9	1,346.95	9	1,076.92	9	804.04	9	531.84	9	261.85	9	
1/4	2,706.24	1/4	2,433.89	1/4	2,160.76	1/4	1,887.59	1/4	1,614.39	1/4	1,341.25	1/4	1,071.23	1/4	798.37	1/4	526.15	1/4	256.38	1/4	
1/2	2,700.59	1/2	2,428.20	1/2	2,155.08	1/2	1,881.90	1/2	1,608.69	1/2	1,335.56	1/2	1,065.53	1/2	792.71	1/2	520.46	1/2	250.92	1/2	
3/4	2,694.94	3/4	2,422.51	3/4	2,149.39	3/4	1,876.20	3/4	1,603.00	3/4	1,329.87	3/4	1,059.84	3/4	787.05	3/4	514.77	3/4	245.45	3/4	
10	2,689.29	10	2,416.82	10	2,143.71	10	1,870.51	10	1,597.31	10	1,324.18	10	1,054.15	10	781.38	10	509.07	10	239.98	10	
1/4	2,683.64	1/4	2,411.13	1/4	2,138.02	1/4	1,864.82	1/4	1,591.62	1/4	1,318.49	1/4	1,048.46	1/4	775.72	1/4	503.38	1/4	234.52	1/4	
1/2	2,677.99	1/2	2,405.44	1/2	2,132.33	1/2	1,859.13	1/2	1,585.93	1/2	1,312.79	1/2	1,042.76	1/2	770.06	1/2	497.69	1/2	228.83	1/2	
3/4	2,672.34	3/4	2,399.75	3/4	2,126.64	3/4	1,853.44	3/4	1,580.23	3/4	1,307.10	3/4	1,037.07	3/4	764.40	3/4	491.99	3/4	223.15	3/4	
11	2,666.69	11	2,394.06	11	2,120.95	11	1,847.74	11	1,574.54	11	1,301.41	11	1,031.38	11	758.73	11	486.30	11	217.47	11	
1/4	2,661.04	1/4	2,388.37	1/4	2,115.25	1/4	1,842.05	1/4	1,568.85	1/4	1,295.72	1/4	1,025.68	1/4	753.07	1/4	480.61	1/4	211.79	1/4	
1/2	2,655.39	1/2	2,382.67	1/2	2,109.56	1/2	1,836.36	1/2	1,563.16	1/2	1,290.03	1/2	1,019.99	1/2	747.41	1/2	474.92	1/2	206.11	1/2	
3/4	2,649.74	3/4	2,376.98	3/4	2,103.87	3/4	1,830.67	3/4	1,557.47	3/4	1,284.33	3/4	1,014.30	3/4	741.75	3/4	469.22	3/4	200.44	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: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 33'-06" FORWARD OF AFT BULKHEAD.
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http://www.pmacorp.net

BARGE "MM 82"
MAGNOLIA BARGE

4 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08"

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	2,691.88	0	2,413.31	0	2,134.45	0	1,855.72	0	1,578.20	0	1,301.68	0	1,025.57	0	754.52	0	479.98	0	199.42
1/4		1/4	2,686.11	1/4	2,407.50	1/4	2,128.64	1/4	1,849.91	1/4	1,572.46	1/4	1,295.87	1/4	1,019.75	1/4	748.94	1/4	474.16	1/4	193.60
1/2		1/2	2,680.34	1/2	2,401.69	1/2	2,122.83	1/2	1,844.10	1/2	1,566.72	1/2	1,290.06	1/2	1,013.93	1/2	743.36	1/2	468.34	1/2	187.79
3/4	2,941.87	3/4	2,674.57	3/4	2,395.88	3/4	2,117.02	3/4	1,838.28	3/4	1,560.99	3/4	1,284.24	3/4	1,008.12	3/4	737.78	3/4	462.52	3/4	181.98
1	2,938.47	1	2,668.80	1	2,390.07	1	2,111.21	1	1,832.47	1	1,555.25	1	1,278.43	1	1,002.30	1	732.20	1	456.70	1	176.17
