BARGE "MM 80"

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 80"

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	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
1 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
2 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	- 03-1/2	03-1/2	- 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

http://www.pmacorp.net

BARGE "MM 80"
MAGNOLIA BARGE

1 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0	14.86	0	199.13	0	436.99	0	688.18	0	940.77	0	1,193.45	0	1,446.88	0	1,700.38	0	1,953.83	0	2,207.29	0	2,459.78
1/4	17.48	1/4	203.51	1/4	442.27	1/4	693.39	1/4	946.02	1/4	1,198.73	1/4	1,452.16	1/4	1,705.66	1/4	1,959.11	1/4	2,212.57	1/4	2,465.02
1/2	20.09	1/2	207.90	1/2	447.56	1/2	698.61	1/2	951.27	1/2	1,204.01	1/2	1,457.44	1/2	1,710.94	1/2	1,964.39	1/2	2,217.85	1/2	2,470.26
3/4	22.71	3/4	212.28	3/4	452.84	3/4	703.83	3/4	956.52	3/4	1,209.29	3/4	1,462.72	3/4	1,716.22	3/4	1,969.67	3/4	2,223.13	3/4	2,475.50
1	25.33	1	216.67	1	458.12	1	709.05	1	961.76	1	1,214.58	1	1,468.00	1	1,721.51	1	1,974.95	1	2,228.41	1	2,480.75
1/4	28.74	1/4	221.14	1/4	463.40	1/4	714.28	1/4	967.01	1/4	1,219.86	1/4	1,473.29	1/4	1,726.79	1/4	1,980.23	1/4	2,233.69	1/4	2,485.99
1/2	32.16	1/2	225.60	1/2	468.69	1/2	719.51	1/2	972.26	1/2	1,225.14	1/2	1,478.57	1/2	1,732.07	1/2	1,985.51	1/2	2,238.97	1/2	2,491.23
3/4	35.57	3/4	230.07	3/4	473.97	3/4	724.73	3/4	977.51	3/4	1,230.42	3/4	1,483.85	3/4	1,737.35	3/4	1,990.79	3/4	2,244.25	3/4	2,496.47
2	38.99	2	234.54	2	479.25	2	729.96	2	982.76	2	1,235.70	2	1,489.13	2	1,742.63	2	1,996.07	2	2,249.53	2	2,501.71
1/4	42.51	1/4	239.09	1/4	484.53	1/4	735.19	1/4	988.00	1/4	1,240.97	1/4	1,494.41	1/4	1,747.91	1/4	2,001.36	1/4	2,254.81	1/4	2,506.95
1/2	46.04	1/2	243.64	1/2	489.82	1/2	740.41	1/2	993.24	1/2	1,246.25	1/2	1,499.69	1/2	1,753.19	1/2	2,006.64	1/2	2,260.09	1/2	2,512.19
3/4	49.56	3/4	248.18	3/4	495.10	3/4	745.64	3/4	998.49	3/4	1,251.52	3/4	1,504.97	3/4	1,758.48	3/4	2,011.92	3/4	2,265.37	3/4	2,517.43
3	53.09	3	252.73	3	500.38	3	750.87	3	1,003.73	3	1,256.79	3	1,510.25	3	1,763.76	3	2,017.20	3	2,270.65	3	2,522.67
1/4	56.70	1/4	257.57	1/4	505.60	1/4	756.12	1/4	1,008.98	1/4	1,262.06	1/4	1,515.54	1/4	1,769.04	1/4	2,022.48	1/4	2,275.93	1/4	2,527.91
1/2	60.32	1/2	262.40	1/2	510.81	1/2	761.36	1/2	1,014.22	1/2	1,267.33	1/2	1,520.82	1/2	1,774.32	1/2	2,027.76	1/2	2,281.21	1/2	2,533.15
3/4	63.93	3/4	267.23	3/4	516.03	3/4	766.61	3/4	1,019.46	3/4	1,272.61	3/4	1,526.10	3/4	1,779.60	3/4	2,033.04	3/4	2,286.49	3/4	2,538.39
4	67.55	4	272.06	4	521.25	4	771.86	4	1,024.71	4	1,277.88	4	1,531.38	4	1,784.88	4	2,038.32	4	2,291.77	4	2,543.63
1/4	71.25	1/4	276.97	1/4	526.46	1/4	777.11	1/4	1,029.96	1/4	1,283.16	1/4	1,536.66	1/4	1,790.16	1/4	2,043.60	1/4	2,297.05	1/4	2,548.87
1/2	74.96	1/2	281.88	1/2	531.68	1/2	782.36	1/2	1,035.20	1/2	1,288.44	1/2	1,541.94	1/2	1,795.44	1/2	2,048.88	1/2	2,302.33	1/2	2,554.11
3/4	78.67	3/4	286.80	3/4	536.89	3/4	787.61	3/4	1,040.45	3/4	1,293.72	3/4	1,547.22	3/4	1,800.73	3/4	2,054.16	3/4	2,307.61	3/4	2,559.35
5	82.37	5	291.71	5	542.11	5	792.86	5	1,045.70	5	1,299.00	5	1,552.50	5	1,806.01	5	2,059.44	5	2,312.89	5	2,564.59
1/4	86.27	1/4	296.71	1/4	547.32	1/4	798.14	1/4	1,050.95	1/4	1,304.28	1/4	1,557.79	1/4	1,811.29	1/4	2,064.72	1/4	2,318.17	1/4	2,569.43
1/2	90.16	1/2	301.70	1/2	552.54	1/2	803.42	1/2	1,056.19	1/2	1,309.56	1/2	1,563.07	1/2	1,816.57	1/2	2,070.00	1/2	2,323.45	1/2	2,574.27
3/4	94.06	3/4	306.70	3/4	557.75	3/4	808.70	3/4	1,061.44	3/4	1,314.85	3/4	1,568.35	3/4	1,821.85	3/4	2,075.28	3/4	2,328.73	3/4	2,579.12
6	97.96	6	311.69	6	562.97	6	813.99	6	1,066.69	6	1,320.13	6	1,573.63	6	1,827.13	6	2,080.56	6	2,334.01	6	2,583.96
1/4	102.03	1/4	316.77	1/4	568.18	1/4	819.27	1/4	1,071.97	1/4	1,325.41	1/4	1,578.91	1/4	1,832.41	1/4	2,085.84	1/4	2,339.25	1/4	2,587.92
1/2	106.10	1/2	321.85	1/2	573.40	1/2	824.55	1/2	1,077.25	1/2	1,330.69	1/2	1,584.19	1/2	1,837.69	1/2	2,091.12	1/2	2,344.49	1/2	2,591.88
3/4	110.17	3/4	326.92	3/4	578.62	3/4	829.84	3/4	1,082.54	3/4	1,335.97	3/4	1,589.47	3/4	1,842.98	3/4	2,096.40	3/4	2,349.74	3/4	2,595.84
7	114.24	7	332.00	7	583.83	7	835.12	7	1,087.82	7	1,341.25	7	1,594.75	7	1,848.26	7	2,101.68	7	2,354.98	7	2,599.80
1/4	118.40	1/4	337.16	1/4	589.05	1/4	840.40	1/4	1,093.10	1/4	1,346.53	1/4	1,600.04	1/4	1,853.54	1/4	2,106.96	1/4	2,360.22	1/4	2,602.88
1/2	122.55	1/2	342.32	1/2	594.26	1/2	845.68	1/2	1,098.38	1/2	1,351.82	1/2	1,605.32	1/2	1,858.82	1/2	2,112.24	1/2	2,365.46	1/2	
3/4	126.71	3/4	347.48	3/4	599.48	3/4	850.97	3/4	1,103.66	3/4	1,357.10	3/4	1,610.60	3/4	1,864.10	3/4	2,117.52	3/4	2,370.70	3/4	
8	130.86	8	352.64	8	604.69	8	856.25	8	1,108.94	8	1,362.38	8	1,615.88	8	1,869.38	8	2,122.80	8	2,375.94	8	
1/4	135.10	1/4	357.88	1/4	609.91	1/4	861.53	1/4	1,114.22	1/4	1,367.66	1/4	1,621.16	1/4	1,874.66	1/4	2,128.08	1/4	2,381.18	1/4	
1/2	139.33	1/2	363.12	1/2	615.12	1/2	866.81	1/2	1,119.51	1/2	1,372.94	1/2	1,626.44	1/2	1,879.95	1/2	2,133.36	1/2	2,386.42	1/2	
3/4	143.57	3/4	368.36	3/4	620.34	3/4	872.10	3/4	1,124.79	3/4	1,378.22	3/4	1,631.72	3/4	1,885.23	3/4	2,138.64	3/4	2,391.66	3/4	
9	147.80	9	373.60	9	625.55	9	877.38	9	1,130.07	9	1,383.50	9	1,637.01	9	1,890.51	9	2,143.92	9	2,396.90	9	
1/4	152.13	1/4	378.89	1/4	630.77	1/4	882.66	1/4	1,135.35	1/4	1,388.78	1/4	1,642.29	1/4	1,895.79	1/4	2,149.20	1/4	2,402.14	1/4	
1/2	156.46	1/2	384.17	1/2	635.99	1/2	887.95	1/2	1,140.63	1/2	1,394.07	1/2	1,647.57	1/2	1,901.07	1/2	2,154.48	1/2	2,407.38	1/2	
3/4	160.79	3/4	389.45	3/4	641.20	3/4	893.23	3/4	1,145.91	3/4	1,399.35	3/4	1,652.85	3/4	1,906.35	3/4	2,159.76	3/4	2,412.62	3/4	
10	165.12	10	394.73	10	646.42	10	898.51	10	1,151.20	10	1,404.63	10	1,658.13	10	1,911.63	10	2,165.04	10	2,417.86	10	
1/4	169.33	1/4	400.01	1/4	651.64	1/4	903.79	1/4	1,156.48	1/4	1,409.91	1/4	1,663.41	1/4	1,916.91	1/4	2,170.32	1/4	2,423.10	1/4	
1/2	173.54	1/2	405.30	1/2	656.86	1/2	909.08	1/2	1,161.76	1/2	1,415.19	1/2	1,668.69	1/2	1,922.18	1/2	2,175.61	1/2	2,428.34	1/2	
3/4	177.75	3/4	410.58	3/4	662.08	3/4	914.36	3/4	1,167.04	3/4	1,420.47	3/4	1,673.97	3/4	1,927.46	3/4	2,180.89	3/4	2,433.58	3/4	
11	181.96	11	415.86	11	667.30	11	919.64	11	1,172.32	11	1,425.75	11	1,679.26	11	1,932.73	11	2,186.17	11	2,438.82	11	
1/4	186.25	1/4	421.14	1/4	672.52	1/4	924.92	1/4	1,177.60	1/4	1,431.03	1/4	1,684.54	1/4	1,938.01	1/4	2,191.45	1/4	2,444.06	1/4	
1/2	190.54	1/2	426.43	1/2	677.74	1/2	930.21	1/2	1,182.89	1/2	1,436.32	1/2	1,689.82	1/2	1,943.28	1/2	2,196.73	1/2	2,449.30	1/2	
3/4	194.84	3/4	431.71	3/4	682.96	3/4	935.49	3/4	1,188.17	3/4	1,441.60	3/4	1,695.10	3/4	1,948.56	3/4	2,202.01	3/4	2,454.54	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 80"
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	14.85	0	199.13	0	436.92	0	689.24	0	942.43	0	1,195.02	0	1,448.37	0	1,701.78	0	1,955.15	0	2,208.51	0	2,460.92
1/4	17.47	1/4	203.51	1/4	442.20	1/4	694.50	1/4	947.68	1/4	1,200.30	1/4	1,453.65	1/4	1,707.06	1/4	1,960.42	1/4	2,213.79	1/4	2,466.16
1/2	20.09	1/2	207.89	1/2	447.48	1/2	699.75	1/2	952.92	1/2	1,205.58	1/2	1,458.93	1/2	1,712.34	1/2	1,965.70	1/2	2,219.07	1/2	2,471.40
3/4	22.71	3/4	212.28	3/4	452.76	3/4	705.00	3/4	958.17	3/4	1,210.86	3/4	1,464.21	3/4	1,717.62	3/4	1,970.98	3/4	2,224.35	3/4	2,476.64
1	25.33	1	216.66	1	458.04	1	710.25	1	963.42	1	1,216.14	1	1,469.48	1	1,722.90	1	1,976.26	1	2,229.63	1	2,481.88
1/4	28.74	1/4	221.13	1/4	463.32	1/4	715.51	1/4	968.66	1/4	1,221.42	1/4	1,474.76	1/4	1,728.18	1/4	1,981.54	1/4	2,234.91	1/4	2,487.11
1/2	32.16	1/2	225.60	1/2	468.61	1/2	720.77	1/2	973.91	1/2	1,226.70	1/2	1,480.04	1/2	1,733.46	1/2	1,986.82	1/2	2,240.18	1/2	2,492.35
3/4	35.57	3/4	230.06	3/4	473.89	3/4	726.03	3/4	979.16	3/4	1,231.98	3/4	1,485.32	3/4	1,738.74	3/4	1,992.09	3/4	2,245.46	3/4	2,497.59
2	38.99	2	234.53	2	479.17	2	731.29	2	984.40	2	1,237.26	2	1,490.60	2	1,744.02	2	1,997.37	2	2,250.74	2	2,502.83
1/4	42.51	1/4	239.08	1/4	484.45	1/4	736.54	1/4	989.64	1/4	1,242.53	1/4	1,495.88	1/4	1,749.30	1/4	2,002.65	1/4	2,256.02	1/4	2,508.07
1/2	46.04	1/2	243.63	1/2	489.73	1/2	741.80	1/2	994.89	1/2	1,247.80	1/2	1,501.16	1/2	1,754.58	1/2	2,007.93	1/2	2,261.30	1/2	2,513.31
3/4	49.57	3/4	248.17	3/4	495.01	3/4	747.06	3/4	1,000.13	3/4	1,253.07	3/4	1,506.44	3/4	1,759.86	3/4	2,013.21	3/4	2,266.58	3/4	2,518.54
3	53.09	3	252.72	3	500.29	3	752.32	3	1,005.37	3	1,258.34	3	1,511.72	3	1,765.14	3	2,018.49	3	2,271.86	3	2,523.78
1/4	56.71	1/4	257.55	1/4	505.54	1/4	757.60	1/4	1,010.61	1/4	1,263.61	1/4	1,517.00	1/4	1,770.42	1/4	2,023.77	1/4	2,277.13	1/4	2,529.02
1/2	60.32	1/2	262.38	1/2	510.79	1/2	762.88	1/2	1,015.86	1/2	1,268.88	1/2	1,522.28	1/2	1,775.70	1/2	2,029.04	1/2	2,282.41	1/2	2,534.26
3/4	63.94	3/4	267.21	3/4	516.04	3/4	768.16	3/4	1,021.10	3/4	1,274.15	3/4	1,527.56	3/4	1,780.98	3/4	2,034.32	3/4	2,287.69	3/4	2,539.50
4	67.55	4	272.04	4	521.29	4	773.45	4	1,026.34	4	1,279.42	4	1,532.84	4	1,786.25	4	2,039.60	4	2,292.97	4	2,544.74
1/4	71.26	1/4	276.95	1/4	526.53	1/4	778.73	1/4	1,031.59	1/4	1,284.70	1/4	1,538.12	1/4	1,791.53	1/4	2,044.88	1/4	2,298.25	1/4	2,549.98
1/2	74.96	1/2	281.87	1/2	531.78	1/2	784.01	1/2	1,036.83	1/2	1,289.98	1/2	1,543.40	1/2	1,796.81	1/2	2,050.16	1/2	2,303.53	1/2	2,555.21
3/4	78.67	3/4	286.78	3/4	537.03	3/4	789.29	3/4	1,042.08	3/4	1,295.26	3/4	1,548.68	3/4	1,802.09	3/4	2,055.44	3/4	2,308.80	3/4	2,560.45
5	82.38	5	291.69	5	542.28	5	794.57	5	1,047.33	5	1,300.54	5	1,553.96	5	1,807.37	5	2,060.72	5	2,314.08	5	2,565.69
1/4	86.27	1/4	296.68	1/4	547.52	1/4	799.85	1/4	1,052.57	1/4	1,305.82	1/4	1,559.24	1/4	1,812.65	1/4	2,065.99	1/4	2,319.36	1/4	2,570.53
1/2	90.17	1/2	301.68	1/2	552.77	1/2	805.13	1/2	1,057.82	1/2	1,311.10	1/2	1,564.52	1/2	1,817.93	1/2	2,071.27	1/2	2,324.64	1/2	2,575.37
3/4	94.07	3/4	306.67	3/4	558.02	3/4	810.41	3/4	1,063.06	3/4	1,316.38	3/4	1,569.80	3/4	1,823.21	3/4	2,076.55	3/4	2,329.92	3/4	2,580.21
6	97.96	6	311.67	6	563.27	6	815.69	6	1,068.31	6	1,321.66	6	1,575.07	6	1,828.49	6	2,081.83	6	2,335.20	6	2,585.05
1/4	102.03	1/4	316.74	1/4	568.51	1/4	820.97	1/4	1,073.59	1/4	1,326.94	1/4	1,580.35	1/4	1,833.77	1/4	2,087.11	1/4	2,340.44	1/4	2,589.01
1/2	106.11	1/2	321.82	1/2	573.76	1/2	826.25	1/2	1,078.87	1/2	1,332.22	1/2	1,585.63	1/2	1,839.05	1/2	2,092.39	1/2	2,345.67	1/2	2,592.97
3/4	110.18	3/4	326.89	3/4	579.01	3/4	831.53	3/4	1,084.15	3/4	1,337.50	3/4	1,590.91	3/4	1,844.33	3/4	2,097.66	3/4	2,350.91	3/4	2,596.92
7	114.25	7	331.97	7	584.26	7	836.81	7	1,089.43	7	1,342.78	7	1,596.19	7	1,849.61	7	2,102.94	7	2,356.15	7	2,600.88
1/4	118.40	1/4	337.13	1/4	589.50	1/4	842.10	1/4	1,094.71	1/4	1,348.06	1/4	1,601.47	1/4	1,854.89	1/4	2,108.22	1/4	2,361.39	1/4	2,603.96
1/2	122.56	1/2	342.28	1/2	594.75	1/2	847.38	1/2	1,099.99	1/2	1,353.34	1/2	1,606.75	1/2	1,860.17	1/2	2,113.50	1/2	2,366.63	1/2	
3/4	126.71	3/4	347.44	3/4	600.00	3/4	852.66	3/4	1,105.27	3/4	1,358.62	3/4	1,612.03	3/4	1,865.45	3/4	2,118.78	3/4	2,371.87	3/4	
8	130.86	8	352.60	8	605.25	8	857.94	8	1,110.55	8	1,363.89	8	1,617.31	8	1,870.73	8	2,124.06	8	2,377.11	8	
1/4	135.10	1/4	357.84	1/4	610.49	1/4	863.22	1/4	1,115.83	1/4	1,369.17	1/4	1,622.59	1/4	1,876.01	1/4	2,129.34	1/4	2,382.34	1/4	
1/2	139.33	1/2	363.08	1/2	615.74	1/2	868.50	1/2	1,121.11	1/2	1,374.45	1/2	1,627.87	1/2	1,881.29	1/2	2,134.61	1/2	2,387.58	1/2	
3/4	143.57	3/4	368.32	3/4	620.99	3/4	873.78	3/4	1,126.39	3/4	1,379.73	3/4	1,633.15	3/4	1,886.57	3/4	2,139.89	3/4	2,392.82	3/4	
9	147.81	9	373.56	9	626.23	9	879.06	9	1,131.67	9	1,385.01	9	1,638.43	9	1,891.84	9	2,145.17	9	2,398.06	9	
1/4	152.13	1/4	378.84	1/4	631.48	1/4	884.34	1/4	1,136.95	1/4	1,390.29	1/4	1,643.71	1/4	1,897.12	1/4	2,150.45	1/4	2,403.30	1/4	
1/2	156.46	1/2	384.12	1/2	636.73	1/2	889.62	1/2	1,142.22	1/2	1,395.57	1/2	1,648.99	1/2	1,902.40	1/2	2,155.73	1/2	2,408.54	1/2	
3/4	160.79	3/4	389.40	3/4	641.98	3/4	894.90	3/4	1,147.50	3/4	1,400.85	3/4	1,654.27	3/4	1,907.68	3/4	2,161.01	3/4	2,413.77	3/4	
10	165.12	10	394.68	10	647.23	10	900.18	10	1,152.78	10	1,406.13	10	1,659.55	10	1,912.96	10	2,166.29	10	2,419.01	10	
1/4	169.33	1/4	399.96	1/4	652.48	1/4	905.47	1/4	1,158.06	1/4	1,411.41	1/4	1,664.83	1/4	1,918.24	1/4	2,171.56	1/4	2,424.25	1/4	
1/2	173.54	1/2	405.24	1/2	657.74	1/2	910.75	1/2	1,163.34	1/2	1,416.69	1/2	1,670.11	1/2	1,923.51	1/2	2,176.84	1/2	2,429.49	1/2	
3/4	177.75	3/4	410.52	3/4	662.99	3/4	916.03	3/4	1,168.62	3/4	1,421.97	3/4	1,675.39	3/4	1,928.78	3/4	2,182.12	3/4	2,434.73	3/4	
11	181.96	11	415.80	11	668.24	11	921.31	11	1,173.90	11	1,427.25	11	1,680.66	11	1,934.05	11	2,187.40	11	2,439.97	11	
1/4	186.25	1/4	421.08	1/4	673.49	1/4	926.59	1/4	1,179.18	1/4	1,432.53	1/4	1,685.94	1/4	1,939.33	1/4	2,192.68	1/4	2,445.21	1/4	
1/2	190.54	1/2	426.36	1/2	678.74	1/2	931.87	1/2	1,184.46	1/2	1,437.81	1/2	1,691.22	1/2	1,944.60	1/2	2,197.96	1/2	2,450.44	1/2	
3/4	194.83	3/4	431.64	3/4	683.99	3/4	937.15	3/4	1,189.74	3/4	1,443.09	3/4	1,696.50	3/4	1,949.87	3/4	2,203.23	3/4	2,455.68	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 80"
MAGNOLIA BARGE

