



BARGE "MM 14B"

ULLAGE TRIM TABLE MMC

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
4 PORT	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-3/8	- 01-3/8	01-7/8	- 01-7/8	02-3/8	- 02-3/8	02-7/8	- 02-7/8
4 STBD	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-3/8	- 01-3/8	01-7/8	- 01-7/8	02-3/8	- 02-3/8	02-7/8	- 02-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 4 PORT IS - 01-0/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 4 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 0/8"

LENGTH BETWEEN DRAFT MARKS: 283'-03"

January 7, 2016

PRECISION MEASUREMENT
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BARGE "MM 14B"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.
0		0		0	2,705.43	0	2,425.16	0	2,144.65	0	1,864.06	0	1,583.47	0	1,302.94	0	1,023.16	0	744.58	0	465.20	0	188.79
1/4		1/4		1/4	2,699.62	1/4	2,419.32	1/4	2,138.81	1/4	1,858.21	1/4	1,577.62	1/4	1,297.10	1/4	1,017.31	1/4	738.80	1/4	459.36	1/4	182.97
1/2		1/2		1/2	2,962.58	1/2	2,693.82	1/2	2,413.47	1/2	2,132.96	1/2	1,852.37	1/2	1,571.78	1/2	1,291.25	1/2	1,011.46	1/2	733.02	1/2	453.51
3/4		3/4		3/4	2,959.17	3/4	2,688.01	3/4	2,407.63	3/4	2,127.12	3/4	1,846.52	3/4	1,565.93	3/4	1,285.40	3/4	1,005.62	3/4	727.24	3/4	447.66
1		1		1	2,954.79	1	2,682.21	1	2,401.78	1	2,121.27	1	1,840.68	1	1,560.08	1	1,279.56	1	999.77	1	721.46	1	441.82
1/4		1/4		1/4	2,950.40	1/4	2,676.40	1/4	2,395.94	1/4	2,115.43	1/4	1,834.83	1/4	1,554.24	1/4	1,273.71	1/4	993.92	1/4	715.68	1/4	435.97
1/2		1/2		1/2	2,946.02	1/2	2,670.60	1/2	2,390.09	1/2	2,109.58	1/2	1,828.99	1/2	1,548.39	1/2	1,267.87	1/2	988.07	1/2	709.90	1/2	430.12
3/4		3/4		3/4	2,941.64	3/4	2,664.79	3/4	2,384.25	3/4	2,103.73	3/4	1,823.14	3/4	1,542.55	3/4	1,262.02	3/4	982.23	3/4	704.12	3/4	424.28
2		2		2	2,936.28	2	2,658.95	2	2,378.40	2	2,097.89	2	1,817.29	2	1,536.70	2	1,256.21	2	976.38	2	698.34	2	418.43
1/4		1/4		1/4	2,930.92	1/4	2,653.11	1/4	2,372.56	1/4	2,092.04	1/4	1,811.45	1/4	1,530.86	1/4	1,250.40	1/4	970.53	1/4	692.56	1/4	412.58
1/2		1/2		1/2	2,925.56	1/2	2,647.26	1/2	2,366.72	1/2	2,086.20	1/2	1,805.60	1/2	1,525.01	1/2	1,244.58	1/2	964.69	1/2	686.78	1/2	406.74
3/4		3/4		3/4	2,920.20	3/4	2,641.42	3/4	2,360.87	3/4	2,080.35	3/4	1,799.76	3/4	1,519.16	3/4	1,238.77	3/4	958.84	3/4	681.00	3/4	400.89
3		3		3	2,914.39	3	2,635.57	3	2,355.03	3	2,074.51	3	1,793.91	3	1,513.32	3	1,232.96	3	953.03	3	675.22	3	395.04
1/4		1/4		1/4	2,908.59	1/4	2,629.73	1/4	2,349.18	1/4	2,068.66	1/4	1,788.07	1/4	1,507.47	1/4	1,227.15	1/4	947.21	1/4	669.45	1/4	389.20