1/4	2,934.10	1/4	2,663.03	1/4	2,384.26	1/4	2,105.40	1/4	1,826.66	1/4	1,549.52	1/4	1,272.62	1/4	996.49	1/4	726.62	1/4	450.88	1/4	170.36
1/2	2,929.73	1/2	2,657.26	1/2	2,378.45	1/2	2,099.58	1/2	1,820.85	1/2	1,543.78	1/2	1,266.80	1/2	990.67	1/2	721.05	1/2	445.07	1/2	164.55
3/4	2,925.36	3/4	2,651.49	3/4	2,372.64	3/4	2,093.77	3/4	1,815.03	3/4	1,538.04	3/4	1,260.99	3/4	984.85	3/4	715.47	3/4	439.25	3/4	158.74
2	2,920.99	2	2,645.72	2	2,366.83	2	2,087.96	2	1,809.22	2	1,532.31	2	1,255.18	2	979.04	2	709.89	2	433.43	2	152.93
1/4	2,915.64	1/4	2,639.91	1/4	2,361.02	1/4	2,082.15	1/4	1,803.41	1/4	1,526.57	1/4	1,249.49	1/4	973.22	1/4	704.31	1/4	427.61	1/4	147.08
1/2	2,910.30	1/2	2,634.10	1/2	2,355.21	1/2	2,076.34	1/2	1,797.59	1/2	1,520.83	1/2	1,243.79	1/2	967.41	1/2	698.73	1/2	421.79	1/2	141.23
3/4	2,904.95	3/4	2,628.29	3/4	2,349.39	3/4	2,070.53	3/4	1,791.78	3/4	1,515.10	3/4	1,238.10	3/4	961.59	3/4	693.15	3/4	415.97	3/4	135.38
3	2,899.61	3	2,622.48	3	2,343.58	3	2,064.72	3	1,785.97	3	1,509.36	3	1,232.40	3	955.77	3	687.57	3	410.15	3	129.53
1/4	2,893.84	1/4	2,616.67	1/4	2,337.77	1/4	2,058.91	1/4	1,780.16	1/4	1,503.62	1/4	1,226.71	1/4	950.16	1/4	681.99	1/4	404.33	1/4	123.66
1/2	2,888.07	1/2	2,610.86	1/2	2,331.96	1/2	2,053.11	1/2	1,774.34	1/2	1,497.89	1/2	1,221.02	1/2	944.55	1/2	676.42	1/2	398.51	1/2	117.79
3/4	2,882.30	3/4	2,605.05	3/4	2,326.15	3/4	2,047.30	3/4	1,768.53	3/4	1,492.15	3/4	1,215.32	3/4	938.94	3/4	670.84	3/4	392.70	3/4	111.91
4	2,876.53	4	2,599.24	4	2,320.34	4	2,041.50	4	1,762.72	4	1,486.41	4	1,209.63	4	933.32	4	665.26	4	386.88	4	106.04
1/4	2,870.76	1/4	2,593.43	1/4	2,314.53	1/4	2,035.69	1/4	1,756.90	1/4	1,480.69	1/4	1,203.95	1/4	927.71	1/4	659.68	1/4	381.06	1/4	100.17
1/2	2,864.99	1/2	2,587.62	1/2	2,308.72	1/2	2,029.89	1/2	1,751.09	1/2	1,474.96	1/2	1,198.26	1/2	922.10	1/2	654.10	1/2	375.24	1/2	94.31
3/4	2,859.22	3/4	2,581.81	3/4	2,302.91	3/4	2,024.09	3/4	1,745.28	3/4	1,469.23	3/4	1,192.58	3/4	916.49	3/4	648.52	3/4	369.42	3/4	88.45
5	2,853.45	5	2,576.00	5	2,297.10	5	2,018.28	5	1,739.47	5	1,463.51	5	1,186.90	5	910.87	5	642.93	5	363.61	5	82.59
1/4	2,847.68	1/4	2,570.19	1/4	2,291.29	1/4	2,012.48	1/4	1,733.65	1/4	1,457.79	1/4	1,181.22	1/4	905.28	1/4	637.12	1/4	357.72	1/4	76.73
1/2	2,841.91	1/2	2,564.38	1/2	2,285.48	1/2	2,006.67	1/2	1,727.84	1/2	1,452.07	1/2	1,175.54	1/2	899.69	1/2	631.30	1/2	351.84	1/2	70.88
3/4	2,836.14	3/4	2,558.57	3/4	2,279.67	3/4	2,000.87	3/4	1,722.03	3/4	1,446.35	3/4	1,169.86	3/4	894.10	3/4	625.48	3/4	345.95	3/4	65.02