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
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.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "MM 80"
MAGNOLIA BARGE

2 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0	16.17	0	282.29	0	556.89	0	832.95	0	1,109.88	0	1,383.86	0	1,660.94	0	1,938.10	0	2,215.21	0	2,492.31	0	2,768.47
1/4	20.87	1/4	287.85	1/4	562.66	1/4	838.69	1/4	1,115.52	1/4	1,389.63	1/4	1,666.72	1/4	1,943.87	1/4	2,220.98	1/4	2,498.09	1/4	2,774.20
1/2	25.57	1/2	293.41	1/2	568.44	1/2	844.44	1/2	1,121.16	1/2	1,395.41	1/2	1,672.49	1/2	1,949.65	1/2	2,226.75	1/2	2,503.86	1/2	2,779.93
3/4	30.27	3/4	298.96	3/4	574.21	3/4	850.19	3/4	1,126.81	3/4	1,401.18	3/4	1,678.27	3/4	1,955.42	3/4	2,232.52	3/4	2,509.63	3/4	2,785.67
1	34.98	1	304.52	1	579.99	1	855.93	1	1,132.45	1	1,406.95	1	1,684.04	1	1,961.20	1	2,238.30	1	2,515.41	1	2,791.40
1/4	40.46	1/4	310.08	1/4	585.77	1/4	861.69	1/4	1,138.09	1/4	1,412.73	1/4	1,689.81	1/4	1,966.97	1/4	2,244.07	1/4	2,521.18	1/4	2,797.13
1/2	45.94	1/2	315.64	1/2	591.54	1/2	867.44	1/2	1,143.73	1/2	1,418.50	1/2	1,695.59	1/2	1,972.74	1/2	2,249.84	1/2	2,526.95	1/2	2,802.86
3/4	51.43	3/4	321.19	3/4	597.32	3/4	873.19	3/4	1,149.38	3/4	1,424.28	3/4	1,701.36	3/4	1,978.52	3/4	2,255.62	3/4	2,532.73	3/4	2,808.60
2	56.91	2	326.75	2	603.09	2	878.95	2	1,155.02	2	1,430.05	2	1,707.14	2	1,984.29	2	2,261.39	2	2,538.50	2	2,814.33
1/4	62.42	1/4	332.31	1/4	608.87	1/4	884.70	1/4	1,160.66	1/4	1,435.82	1/4	1,712.91	1/4	1,990.07	1/4	2,267.16	1/4	2,544.27	1/4	2,820.06
1/2	67.94	1/2	337.87	1/2	614.64	1/2	890.45	1/2	1,166.30	1/2	1,441.58	1/2	1,718.68	1/2	1,995.84	1/2	2,272.94	1/2	2,550.05	1/2	2,825.80
3/4	73.46	3/4	343.42	3/4	620.42	3/4	896.21	3/4	1,171.94	3/4	1,447.35	3/4	1,724.46	3/4	2,001.61	3/4	2,278.71	3/4	2,555.82	3/4	2,831.53
3	78.97	3	348.98	3	626.19	3	901.96	3	1,177.58	3	1,453.11	3	1,730.23	3	2,007.39	3	2,284.48	3	2,561.59	3	2,837.26
1/4	84.49	1/4	354.76	1/4	631.93	1/4	907.74	1/4	1,183.22	1/4	1,458.88	1/4	1,736.01	1/4	2,013.16	1/4	2,290.26	1/4	2,567.36	1/4	2,843.00
1/2	90.02	1/2	360.53	1/2	637.68	1/2	913.51	1/2	1,188.85	1/2	1,464.64	1/2	1,741.78	1/2	2,018.94	1/2	2,296.03	1/2	2,573.14	1/2	2,848.73
3/4	95.54	3/4	366.31	3/4	643.42	3/4	919.29	3/4	1,194.49	3/4	1,470.41	3/4	1,747.55	3/4	2,024.71	3/4	2,301.80	3/4	2,578.91	3/4	2,854.46
4	101.06	4	372.08	4	649.17	4	925.06	4	1,200.13	4	1,476.17	4	1,753.33	4	2,030.49	4	2,307.58	4	2,584.68	4	2,860.20
1/4	106.60	1/4	377.86	1/4	654.91	1/4	930.84	1/4	1,205.78	1/4	1,481.95	1/4	1,759.10	1/4	2,036.26	1/4	2,313.35	1/4	2,590.46	1/4	2,865.93
1/2	112.13	1/2	383.63	1/2	660.65	1/2	936.61	1/2	1,211.42	1/2	1,487.72	1/2	1,764.88	1/2	2,042.03	1/2	2,319.12	1/2	2,596.23	1/2	2,871.66
3/4	117.67	3/4	389.41	3/4	666.39	3/4	942.39	3/4	1,217.06	3/4	1,493.49	3/4	1,770.65	3/4	2,047.81	3/4	2,324.89	3/4	2,602.00	3/4	2,877.40
5	123.20	5	395.18	5	672.13	5	948.16	5	1,222.70	5	1,499.27	5	1,776.43	5	2,053.58	5	2,330.67	5	2,607.78	5	2,883.13
1/4	128.85	1/4	400.96	1/4	677.88	1/4	953.94	1/4	1,228.35	1/4	1,505.04	1/4	1,782.20	1/4	2,059.36	1/4	2,336.44	1/4	2,613.55	1/4	2,888.42
1/2	134.50	1/2	406.73	1/2	683.62	1/2	959.72	1/2	1,233.99	1/2	1,510.82	1/2	1,787.97	1/2	2,065.13	1/2	2,342.21	1/2	2,619.32	1/2	2,893.72
3/4	140.15	3/4	412.51	3/4	689.36	3/4	965.49	3/4	1,239.63	3/4	1,516.59	3/4	1,793.75	3/4	2,070.90	3/4	2,347.99	3/4	2,625.10	3/4	2,899.01
6	145.81	6	418.28	6	695.10	6	971.27	6	1,245.27	6	1,522.36	6	1,799.52	6	2,076.68	6	2,353.76	6	2,630.87	6	2,904.30
1/4	151.56	1/4	424.06	1/4	700.84	1/4	977.04	1/4	1,251.05	1/4	1,528.14	1/4	1,805.30	1/4	2,082.45	1/4	2,359.53	1/4	2,636.60	1/4	2,908.63
1/2	157.31	1/2	429.83	1/2	706.59	1/2	982.82	1/2	1,256.82	1/2	1,533.91	1/2	1,811.07	1/2	2,088.23	1/2	2,365.31	1/2	2,642.34	1/2	2,912.96
3/4	163.07	3/4	435.61	3/4	712.33	3/4	988.59	3/4	1,262.60	3/4	1,539.69	3/4	1,816.84	3/4	2,094.00	3/4	2,371.08	3/4	2,648.07	3/4	2,917.29
7	168.82	7	441.39	7	718.07	7	994.37	7	1,268.37	7	1,545.46	7	1,822.62	7	2,099.77	7	2,376.85	7	2,653.80	7	2,921.62
1/4	174.58	1/4	447.16	1/4	723.81	1/4	1,000.14	1/4	1,274.14	1/4	1,551.24	1/4	1,828.39	1/4	2,105.55	1/4	2,382.63	1/4	2,659.53	1/4	2,924.99
1/2	180.33	1/2	452.94	1/2	729.55	1/2	1,005.92	1/2	1,279.92	1/2	1,557.01	1/2	1,834.17	1/2	2,111.32	1/2	2,388.40	1/2	2,665.27	1/2	
3/4	186.09	3/4	458.71	3/4	735.30	3/4	1,011.70	3/4	1,285.69	3/4	1,562.78	3/4	1,839.94	3/4	2,117.10	3/4	2,394.17	3/4	2,671.00	3/4	
8	191.84	8	464.49	8	741.04	8	1,017.47	8	1,291.47	8	1,568.56	8	1,845.71	8	2,122.87	8	2,399.94	8	2,676.73	8	
1/4	197.59	1/4	470.26	1/4	746.78	1/4	1,023.25	1/4	1,297.24	1/4	1,574.33	1/4	1,851.49	1/4	2,128.65	1/4	2,405.72	1/4	2,682.47	1/4	
1/2	203.35	1/2	476.04	1/2	752.52	1/2	1,029.02	1/2	1,303.02	1/2	1,580.11	1/2	1,857.26	1/2	2,134.42	1/2	2,411.49	1/2	2,688.20	1/2	
3/4	209.10	3/4	481.81	3/4	758.26	3/4	1,034.80	3/4	1,308.79	3/4	1,585.88	3/4	1,863.04	3/4	2,140.19	3/4	2,417.26	3/4	2,693.93	3/4	
9	214.86	9	487.59	9	764.01	9	1,040.57	9	1,314.57	9	1,591.65	9	1,868.81	9	2,145.97	9	2,423.04	9	2,699.67	9	
1/4	220.62	1/4	493.36	1/4	769.75	1/4	1,046.35	1/4	1,320.34	1/4	1,597.43	1/4	1,874.58	1/4	2,151.74	1/4	2,428.81	1/4	2,705.40	1/4	
1/2	226.39	1/2	499.14	1/2	775.49	1/2	1,052.12	1/2	1,326.11	1/2	1,603.20	1/2	1,880.36	1/2	2,157.52	1/2	2,434.58	1/2	2,711.13	1/2	
3/4	232.15	3/4	504.91	3/4	781.24	3/4	1,057.90	3/4	1,331.89	3/4	1,608.98	3/4	1,886.13	3/4	2,163.29	3/4	2,440.36	3/4	2,716.87	3/4	
10	237.92	10	510.69	10	786.98	10	1,063.68	10	1,337.66	10	1,614.75	10	1,891.91	10	2,169.06	10	2,446.13	10	2,722.60	10	
1/4	243.46	1/4	516.46	1/4	792.73	1/4	1,069.45	1/4	1,343.44	1/4	1,620.52	1/4	1,897.68	1/4	2,174.83	1/4	2,451.90	1/4	2,728.33	1/4	
1/2	249.01	1/2	522.24	1/2	798.47	1/2	1,075.23	1/2	1,349.21	1/2	1,626.30	1/2	1,903.46	1/2	2,180.60	1/2	2,457.68	1/2	2,734.07	1/2	
3/4	254.56	3/4	528.01	3/4	804.22	3/4	1,081.00	3/4	1,354.99	3/4	1,632.07	3/4	1,909.23	3/4	2,186.37	3/4	2,463.45	3/4	2,739.80	3/4	
11	260.10	11	533.79	11	809.97	11	1,086.78	11	1,360.76	11	1,637.85	11	1,915.00	11	2,192.14	11	2,469.22	11	2,745.53	11	
1/4	265.65	1/4	539.56	1/4	815.71	1/4	1,092.55	1/4	1,366.53	1/4	1,643.62	1/4	1,920.78	1/4	2,197.90	1/4	2,474.99	1/4	2,751.27	1/4	
1/2	271.20	1/2	545.34	1/2	821.46	1/2	1,098.33	1/2	1,372.31	1/2	1,649.39	1/2	1,926.55	1/2	2,203.67	1/2	2,480.77	1/2	2,757.00	1/2	
3/4	276.74	3/4	551.11	3/4	827.20	3/4	1,104.10	3/4	1,378.08	3/4	1,655.17	3/4	1,932.33	3/4	2,209.44	3/4	2,486.54	3/4	2,762.73	3/4	

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BARGE "MM 80"
MAGNOLIA BARGE

3 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0	15.96	0	278.39	0	549.18	0	811.73	0	1,079.44	0	1,349.60	0	1,622.86	0	1,896.19	0	2,169.47	0	2,442.75	0	2,715.07
1/4	20.60	1/4	283.87	1/4	554.88	1/4	817.12	1/4	1,085.01	1/4	1,355.29	1/4	1,628.55	1/4	1,901.88	1/4	2,175.16	1/4	2,448.44	1/4	2,720.72
1/2	25.23	1/2	289.35	1/2	560.57	1/2	822.52	1/2	1,090.57	1/2	1,360.98	1/2	1,634.24	1/2	1,907.58	1/2	2,180.85	1/2	2,454.14	1/2	2,726.38
3/4	29.87	3/4	294.83	3/4	566.27	3/4	827.92	3/4	1,096.13	3/4	1,366.68	3/4	1,639.94	3/4	1,913.27	3/4	2,186.55	3/4	2,459.83	3/4	2,732.03
1	34.50	1	300.31	1	571.97	1	833.32	1	1,101.70	1	1,372.37	1	1,645.63	1	1,918.96	1	2,192.24	1	2,465.52	1	2,737.68
1/4	39.91	1/4	305.79	1/4	577.66	1/4	838.72	1/4	1,107.26	1/4	1,378.07	1/4	1,651.33	1/4	1,924.66	1/4	2,197.93	1/4	2,471.22	1/4	2,743.34
1/2	45.32	1/2	311.27	1/2	583.36	1/2	844.12	1/2	1,112.82	1/2	1,383.76	1/2	1,657.02	1/2	1,930.35	1/2	2,203.63	1/2	2,476.91	1/2	2,748.99
3/4	50.73	3/4	316.75	3/4	589.05	3/4	849.53	3/4	1,118.39	3/4	1,389.46	3/4	1,662.72	3/4	1,936.05	3/4	2,209.32	3/4	2,482.60	3/4	2,754.64
2	56.13	2	322.23	2	594.75	2	854.93	2	1,123.95	2	1,395.15	2	1,668.41	2	1,941.74	2	2,215.01	2	2,488.30	2	2,760.30
1/4	61.57	1/4	327.71	1/4	600.44	1/4	860.34	1/4	1,129.51	1/4	1,400.84	1/4	1,674.11	1/4	1,947.44	1/4	2,220.71	1/4	2,493.99	1/4	2,765.95
1/2	67.01	1/2	333.19	1/2	606.14	1/2	865.74	1/2	1,135.07	1/2	1,406.52	1/2	1,679.80	1/2	1,953.13	1/2	2,226.40	1/2	2,499.68	1/2	2,771.60
3/4	72.45	3/4	338.67	3/4	611.83	3/4	871.15	3/4	1,140.63	3/4	1,412.21	3/4	1,685.49	3/4	1,958.83	3/4	2,232.09	3/4	2,505.38	3/4	2,777.26
3	77.89	3	344.15	3	617.53	3	876.55	3	1,146.19	3	1,417.89	3	1,691.19	3	1,964.52	3	2,237.79	3	2,511.07	3	2,782.91
1/4	83.33	1/4	349.84	1/4	622.92	1/4	881.98	1/4	1,151.74	1/4	1,423.58	1/4	1,696.88	1/4	1,970.21	1/4	2,243.48	1/4	2,516.76	1/4	2,788.56
1/2	88.78	1/2	355.54	1/2	628.32	1/2	887.40	1/2	1,157.30	1/2	1,429.26	1/2	1,702.58	1/2	1,975.91	1/2	2,249.17	1/2	2,522.46	1/2	2,794.22
3/4	94.22	3/4	361.24	3/4	633.72	3/4	892.83	3/4	1,162.86	3/4	1,434.95	3/4	1,708.27	3/4	1,981.60	3/4	2,254.87	3/4	2,528.15	3/4	2,799.87
4	99.67	4	366.93	4	639.11	4	898.26	4	1,168.42	4	1,440.63	4	1,713.97	4	1,987.30	4	2,260.56	4	2,533.84	4	2,805.52
1/4	105.13	1/4	372.63	1/4	644.50	1/4	903.68	1/4	1,173.98	1/4	1,446.33	1/4	1,719.66	1/4	1,992.99	1/4	2,266.25	1/4	2,539.54	1/4	2,811.18
1/2	110.59	1/2	378.32	1/2	649.90	1/2	909.11	1/2	1,179.55	1/2	1,452.02	1/2	1,725.35	1/2	1,998.69	1/2	2,271.95	1/2	2,545.23	1/2	2,816.83
3/4	116.04	3/4	384.02	3/4	655.29	3/4	914.54	3/4	1,185.11	3/4	1,457.72	3/4	1,731.05	3/4	2,004.38	3/4	2,277.64	3/4	2,550.92	3/4	2,822.48
5	121.50	5	389.71	5	660.68	5	919.96	5	1,190.67	5	1,463.41	5	1,736.74	5	2,010.07	5	2,283.33	5	2,556.62	5	2,828.14
1/4	127.07	1/4	395.41	1/4	666.08	1/4	925.66	1/4	1,196.24	1/4	1,469.11	1/4	1,742.44	1/4	2,015.77	1/4	2,289.03	1/4	2,562.31	1/4	2,833.36
1/2	132.65	1/2	401.10	1/2	671.47	1/2	931.36	1/2	1,201.80	1/2	1,474.80	1/2	1,748.13	1/2	2,021.46	1/2	2,294.72	1/2	2,568.00	1/2	2,838.58
3/4	138.22	3/4	406.80	3/4	676.86	3/4	937.05	3/4	1,207.36	3/4	1,480.50	3/4	1,753.83	3/4	2,027.16	3/4	2,300.41	3/4	2,573.70	3/4	2,843.80
6	143.79	6	412.49	6	682.26	6	942.75	6	1,212.93	6	1,486.19	6	1,759.52	6	2,032.85	6	2,306.11	6	2,579.39	6	2,849.02
1/4	149.47	1/4	418.19	1/4	687.65	1/4	948.44	1/4	1,218.62	1/4	1,491.88	1/4	1,765.22	1/4	2,038.55	1/4	2,311.80	1/4	2,585.04	1/4	2,853.29
1/2	155.14	1/2	423.89	1/2	693.04	1/2	954.14	1/2	1,224.31	1/2	1,497.58	1/2	1,770.91	1/2	2,044.24	1/2	2,317.50	1/2	2,590.70	1/2	2,857.56
3/4	160.82	3/4	429.58	3/4	698.43	3/4	959.83	3/4	1,230.01	3/4	1,503.27	3/4	1,776.60	3/4	2,049.94	3/4	2,323.19	3/4	2,596.35	3/4	2,861.83
7	166.49	7	435.28	7	703.83	7	965.53	7	1,235.70	7	1,508.97	7	1,782.30	7	2,055.63	7	2,328.88	7	2,602.00	7	2,866.10
1/4	172.17	1/4	440.97	1/4	709.22	1/4	971.23	1/4	1,241.40	1/4	1,514.66	1/4	1,787.99	1/4	2,061.32	1/4	2,334.58	1/4	2,607.66	1/4	2,869.42
1/2	177.84	1/2	446.67	1/2	714.61	1/2	976.92	1/2	1,247.09	1/2	1,520.36	1/2	1,793.69	1/2	2,067.02	1/2	2,340.27	1/2	2,613.31	1/2	
3/4	183.52	3/4	452.36	3/4	720.01	3/4	982.62	3/4	1,252.79	3/4	1,526.05	3/4	1,799.38	3/4	2,072.71	3/4	2,345.96	3/4	2,618.96	3/4	
8	189.19	8	458.06	8	725.40	8	988.31	8	1,258.48	8	1,531.75	8	1,805.08	8	2,078.41	8	2,351.66	8	2,624.62	8	
1/4	194.86	1/4	463.75	1/4	730.79	1/4	994.01	1/4	1,264.18	1/4	1,537.44	1/4	1,810.77	1/4	2,084.10	1/4	2,357.35	1/4	2,630.27	1/4	
1/2	200.54	1/2	469.45	1/2	736.19	1/2	999.70	1/2	1,269.87	1/2	1,543.13	1/2	1,816.47	1/2	2,089.80	1/2	2,363.04	1/2	2,635.92	1/2	
3/4	206.21	3/4	475.14	3/4	741.58	3/4	1,005.40	3/4	1,275.57	3/4	1,548.83	3/4	1,822.16	3/4	2,095.49	3/4	2,368.74	3/4	2,641.58	3/4	
9	211.89	9	480.84	9	746.97	9	1,011.10	9	1,281.26	9	1,554.52	9	1,827.85	9	2,101.19	9	2,374.43	9	2,647.23	9	
1/4	217.57	1/4	486.53	1/4	752.37	1/4	1,016.79	1/4	1,286.95	1/4	1,560.22	1/4	1,833.55	1/4	2,106.88	1/4	2,380.12	1/4	2,652.88	1/4	
1/2	223.26	1/2	492.23	1/2	757.76	1/2	1,022.49	1/2	1,292.65	1/2	1,565.91	1/2	1,839.24	1/2	2,112.57	1/2	2,385.82	1/2	2,658.54	1/2	
3/4	228.94	3/4	497.93	3/4	763.16	3/4	1,028.18	3/4	1,298.34	3/4	1,571.61	3/4	1,844.94	3/4	2,118.27	3/4	2,391.51	3/4	2,664.19	3/4	
10	234.63	10	503.62	10	768.55	10	1,033.88	10	1,304.04	10	1,577.30	10	1,850.63	10	2,123.96	10	2,397.20	10	2,669.84	10	
1/4	240.10	1/4	509.32	1/4	773.95	1/4	1,039.57	1/4	1,309.73	1/4	1,582.99	1/4	1,856.33	1/4	2,129.65	1/4	2,402.90	1/4	2,675.50	1/4	
1/2	245.57	1/2	515.01	1/2	779.35	1/2	1,045.27	1/2	1,315.43	1/2	1,588.69	1/2	1,862.02	1/2	2,135.34	1/2	2,408.59	1/2	2,681.15	1/2	
3/4	251.04	3/4	520.71	3/4	784.74	3/4	1,050.97	3/4	1,321.12	3/4	1,594.38	3/4	1,867.71	3/4	2,141.03	3/4	2,414.28	3/4	2,686.80	3/4	
11	256.51	11	526.40	11	790.14	11	1,056.66	11	1,326.82	11	1,600.08	11	1,873.41	11	2,146.72	11	2,419.98	11	2,692.46	11	
1/4	261.98	1/4	532.10	1/4	795.54	1/4	1,062.36	1/4	1,332.51	1/4	1,605.77	1/4	1,879.10	1/4	2,152.40	1/4	2,425.67	1/4	2,698.11	1/4	
1/2	267.45	1/2	537.79	1/2	800.93	1/2	1,068.05	1/2	1,338.21	1/2	1,611.47	1/2	1,884.80	1/2	2,158.09	1/2	2,431.36	1/2	2,703.76	1/2	
3/4	272.92	3/4	543.49	3/4	806.33	3/4	1,073.75	3/4	1,343.90	3/4	1,617.16	3/4	1,890.49	3/4	2,163.78	3/4	2,437.06	3/4	2,709.42	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 80"
MAGNOLIA BARGE

3 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0	15.96	0	278.30	0	549.01	0	821.16	0	1,094.17	0	1,364.24	0	1,637.41	0	1,910.66	0	2,183.85	0	2,457.04	0	2,729.28
1/4	20.59	1/4	283.78	1/4	554.70	1/4	826.82	1/4	1,099.73	1/4	1,369.93	1/4	1,643.10	1/4	1,916.35	1/4	2,189.54	1/4	2,462.73	1/4	2,734.93
1/2	25.22	1/2	289.25	1/2	560.40	1/2	832.49	1/2	1,105.29	1/2	1,375.62	1/2	1,648.80	1/2	1,922.04	1/2	2,195.23	1/2	2,468.43	1/2	2,740.58
3/4	29.86	3/4	294.73	3/4	566.09	3/4	838.15	3/4	1,110.86	3/4	1,381.32	3/4	1,654.49	3/4	1,927.73	3/4	2,200.92	3/4	2,474.12	3/4	2,746.23
1	34.49	1	300.21	1	571.78	1	843.81	1	1,116.42	1	1,387.01	1	1,660.18	1	1,933.43	1	2,206.61	1	2,479.81	1	2,751.88
1/4	39.90	1/4	305.69	1/4	577.48	1/4	849.49	1/4	1,121.98	1/4	1,392.70	1/4	1,665.87	1/4	1,939.12	1/4	2,212.30	1/4	2,485.50	1/4	2,757.53
1/2	45.30	1/2	311.17	1/2	583.17	1/2	855.16	1/2	1,127.54	1/2	1,398.39	1/2	1,671.57	1/2	1,944.81	1/2	2,218.00	1/2	2,491.19	1/2	2,763.19
3/4	50.71	3/4	316.65	3/4	588.86	3/4	860.83	3/4	1,133.10	3/4	1,404.09	3/4	1,677.26	3/4	1,950.50	3/4	2,223.69	3/4	2,496.88	3/4	2,768.84
2	56.12	2	322.13	2	594.56	2	866.50	2	1,138.66	2	1,409.78	2	1,682.95	2	1,956.20	2	2,229.38	2	2,502.58	2	2,774.49
1/4	61.55	1/4	327.60	1/4	600.25	1/4	872.18	1/4	1,144.22	1/4	1,415.46	1/4	1,688.64	1/4	1,961.89	1/4	2,235.07	1/4	2,508.27	1/4	2,780.14
1/2	66.99	1/2	333.08	1/2	605.95	1/2	877.85	1/2	1,149.78	1/2	1,421.15	1/2	1,694.34	1/2	1,967.58	1/2	2,240.76	1/2	2,513.96	1/2	2,785.79
3/4	72.43	3/4	338.56	3/4	611.64	3/4	883.52	3/4	1,155.33	3/4	1,426.83	3/4	1,700.03	3/4	1,973.27	3/4	2,246.45	3/4	2,519.65	3/4	2,791.44
3	77.86	3	344.04	3	617.33	3	889.19	3	1,160.89	3	1,432.51	3	1,705.72	3	1,978.97	3	2,252.14	3	2,525.34	3	2,797.09
1/4	83.31	1/4	349.73	1/4	623.00	1/4	894.89	1/4	1,166.45	1/4	1,438.20	1/4	1,711.41	1/4	1,984.66	1/4	2,257.84	1/4	2,531.03	1/4	2,802.75
1/2	88.75	1/2	355.43	1/2	628.66	1/2	900.58	1/2	1,172.01	1/2	1,443.88	1/2	1,717.11	1/2	1,990.35	1/2	2,263.53	1/2	2,536.72	1/2	2,808.40
3/4	94.19	3/4	361.12	3/4	634.32	3/4	906.27	3/4	1,177.56	3/4	1,449.56	3/4	1,722.80	3/4	1,996.04	3/4	2,269.22	3/4	2,542.42	3/4	2,814.05
4	99.64	4	366.81	4	639.98	4	911.97	4	1,183.12	4	1,455.25	4	1,728.49	4	2,001.74	4	2,274.91	4	2,548.11	4	2,819.70
1/4	105.09	1/4	372.51	1/4	645.64	1/4	917.66	1/4	1,188.68	1/4	1,460.94	1/4	1,734.18	1/4	2,007.43	1/4	2,280.60	1/4	2,553.80	1/4	2,825.35
1/2	110.55	1/2	378.20	1/2	651.30	1/2	923.35	1/2	1,194.24	1/2	1,466.63	1/2	1,739.88	1/2	2,013.12	1/2	2,286.29	1/2	2,559.49	1/2	2,831.00
3/4	116.01	3/4	383.89	3/4	656.96	3/4	929.05	3/4	1,199.80	3/4	1,472.33	3/4	1,745.57	3/4	2,018.81	3/4	2,291.99	3/4	2,565.18	3/4	2,836.66
5	121.46	5	389.59	5	662.62	5	934.74	5	1,205.37	5	1,478.02	5	1,751.26	5	2,024.51	5	2,297.68	5	2,570.87	5	2,842.31
1/4	127.03	1/4	395.28	1/4	668.29	1/4	940.44	1/4	1,210.93	1/4	1,483.71	1/4	1,756.96	1/4	2,030.20	1/4	2,303.37	1/4	2,576.57	1/4	2,847.53
1/2	132.60	1/2	400.98	1/2	673.95	1/2	946.13	1/2	1,216.49	1/2	1,489.40	1/2	1,762.65	1/2	2,035.89	1/2	2,309.06	1/2	2,582.26	1/2	2,852.74
3/4	138.18	3/4	406.67	3/4	679.61	3/4	951.82	3/4	1,222.05	3/4	1,495.10	3/4	1,768.34	3/4	2,041.59	3/4	2,314.75	3/4	2,587.95	3/4	2,857.96
6	143.75	6	412.36	6	685.27	6	957.52	6	1,227.61	6	1,500.79	6	1,774.03	6	2,047.28	6	2,320.44	6	2,593.64	6	2,863.18
1/4	149.42	1/4	418.06	1/4	690.93	1/4	963.21	1/4	1,233.30	1/4	1,506.48	1/4	1,779.73	1/4	2,052.97	1/4	2,326.14	1/4	2,599.29	1/4	2,867.45
1/2	155.09	1/2	423.75	1/2	696.59	1/2	968.91	1/2	1,239.00	1/2	1,512.17	1/2	1,785.42	1/2	2,058.66	1/2	2,331.83	1/2	2,604.94	1/2	2,871.72
3/4	160.76	3/4	429.44	3/4	702.25	3/4	974.60	3/4	1,244.69	3/4	1,517.87	3/4	1,791.11	3/4	2,064.36	3/4	2,337.52	3/4	2,610.60	3/4	2,875.99
7	166.44	7	435.14	7	707.91	7	980.29	7	1,250.38	7	1,523.56	7	1,796.80	7	2,070.05	7	2,343.21	7	2,616.25	7	2,880.26
1/4	172.11	1/4	440.83	1/4	713.57	1/4	985.99	1/4	1,256.07	1/4	1,529.25	1/4	1,802.50	1/4	2,075.74	1/4	2,348.90	1/4	2,621.90	1/4	2,883.58
1/2	177.78	1/2	446.52	1/2	719.23	1/2	991.68	1/2	1,261.77	1/2	1,534.94	1/2	1,808.19	1/2	2,081.43	1/2	2,354.59	1/2	2,627.55	1/2	
3/4	183.46	3/4	452.22	3/4	724.89	3/4	997.38	3/4	1,267.46	3/4	1,540.64	3/4	1,813.88	3/4	2,087.13	3/4	2,360.29	3/4	2,633.20	3/4	
8	189.13	8	457.91	8	730.55	8	1,003.07	8	1,273.15	8	1,546.33	8	1,819.57	8	2,092.82	8	2,365.98	8	2,638.85	8	
1/4	194.80	1/4	463.61	1/4	736.21	1/4	1,008.76	1/4	1,278.85	1/4	1,552.02	1/4	1,825.27	1/4	2,098.51	1/4	2,371.67	1/4	2,644.50	1/4	
1/2	200.47	1/2	469.30	1/2	741.87	1/2	1,014.46	1/2	1,284.54	1/2	1,557.71	1/2	1,830.96	1/2	2,104.20	1/2	2,377.36	1/2	2,650.16	1/2	
3/4	206.15	3/4	474.99	3/4	747.53	3/4	1,020.15	3/4	1,290.23	3/4	1,563.41	3/4	1,836.65	3/4	2,109.90	3/4	2,383.05	3/4	2,655.81	3/4	
9	211.82	9	480.69	9	753.19	9	1,025.85	9	1,295.92	9	1,569.10	9	1,842.34	9	2,115.59	9	2,388.74	9	2,661.46	9	
1/4	217.50	1/4	486.38	1/4	758.85	1/4	1,031.54	1/4	1,301.62	1/4	1,574.79	1/4	1,848.04	1/4	2,121.28	1/4	2,394.43	1/4	2,667.11	1/4	
1/2	223.19	1/2	492.07	1/2	764.52	1/2	1,037.23	1/2	1,307.31	1/2	1,580.48	1/2	1,853.73	1/2	2,126.97	1/2	2,400.13	1/2	2,672.76	1/2	
3/4	228.87	3/4	497.77	3/4	770.18	3/4	1,042.93	3/4	1,313.00	3/4	1,586.18	3/4	1,859.42	3/4	2,132.67	3/4	2,405.82	3/4	2,678.41	3/4	
10	234.55	10	503.46	10	775.84	10	1,048.62	10	1,318.70	10	1,591.87	10	1,865.11	10	2,138.36	10	2,411.51	10	2,684.06	10	
1/4	240.02	1/4	509.15	1/4	781.51	1/4	1,054.31	1/4	1,324.39	1/4	1,597.56	1/4	1,870.81	1/4	2,144.05	1/4	2,417.20	1/4	2,689.72	1/4	
1/2	245.49	1/2	514.85	1/2	787.17	1/2	1,060.01	1/2	1,330.08	1/2	1,603.25	1/2	1,876.50	1/2	2,149.73	1/2	2,422.89	1/2	2,695.37	1/2	
3/4	250.96	3/4	520.54	3/4	792.84	3/4	1,065.70	3/4	1,335.77	3/4	1,608.95	3/4	1,882.19	3/4	2,155.42	3/4	2,428.58	3/4	2,701.02	3/4	
11	256.42	11	526.23	11	798.50	11	1,071.40	11	1,341.47	11	1,614.64	11	1,887.88	11	2,161.10	11	2,434.28	11	2,706.67	11	
1/4	261.89	1/4	531.93	1/4	804.16	1/4	1,077.09	1/4	1,347.16	1/4	1,620.33	1/4	1,893.58	1/4	2,166.79	1/4	2,439.97	1/4	2,712.32	1/4	
1/2	267.36	1/2	537.62	1/2	809.83	1/2	1,082.78	1/2	1,352.85	1/2	1,626.03	1/2	1,899.27	1/2	2,172.47	1/2	2,445.66	1/2	2,717.97	1/2	
3/4	272.83	3/4	543.32	3/4	815.49	3/4	1,088.48	3/4	1,358.54	3/4	1,631.72	3/4	1,904.96	3/4	2,178.16	3/4	2,451.35	3/4	2,723.63	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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PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "MM 80"
MAGNOLIA BARGE