6	2,830.37	6	2,552.76	6	2,273.86	6	1,995.06	6	1,716.21	6	1,440.64	6	1,164.17	6	888.51	6	619.66	6	340.07	6	59.17
1/4	2,824.60	1/4	2,546.95	1/4	2,268.05	1/4	1,989.26	1/4	1,710.46	1/4	1,434.90	1/4	1,158.48	1/4	882.92	1/4	613.84	1/4	334.18	1/4	53.35
1/2	2,818.83	1/2	2,541.13	1/2	2,262.24	1/2	1,983.45	1/2	1,704.70	1/2	1,429.16	1/2	1,152.79	1/2	877.33	1/2	608.02	1/2	328.30	1/2	47.52
3/4	2,813.06	3/4	2,535.32	3/4	2,256.43	3/4	1,977.65	3/4	1,698.94	3/4	1,423.42	3/4	1,147.09	3/4	871.74	3/4	602.20	3/4	322.42	3/4	41.70
7	2,807.29	7	2,529.51	7	2,250.62	7	1,971.85	7	1,693.18	7	1,417.68	7	1,141.40	7	866.15	7	596.38	7	316.53	7	35.88
1/4	2,801.52	1/4	2,523.70	1/4	2,244.81	1/4	1,966.04	1/4	1,687.43	1/4	1,411.93	1/4	1,135.70	1/4	860.57	1/4	590.56	1/4	310.64	1/4	30.99
1/2	2,795.75	1/2	2,517.89	1/2	2,239.00	1/2	1,960.24	1/2	1,681.67	1/2	1,406.19	1/2	1,130.01	1/2	854.99	1/2	584.74	1/2	304.76	1/2	26.10
3/4	2,789.98	3/4	2,512.08	3/4	2,233.19	3/4	1,954.43	3/4	1,675.91	3/4	1,400.44	3/4	1,124.32	3/4	849.40	3/4	578.92	3/4	298.87	3/4	21.21
8	2,784.20	8	2,506.27	8	2,227.38	8	1,948.63	8	1,670.15	8	1,394.69	8	1,118.62	8	843.82	8	573.10	8	292.99	8	16.32
1/4	2,778.43	1/4	2,500.46	1/4	2,221.57	1/4	1,942.82	1/4	1,664.39	1/4	1,388.88	1/4	1,112.81	1/4	838.24	1/4	567.28	1/4	287.11	1/4	
1/2	2,772.66	1/2	2,494.65	1/2	2,215.77	1/2	1,937.02	1/2	1,658.64	1/2	1,383.06	1/2	1,106.99	1/2	832.65	1/2	561.46	1/2	281.24	1/2	
3/4	2,766.89	3/4	2,488.84	3/4	2,209.96	3/4	1,931.21	3/4	1,652.88	3/4	1,377.25	3/4	1,101.17	3/4	827.07	3/4	555.64	3/4	275.36	3/4	
9	2,761.12	9	2,483.03	9	2,204.16	9	1,925.41	9	1,647.12	9	1,371.44	9	1,095.36	9	821.49	9	549.82	9	269.49	9	
1/4	2,755.35	1/4	2,477.22	1/4	2,198.35	1/4	1,919.60	1/4	1,641.36	1/4	1,365.62	1/4	1,089.54	1/4	815.91	1/4	544.00	1/4	263.60	1/4	
1/2	2,749.58	1/2	2,471.41	1/2	2,192.55	1/2	1,913.80	1/2	1,635.60	1/2	1,359.81	1/2	1,083.73	1/2	810.32	1/2	538.18	1/2	257.71	1/2	
3/4	2,743.81	3/4	2,465.60	3/4	2,186.74	3/4	1,908.00	3/4	1,629.85	3/4	1,354.00	3/4	1,077.91	3/4	804.74	3/4	532.36	3/4	251.83	3/4	
10	2,738.04	10	2,459.79	10	2,180.94	10	1,902.19	10	1,624.09	10	1,348.19	10	1,072.09	10	799.16	10	526.54	10	245.94	10	
1/4	2,732.27	1/4	2,453.98	1/4	2,175.13	1/4	1,896.39	1/4	1,618.35	1/4	1,342.37	1/4	1,066.28	1/4	793.58	1/4	520.72	1/4	240.12	1/4	
1/2	2,726.50	1/2	2,448.17	1/2	2,169.32	1/2	1,890.58	1/2	1,612.62	1/2	1,336.56	1/2	1,060.46	1/2	788.00	1/2	514.90	1/2	234.30	1/2	