4 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
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 80"
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	293.08	0	572.53	0	848.58	0	1,125.49	0	1,399.60	0	1,673.10	0	1,949.45	0	2,226.05	0	2,502.79	0	2,778.57
1/4	21.22	1/4	298.97	1/4	578.31	1/4	854.32	1/4	1,131.14	1/4	1,405.31	1/4	1,678.81	1/4	1,955.21	1/4	2,231.81	1/4	2,508.55	1/4	2,784.29
1/2	26.11	1/2	304.86	1/2	584.08	1/2	860.07	1/2	1,136.80	1/2	1,411.01	1/2	1,684.53	1/2	1,960.97	1/2	2,237.58	1/2	2,514.32	1/2	2,790.02
3/4	31.00	3/4	310.74	3/4	589.86	3/4	865.82	3/4	1,142.45	3/4	1,416.72	3/4	1,690.25	3/4	1,966.73	3/4	2,243.35	3/4	2,520.08	3/4	2,795.74
1	35.89	1	316.63	1	595.63	1	871.56	1	1,148.10	1	1,422.43	1	1,695.96	1	1,972.49	1	2,249.11	1	2,525.85	1	2,801.47
1/4	41.72	1/4	322.52	1/4	601.41	1/4	877.31	1/4	1,153.76	1/4	1,428.13	1/4	1,701.68	1/4	1,978.25	1/4	2,254.88	1/4	2,531.62	1/4	2,807.19
1/2	47.54	1/2	328.40	1/2	607.18	1/2	883.07	1/2	1,159.41	1/2	1,433.82	1/2	1,707.40	1/2	1,984.01	1/2	2,260.64	1/2	2,537.38	1/2	2,812.92
3/4	53.36	3/4	334.29	3/4	612.95	3/4	888.82	3/4	1,165.07	3/4	1,439.52	3/4	1,713.11	3/4	1,989.77	3/4	2,266.41	3/4	2,543.15	3/4	2,818.65
2	59.19	2	340.18	2	618.73	2	894.57	2	1,170.72	2	1,445.22	2	1,718.83	2	1,995.52	2	2,272.17	2	2,548.91	2	2,824.37
1/4	65.05	1/4	346.06	1/4	624.50	1/4	900.33	1/4	1,176.36	1/4	1,450.89	1/4	1,724.60	1/4	2,001.28	1/4	2,277.94	1/4	2,554.68	1/4	2,830.10
1/2	70.90	1/2	351.95	1/2	630.28	1/2	906.08	1/2	1,182.00	1/2	1,456.57	1/2	1,730.37	1/2	2,007.04	1/2	2,283.70	1/2	2,560.44	1/2	2,835.82
3/4	76.76	3/4	357.84	3/4	636.05	3/4	911.83	3/4	1,187.64	3/4	1,462.25	3/4	1,736.14	3/4	2,012.80	3/4	2,289.47	3/4	2,566.21	3/4	2,841.55
3	82.61	3	363.72	3	641.83	3	917.59	3	1,193.28	3	1,467.92	3	1,741.90	3	2,018.56	3	2,295.23	3	2,571.97	3	2,847.27
1/4	88.48	1/4	369.54	1/4	647.57	1/4	923.36	1/4	1,198.92	1/4	1,473.61	1/4	1,747.67	1/4	2,024.32	1/4	2,301.00	1/4	2,577.74	1/4	2,853.00
1/2	94.34	1/2	375.36	1/2	653.32	1/2	929.14	1/2	1,204.56	1/2	1,479.30	1/2	1,753.44	1/2	2,030.08	1/2	2,306.76	1/2	2,583.50	1/2	2,858.72
3/4	100.21	3/4	381.18	3/4	659.06	3/4	934.91	3/4	1,210.20	3/4	1,484.98	3/4	1,759.21	3/4	2,035.84	3/4	2,312.53	3/4	2,589.27	3/4	2,864.45
4	106.07	4	387.00	4	664.80	4	940.69	4	1,215.84	4	1,490.67	4	1,764.97	4	2,041.60	4	2,318.30	4	2,595.03	4	2,870.17
1/4	111.95	1/4	392.82	1/4	670.55	1/4	946.46	1/4	1,221.50	1/4	1,496.36	1/4	1,770.74	1/4	2,047.36	1/4	2,324.06	1/4	2,600.80	1/4	2,875.90
1/2	117.82	1/2	398.64	1/2	676.29	1/2	952.24	1/2	1,227.15	1/2	1,502.06	1/2	1,776.51	1/2	2,053.12	1/2	2,329.83	1/2	2,606.57	1/2	2,881.62
3/4	123.70	3/4	404.46	3/4	682.03	3/4	958.01	3/4	1,232.80	3/4	1,507.76	3/4	1,782.28	3/4	2,058.88	3/4	2,335.59	3/4	2,612.33	3/4	2,887.35
5	129.58	5	410.28	5	687.77	5	963.79	5	1,238.46	5	1,513.45	5	1,788.05	5	2,064.64	5	2,341.36	5	2,618.10	5	2,893.08
1/4	135.43	1/4	416.10	1/4	693.51	1/4	969.56	1/4	1,244.11	1/4	1,519.15	1/4	1,793.81	1/4	2,070.41	1/4	2,347.12	1/4	2,623.86	1/4	2,898.42
1/2	141.28	1/2	421.92	1/2	699.26	1/2	975.34	1/2	1,249.76	1/2	1,524.84	1/2	1,799.58	1/2	2,076.17	1/2	2,352.89	1/2	2,629.63	1/2	2,903.77
3/4	147.13	3/4	427.74	3/4	705.00	3/4	981.11	3/4	1,255.41	3/4	1,530.54	3/4	1,805.35	3/4	2,081.94	3/4	2,358.65	3/4	2,635.39	3/4	2,909.11
6	152.98	6	433.56	6	710.74	6	986.89	6	1,261.07	6	1,536.23	6	1,811.12	6	2,087.71	6	2,364.42	6	2,641.16	6	2,914.46
1/4	158.79	1/4	439.38	1/4	716.48	1/4	992.66	1/4	1,266.84	1/4	1,541.93	1/4	1,816.89	1/4	2,093.47	1/4	2,370.18	1/4	2,646.88	1/4	2,918.83
1/2	164.61	1/2	445.21	1/2	722.22	1/2	998.44	1/2	1,272.61	1/2	1,547.62	1/2	1,822.65	1/2	2,099.24	1/2	2,375.95	1/2	2,652.61	1/2	2,923.21
3/4	170.42	3/4	451.03	3/4	727.96	3/4	1,004.21	3/4	1,278.38	3/4	1,553.32	3/4	1,828.42	3/4	2,105.00	3/4	2,381.71	3/4	2,658.33	3/4	2,927.58
7	176.23	7	456.85	7	733.71	7	1,009.99	7	1,284.16	7	1,559.02	7	1,834.19	7	2,110.77	7	2,387.48	7	2,664.06	7	2,931.95
1/4	182.04	1/4	462.67	1/4	739.45	1/4	1,015.76	1/4	1,289.93	1/4	1,564.71	1/4	1,839.96	1/4	2,116.54	1/4	2,393.25	1/4	2,669.78	1/4	2,935.35
1/2	187.85	1/2	468.49	1/2	745.19	1/2	1,021.54	1/2	1,295.70	1/2	1,570.41	1/2	1,845.73	1/2	2,122.30	1/2	2,399.01	1/2	2,675.51	1/2	
3/4	193.67	3/4	474.31	3/4	750.93	3/4	1,027.31	3/4	1,301.47	3/4	1,576.10	3/4	1,851.49	3/4	2,128.07	3/4	2,404.78	3/4	2,681.24	3/4	
8	199.48	8	480.13	8	756.67	8	1,033.09	8	1,307.24	8	1,581.80	8	1,857.26	8	2,133.84	8	2,410.54	8	2,686.96	8	
1/4	205.29	1/4	485.91	1/4	762.41	1/4	1,038.86	1/4	1,313.02	1/4	1,587.49	1/4	1,863.03	1/4	2,139.60	1/4	2,416.31	1/4	2,692.69	1/4	
1/2	211.10	1/2	491.68	1/2	768.16	1/2	1,044.64	1/2	1,318.79	1/2	1,593.19	1/2	1,868.80	1/2	2,145.37	1/2	2,422.07	1/2	2,698.41	1/2	
3/4	216.92	3/4	497.46	3/4	773.90	3/4	1,050.41	3/4	1,324.56	3/4	1,598.88	3/4	1,874.57	3/4	2,151.14	3/4	2,427.84	3/4	2,704.14	3/4	
9	222.73	9	503.23	9	779.64	9	1,056.19	9	1,330.33	9	1,604.58	9	1,880.33	9	2,156.90	9	2,433.60	9	2,709.86	9	
1/4	228.55	1/4	509.01	1/4	785.38	1/4	1,061.96	1/4	1,336.10	1/4	1,610.27	1/4	1,886.09	1/4	2,162.67	1/4	2,439.37	1/4	2,715.59	1/4	
1/2	234.37	1/2	514.78	1/2	791.13	1/2	1,067.74	1/2	1,341.88	1/2	1,615.97	1/2	1,891.85	1/2	2,168.44	1/2	2,445.13	1/2	2,721.31	1/2	
3/4	240.20	3/4	520.56	3/4	796.87	3/4	1,073.51	3/4	1,347.65	3/4	1,621.67	3/4	1,897.61	3/4	2,174.20	3/4	2,450.90	3/4	2,727.04	3/4	
10	246.02	10	526.33	10	802.61	10	1,079.29	10	1,353.42	10	1,627.36	10	1,903.37	10	2,179.97	10	2,456.66	10	2,732.76	10	
1/4	251.91	1/4	532.11	1/4	808.36	1/4	1,085.06	1/4	1,359.19	1/4	1,633.08	1/4	1,909.13	1/4	2,185.73	1/4	2,462.43	1/4	2,738.49	1/4	
1/2	257.80	1/2	537.88	1/2	814.10	1/2	1,090.84	1/2	1,364.97	1/2	1,638.80	1/2	1,914.89	1/2	2,191.49	1/2	2,468.20	1/2	2,744.21	1/2	
3/4	263.68	3/4	543.66	3/4	819.85	3/4	1,096.62	3/4	1,370.74	3/4	1,644.51	3/4	1,920.65	3/4	2,197.25	3/4	2,473.96	3/4	2,749.94	3/4	
11	269.57	11	549.43	11	825.60	11	1,102.39	11	1,376.51	11	1,650.23	11	1,926.41	11	2,203.01	11	2,479.73	11	2,755.67	11	
1/4	275.45	1/4	555.21	1/4	831.34	1/4	1,108.17	1/4	1,382.28	1/4	1,655.95	1/4	1,932.17	1/4	2,208.77	1/4	2,485.49	1/4	2,761.39	1/4	
1/2	281.33	1/2	560.98	1/2	837.09	1/2	1,113.94	1/2	1,388.05	1/2	1,661.66	1/2	1,937.93	1/2	2,214.53	1/2	2,491.26	1/2	2,767.12	1/2	
3/4	287.20	3/4	566.76	3/4	842.83	3/4	1,119.72	3/4	1,393.83	3/4	1,667.38	3/4	1,943.69	3/4	2,220.29	3/4	2,497.02	3/4	2,772.84	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 80"

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 80"

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	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
1 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
2 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	03-1/2	- 03-1/2	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 80"
MAGNOLIA BARGE

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 3/4"

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	2,370.70	0	2,117.52	0	1,864.10	0	1,610.60	0	1,357.10	0	1,103.66	0	850.97	0	599.48	0	347.48	0	126.71
1/4		1/4	2,365.46	1/4	2,112.24	1/4	1,858.82	1/4	1,605.32	1/4	1,351.82	1/4	1,098.38	1/4	845.68	1/4	594.26	1/4	342.32	1/4	122.55
1/2	2,602.88	1/2	2,360.22	1/2	2,106.96	1/2	1,853.54	1/2	1,600.04	1/2	1,346.53	1/2	1,093.10	1/2	840.40	1/2	589.05	1/2	337.16	1/2	118.40
3/4	2,599.80	3/4	2,354.98	3/4	2,101.68	3/4	1,848.26	3/4	1,594.75	3/4	1,341.25	3/4	1,087.82	3/4	835.12	3/4	583.83	3/4	332.00	3/4	114.24
1	2,595.84	1	2,349.74	1	2,096.40	1	1,842.98	1	1,589.47	1	1,335.97	1	1,082.54	1	829.84	1	578.62	1	326.92	1	110.17
1/4	2,591.88	1/4	2,344.49	1/4	2,091.12	1/4	1,837.69	1/4	1,584.19	1/4	1,330.69	1/4	1,077.25	1/4	824.55	1/4	573.40	1/4	321.85	1/4	106.10
1/2	2,587.92	1/2	2,339.25	1/2	2,085.84	1/2	1,832.41	1/2	1,578.91	1/2	1,325.41	1/2	1,071.97	1/2	819.27	1/2	568.18	1/2	316.77	1/2	102.03
3/4	2,583.96	3/4	2,334.01	3/4	2,080.56	3/4	1,827.13	3/4	1,573.63	3/4	1,320.13	3/4	1,066.69	3/4	813.99	3/4	562.97	3/4	311.69	3/4	97.96
2	2,579.12	2	2,328.73	2	2,075.28	2	1,821.85	2	1,568.35	2	1,314.85	2	1,061.44	2	808.70	2	557.75	2	306.70	2	94.06
1/4	2,574.27	1/4	2,323.45	1/4	2,070.00	1/4	1,816.57	1/4	1,563.07	1/4	1,309.56	1/4	1,056.19	1/4	803.42	1/4	552.54	1/4	301.70	1/4	90.16
1/2	2,569.43	1/2	2,318.17	1/2	2,064.72	1/2	1,811.29	1/2	1,557.79	1/2	1,304.28	1/2	1,050.95	1/2	798.14	1/2	547.32	1/2	296.71	1/2	86.27
3/4	2,564.59	3/4	2,312.89	3/4	2,059.44	3/4	1,806.01	3/4	1,552.50	3/4	1,299.00	3/4	1,045.70	3/4	792.86	3/4	542.11	3/4	291.71	3/4	82.37
3	2,559.35	3	2,307.61	3	2,054.16	3	1,800.73	3	1,547.22	3	1,293.72	3	1,040.45	3	787.61	3	536.89	3	286.80	3	78.67
1/4	2,554.11	1/4	2,302.33	1/4	2,048.88	1/4	1,795.44	1/4	1,541.94	1/4	1,288.44	1/4	1,035.20	1/4	782.36	1/4	531.68	1/4	281.88	1/4	74.96
1/2	2,548.87	1/2	2,297.05	1/2	2,043.60	1/2	1,790.16	1/2	1,536.66	1/2	1,283.16	1/2	1,029.96	1/2	777.11	1/2	526.46	1/2	276.97	1/2	71.25
3/4	2,543.63	3/4	2,291.77	3/4	2,038.32	3/4	1,784.88	3/4	1,531.38	3/4	1,277.88	3/4	1,024.71	3/4	771.86	3/4	521.25	3/4	272.06	3/4	67.55
4	2,538.39	4	2,286.49	4	2,033.04	4	1,779.60	4	1,526.10	4	1,272.60	4	1,019.46	4	766.61	4	516.03	4	267.23	4	63.93
1/4	2,533.15	1/4	2,281.21	1/4	2,027.76	1/4	1,774.32	1/4	1,520.82	1/4	1,267.33	1/4	1,014.22	1/4	761.36	1/4	510.81	1/4	262.40	1/4	60.32
1/2	2,527.91	1/2	2,275.93	1/2	2,022.48	1/2	1,769.04	1/2	1,515.54	1/2	1,262.06	1/2	1,008.98	1/2	756.12	1/2	505.60	1/2	257.57	1/2	56.70
3/4	2,522.67	3/4	2,270.65	3/4	2,017.20	3/4	1,763.76	3/4	1,510.25	3/4	1,256.79	3/4	1,003.73	3/4	750.87	3/4	500.38	3/4	252.73	3/4	53.09
5	2,517.43	5	2,265.37	5	2,011.92	5	1,758.48	5	1,504.97	5	1,251.52	5	998.49	5	745.64	5	495.10	5	248.18	5	49.56
1/4	2,512.19	1/4	2,260.09	1/4	2,006.64	1/4	1,753.19	1/4	1,499.69	1/4	1,246.25	1/4	993.24	1/4	740.41	1/4	489.82	1/4	243.64	1/4	46.04
1/2	2,506.95	1/2	2,254.81	1/2	2,001.36	1/2	1,747.91	1/2	1,494.41	1/2	1,240.97	1/2	988.00	1/2	735.19	1/2	484.53	1/2	239.09	1/2	42.51
3/4	2,501.71	3/4	2,249.53	3/4	1,996.07	3/4	1,742.63	3/4	1,489.13	3/4	1,235.70	3/4	982.76	3/4	729.96	3/4	479.25	3/4	234.54	3/4	38.99
6	2,496.47	6	2,244.25	6	1,990.79	6	1,737.35	6	1,483.85	6	1,230.42	6	977.51	6	724.73	6	473.97	6	230.07	6	35.57
1/4	2,491.23	1/4	2,238.97	1/4	1,985.51	1/4	1,732.07	1/4	1,478.57	1/4	1,225.14	1/4	972.26	1/4	719.51	1/4	468.69	1/4	225.60	1/4	32.16
1/2	2,485.99	1/2	2,233.69	1/2	1,980.23	1/2	1,726.79	1/2	1,473.28	1/2	1,219.86	1/2	967.01	1/2	714.28	1/2	463.40	1/2	221.14	1/2	28.74
3/4	2,480.75	3/4	2,228.41	3/4	1,974.95	3/4	1,721.51	3/4	1,468.00	3/4	1,214.58	3/4	961.76	3/4	709.05	3/4	458.12	3/4	216.67	3/4	25.33
7	2,475.50	7	2,223.13	7	1,969.67	7	1,716.22	7	1,462.72	7	1,209.29	7	956.52	7	703.83	7	452.84	7	212.28	7	22.71
1/4	2,470.26	1/4	2,217.85	1/4	1,964.39	1/4	1,710.94	1/4	1,457.44	1/4	1,204.01	1/4	951.27	1/4	698.61	1/4	447.56	1/4	207.90	1/4	20.09
1/2	2,465.02	1/2	2,212.57	1/2	1,959.11	1/2	1,705.66	1/2	1,452.16	1/2	1,198.73	1/2	946.02	1/2	693.39	1/2	442.27	1/2	203.51	1/2	17.48
3/4	2,459.78	3/4	2,207.29	3/4	1,953.83	3/4	1,700.38	3/4	1,446.88	3/4	1,193.45	3/4	940.77	3/4	688.18	3/4	436.99	3/4	199.13	3/4	14.86
8	2,454.54	8	2,202.01	8	1,948.56	8	1,695.10	8	1,441.60	8	1,188.17	8	935.49	8	682.96	8	431.71	8	194.84	8	
1/4	2,449.30	1/4	2,196.73	1/4	1,943.28	1/4	1,689.82	1/4	1,436.32	1/4	1,182.89	1/4	930.21	1/4	677.74	1/4	426.43	1/4	190.54	1/4	
1/2	2,444.06	1/2	2,191.45	1/2	1,938.01	1/2	1,684.54	1/2	1,431.03	1/2	1,177.60	1/2	924.92	1/2	672.52	1/2	421.14	1/2	186.25	1/2	
3/4	2,438.82	3/4	2,186.17	3/4	1,932.73	3/4	1,679.26	3/4	1,425.75	3/4	1,172.32	3/4	919.64	3/4	667.30	3/4	415.86	3/4	181.96	3/4	
9	2,433.58	9	2,180.89	9	1,927.46	9	1,673.97	9	1,420.47	9	1,167.04	9	914.36	9	662.08	9	410.58	9	177.75	9	
1/4	2,428.34	1/4	2,175.61	1/4	1,922.18	1/4	1,668.69	1/4	1,415.19	1/4	1,161.76	1/4	909.08	1/4	656.86	1/4	405.30	1/4	173.54	1/4	
1/2	2,423.10	1/2	2,170.32	1/2	1,916.91	1/2	1,663.41	1/2	1,409.91	1/2	1,156.48	1/2	903.79	1/2	651.64	1/2	400.01	1/2	169.33	1/2	
3/4	2,417.86	3/4	2,165.04	3/4	1,911.63	3/4	1,658.13	3/4	1,404.63	3/4	1,151.20	3/4	898.51	3/4	646.42	3/4	394.73	3/4	165.12	3/4	
10	2,412.62	10	2,159.76	10	1,906.35	10	1,652.85	10	1,399.35	10	1,145.91	10	893.23	10	641.20	10	389.45	10	160.79	10	
1/4	2,407.38	1/4	2,154.48	1/4	1,901.07	1/4	1,647.57	1/4	1,394.07	1/4	1,140.63	1/4	887.95	1/4	635.99	1/4	384.17	1/4	156.46	1/4	
1/2	2,402.14	1/2	2,149.20	1/2	1,895.79	1/2	1,642.29	1/2	1,388.78	1/2	1,135.35	1/2	882.66	1/2	630.77	1/2	378.89	1/2	152.13	1/2	
3/4	2,396.90	3/4	2,143.92	3/4	1,890.51	3/4	1,637.01	3/4	1,383.50	3/4	1,130.07	3/4	877.38	3/4	625.55	3/4	373.60	3/4	147.80	3/4	
11	2,391.66	11	2,138.64	11	1,885.23	11	1,631.72	11	1,378.22	11	1,124.79	11	872.10	11	620.34	11	368.36	11	143.57	11	
1/4	2,386.42	1/4	2,133.36	1/4	1,879.95	1/4	1,626.44	1/4	1,372.94	1/4	1,119.51	1/4	866.81	1/4	615.12	1/4	363.12	1/4	139.33	1/4	
1/2	2,381.18	1/2	2,128.08	1/2	1,874.66	1/2	1,621.16	1/2	1,367.66	1/2	1,114.22	1/2	861.53	1/2	609.91	1/2	357.88	1/2	135.10	1/2	
3/4	2,375.94	3/4	2,122.80	3/4	1,869.38	3/4	1,615.88	3/4	1,362.38	3/4	1,108.94	3/4	856.25	3/4	604.69	3/4	352.64	3/4	130.86	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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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 30'-03" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 32'-03" FORWARD OF AFT BULKHEAD

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

BARGE "MM 80"
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	2,377.11	0	2,124.06	0	1,870.73	0	1,617.31	0	1,363.89	0	1,110.55	0	857.94	0	605.24	0	352.60	0	130.86
1/4		1/4	2,371.87	1/4	2,118.78	1/4	1,865.45	1/4	1,612.03	1/4	1,358.62	1/4	1,105.27	1/4	852.66	1/4	600.00	1/4	347.44	1/4	126.71
1/2		1/2	2,366.63	1/2	2,113.50	1/2	1,860.17	1/2	1,606.75	1/2	1,353.34	1/2	1,099.99	1/2	847.38	1/2	594.75	1/2	342.28	1/2	122.56
3/4	2,603.96	3/4	2,361.39	3/4	2,108.22	3/4	1,854.89	3/4	1,601.47	3/4	1,348.06	3/4	1,094.71	3/4	842.10	3/4	589.50	3/4	337.13	3/4	118.40
1	2,600.88	1	2,356.15	1	2,102.94	1	1,849.61	1	1,596.19	1	1,342.78	1	1,089.43	1	836.81	1	584.26	1	331.97	1	114.25
1/4	2,596.92	1/4	2,350.91	1/4	2,097.66	1/4	1,844.33	1/4	1,590.91	1/4	1,337.50	1/4	1,084.15	1/4	831.53	1/4	579.01	1/4	326.89	1/4	110.18
1/2	2,592.97	1/2	2,345.67	1/2	2,092.39	1/2	1,839.05	1/2	1,585.63	1/2	1,332.22	1/2	1,078.87	1/2	826.25	1/2	573.76	1/2	321.82	1/2	106.10
3/4	2,589.01	3/4	2,340.44	3/4	2,087.11	3/4	1,833.77	3/4	1,580.35	3/4	1,326.94	3/4	1,073.59	3/4	820.97	3/4	568.51	3/4	316.74	3/4	102.03
2	2,585.05	2	2,335.20	2	2,081.83	2	1,828.49	2	1,575.07	2	1,321.66	2	1,068.31	2	815.69	2	563.27	2	311.66	2	97.96
1/4	2,580.21	1/4	2,329.92	1/4	2,076.55	1/4	1,823.21	1/4	1,569.80	1/4	1,316.38	1/4	1,063.06	1/4	810.41	1/4	558.02	1/4	306.67	1/4	94.07
1/2	2,575.37	1/2	2,324.64	1/2	2,071.27	1/2	1,817.93	1/2	1,564.52	1/2	1,311.10	1/2	1,057.82	1/2	805.13	1/2	552.77	1/2	301.68	1/2	90.17
3/4	2,570.53	3/4	2,319.36	3/4	2,065.99	3/4	1,812.65	3/4	1,559.24	3/4	1,305.82	3/4	1,052.57	3/4	799.85	3/4	547.52	3/4	296.68	3/4	86.27
3	2,565.69	3	2,314.08	3	2,060.72	3	1,807.37	3	1,553.96	3	1,300.54	3	1,047.33	3	794.57	3	542.28	3	291.69	3	82.38
1/4	2,560.45	1/4	2,308.80	1/4	2,055.44	1/4	1,802.09	1/4	1,548.68	1/4	1,295.26	1/4	1,042.08	1/4	789.29	1/4	537.03	1/4	286.78	1/4	78.67
1/2	2,555.21	1/2	2,303.53	1/2	2,050.16	1/2	1,796.81	1/2	1,543.40	1/2	1,289.98	1/2	1,036.83	1/2	784.01	1/2	531.78	1/2	281.87	1/2	74.96
3/4	2,549.98	3/4	2,298.25	3/4	2,044.88	3/4	1,791.53	3/4	1,538.12	3/4	1,284.70	3/4	1,031.59	3/4	778.73	3/4	526.53	3/4	276.95	3/4	71.26
4	2,544.74	4	2,292.97	4	2,039.60	4	1,786.25	4	1,532.84	4	1,279.42	4	1,026.34	4	773.44	4	521.29	4	272.04	4	67.55
1/4	2,539.50	1/4	2,287.69	1/4	2,034.32	1/4	1,780.98	1/4	1,527.56	1/4	1,274.15	1/4	1,021.10	1/4	768.16	1/4	516.04	1/4	267.21	1/4	63.93
1/2	2,534.26	1/2	2,282.41	1/2	2,029.04	1/2	1,775.70	1/2	1,522.28	1/2	1,268.88	1/2	1,015.86	1/2	762.88	1/2	510.79	1/2	262.38	1/2	60.32
3/4	2,529.02	3/4	2,277.13	3/4	2,023.77	3/4	1,770.42	3/4	1,517.00	3/4	1,263.61	3/4	1,010.61	3/4	757.60	3/4	505.54	3/4	257.55	3/4	56.71
5	2,523.78	5	2,271.86	5	2,018.49	5	1,765.14	5	1,511.72	5	1,258.34	5	1,005.37	5	752.32	5	500.29	5	252.72	5	53.09
1/4	2,518.54	1/4	2,266.58	1/4	2,013.21	1/4	1,759.86	1/4	1,506.44	1/4	1,253.07	1/4	1,000.13	1/4	747.06	1/4	495.01	1/4	248.17	1/4	49.57
1/2	2,513.31	1/2	2,261.30	1/2	2,007.93	1/2	1,754.58	1/2	1,501.16	1/2	1,247.80	1/2	994.89	1/2	741.80	1/2	489.73	1/2	243.63	1/2	46.04
3/4	2,508.07	3/4	2,256.02	3/4	2,002.65	3/4	1,749.30	3/4	1,495.88	3/4	1,242.53	3/4	989.64	3/4	736.54	3/4	484.45	3/4	239.08	3/4	42.51
6	2,502.83	6	2,250.74	6	1,997.37	6	1,744.02	6	1,490.60	6	1,237.26	6	984.40	6	731.29	6	479.17	6	234.53	6	38.99
1/4	2,497.59	1/4	2,245.46	1/4	1,992.09	1/4	1,738.74	1/4	1,485.32	1/4	1,231.98	1/4	979.16	1/4	726.03	1/4	473.89	1/4	230.06	1/4	35.57
1/2	2,492.35	1/2	2,240.18	1/2	1,986.82	1/2	1,733.46	1/2	1,480.04	1/2	1,226.70	1/2	973.91	1/2	720.77	1/2	468.61	1/2	225.60	1/2	32.16
3/4	2,487.11	3/4	2,234.91	3/4	1,981.54	3/4	1,728.18	3/4	1,474.76	3/4	1,221.42	3/4	968.66	3/4	715.51	3/4	463.32	3/4	221.13	3/4	28.74
7	2,481.88	7	2,229.63	7	1,976.26	7	1,722.90	7	1,469.48	7	1,216.14	7	963.42	7	710.25	7	458.04	7	216.66	7	25.32
1/4	2,476.64	1/4	2,224.35	1/4	1,970.98	1/4	1,717.62	1/4	1,464.21	1/4	1,210.86	1/4	958.17	1/4	705.00	1/4	452.76	1/4	212.28	1/4	22.71
1/2	2,471.40	1/2	2,219.07	1/2	1,965.70	1/2	1,712.34	1/2	1,458.93	1/2	1,205.58	1/2	952.92	1/2	699.75	1/2	447.48	1/2	207.89	1/2	20.09
3/4	2,466.16	3/4	2,213.79	3/4	1,960.42	3/4	1,707.06	3/4	1,453.65	3/4	1,200.30	3/4	947.68	3/4	694.50	3/4	442.20	3/4	203.51	3/4	17.47
8	2,460.92	8	2,208.51	8	1,955.15	8	1,701.78	8	1,448.37	8	1,195.02	8	942.43	8	689.24	8	436.92	8	199.12	8	14.85
1/4	2,455.68	1/4	2,203.23	1/4	1,949.87	1/4	1,696.50	1/4	1,443.09	1/4	1,189.74	1/4	937.15	1/4	683.99	1/4	431.64	1/4	194.83	1/4	
1/2	2,450.44	1/2	2,197.96	1/2	1,944.60	1/2	1,691.22	1/2	1,437.81	1/2	1,184.46	1/2	931.87	1/2	678.74	1/2	426.36	1/2	190.54	1/2	
3/4	2,445.21	3/4	2,192.68	3/4	1,939.33	3/4	1,685.94	3/4	1,432.53	3/4	1,179.18	3/4	926.59	3/4	673.49	3/4	421.08	3/4	186.25	3/4	
9	2,439.97	9	2,187.40	9	1,934.05	9	1,680.66	9	1,427.25	9	1,173.90	9	921.31	9	668.24	9	415.80	9	181.96	9	
1/4	2,434.73	1/4	2,182.12	1/4	1,928.78	1/4	1,675.39	1/4	1,421.97	1/4	1,168.62	1/4	916.03	1/4	662.99	1/4	410.52	1/4	177.75	1/4	
1/2	2,429.49	1/2	2,176.84	1/2	1,923.51	1/2	1,670.11	1/2	1,416.69	1/2	1,163.34	1/2	910.75	1/2	657.74	1/2	405.24	1/2	173.54	1/2	
3/4	2,424.25	3/4	2,171.56	3/4	1,918.24	3/4	1,664.83	3/4	1,411.41	3/4	1,158.06	3/4	905.46	3/4	652.48	3/4	399.96	3/4	169.33	3/4	
10	2,419.01	10	2,166.29	10	1,912.96	10	1,659.55	10	1,406.13	10	1,152.78	10	900.18	10	647.23	10	394.68	10	165.12	10	
1/4	2,413.77	1/4	2,161.01	1/4	1,907.68	1/4	1,654.27	1/4	1,400.85	1/4	1,147.50	1/4	894.90	1/4	641.98	1/4	389.40	1/4	160.79	1/4	
1/2	2,408.54	1/2	2,155.73	1/2	1,902.40	1/2	1,648.99	1/2	1,395.57	1/2	1,142.22	1/2	889.62	1/2	636.73	1/2	384.12	1/2	156.46	1/2	
3/4	2,403.30	3/4	2,150.45	3/4	1,897.12	3/4	1,643.71	3/4	1,390.29	3/4	1,136.95	3/4	884.34	3/4	631.48	3/4	378.84	3/4	152.13	3/4	
11	2,398.06	11	2,145.17	11	1,891.84	11	1,638.43	11	1,385.01	11	1,131.67	11	879.06	11	626.23	11	373.56	11	147.80	11	
1/4	2,392.82	1/4	2,139.89	1/4	1,886.57	1/4	1,633.15	1/4	1,379.73	1/4	1,126.39	1/4	873.78	1/4	620.99	1/4	368.32	1/4	143.57	1/4	
1/2	2,387.58	1/2	2,134.61	1/2	1,881.29	1/2	1,627.87	1/2	1,374.45	1/2	1,121.11	1/2	868.50	1/2	615.74	1/2	363.08	1/2	139.33	1/2	
3/4	2,382.34	3/4	2,129.34	3/4	1,876.01	3/4	1,622.59	3/4	1,369.17	3/4	1,115.83	3/4	863.22	3/4	610.49	3/4	357.84	3/4	135.10	3/4	

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BARGE "MM 80"
MAGNOLIA BARGE

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 3/4"

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	2,655.93	0	2,379.10	0	2,102.02	0	1,824.87	0	1,547.71	0	1,270.62	0	996.62	0	730.18	0	458.71	0	186.08
1/4		1/4	2,650.19	1/4	2,373.33	1/4	2,096.25	1/4	1,819.09	1/4	1,541.94	1/4	1,264.85	1/4	990.85	1/4	724.71	1/4	452.93	1/4	180.33
1/2	2,909.91	1/2	2,644.46	1/2	2,367.55	1/2	2,090.48	1/2	1,813.32	1/2	1,536.16	1/2	1,259.07	1/2	985.07	1/2	719.23	1/2	447.16	1/2	174.58
3/4	2,906.54	3/4	2,638.73	3/4	2,361.78	3/4	2,084.70	3/4	1,807.54	3/4	1,530.39	3/4	1,253.30	3/4	979.30	3/4	713.76	3/4	441.38	3/4	168.82
1	2,902.21	1	2,632.99	1	2,356.01	1	2,078.93	1	1,801.77	1	1,524.61	1	1,247.52	1	973.52	1	708.29	1	435.61	1	163.07
1/4	2,897.88	1/4	2,627.26	1/4	2,350.23	1/4	2,073.15	1/4	1,796.00	1/4	1,518.84	1/4	1,241.75	1/4	967.75	1/4	702.81	1/4	429.83	1/4	157.31
1/2	2,893.55	1/2	2,621.53	1/2	2,344.46	1/2	2,067.38	1/2	1,790.22	1/2	1,513.07	1/2	1,235.97	1/2	961.97	1/2	697.34	1/2	424.06	1/2	151.56
3/4	2,889.22	3/4	2,615.80	3/4	2,338.69	3/4	2,061.61	3/4	1,784.45	3/4	1,507.29	3/4	1,230.20	3/4	956.19	3/4	691.87	3/4	418.28	3/4	145.80
2	2,883.93	2	2,610.02	2	2,332.91	2	2,055.83	2	1,778.67	2	1,501.52	2	1,224.56	2	950.42	2	686.40	2	412.51	2	140.15
1/4	2,878.64	1/4	2,604.25	1/4	2,327.14	1/4	2,050.06	1/4	1,772.90	1/4	1,495.74	1/4	1,218.92	1/4	944.64	1/4	680.92	1/4	406.73	1/4	134.50
1/2	2,873.34	1/2	2,598.48	1/2	2,321.37	1/2	2,044.28	1/2	1,767.13	1/2	1,489.97	1/2	1,213.27	1/2	938.87	1/2	675.45	1/2	400.96	1/2	128.85
3/4	2,868.05	3/4	2,592.70	3/4	2,315.59	3/4	2,038.51	3/4	1,761.35	3/4	1,484.20	3/4	1,207.63	3/4	933.09	3/4	669.98	3/4	395.18	3/4	123.20
3	2,862.32	3	2,586.93	3	2,309.82	3	2,032.73	3	1,755.58	3	1,478.42	3	1,201.99	3	927.59	3	664.50	3	389.41	3	117.66
1/4	2,856.59	1/4	2,581.16	1/4	2,304.05	1/4	2,026.96	1/4	1,749.80	1/4	1,472.65	1/4	1,196.34	1/4	922.08	1/4	659.03	1/4	383.63	1/4	112.13
1/2	2,850.85	1/2	2,575.38	1/2	2,298.27	1/2	2,021.19	1/2	1,744.03	1/2	1,466.87	1/2	1,190.70	1/2	916.57	1/2	653.56	1/2	377.86	1/2	106.60
3/4	2,845.12	3/4	2,569.61	3/4	2,292.50	3/4	2,015.41	3/4	1,738.26	3/4	1,461.10	3/4	1,185.06	3/4	911.07	3/4	648.09	3/4	372.08	3/4	101.06
4	2,839.39	4	2,563.84	4	2,286.73	4	2,009.64	4	1,732.48	4	1,455.33	4	1,179.42	4	905.56	4	642.61	4	366.30	4	95.54
1/4	2,833.65	1/4	2,558.06	1/4	2,280.96	1/4	2,003.86	1/4	1,726.71	1/4	1,449.57	1/4	1,173.78	1/4	900.05	1/4	637.14	1/4	360.53	1/4	90.02
1/2	2,827.92	1/2	2,552.29	1/2	2,275.18	1/2	1,998.09	1/2	1,720.93	1/2	1,443.80	1/2	1,168.14	1/2	894.55	1/2	631.66	1/2	354.75	1/2	84.49
3/4	2,822.19	3/4	2,546.52	3/4	2,269.41	3/4	1,992.32	3/4	1,715.16	3/4	1,438.04	3/4	1,162.50	3/4	889.04	3/4	626.19	3/4	348.98	3/4	78.97
5	2,816.45	5	2,540.74	5	2,263.64	5	1,986.54	5	1,709.39	5	1,432.27	5	1,156.86	5	883.56	5	620.41	5	343.42	5	73.45
1/4	2,810.72	1/4	2,534.97	1/4	2,257.86	1/4	1,980.77	1/4	1,703.61	1/4	1,426.51	1/4	1,151.23	1/4	878.07	1/4	614.64	1/4	337.86	1/4	67.94
1/2	2,804.99	1/2	2,529.20	1/2	2,252.09	1/2	1,974.99	1/2	1,697.84	1/2	1,420.74	1/2	1,145.59	1/2	872.59	1/2	608.86	1/2	332.31	1/2	62.42
3/4	2,799.25	3/4	2,523.43	3/4	2,246.32	3/4	1,969.22	3/4	1,692.06	3/4	1,414.98	3/4	1,139.95	3/4	867.10	3/4	603.09	3/4	326.75	3/4	56.91
6	2,793.52	6	2,517.65	6	2,240.54	6	1,963.45	6	1,686.29	6	1,409.20	6	1,134.30	6	861.62	6	597.31	6	321.19	6	51.43
1/4	2,787.79	1/4	2,511.88	1/4	2,234.77	1/4	1,957.67	1/4	1,680.51	1/4	1,403.43	1/4	1,128.66	1/4	856.13	1/4	591.54	1/4	315.63	1/4	45.94
1/2	2,782.06	1/2	2,506.11	1/2	2,229.00	1/2	1,951.90	1/2	1,674.74	1/2	1,397.66	1/2	1,123.02	1/2	850.65	1/2	585.76	1/2	310.08	1/2	40.46
3/4	2,776.32	3/4	2,500.33	3/4	2,223.22	3/4	1,946.12	3/4	1,668.97	3/4	1,391.88	3/4	1,117.38	3/4	845.17	3/4	579.99	3/4	304.52	3/4	34.98
7	2,770.59	7	2,494.56	7	2,217.45	7	1,940.35	7	1,663.19	7	1,386.11	7	1,111.73	7	839.69	7	574.21	7	298.96	7	30.28
1/4	2,764.86	1/4	2,488.79	1/4	2,211.68	1/4	1,934.58	1/4	1,657.42	1/4	1,380.33	1/4	1,106.09	1/4	834.21	1/4	568.44	1/4	293.40	1/4	25.57
1/2	2,759.12	1/2	2,483.01	1/2	2,205.91	1/2	1,928.80	1/2	1,651.64	1/2	1,374.56	1/2	1,100.45	1/2	828.73	1/2	562.66	1/2	287.85	1/2	20.87
3/4	2,753.39	3/4	2,477.24	3/4	2,200.13	3/4	1,923.03	3/4	1,645.87	3/4	1,368.78	3/4	1,094.81	3/4	823.26	3/4	556.89	3/4	282.29	3/4	16.17
8	2,747.66	8	2,471.47	8	2,194.36	8	1,917.25	8	1,640.10	8	1,363.01	8	1,089.03	8	817.78	8	551.11	8	276.74	8	
1/4	2,741.92	1/4	2,465.69	1/4	2,188.60	1/4	1,911.48	1/4	1,634.32	1/4	1,357.24	1/4	1,083.26	1/4	812.30	1/4	545.34	1/4	271.20	1/4	
1/2	2,736.19	1/2	2,459.92	1/2	2,182.83	1/2	1,905.70	1/2	1,628.55	1/2	1,351.46	1/2	1,077.48	1/2	806.83	1/2	539.56	1/2	265.65	1/2	
3/4	2,730.46	3/4	2,454.15	3/4	2,177.06	3/4	1,899.93	3/4	1,622.77	3/4	1,345.69	3/4	1,071.70	3/4	801.35	3/4	533.79	3/4	260.10	3/4	
9	2,724.72	9	2,448.38	9	2,171.29	9	1,894.16	9	1,617.00	9	1,339.91	9	1,065.93	9	795.87	9	528.01	9	254.55	9	
1/4	2,718.99	1/4	2,442.60	1/4	2,165.53	1/4	1,888.38	1/4	1,611.23	1/4	1,334.14	1/4	1,060.15	1/4	790.40	1/4	522.24	1/4	249.01	1/4	
1/2	2,713.26	1/2	2,436.83	1/2	2,159.76	1/2	1,882.61	1/2	1,605.45	1/2	1,328.36	1/2	1,054.38	1/2	784.92	1/2	516.46	1/2	243.46	1/2	
3/4	2,707.52	3/4	2,431.06	3/4	2,153.99	3/4	1,876.83	3/4	1,599.68	3/4	1,322.59	3/4	1,048.60	3/4	779.44	3/4	510.68	3/4	237.91	3/4	
10	2,701.79	10	2,425.28	10	2,148.22	10	1,871.06	10	1,593.90	10	1,316.81	10	1,042.83	10	773.97	10	504.91	10	232.15	10	
1/4	2,696.06	1/4	2,419.51	1/4	2,142.44	1/4	1,865.29	1/4	1,588.13	1/4	1,311.04	1/4	1,037.05	1/4	768.49	1/4	499.13	1/4	226.38	1/4	
1/2	2,690.33	1/2	2,413.74	1/2	2,136.67	1/2	1,859.51	1/2	1,582.35	1/2	1,305.27	1/2	1,031.28	1/2	763.02	1/2	493.36	1/2	220.62	1/2	
3/4	2,684.59	3/4	2,407.96	3/4	2,130.89	3/4	1,853.74	3/4	1,576.58	3/4	1,299.49	3/4	1,025.50	3/4	757.54	3/4	487.58	3/4	214.86	3/4	
11	2,678.86	11	2,402.19	11	2,125.12	11	1,847.96	11	1,570.81	11	1,293.72	11	1,019.72	11	752.07	11	481.81	11	209.10	11	
1/4	2,673.13	1/4	2,396.42	1/4	2,119.35	1/4	1,842.19	1/4	1,565.03	1/4	1,287.94	1/4	1,013.95	1/4	746.60	1/4	476.03	1/4	203.35	1/4	
1/2	2,667.39	1/2	2,390.64	1/2	2,113.57	1/2	1,836.42	1/2	1,559.26	1/2	1,282.17	1/2	1,008.17	1/2	741.12	1/2	470.26	1/2	197.59	1/2	
3/4	2,661.66	3/4	2,384.87	3/4	2,107.80	3/4	1,830.64	3/4	1,553.48	3/4	1,276.39	3/4	1,002.40	3/4	735.65	3/4	464.48	3/4	191.84	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 80"
MAGNOLIA BARGE