3/4	2,720.73	3/4	2,442.36	3/4	2,163.51	3/4	1,884.78	3/4	1,606.88	3/4	1,330.75	3/4	1,054.65	3/4	782.41	3/4	509.08	3/4	228.48	3/4	
11	2,714.96	11	2,436.55	11	2,157.69	11	1,878.97	11	1,601.14	11	1,324.93	11	1,048.83	11	776.83	11	503.26	11	222.66	11	
1/4	2,709.19	1/4	2,430.74	1/4	2,151.88	1/4	1,873.16	1/4	1,595.41	1/4	1,319.12	1/4	1,043.01	1/4	771.25	1/4	497.44	1/4	216.85	1/4	
1/2	2,703.42	1/2	2,424.93	1/2	2,146.07	1/2	1,867.35	1/2	1,589.67	1/2	1,313.31	1/2	1,037.20	1/2	765.68	1/2	491.62	1/2	211.04	1/2	
3/4	2,697.65	3/4	2,419.12	3/4	2,140.26	3/4	1,861.53	3/4	1,583.93	3/4	1,307.50	3/4	1,031.38	3/4	760.10	3/4	485.80	3/4	205.23	3/4	

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MAGNOLIA BARGE

4 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08"

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	2,687.39	0	2,410.92	0	2,134.18	0	1,857.56	0	1,582.05	0	1,307.45	0	1,033.25	0	756.79	0	480.21	0	199.51
1/4		1/4	2,681.66	1/4	2,405.16	1/4	2,128.41	1/4	1,851.79	1/4	1,576.35	1/4	1,301.68	1/4	1,027.48	1/4	751.05	1/4	474.39	1/4	193.70
1/2		1/2	2,675.93	1/2	2,399.39	1/2	2,122.64	1/2	1,846.02	1/2	1,570.66	1/2	1,295.91	1/2	1,021.70	1/2	745.31	1/2	468.57	1/2	187.88
3/4	2,935.82	3/4	2,670.21	3/4	2,393.62	3/4	2,116.87	3/4	1,840.25	3/4	1,564.96	3/4	1,290.13	3/4	1,015.92	3/4	739.56	3/4	462.74	3/4	182.07
1	2,932.42	1	2,664.48	1	2,387.86	1	2,111.11	1	1,834.48	1	1,559.26	1	1,284.36	1	1,010.15	1	733.82	1	456.92	1	176.26
1/4	2,928.04	1/4	2,658.75	1/4	2,382.09	1/4	2,105.34	1/4	1,828.71	1/4	1,553.57	1/4	1,278.59	1/4	1,004.37	1/4	728.08	1/4	451.10	1/4	170.44
1/2	2,923.67	1/2	2,653.03	1/2	2,376.33	1/2	2,099.57	1/2	1,822.94	1/2	1,547.87	1/2	1,272.81	1/2	998.60	1/2	722.34	1/2	445.28	1/2	164.63
3/4	2,919.30	3/4	2,647.30	3/4	2,370.56	3/4	2,093.80	3/4	1,817.17	3/4	1,542.17	3/4	1,267.04	3/4	992.82	3/4	716.59	3/4	439.45	3/4	158.82
2	2,914.92	2	2,641.58	2	2,364.79	2	2,088.04	2	1,811.40	2	1,536.48	2	1,261.27	2	987.04	2	710.85	2	433.63	2	153.01
1/4	2,909.57	1/4	2,635.81	1/4	2,359.03	1/4	2,082.27	1/4	1,805.64	1/4	1,530.78	1/4	1,255.61	1/4	981.27	1/4	705.11	1/4	427.81	1/4	147.15
1/2	2,904.23	1/2	2,630.04	1/2	2,353.26	1/2	2,076.50	1/2	1,799.87	1/2	1,525.08	1/2	1,249.96	1/2	975.49	1/2	699.37	1/2	421.99	1/2	141.30
3/4	2,898.88	3/4	2,624.28	3/4	2,347.49	3/4	2,070.73	3/4	1,794.10	3/4	1,519.39	3/4	1,244.31	3/4	969.72	3/4	693.62	3/4	416.17	3/4	135.45
3	2,893.53	3	2,618.51	3	2,341.73	3	2,064.97	3	1,788.33	3	1,513.69	3	1,238.65	3	963.94	3	687.88	3	410.34	3	129.60