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 3/4"

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	2,671.00	0	2,394.17	0	2,117.10	0	1,839.94	0	1,562.78	0	1,285.69	0	1,011.70	0	735.29	0	458.71	0	186.09
1/4		1/4	2,665.27	1/4	2,388.40	1/4	2,111.32	1/4	1,834.17	1/4	1,557.01	1/4	1,279.92	1/4	1,005.92	1/4	729.55	1/4	452.94	1/4	180.33
1/2	2,924.99	1/2	2,659.53	1/2	2,382.63	1/2	2,105.55	1/2	1,828.39	1/2	1,551.24	1/2	1,274.14	1/2	1,000.14	1/2	723.81	1/2	447.16	1/2	174.58
3/4	2,921.62	3/4	2,653.80	3/4	2,376.85	3/4	2,099.77	3/4	1,822.62	3/4	1,545.46	3/4	1,268.37	3/4	994.37	3/4	718.07	3/4	441.38	3/4	168.82
1	2,917.29	1	2,648.07	1	2,371.08	1	2,094.00	1	1,816.84	1	1,539.69	1	1,262.60	1	988.59	1	712.33	1	435.61	1	163.07
1/4	2,912.96	1/4	2,642.33	1/4	2,365.31	1/4	2,088.23	1/4	1,811.07	1/4	1,533.91	1/4	1,256.82	1/4	982.82	1/4	706.58	1/4	429.83	1/4	157.31
1/2	2,908.63	1/2	2,636.60	1/2	2,359.53	1/2	2,082.45	1/2	1,805.30	1/2	1,528.14	1/2	1,251.05	1/2	977.04	1/2	700.84	1/2	424.06	1/2	151.56
3/4	2,904.30	3/4	2,630.87	3/4	2,353.76	3/4	2,076.68	3/4	1,799.52	3/4	1,522.36	3/4	1,245.27	3/4	971.27	3/4	695.10	3/4	418.28	3/4	145.81
2	2,899.01	2	2,625.10	2	2,347.99	2	2,070.90	2	1,793.75	2	1,516.59	2	1,239.63	2	965.49	2	689.36	2	412.51	2	140.15
1/4	2,893.72	1/4	2,619.32	1/4	2,342.21	1/4	2,065.13	1/4	1,787.97	1/4	1,510.82	1/4	1,233.99	1/4	959.72	1/4	683.62	1/4	406.73	1/4	134.50
1/2	2,888.42	1/2	2,613.55	1/2	2,336.44	1/2	2,059.36	1/2	1,782.20	1/2	1,505.04	1/2	1,228.35	1/2	953.94	1/2	677.87	1/2	400.96	1/2	128.85
3/4	2,883.13	3/4	2,607.78	3/4	2,330.67	3/4	2,053.58	3/4	1,776.43	3/4	1,499.27	3/4	1,222.70	3/4	948.16	3/4	672.13	3/4	395.18	3/4	123.20
3	2,877.40	3	2,602.00	3	2,324.89	3	2,047.81	3	1,770.65	3	1,493.49	3	1,217.06	3	942.39	3	666.39	3	389.41	3	117.66
1/4	2,871.66	1/4	2,596.23	1/4	2,319.12	1/4	2,042.03	1/4	1,764.88	1/4	1,487.72	1/4	1,211.42	1/4	936.61	1/4	660.65	1/4	383.63	1/4	112.13
1/2	2,865.93	1/2	2,590.46	1/2	2,313.35	1/2	2,036.26	1/2	1,759.10	1/2	1,481.95	1/2	1,205.78	1/2	930.84	1/2	654.91	1/2	377.86	1/2	106.60
3/4	2,860.20	3/4	2,584.68	3/4	2,307.58	3/4	2,030.49	3/4	1,753.33	3/4	1,476.17	3/4	1,200.13	3/4	925.06	3/4	649.16	3/4	372.08	3/4	101.06
4	2,854.46	4	2,578.91	4	2,301.80	4	2,024.71	4	1,747.55	4	1,470.41	4	1,194.49	4	919.29	4	643.42	4	366.31	4	95.54
1/4	2,848.73	1/4	2,573.14	1/4	2,296.03	1/4	2,018.94	1/4	1,741.78	1/4	1,464.64	1/4	1,188.85	1/4	913.51	1/4	637.68	1/4	360.53	1/4	90.02
1/2	2,843.00	1/2	2,567.36	1/2	2,290.26	1/2	2,013.16	1/2	1,736.01	1/2	1,458.88	1/2	1,183.22	1/2	907.74	1/2	631.93	1/2	354.76	1/2	84.49
3/4	2,837.26	3/4	2,561.59	3/4	2,284.48	3/4	2,007.39	3/4	1,730.23	3/4	1,453.11	3/4	1,177.58	3/4	901.96	3/4	626.19	3/4	348.98	3/4	78.97
5	2,831.53	5	2,555.82	5	2,278.71	5	2,001.61	5	1,724.46	5	1,447.35	5	1,171.94	5	896.21	5	620.42	5	343.42	5	73.46
1/4	2,825.80	1/4	2,550.05	1/4	2,272.94	1/4	1,995.84	1/4	1,718.68	1/4	1,441.58	1/4	1,166.30	1/4	890.45	1/4	614.64	1/4	337.87	1/4	67.94
1/2	2,820.06	1/2	2,544.27	1/2	2,267.16	1/2	1,990.07	1/2	1,712.91	1/2	1,435.82	1/2	1,160.66	1/2	884.70	1/2	608.87	1/2	332.31	1/2	62.42
3/4	2,814.33	3/4	2,538.50	3/4	2,261.39	3/4	1,984.29	3/4	1,707.14	3/4	1,430.05	3/4	1,155.02	3/4	878.95	3/4	603.09	3/4	326.75	3/4	56.91
6	2,808.60	6	2,532.73	6	2,255.62	6	1,978.52	6	1,701.36	6	1,424.28	6	1,149.38	6	873.19	6	597.32	6	321.19	6	51.43
1/4	2,802.86	1/4	2,526.95	1/4	2,249.84	1/4	1,972.74	1/4	1,695.59	1/4	1,418.50	1/4	1,143.73	1/4	867.44	1/4	591.54	1/4	315.64	1/4	45.94
1/2	2,797.13	1/2	2,521.18	1/2	2,244.07	1/2	1,966.97	1/2	1,689.81	1/2	1,412.73	1/2	1,138.09	1/2	861.69	1/2	585.76	1/2	310.08	1/2	40.46
3/4	2,791.40	3/4	2,515.41	3/4	2,238.30	3/4	1,961.20	3/4	1,684.04	3/4	1,406.95	3/4	1,132.45	3/4	855.93	3/4	579.99	3/4	304.52	3/4	34.98
7	2,785.67	7	2,509.63	7	2,232.52	7	1,955.42	7	1,678.27	7	1,401.18	7	1,126.81	7	850.19	7	574.21	7	298.96	7	30.27
1/4	2,779.93	1/4	2,503.86	1/4	2,226.75	1/4	1,949.65	1/4	1,672.49	1/4	1,395.41	1/4	1,121.16	1/4	844.44	1/4	568.44	1/4	293.41	1/4	25.57
1/2	2,774.20	1/2	2,498.09	1/2	2,220.98	1/2	1,943.87	1/2	1,666.72	1/2	1,389.63	1/2	1,115.52	1/2	838.69	1/2	562.66	1/2	287.85	1/2	20.87
3/4	2,768.47	3/4	2,492.31	3/4	2,215.21	3/4	1,938.10	3/4	1,660.94	3/4	1,383.86	3/4	1,109.88	3/4	832.95	3/4	556.89	3/4	282.29	3/4	16.17
8	2,762.73	8	2,486.54	8	2,209.44	8	1,932.33	8	1,655.17	8	1,378.08	8	1,104.10	8	827.20	8	551.11	8	276.74	8	
1/4	2,757.00	1/4	2,480.77	1/4	2,203.67	1/4	1,926.55	1/4	1,649.39	1/4	1,372.31	1/4	1,098.33	1/4	821.46	1/4	545.34	1/4	271.20	1/4	
1/2	2,751.27	1/2	2,474.99	1/2	2,197.90	1/2	1,920.78	1/2	1,643.62	1/2	1,366.53	1/2	1,092.55	1/2	815.71	1/2	539.56	1/2	265.65	1/2	
3/4	2,745.53	3/4	2,469.22	3/4	2,192.14	3/4	1,915.00	3/4	1,637.85	3/4	1,360.76	3/4	1,086.78	3/4	809.96	3/4	533.79	3/4	260.10	3/4	
9	2,739.80	9	2,463.45	9	2,186.37	9	1,909.23	9	1,632.07	9	1,354.99	9	1,081.00	9	804.22	9	528.01	9	254.56	9	
1/4	2,734.07	1/4	2,457.68	1/4	2,180.60	1/4	1,903.46	1/4	1,626.30	1/4	1,349.21	1/4	1,075.23	1/4	798.47	1/4	522.24	1/4	249.01	1/4	
1/2	2,728.33	1/2	2,451.90	1/2	2,174.83	1/2	1,897.68	1/2	1,620.52	1/2	1,343.44	1/2	1,069.45	1/2	792.73	1/2	516.46	1/2	243.46	1/2	
3/4	2,722.60	3/4	2,446.13	3/4	2,169.06	3/4	1,891.91	3/4	1,614.75	3/4	1,337.66	3/4	1,063.67	3/4	786.98	3/4	510.69	3/4	237.92	3/4	
10	2,716.87	10	2,440.36	10	2,163.29	10	1,886.13	10	1,608.98	10	1,331.89	10	1,057.90	10	781.24	10	504.91	10	232.15	10	
1/4	2,711.13	1/4	2,434.58	1/4	2,157.52	1/4	1,880.36	1/4	1,603.20	1/4	1,326.11	1/4	1,052.12	1/4	775.49	1/4	499.14	1/4	226.39	1/4	
1/2	2,705.40	1/2	2,428.81	1/2	2,151.74	1/2	1,874.58	1/2	1,597.43	1/2	1,320.34	1/2	1,046.35	1/2	769.75	1/2	493.36	1/2	220.62	1/2	
3/4	2,699.67	3/4	2,423.04	3/4	2,145.97	3/4	1,868.81	3/4	1,591.65	3/4	1,314.56	3/4	1,040.57	3/4	764.00	3/4	487.59	3/4	214.86	3/4	
11	2,693.93	11	2,417.26	11	2,140.19	11	1,863.04	11	1,585.88	11	1,308.79	11	1,034.80	11	758.26	11	481.81	11	209.10	11	
1/4	2,688.20	1/4	2,411.49	1/4	2,134.42	1/4	1,857.26	1/4	1,580.11	1/4	1,303.02	1/4	1,029.02	1/4	752.52	1/4	476.04	1/4	203.35	1/4	
1/2	2,682.47	1/2	2,405.72	1/2	2,128.65	1/2	1,851.49	1/2	1,574.33	1/2	1,297.24	1/2	1,023.25	1/2	746.78	1/2	470.26	1/2	197.59	1/2	
3/4	2,676.73	3/4	2,399.94	3/4	2,122.87	3/4	1,845.71	3/4	1,568.56	3/4	1,291.47	3/4	1,017.47	3/4	741.04	3/4	464.49	3/4	191.84	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

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

BARGE "MM 80"
MAGNOLIA BARGE

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 1/2"