1/4	2,887.81	1/4	2,612.74	1/4	2,335.96	1/4	2,059.21	1/4	1,782.56	1/4	1,507.99	1/4	1,233.00	1/4	958.16	1/4	682.14	1/4	404.52	1/4	123.72
1/2	2,882.08	1/2	2,606.98	1/2	2,330.19	1/2	2,053.45	1/2	1,776.79	1/2	1,502.30	1/2	1,227.34	1/2	952.39	1/2	676.40	1/2	398.70	1/2	117.84
3/4	2,876.35	3/4	2,601.21	3/4	2,324.43	3/4	2,047.68	3/4	1,771.02	3/4	1,496.60	3/4	1,221.69	3/4	946.61	3/4	670.65	3/4	392.88	3/4	111.97
4	2,870.63	4	2,595.44	4	2,318.66	4	2,041.92	4	1,765.25	4	1,490.91	4	1,216.04	4	940.84	4	664.91	4	387.06	4	106.09
1/4	2,864.90	1/4	2,589.68	1/4	2,312.90	1/4	2,036.16	1/4	1,759.49	1/4	1,485.22	1/4	1,210.40	1/4	935.06	1/4	659.17	1/4	381.24	1/4	100.22
1/2	2,859.17	1/2	2,583.91	1/2	2,307.13	1/2	2,030.40	1/2	1,753.72	1/2	1,479.53	1/2	1,204.75	1/2	929.28	1/2	653.42	1/2	375.42	1/2	94.36
3/4	2,853.45	3/4	2,578.15	3/4	2,301.36	3/4	2,024.64	3/4	1,747.95	3/4	1,473.84	3/4	1,199.11	3/4	923.51	3/4	647.68	3/4	369.60	3/4	88.49
5	2,847.72	5	2,572.38	5	2,295.60	5	2,018.88	5	1,742.18	5	1,468.16	5	1,193.47	5	917.73	5	641.93	5	363.78	5	82.63
1/4	2,842.00	1/4	2,566.61	1/4	2,289.83	1/4	2,013.12	1/4	1,736.41	1/4	1,462.48	1/4	1,187.83	1/4	911.98	1/4	636.15	1/4	357.89	1/4	76.77
1/2	2,836.27	1/2	2,560.85	1/2	2,284.06	1/2	2,007.36	1/2	1,730.64	1/2	1,456.80	1/2	1,182.19	1/2	906.22	1/2	630.38	1/2	352.01	1/2	70.91
3/4	2,830.54	3/4	2,555.08	3/4	2,278.30	3/4	2,001.60	3/4	1,724.87	3/4	1,451.12	3/4	1,176.55	3/4	900.47	3/4	624.60	3/4	346.12	3/4	65.06
6	2,824.82	6	2,549.31	6	2,272.53	6	1,995.84	6	1,719.10	6	1,445.45	6	1,170.90	6	894.72	6	618.83	6	340.23	6	59.20
1/4	2,819.09	1/4	2,543.55	1/4	2,266.77	1/4	1,990.08	1/4	1,713.39	1/4	1,439.75	1/4	1,165.25	1/4	888.96	1/4	613.05	1/4	334.34	1/4	53.37
1/2	2,813.36	1/2	2,537.78	1/2	2,261.00	1/2	1,984.32	1/2	1,707.67	1/2	1,434.05	1/2	1,159.59	1/2	883.21	1/2	607.28	1/2	328.46	1/2	47.55
3/4	2,807.64	3/4	2,532.02	3/4	2,255.23	3/4	1,978.56	3/4	1,701.95	3/4	1,428.35	3/4	1,153.94	3/4	877.45	3/4	601.50	3/4	322.57	3/4	41.72
7	2,801.91	7	2,526.25	7	2,249.47	7	1,972.80	7	1,696.23	7	1,422.65	7	1,148.29	7	871.70	7	595.72	7	316.68	7	35.90
1/4	2,796.19	1/4	2,520.48	1/4	2,243.70	1/4	1,967.04	1/4	1,690.51	1/4	1,416.94	1/4	1,142.63	1/4	865.95	1/4	589.95	1/4	310.79	1/4	31.01
1/2	2,790.46	1/2	2,514.72	1/2	2,237.93	1/2	1,961.28	1/2	1,684.80	1/2	1,411.24	1/2	1,136.98	1/2	860.21	1/2	584.17	1/2	304.90	1/2	26.11