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	2,613.31	0	2,340.27	0	2,067.02	0	1,793.69	0	1,520.36	0	1,247.09	0	976.92	0	714.61	0	446.67	0	177.84
1/4	2,869.42	1/4	2,607.66	1/4	2,334.58	1/4	2,061.32	1/4	1,787.99	1/4	1,514.66	1/4	1,241.40	1/4	971.23	1/4	709.22	1/4	440.97	1/4	172.17
1/2	2,866.10	1/2	2,602.00	1/2	2,328.88	1/2	2,055.63	1/2	1,782.30	1/2	1,508.97	1/2	1,235.70	1/2	965.53	1/2	703.83	1/2	435.28	1/2	166.49
3/4	2,861.83	3/4	2,596.35	3/4	2,323.19	3/4	2,049.94	3/4	1,776.60	3/4	1,503.27	3/4	1,230.01	3/4	959.83	3/4	698.43	3/4	429.58	3/4	160.82
1	2,857.56	1	2,590.70	1	2,317.50	1	2,044.24	1	1,770.91	1	1,497.58	1	1,224.31	1	954.14	1	693.04	1	423.89	1	155.14
1/4	2,853.29	1/4	2,585.04	1/4	2,311.80	1/4	2,038.55	1/4	1,765.22	1/4	1,491.88	1/4	1,218.62	1/4	948.44	1/4	687.65	1/4	418.19	1/4	149.47
1/2	2,849.02	1/2	2,579.39	1/2	2,306.11	1/2	2,032.85	1/2	1,759.52	1/2	1,486.19	1/2	1,212.93	1/2	942.75	1/2	682.26	1/2	412.49	1/2	143.79
3/4	2,843.80	3/4	2,573.70	3/4	2,300.41	3/4	2,027.16	3/4	1,753.83	3/4	1,480.50	3/4	1,207.36	3/4	937.05	3/4	676.86	3/4	406.80	3/4	138.22
2	2,838.58	2	2,568.00	2	2,294.72	2	2,021.46	2	1,748.13	2	1,474.80	2	1,201.80	2	931.36	2	671.47	2	401.10	2	132.65
1/4	2,833.36	1/4	2,562.31	1/4	2,289.03	1/4	2,015.77	1/4	1,742.44	1/4	1,469.11	1/4	1,196.24	1/4	925.66	1/4	666.08	1/4	395.41	1/4	127.07
1/2	2,828.14	1/2	2,556.62	1/2	2,283.33	1/2	2,010.07	1/2	1,736.74	1/2	1,463.41	1/2	1,190.67	1/2	919.96	1/2	660.68	1/2	389.71	1/2	121.50
3/4	2,822.48	3/4	2,550.92	3/4	2,277.64	3/4	2,004.38	3/4	1,731.05	3/4	1,457.72	3/4	1,185.11	3/4	914.54	3/4	655.29	3/4	384.02	3/4	116.04
3	2,816.83	3	2,545.23	3	2,271.95	3	1,998.69	3	1,725.35	3	1,452.02	3	1,179.55	3	909.11	3	649.90	3	378.32	3	110.59
1/4	2,811.18	1/4	2,539.54	1/4	2,266.25	1/4	1,992.99	1/4	1,719.66	1/4	1,446.33	1/4	1,173.98	1/4	903.68	1/4	644.50	1/4	372.63	1/4	105.13
1/2	2,805.52	1/2	2,533.84	1/2	2,260.56	1/2	1,987.30	1/2	1,713.97	1/2	1,440.63	1/2	1,168.42	1/2	898.26	1/2	639.11	1/2	366.93	1/2	99.67
3/4	2,799.87	3/4	2,528.15	3/4	2,254.87	3/4	1,981.60	3/4	1,708.27	3/4	1,434.95	3/4	1,162.86	3/4	892.83	3/4	633.72	3/4	361.24	3/4	94.22
4	2,794.22	4	2,522.46	4	2,249.17	4	1,975.91	4	1,702.58	4	1,429.26	4	1,157.30	4	887.40	4	628.32	4	355.54	4	88.78
1/4	2,788.56	1/4	2,516.76	1/4	2,243.48	1/4	1,970.21	1/4	1,696.88	1/4	1,423.58	1/4	1,151.74	1/4	881.98	1/4	622.92	1/4	349.84	1/4	83.33
1/2	2,782.91	1/2	2,511.07	1/2	2,237.79	1/2	1,964.52	1/2	1,691.19	1/2	1,417.89	1/2	1,146.19	1/2	876.55	1/2	617.53	1/2	344.15	1/2	77.89
3/4	2,777.26	3/4	2,505.38	3/4	2,232.09	3/4	1,958.83	3/4	1,685.49	3/4	1,412.21	3/4	1,140.63	3/4	871.15	3/4	611.83	3/4	338.67	3/4	72.45
5	2,771.60	5	2,499.68	5	2,226.40	5	1,953.13	5	1,679.80	5	1,406.52	5	1,135.07	5	865.74	5	606.14	5	333.19	5	67.01
1/4	2,765.95	1/4	2,493.99	1/4	2,220.71	1/4	1,947.44	1/4	1,674.11	1/4	1,400.84	1/4	1,129.51	1/4	860.34	1/4	600.44	1/4	327.71	1/4	61.57
1/2	2,760.30	1/2	2,488.30	1/2	2,215.01	1/2	1,941.74	1/2	1,668.41	1/2	1,395.15	1/2	1,123.95	1/2	854.93	1/2	594.75	1/2	322.23	1/2	56.13
3/4	2,754.64	3/4	2,482.60	3/4	2,209.32	3/4	1,936.05	3/4	1,662.72	3/4	1,389.46	3/4	1,118.39	3/4	849.53	3/4	589.05	3/4	316.75	3/4	50.73
6	2,748.99	6	2,476.91	6	2,203.63	6	1,930.35	6	1,657.02	6	1,383.76	6	1,112.82	6	844.12	6	583.36	6	311.27	6	45.32
1/4	2,743.34	1/4	2,471.22	1/4	2,197.93	1/4	1,924.66	1/4	1,651.33	1/4	1,378.07	1/4	1,107.26	1/4	838.72	1/4	577.66	1/4	305.79	1/4	39.91
1/2	2,737.68	1/2	2,465.52	1/2	2,192.24	1/2	1,918.96	1/2	1,645.63	1/2	1,372.37	1/2	1,101.70	1/2	833.32	1/2	571.97	1/2	300.31	1/2	34.50
3/4	2,732.03	3/4	2,459.83	3/4	2,186.55	3/4	1,913.27	3/4	1,639.94	3/4	1,366.68	3/4	1,096.13	3/4	827.92	3/4	566.27	3/4	294.83	3/4	29.87
7	2,726.38	7	2,454.14	7	2,180.85	7	1,907.58	7	1,634.24	7	1,360.98	7	1,090.57	7	822.52	7	560.57	7	289.35	7	25.23
1/4	2,720.72	1/4	2,448.44	1/4	2,175.16	1/4	1,901.88	1/4	1,628.55	1/4	1,355.29	1/4	1,085.01	1/4	817.12	1/4	554.88	1/4	283.87	1/4	20.60
1/2	2,715.07	1/2	2,442.75	1/2	2,169.47	1/2	1,896.19	1/2	1,622.86	1/2	1,349.60	1/2	1,079.44	1/2	811.73	1/2	549.18	1/2	278.39	1/2	15.96
3/4	2,709.42	3/4	2,437.06	3/4	2,163.78	3/4	1,890.49	3/4	1,617.16	3/4	1,343.90	3/4	1,073.75	3/4	806.33	3/4	543.49	3/4	272.92	3/4	
8	2,703.76	8	2,431.36	8	2,158.09	8	1,884.80	8	1,611.47	8	1,338.21	8	1,068.05	8	800.93	8	537.79	8	267.45	8	
1/4	2,698.11	1/4	2,425.67	1/4	2,152.40	1/4	1,879.10	1/4	1,605.77	1/4	1,332.51	1/4	1,062.36	1/4	795.54	1/4	532.10	1/4	261.98	1/4	
1/2	2,692.46	1/2	2,419.98	1/2	2,146.72	1/2	1,873.41	1/2	1,600.08	1/2	1,326.82	1/2	1,056.66	1/2	790.14	1/2	526.40	1/2	256.51	1/2	
3/4	2,686.80	3/4	2,414.28	3/4	2,141.03	3/4	1,867.71	3/4	1,594.38	3/4	1,321.12	3/4	1,050.96	3/4	784.74	3/4	520.71	3/4	251.04	3/4	
9	2,681.15	9	2,408.59	9	2,135.34	9	1,862.02	9	1,588.69	9	1,315.43	9	1,045.27	9	779.35	9	515.01	9	245.57	9	
1/4	2,675.50	1/4	2,402.90	1/4	2,129.65	1/4	1,856.33	1/4	1,582.99	1/4	1,309.73	1/4	1,039.57	1/4	773.95	1/4	509.32	1/4	240.10	1/4	
1/2	2,669.84	1/2	2,397.20	1/2	2,123.96	1/2	1,850.63	1/2	1,577.30	1/2	1,304.04	1/2	1,033.88	1/2	768.55	1/2	503.62	1/2	234.63	1/2	
3/4	2,664.19	3/4	2,391.51	3/4	2,118.27	3/4	1,844.94	3/4	1,571.61	3/4	1,298.34	3/4	1,028.18	3/4	763.16	3/4	497.93	3/4	228.94	3/4	
10	2,658.54	10	2,385.82	10	2,112.57	10	1,839.24	10	1,565.91	10	1,292.65	10	1,022.49	10	757.76	10	492.23	10	223.26	10	
1/4	2,652.88	1/4	2,380.12	1/4	2,106.88	1/4	1,833.55	1/4	1,560.22	1/4	1,286.95	1/4	1,016.79	1/4	752.37	1/4	486.53	1/4	217.57	1/4	
1/2	2,647.23	1/2	2,374.43	1/2	2,101.19	1/2	1,827.85	1/2	1,554.52	1/2	1,281.26	1/2	1,011.10	1/2	746.97	1/2	480.84	1/2	211.89	1/2	
3/4	2,641.58	3/4	2,368.74	3/4	2,095.49	3/4	1,822.16	3/4	1,548.83	3/4	1,275.57	3/4	1,005.40	3/4	741.58	3/4	475.14	3/4	206.21	3/4	
11	2,635.92	11	2,363.04	11	2,089.80	11	1,816.47	11	1,543.13	11	1,269.87	11	999.70	11	736.19	11	469.45	11	200.54	11	
1/4	2,630.27	1/4	2,357.35	1/4	2,084.10	1/4	1,810.77	1/4	1,537.44	1/4	1,264.18	1/4	994.01	1/4	730.79	1/4	463.75	1/4	194.86	1/4	
1/2	2,624.62	1/2	2,351.66	1/2	2,078.41	1/2	1,805.08	1/2	1,531.75	1/2	1,258.48	1/2	988.31	1/2	725.40	1/2	458.06	1/2	189.19	1/2	
3/4	2,618.96	3/4	2,345.96	3/4	2,072.71	3/4	1,799.38	3/4	1,526.05	3/4	1,252.79	3/4	982.62	3/4	720.01	3/4	452.36	3/4	183.51	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "MM 80"
MAGNOLIA BARGE

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 3/4"

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	2,633.20	0	2,360.29	0	2,087.13	0	1,813.88	0	1,540.64	0	1,267.46	0	997.38	0	724.89	0	452.22	0	183.46
1/4		1/4	2,627.55	1/4	2,354.59	1/4	2,081.43	1/4	1,808.19	1/4	1,534.94	1/4	1,261.77	1/4	991.68	1/4	719.23	1/4	446.52	1/4	177.78
1/2	2,883.58	1/2	2,621.90	1/2	2,348.90	1/2	2,075.74	1/2	1,802.50	1/2	1,529.25	1/2	1,256.07	1/2	985.99	1/2	713.57	1/2	440.83	1/2	172.11
3/4	2,880.26	3/4	2,616.25	3/4	2,343.21	3/4	2,070.05	3/4	1,796.80	3/4	1,523.56	3/4	1,250.38	3/4	980.29	3/4	707.91	3/4	435.14	3/4	166.44
1	2,875.99	1	2,610.60	1	2,337.52	1	2,064.36	1	1,791.11	1	1,517.87	1	1,244.69	1	974.60	1	702.25	1	429.44	1	160.76
1/4	2,871.72	1/4	2,604.94	1/4	2,331.83	1/4	2,058.66	1/4	1,785.42	1/4	1,512.17	1/4	1,239.00	1/4	968.91	1/4	696.59	1/4	423.75	1/4	155.09
1/2	2,867.45	1/2	2,599.29	1/2	2,326.14	1/2	2,052.97	1/2	1,779.73	1/2	1,506.48	1/2	1,233.30	1/2	963.21	1/2	690.93	1/2	418.06	1/2	149.42
3/4	2,863.18	3/4	2,593.64	3/4	2,320.44	3/4	2,047.28	3/4	1,774.03	3/4	1,500.79	3/4	1,227.61	3/4	957.52	3/4	685.27	3/4	412.36	3/4	143.75
2	2,857.96	2	2,587.95	2	2,314.75	2	2,041.59	2	1,768.34	2	1,495.10	2	1,222.05	2	951.82	2	679.61	2	406.67	2	138.18
1/4	2,852.74	1/4	2,582.26	1/4	2,309.06	1/4	2,035.89	1/4	1,762.65	1/4	1,489.40	1/4	1,216.49	1/4	946.13	1/4	673.95	1/4	400.98	1/4	132.60
1/2	2,847.53	1/2	2,576.57	1/2	2,303.37	1/2	2,030.20	1/2	1,756.95	1/2	1,483.71	1/2	1,210.93	1/2	940.44	1/2	668.29	1/2	395.28	1/2	127.03
3/4	2,842.31	3/4	2,570.87	3/4	2,297.68	3/4	2,024.51	3/4	1,751.26	3/4	1,478.02	3/4	1,205.37	3/4	934.74	3/4	662.62	3/4	389.59	3/4	121.46
3	2,836.66	3	2,565.18	3	2,291.99	3	2,018.81	3	1,745.57	3	1,472.32	3	1,199.80	3	929.05	3	656.96	3	383.89	3	116.01
1/4	2,831.00	1/4	2,559.49	1/4	2,286.29	1/4	2,013.12	1/4	1,739.88	1/4	1,466.63	1/4	1,194.24	1/4	923.35	1/4	651.30	1/4	378.20	1/4	110.55
1/2	2,825.35	1/2	2,553.80	1/2	2,280.60	1/2	2,007.43	1/2	1,734.18	1/2	1,460.94	1/2	1,188.68	1/2	917.66	1/2	645.64	1/2	372.51	1/2	105.09
3/4	2,819.70	3/4	2,548.11	3/4	2,274.91	3/4	2,001.74	3/4	1,728.49	3/4	1,455.25	3/4	1,183.12	3/4	911.97	3/4	639.98	3/4	366.81	3/4	99.64
4	2,814.05	4	2,542.42	4	2,269.22	4	1,996.04	4	1,722.80	4	1,449.56	4	1,177.56	4	906.27	4	634.32	4	361.12	4	94.19
1/4	2,808.40	1/4	2,536.72	1/4	2,263.53	1/4	1,990.35	1/4	1,717.11	1/4	1,443.88	1/4	1,172.01	1/4	900.58	1/4	628.66	1/4	355.43	1/4	88.75
1/2	2,802.75	1/2	2,531.03	1/2	2,257.84	1/2	1,984.66	1/2	1,711.41	1/2	1,438.20	1/2	1,166.45	1/2	894.89	1/2	623.00	1/2	349.73	1/2	83.31
3/4	2,797.09	3/4	2,525.34	3/4	2,252.14	3/4	1,978.97	3/4	1,705.72	3/4	1,432.51	3/4	1,160.89	3/4	889.19	3/4	617.33	3/4	344.04	3/4	77.86
5	2,791.44	5	2,519.65	5	2,246.45	5	1,973.27	5	1,700.03	5	1,426.83	5	1,155.33	5	883.52	5	611.64	5	338.56	5	72.42
1/4	2,785.79	1/4	2,513.96	1/4	2,240.76	1/4	1,967.58	1/4	1,694.34	1/4	1,421.15	1/4	1,149.78	1/4	877.85	1/4	605.95	1/4	333.08	1/4	66.99
1/2	2,780.14	1/2	2,508.27	1/2	2,235.07	1/2	1,961.89	1/2	1,688.64	1/2	1,415.46	1/2	1,144.22	1/2	872.18	1/2	600.25	1/2	327.60	1/2	61.55
3/4	2,774.49	3/4	2,502.58	3/4	2,229.38	3/4	1,956.20	3/4	1,682.95	3/4	1,409.78	3/4	1,138.66	3/4	866.50	3/4	594.56	3/4	322.13	3/4	56.12
6	2,768.84	6	2,496.88	6	2,223.69	6	1,950.50	6	1,677.26	6	1,404.09	6	1,133.10	6	860.83	6	588.86	6	316.65	6	50.71
1/4	2,763.19	1/4	2,491.19	1/4	2,218.00	1/4	1,944.81	1/4	1,671.57	1/4	1,398.39	1/4	1,127.54	1/4	855.16	1/4	583.17	1/4	311.17	1/4	45.30
1/2	2,757.53	1/2	2,485.50	1/2	2,212.30	1/2	1,939.12	1/2	1,665.87	1/2	1,392.70	1/2	1,121.98	1/2	849.49	1/2	577.48	1/2	305.69	1/2	39.90
3/4	2,751.88	3/4	2,479.81	3/4	2,206.61	3/4	1,933.43	3/4	1,660.18	3/4	1,387.01	3/4	1,116.42	3/4	843.81	3/4	571.78	3/4	300.21	3/4	34.49
7	2,746.23	7	2,474.12	7	2,200.92	7	1,927.73	7	1,654.49	7	1,381.32	7	1,110.86	7	838.15	7	566.09	7	294.73	7	29.86
1/4	2,740.58	1/4	2,468.43	1/4	2,195.23	1/4	1,922.04	1/4	1,648.80	1/4	1,375.62	1/4	1,105.29	1/4	832.49	1/4	560.40	1/4	289.25	1/4	25.22
1/2	2,734.93	1/2	2,462.73	1/2	2,189.54	1/2	1,916.35	1/2	1,643.10	1/2	1,369.93	1/2	1,099.73	1/2	826.82	1/2	554.70	1/2	283.77	1/2	20.59
3/4	2,729.28	3/4	2,457.04	3/4	2,183.85	3/4	1,910.66	3/4	1,637.41	3/4	1,364.24	3/4	1,094.17	3/4	821.16	3/4	549.01	3/4	278.30	3/4	15.96
8	2,723.63	8	2,451.35	8	2,178.16	8	1,904.96	8	1,631.72	8	1,358.54	8	1,088.48	8	815.49	8	543.32	8	272.83	8	
1/4	2,717.97	1/4	2,445.66	1/4	2,172.47	1/4	1,899.27	1/4	1,626.03	1/4	1,352.85	1/4	1,082.78	1/4	809.83	1/4	537.62	1/4	267.36	1/4	
1/2	2,712.32	1/2	2,439.97	1/2	2,166.79	1/2	1,893.58	1/2	1,620.33	1/2	1,347.16	1/2	1,077.09	1/2	804.16	1/2	531.93	1/2	261.89	1/2	
3/4	2,706.67	3/4	2,434.28	3/4	2,161.10	3/4	1,887.88	3/4	1,614.64	3/4	1,341.47	3/4	1,071.40	3/4	798.50	3/4	526.23	3/4	256.42	3/4	
9	2,701.02	9	2,428.58	9	2,155.42	9	1,882.19	9	1,608.95	9	1,335.77	9	1,065.70	9	792.84	9	520.54	9	250.96	9	
1/4	2,695.37	1/4	2,422.89	1/4	2,149.73	1/4	1,876.50	1/4	1,603.25	1/4	1,330.08	1/4	1,060.01	1/4	787.17	1/4	514.85	1/4	245.49	1/4	
1/2	2,689.72	1/2	2,417.20	1/2	2,144.04	1/2	1,870.81	1/2	1,597.56	1/2	1,324.39	1/2	1,054.31	1/2	781.51	1/2	509.15	1/2	240.02	1/2	
3/4	2,684.06	3/4	2,411.51	3/4	2,138.36	3/4	1,865.11	3/4	1,591.87	3/4	1,318.70	3/4	1,048.62	3/4	775.84	3/4	503.46	3/4	234.55	3/4	
10	2,678.41	10	2,405.82	10	2,132.67	10	1,859.42	10	1,586.18	10	1,313.00	10	1,042.93	10	770.18	10	497.77	10	228.87	10	
1/4	2,672.76	1/4	2,400.13	1/4	2,126.97	1/4	1,853.73	1/4	1,580.48	1/4	1,307.31	1/4	1,037.23	1/4	764.52	1/4	492.07	1/4	223.19	1/4	
1/2	2,667.11	1/2	2,394.43	1/2	2,121.28	1/2	1,848.04	1/2	1,574.79	1/2	1,301.62	1/2	1,031.54	1/2	758.85	1/2	486.38	1/2	217.50	1/2	
3/4	2,661.46	3/4	2,388.74	3/4	2,115.59	3/4	1,842.34	3/4	1,569.10	3/4	1,295.92	3/4	1,025.85	3/4	753.19	3/4	480.69	3/4	211.82	3/4	
11	2,655.81	11	2,383.05	11	2,109.90	11	1,836.65	11	1,563.41	11	1,290.23	11	1,020.15	11	747.53	11	474.99	11	206.15	11	
1/4	2,650.16	1/4	2,377.36	1/4	2,104.20	1/4	1,830.96	1/4	1,557.71	1/4	1,284.54	1/4	1,014.46	1/4	741.87	1/4	469.30	1/4	200.47	1/4	
1/2	2,644.50	1/2	2,371.67	1/2	2,098.51	1/2	1,825.27	1/2	1,552.02	1/2	1,278.85	1/2	1,008.76	1/2	736.21	1/2	463.61	1/2	194.80	1/2	
3/4	2,638.85	3/4	2,365.98	3/4	2,092.82	3/4	1,819.57	3/4	1,546.33	3/4	1,273.15	3/4	1,003.07	3/4	730.55	3/4	457.91	3/4	189.13	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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BARGE "MM 80"
MAGNOLIA BARGE

4 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 3/4"