3/4	2,784.73	3/4	2,508.95	3/4	2,232.17	3/4	1,955.52	3/4	1,679.08	3/4	1,405.53	3/4	1,131.32	3/4	854.46	3/4	578.40	3/4	299.02	3/4	21.22
8	2,779.01	8	2,503.18	8	2,226.40	8	1,949.76	8	1,673.36	8	1,399.82	8	1,125.67	8	848.71	8	572.62	8	293.13	8	16.33
1/4	2,773.28	1/4	2,497.42	1/4	2,220.64	1/4	1,944.00	1/4	1,667.64	1/4	1,394.05	1/4	1,119.89	1/4	842.97	1/4	566.85	1/4	287.25	1/4	
1/2	2,767.55	1/2	2,491.65	1/2	2,214.88	1/2	1,938.24	1/2	1,661.93	1/2	1,388.27	1/2	1,114.12	1/2	837.22	1/2	561.07	1/2	281.37	1/2	
3/4	2,761.83	3/4	2,485.89	3/4	2,209.12	3/4	1,932.47	3/4	1,656.21	3/4	1,382.50	3/4	1,108.34	3/4	831.47	3/4	555.29	3/4	275.49	3/4	
9	2,756.10	9	2,480.12	9	2,203.36	9	1,926.71	9	1,650.49	9	1,376.73	9	1,102.56	9	825.73	9	549.52	9	269.62	9	
1/4	2,750.37	1/4	2,474.35	1/4	2,197.60	1/4	1,920.95	1/4	1,644.77	1/4	1,370.95	1/4	1,096.79	1/4	819.98	1/4	543.74	1/4	263.73	1/4	
1/2	2,744.65	1/2	2,468.59	1/2	2,191.84	1/2	1,915.19	1/2	1,639.05	1/2	1,365.18	1/2	1,091.01	1/2	814.23	1/2	537.97	1/2	257.84	1/2	
3/4	2,738.92	3/4	2,462.82	3/4	2,186.08	3/4	1,909.43	3/4	1,633.34	3/4	1,359.41	3/4	1,085.24	3/4	808.49	3/4	532.19	3/4	251.95	3/4	
10	2,733.20	10	2,457.05	10	2,180.31	10	1,903.67	10	1,627.62	10	1,353.64	10	1,079.46	10	802.74	10	526.42	10	246.06	10	
1/4	2,727.47	1/4	2,451.29	1/4	2,174.55	1/4	1,897.91	1/4	1,621.92	1/4	1,347.86	1/4	1,073.68	1/4	797.00	1/4	520.64	1/4	240.23	1/4	
1/2	2,721.74	1/2	2,445.52	1/2	2,168.78	1/2	1,892.15	1/2	1,616.23	1/2	1,342.09	1/2	1,067.91	1/2	791.25	1/2	514.86	1/2	234.41	1/2	
3/4	2,716.02	3/4	2,439.75	3/4	2,163.01	3/4	1,886.39	3/4	1,610.53	3/4	1,336.32	3/4	1,062.13	3/4	785.51	3/4	509.09	3/4	228.59	3/4	
11	2,710.29	11	2,433.99	11	2,157.24	11	1,880.63	11	1,604.83	11	1,330.54	11	1,056.36	11	779.76	11	503.31	11	222.76	11	
1/4	2,704.56	1/4	2,428.22	1/4	2,151.48	1/4	1,874.86	1/4	1,599.14	1/4	1,324.77	1/4	1,050.58	1/4	774.02	1/4	497.54	1/4	216.95	1/4	
1/2	2,698.84	1/2	2,422.46	1/2	2,145.71	1/2	1,869.09	1/2	1,593.44	1/2	1,319.00	1/2	1,044.80	1/2	768.28	1/2	491.76	1/2	211.14	1/2	
3/4	2,693.11	3/4	2,416.69	3/4	2,139.94	3/4	1,863.32	3/4	1,587.74	3/4	1,313.22	3/4	1,039.03	3/4	762.53	3/4	485.99	3/4	205.32	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: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 48'-06" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 50'-06" FORWARD OF AFT BULKHEAD

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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

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