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	2,685.27	0	2,406.75	0	2,127.97	0	1,849.33	0	1,571.97	0	1,295.46	0	1,019.43	0	748.71	0	474.01	0	193.54
1/4		1/4	2,679.50	1/4	2,400.94	1/4	2,122.16	1/4	1,843.52	1/4	1,566.23	1/4	1,289.65	1/4	1,013.62	1/4	743.13	1/4	468.20	1/4	187.74
1/2	2,940.95	1/2	2,673.74	1/2	2,395.13	1/2	2,116.35	1/2	1,837.71	1/2	1,560.50	1/2	1,283.84	1/2	1,007.80	1/2	737.55	1/2	462.38	1/2	181.93
3/4	2,937.56	3/4	2,667.97	3/4	2,389.32	3/4	2,110.54	3/4	1,831.90	3/4	1,554.77	3/4	1,278.03	3/4	1,001.99	3/4	731.97	3/4	456.56	3/4	176.12
1	2,933.19	1	2,662.20	1	2,383.51	1	2,104.74	1	1,826.08	1	1,549.03	1	1,272.22	1	996.17	1	726.40	1	450.74	1	170.31
1/4	2,928.82	1/4	2,656.43	1/4	2,377.70	1/4	2,098.93	1/4	1,820.27	1/4	1,543.30	1/4	1,266.41	1/4	990.36	1/4	720.82	1/4	444.93	1/4	164.50
1/2	2,924.45	1/2	2,650.66	1/2	2,371.89	1/2	2,093.12	1/2	1,814.46	1/2	1,537.56	1/2	1,260.60	1/2	984.55	1/2	715.24	1/2	439.11	1/2	158.69
3/4	2,920.08	3/4	2,644.89	3/4	2,366.09	3/4	2,087.31	3/4	1,808.65	3/4	1,531.83	3/4	1,254.79	3/4	978.73	3/4	709.67	3/4	433.29	3/4	152.88
2	2,914.73	2	2,639.09	2	2,360.28	2	2,081.50	2	1,802.84	2	1,526.09	2	1,249.09	2	972.92	2	704.09	2	427.47	2	147.04
1/4	2,909.39	1/4	2,633.28	1/4	2,354.47	1/4	2,075.69	1/4	1,797.03	1/4	1,520.36	1/4	1,243.40	1/4	967.10	1/4	698.51	1/4	421.66	1/4	141.19
1/2	2,904.05	1/2	2,627.47	1/2	2,348.66	1/2	2,069.88	1/2	1,791.22	1/2	1,514.62	1/2	1,237.71	1/2	961.29	1/2	692.94	1/2	415.84	1/2	135.34
3/4	2,898.70	3/4	2,621.66	3/4	2,342.85	3/4	2,064.07	3/4	1,785.41	3/4	1,508.89	3/4	1,232.02	3/4	955.47	3/4	687.36	3/4	410.02	3/4	129.49
3	2,892.94	3	2,615.85	3	2,337.04	3	2,058.27	3	1,779.60	3	1,503.15	3	1,226.33	3	949.86	3	681.78	3	404.21	3	123.62
1/4	2,887.17	1/4	2,610.04	1/4	2,331.23	1/4	2,052.46	1/4	1,773.79	1/4	1,497.42	1/4	1,220.63	1/4	944.25	1/4	676.20	1/4	398.39	1/4	117.75
1/2	2,881.40	1/2	2,604.23	1/2	2,325.43	1/2	2,046.66	1/2	1,767.98	1/2	1,491.68	1/2	1,214.94	1/2	938.64	1/2	670.63	1/2	392.57	1/2	111.88
3/4	2,875.63	3/4	2,598.43	3/4	2,319.62	3/4	2,040.86	3/4	1,762.17	3/4	1,485.95	3/4	1,209.25	3/4	933.03	3/4	665.05	3/4	386.76	3/4	106.00
4	2,869.86	4	2,592.62	4	2,313.81	4	2,035.06	4	1,756.35	4	1,480.22	4	1,203.57	4	927.42	4	659.47	4	380.94	4	100.14
1/4	2,864.09	1/4	2,586.81	1/4	2,308.00	1/4	2,029.25	1/4	1,750.54	1/4	1,474.50	1/4	1,197.89	1/4	921.81	1/4	653.89	1/4	375.12	1/4	94.28
1/2	2,858.32	1/2	2,581.00	1/2	2,302.19	1/2	2,023.45	1/2	1,744.73	1/2	1,468.77	1/2	1,192.21	1/2	916.20	1/2	648.31	1/2	369.31	1/2	88.42
3/4	2,852.56	3/4	2,575.19	3/4	2,296.38	3/4	2,017.65	3/4	1,738.92	3/4	1,463.05	3/4	1,186.53	3/4	910.59	3/4	642.73	3/4	363.49	3/4	82.56
5	2,846.79	5	2,569.38	5	2,290.58	5	2,011.85	5	1,733.11	5	1,457.33	5	1,180.85	5	905.00	5	636.91	5	357.61	5	76.71
1/4	2,841.02	1/4	2,563.57	1/4	2,284.77	1/4	2,006.04	1/4	1,727.30	1/4	1,451.62	1/4	1,175.17	1/4	899.41	1/4	631.10	1/4	351.73	1/4	70.86
1/2	2,835.25	1/2	2,557.77	1/2	2,278.96	1/2	2,000.24	1/2	1,721.49	1/2	1,445.90	1/2	1,169.49	1/2	893.82	1/2	625.28	1/2	345.85	1/2	65.00
3/4	2,829.48	3/4	2,551.96	3/4	2,273.15	3/4	1,994.44	3/4	1,715.68	3/4	1,440.19	3/4	1,163.81	3/4	888.24	3/4	619.46	3/4	339.96	3/4	59.15
6	2,823.71	6	2,546.15	6	2,267.34	6	1,988.63	6	1,709.92	6	1,434.45	6	1,158.12	6	882.65	6	613.64	6	334.08	6	53.33
1/4	2,817.95	1/4	2,540.34	1/4	2,261.53	1/4	1,982.83	1/4	1,704.17	1/4	1,428.71	1/4	1,152.43	1/4	877.06	1/4	607.82	1/4	328.20	1/4	47.51
1/2	2,812.18	1/2	2,534.53	1/2	2,255.72	1/2	1,977.03	1/2	1,698.41	1/2	1,422.98	1/2	1,146.73	1/2	871.47	1/2	602.01	1/2	322.31	1/2	41.69
3/4	2,806.41	3/4	2,528.72	3/4	2,249.92	3/4	1,971.23	3/4	1,692.65	3/4	1,417.24	3/4	1,141.04	3/4	865.88	3/4	596.19	3/4	316.43	3/4	35.87
7	2,800.64	7	2,522.92	7	2,244.11	7	1,965.42	7	1,686.90	7	1,411.49	7	1,135.35	7	860.30	7	590.37	7	310.55	7	30.98
1/4	2,794.87	1/4	2,517.11	1/4	2,238.30	1/4	1,959.62	1/4	1,681.14	1/4	1,405.75	1/4	1,129.66	1/4	854.72	1/4	584.55	1/4	304.66	1/4	26.09
1/2	2,789.10	1/2	2,511.30	1/2	2,232.49	1/2	1,953.82	1/2	1,675.39	1/2	1,400.00	1/2	1,123.96	1/2	849.14	1/2	578.74	1/2	298.78	1/2	21.20
3/4	2,783.34	3/4	2,505.49	3/4	2,226.68	3/4	1,948.02	3/4	1,669.63	3/4	1,394.25	3/4	1,118.27	3/4	843.56	3/4	572.92	3/4	292.90	3/4	16.32
8	2,777.57	8	2,499.68	8	2,220.88	8	1,942.21	8	1,663.87	8	1,388.44	8	1,112.46	8	837.98	8	567.10	8	287.02	8	
1/4	2,771.80	1/4	2,493.87	1/4	2,215.08	1/4	1,936.41	1/4	1,658.12	1/4	1,382.63	1/4	1,106.64	1/4	832.39	1/4	561.28	1/4	281.15	1/4	
1/2	2,766.03	1/2	2,488.06	1/2	2,209.27	1/2	1,930.61	1/2	1,652.36	1/2	1,376.82	1/2	1,100.83	1/2	826.81	1/2	555.46	1/2	275.28	1/2	
3/4	2,760.26	3/4	2,482.26	3/4	2,203.47	3/4	1,924.80	3/4	1,646.60	3/4	1,371.01	3/4	1,095.02	3/4	821.23	3/4	549.65	3/4	269.40	3/4	
9	2,754.49	9	2,476.45	9	2,197.67	9	1,919.00	9	1,640.85	9	1,365.20	9	1,089.20	9	815.65	9	543.83	9	263.52	9	
1/4	2,748.73	1/4	2,470.64	1/4	2,191.86	1/4	1,913.20	1/4	1,635.09	1/4	1,359.39	1/4	1,083.39	1/4	810.07	1/4	538.01	1/4	257.63	1/4	
1/2	2,742.96	1/2	2,464.83	1/2	2,186.06	1/2	1,907.40	1/2	1,629.34	1/2	1,353.57	1/2	1,077.57	1/2	804.49	1/2	532.19	1/2	251.75	1/2	
3/4	2,737.19	3/4	2,459.02	3/4	2,180.26	3/4	1,901.59	3/4	1,623.58	3/4	1,347.76	3/4	1,071.76	3/4	798.91	3/4	526.37	3/4	245.86	3/4	
10	2,731.42	10	2,453.21	10	2,174.45	10	1,895.79	10	1,617.85	10	1,341.95	10	1,065.94	10	793.33	10	520.56	10	240.04	10	
1/4	2,725.65	1/4	2,447.40	1/4	2,168.64	1/4	1,889.99	1/4	1,612.11	1/4	1,336.14	1/4	1,060.13	1/4	787.75	1/4	514.74	1/4	234.23	1/4	
1/2	2,719.88	1/2	2,441.60	1/2	2,162.83	1/2	1,884.19	1/2	1,606.38	1/2	1,330.33	1/2	1,054.32	1/2	782.17	1/2	508.92	1/2	228.41	1/2	
3/4	2,714.11	3/4	2,435.79	3/4	2,157.02	3/4	1,878.38	3/4	1,600.64	3/4	1,324.52	3/4	1,048.50	3/4	776.59	3/4	503.10	3/4	222.59	3/4	
11	2,708.35	11	2,429.98	11	2,151.21	11	1,872.57	11	1,594.91	11	1,318.71	11	1,042.69	11	771.01	11	497.29	11	216.78	11	
1/4	2,702.58	1/4	2,424.17	1/4	2,145.40	1/4	1,866.76	1/4	1,589.17	1/4	1,312.90	1/4	1,036.87	1/4	765.44	1/4	491.47	1/4	210.97	1/4	
1/2	2,696.81	1/2	2,418.36	1/2	2,139.59	1/2	1,860.95	1/2	1,583.44	1/2	1,307.09	1/2	1,031.06	1/2	759.86	1/2	485.65	1/2	205.16	1/2	
3/4	2,691.04	3/4	2,412.55	3/4	2,133.78	3/4	1,855.14	3/4	1,577.70	3/4	1,301.28	3/4	1,025.24	3/4	754.28	3/4	479.83	3/4	199.35	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	2,686.96	0	2,410.54	0	2,133.84	0	1,857.26	0	1,581.80	0	1,307.24	0	1,033.09	0	756.67	0	480.13	0	199.48
1/4		1/4	2,681.24	1/4	2,404.78	1/4	2,128.07	1/4	1,851.49	1/4	1,576.10	1/4	1,301.47	1/4	1,027.31	1/4	750.93	1/4	474.31	1/4	193.67
1/2		1/2	2,675.51	1/2	2,399.01	1/2	2,122.30	1/2	1,845.73	1/2	1,570.41	1/2	1,295.70	1/2	1,021.54	1/2	745.19	1/2	468.49	1/2	187.85
3/4	2,935.35	3/4	2,669.78	3/4	2,393.25	3/4	2,116.54	3/4	1,839.96	3/4	1,564.71	3/4	1,289.93	3/4	1,015.76	3/4	739.45	3/4	462.67	3/4	182.04
1	2,931.95	1	2,664.06	1	2,387.48	1	2,110.77	1	1,834.19	1	1,559.02	1	1,284.16	1	1,009.99	1	733.71	1	456.85	1	176.23
1/4	2,927.58	1/4	2,658.33	1/4	2,381.71	1/4	2,105.00	1/4	1,828.42	1/4	1,553.32	1/4	1,278.38	1/4	1,004.21	1/4	727.96	1/4	451.03	1/4	170.42
1/2	2,923.21	1/2	2,652.61	1/2	2,375.95	1/2	2,099.24	1/2	1,822.65	1/2	1,547.62	1/2	1,272.61	1/2	998.44	1/2	722.22	1/2	445.21	1/2	164.61
3/4	2,918.83	3/4	2,646.88	3/4	2,370.18	3/4	2,093.47	3/4	1,816.89	3/4	1,541.93	3/4	1,266.84	3/4	992.66	3/4	716.48	3/4	439.38	3/4	158.79
2	2,914.46	2	2,641.16	2	2,364.42	2	2,087.71	2	1,811.12	2	1,536.23	2	1,261.07	2	986.89	2	710.74	2	433.56	2	152.98
1/4	2,909.11	1/4	2,635.39	1/4	2,358.65	1/4	2,081.94	1/4	1,805.35	1/4	1,530.54	1/4	1,255.41	1/4	981.11	1/4	705.00	1/4	427.74	1/4	147.13
1/2	2,903.77	1/2	2,629.63	1/2	2,352.89	1/2	2,076.17	1/2	1,799.58	1/2	1,524.84	1/2	1,249.76	1/2	975.34	1/2	699.26	1/2	421.92	1/2	141.28
3/4	2,898.42	3/4	2,623.86	3/4	2,347.12	3/4	2,070.41	3/4	1,793.81	3/4	1,519.15	3/4	1,244.11	3/4	969.56	3/4	693.51	3/4	416.10	3/4	135.43
3	2,893.08	3	2,618.10	3	2,341.36	3	2,064.64	3	1,788.05	3	1,513.45	3	1,238.46	3	963.79	3	687.77	3	410.28	3	129.58
1/4	2,887.35	1/4	2,612.33	1/4	2,335.59	1/4	2,058.88	1/4	1,782.28	1/4	1,507.76	1/4	1,232.80	1/4	958.01	1/4	682.03	1/4	404.46	1/4	123.70
1/2	2,881.62	1/2	2,606.57	1/2	2,329.83	1/2	2,053.12	1/2	1,776.51	1/2	1,502.06	1/2	1,227.15	1/2	952.24	1/2	676.29	1/2	398.64	1/2	117.82
3/4	2,875.90	3/4	2,600.80	3/4	2,324.06	3/4	2,047.36	3/4	1,770.74	3/4	1,496.36	3/4	1,221.50	3/4	946.46	3/4	670.55	3/4	392.82	3/4	111.95
4	2,870.17	4	2,595.03	4	2,318.30	4	2,041.60	4	1,764.97	4	1,490.67	4	1,215.84	4	940.69	4	664.80	4	387.00	4	106.07
1/4	2,864.45	1/4	2,589.27	1/4	2,312.53	1/4	2,035.84	1/4	1,759.21	1/4	1,484.98	1/4	1,210.20	1/4	934.91	1/4	659.06	1/4	381.18	1/4	100.21
1/2	2,858.72	1/2	2,583.50	1/2	2,306.76	1/2	2,030.08	1/2	1,753.44	1/2	1,479.30	1/2	1,204.56	1/2	929.14	1/2	653.32	1/2	375.36	1/2	94.34
3/4	2,853.00	3/4	2,577.74	3/4	2,301.00	3/4	2,024.32	3/4	1,747.67	3/4	1,473.61	3/4	1,198.92	3/4	923.36	3/4	647.57	3/4	369.54	3/4	88.48
5	2,847.27	5	2,571.97	5	2,295.23	5	2,018.56	5	1,741.90	5	1,467.92	5	1,193.28	5	917.59	5	641.83	5	363.72	5	82.61
1/4	2,841.55	1/4	2,566.21	1/4	2,289.47	1/4	2,012.80	1/4	1,736.14	1/4	1,462.25	1/4	1,187.64	1/4	911.83	1/4	636.05	1/4	357.84	1/4	76.76
1/2	2,835.82	1/2	2,560.44	1/2	2,283.70	1/2	2,007.04	1/2	1,730.37	1/2	1,456.57	1/2	1,182.00	1/2	906.08	1/2	630.28	1/2	351.95	1/2	70.90
3/4	2,830.10	3/4	2,554.68	3/4	2,277.94	3/4	2,001.28	3/4	1,724.60	3/4	1,450.89	3/4	1,176.36	3/4	900.33	3/4	624.50	3/4	346.06	3/4	65.05
6	2,824.37	6	2,548.91	6	2,272.17	6	1,995.52	6	1,718.83	6	1,445.22	6	1,170.72	6	894.57	6	618.73	6	340.18	6	59.19
1/4	2,818.65	1/4	2,543.15	1/4	2,266.41	1/4	1,989.77	1/4	1,713.11	1/4	1,439.52	1/4	1,165.06	1/4	888.82	1/4	612.95	1/4	334.29	1/4	53.36
1/2	2,812.92	1/2	2,537.38	1/2	2,260.64	1/2	1,984.01	1/2	1,707.40	1/2	1,433.82	1/2	1,159.41	1/2	883.07	1/2	607.18	1/2	328.40	1/2	47.54
3/4	2,807.19	3/4	2,531.62	3/4	2,254.88	3/4	1,978.25	3/4	1,701.68	3/4	1,428.13	3/4	1,153.76	3/4	877.31	3/4	601.41	3/4	322.52	3/4	41.72
7	2,801.47	7	2,525.85	7	2,249.11	7	1,972.49	7	1,695.96	7	1,422.43	7	1,148.10	7	871.56	7	595.63	7	316.63	7	35.89
1/4	2,795.74	1/4	2,520.08	1/4	2,243.35	1/4	1,966.73	1/4	1,690.25	1/4	1,416.72	1/4	1,142.45	1/4	865.82	1/4	589.86	1/4	310.74	1/4	31.00
1/2	2,790.02	1/2	2,514.32	1/2	2,237.58	1/2	1,960.97	1/2	1,684.53	1/2	1,411.01	1/2	1,136.80	1/2	860.07	1/2	584.08	1/2	304.86	1/2	26.11
3/4	2,784.29	3/4	2,508.55	3/4	2,231.81	3/4	1,955.21	3/4	1,678.81	3/4	1,405.31	3/4	1,131.14	3/4	854.32	3/4	578.31	3/4	298.97	3/4	21.22
8	2,778.57	8	2,502.79	8	2,226.05	8	1,949.45	8	1,673.10	8	1,399.60	8	1,125.49	8	848.58	8	572.53	8	293.08	8	16.33
1/4	2,772.84	1/4	2,497.02	1/4	2,220.29	1/4	1,943.69	1/4	1,667.38	1/4	1,393.83	1/4	1,119.72	1/4	842.83	1/4	566.76	1/4	287.20	1/4	
1/2	2,767.12	1/2	2,491.26	1/2	2,214.53	1/2	1,937.93	1/2	1,661.66	1/2	1,388.05	1/2	1,113.94	1/2	837.09	1/2	560.98	1/2	281.33	1/2	
3/4	2,761.39	3/4	2,485.49	3/4	2,208.77	3/4	1,932.17	3/4	1,655.95	3/4	1,382.28	3/4	1,108.17	3/4	831.34	3/4	555.21	3/4	275.45	3/4	
9	2,755.67	9	2,479.73	9	2,203.01	9	1,926.41	9	1,650.23	9	1,376.51	9	1,102.39	9	825.60	9	549.43	9	269.57	9	
1/4	2,749.94	1/4	2,473.96	1/4	2,197.25	1/4	1,920.65	1/4	1,644.51	1/4	1,370.74	1/4	1,096.61	1/4	819.85	1/4	543.66	1/4	263.68	1/4	
1/2	2,744.21	1/2	2,468.20	1/2	2,191.49	1/2	1,914.89	1/2	1,638.80	1/2	1,364.97	1/2	1,090.84	1/2	814.10	1/2	537.88	1/2	257.80	1/2	
3/4	2,738.49	3/4	2,462.43	3/4	2,185.73	3/4	1,909.13	3/4	1,633.08	3/4	1,359.19	3/4	1,085.06	3/4	808.36	3/4	532.11	3/4	251.91	3/4	
10	2,732.76	10	2,456.66	10	2,179.97	10	1,903.37	10	1,627.36	10	1,353.42	10	1,079.29	10	802.61	10	526.33	10	246.02	10	
1/4	2,727.04	1/4	2,450.90	1/4	2,174.20	1/4	1,897.61	1/4	1,621.67	1/4	1,347.65	1/4	1,073.51	1/4	796.87	1/4	520.56	1/4	240.20	1/4	
1/2	2,721.31	1/2	2,445.13	1/2	2,168.44	1/2	1,891.85	1/2	1,615.97	1/2	1,341.88	1/2	1,067.74	1/2	791.13	1/2	514.78	1/2	234.37	1/2	
3/4	2,715.59	3/4	2,439.37	3/4	2,162.67	3/4	1,886.09	3/4	1,610.27	3/4	1,336.10	3/4	1,061.96	3/4	785.38	3/4	509.01	3/4	228.55	3/4	
11	2,709.86	11	2,433.60	11	2,156.90	11	1,880.33	11	1,604.58	11	1,330.33	11	1,056.19	11	779.64	11	503.23	11	222.73	11	
1/4	2,704.14	1/4	2,427.84	1/4	2,151.14	1/4	1,874.56	1/4	1,598.88	1/4	1,324.56	1/4	1,050.41	1/4	773.90	1/4	497.46	1/4	216.92	1/4	
1/2	2,698.41	1/2	2,422.07	1/2	2,145.37	1/2	1,868.80	1/2	1,593.19	1/2	1,318.79	1/2	1,044.64	1/2	768.16	1/2	491.68	1/2	211.10	1/2	
3/4	2,692.69	3/4	2,416.31	3/4	2,139.60	3/4	1,863.03	3/4	1,587.49	3/4	1,313.02	3/4	1,038.86	3/4	762.41	3/4	485.91	3/4	205.29	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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