1/2		1/2		1/2	2,902.78	1/2	2,623.88	1/2	2,343.34	1/2	2,062.81	1/2	1,782.22	1/2	1,501.63	1/2	1,221.33	1/2	941.40	1/2	663.67	1/2	383.35
3/4		3/4		3/4	2,896.98	3/4	2,618.04	3/4	2,337.49	3/4	2,056.97	3/4	1,776.37	3/4	1,495.78	3/4	1,215.52	3/4	935.59	3/4	657.89	3/4	377.50
4		4		4	2,891.17	4	2,612.19	4	2,331.65	4	2,051.12	4	1,770.53	4	1,489.94	4	1,209.71	4	929.77	4	652.10	4	371.66
1/4		1/4		1/4	2,885.37	1/4	2,606.35	1/4	2,325.80	1/4	2,045.28	1/4	1,764.68	1/4	1,484.11	1/4	1,203.91	1/4	923.96	1/4	646.32	1/4	365.81
1/2		1/2		1/2	2,879.56	1/2	2,600.50	1/2	2,319.96	1/2	2,039.43	1/2	1,758.84	1/2	1,478.27	1/2	1,198.10	1/2	918.15	1/2	640.54	1/2	359.96
3/4		3/4		3/4	2,873.76	3/4	2,594.66	3/4	2,314.11	3/4	2,033.59	3/4	1,752.99	3/4	1,472.44	3/4	1,192.29	3/4	912.33	3/4	634.76	3/4	354.12
5		5		5	2,867.96	5	2,588.81	5	2,308.27	5	2,027.74	5	1,747.15	5	1,466.60	5	1,186.48	5	906.54	5	628.91	5	348.47
1/4		1/4		1/4	2,862.15	1/4	2,582.97	1/4	2,302.42	1/4	2,021.89	1/4	1,741.30	1/4	1,460.76	1/4	1,180.67	1/4	900.75	1/4	623.06	1/4	342.82
1/2		1/2		1/2	2,856.35	1/2	2,577.12	1/2	2,296.58	1/2	2,016.05	1/2	1,735.45	1/2	1,454.93	1/2	1,174.86	1/2	894.96	1/2	617.22	1/2	337.18
3/4		3/4		3/4	2,850.54	3/4	2,571.28	3/4	2,290.73	3/4	2,010.20	3/4	1,729.61	3/4	1,449.09	3/4	1,169.05	3/4	889.17	3/4	611.37	3/4	331.53
6		6		6	2,844.74	6	2,565.43	6	2,284.89	6	2,004.36	6	1,723.76	6	1,443.24	6	1,163.24	6	883.38	6	605.52	6	325.88
1/4		1/4		1/4	2,838.93	1/4	2,559.59	1/4	2,279.04	1/4	1,998.51	1/4	1,717.92	1/4	1,437.40	1/4	1,157.43	1/4	877.59	1/4	599.68	1/4	320.24
1/2		1/2		1/2	2,833.13	1/2	2,553.75	1/2	2,273.20	1/2	1,992.67	1/2	1,712.07	1/2	1,431.55	1/2	1,151.62	1/2	871.80	1/2	593.83	1/2	314.59
3/4		3/4		3/4	2,827.32	3/4	2,547.90	3/4	2,267.36	3/4	1,986.82	3/4	1,706.23	3/4	1,425.71	3/4	1,145.81	3/4	866.01	3/4	587.98	3/4	308.94
7		7		7	2,821.52	7	2,542.06	7	2,261.51	7	1,980.97	7	1,700.38	7	1,419.86	7	1,139.99	7	860.22	7	582.14	7	303.30
1/4		1/4		1/4	2,815.71	1/4	2,536.21	1/4	2,255.67	1/4	1,975.13	1/4	1,694.53	1/4	1,414.01	1/4	1,134.18	1/4	854.44	1/4	576.29	1/4	297.65
1/2		1/2		1/2	2,809.91	1/2	2,530.37	1/2	2,249.82	1/2	1,969.28	1/2	1,688.69	1/2	1,408.17	1/2	1,128.37	1/2	848.66	1/2	570.44	1/2	292.00
3/4		3/4		3/4	2,804.11	3/4	2,524.52	3/4	2,243.98	3/4	1,963.44	3/4	1,682.84	3/4	1,402.32	3/4	1,122.56	3/4	842.87	3/4	564.60	3/4	286.36
8		8		8	2,798.30	8	2,518.68	8	2,238.14	8	1,957.59	8	1,677.00	8	1,396.48	8	1,116.71	8	837.09	8	558.75	8	280.72
1/4		1/4		1/4	2,792.50	1/4	2,512.83	1/4	2,232.30	1/4	1,951.75	1/4	1,671.15	1/4	1,390.63	1/4	1,110.86	1/4	831.31	1/4	552.90	1/4	275.08
1/2		1/2		1/2	2,786.69	1/2	2,506.99	1/2	2,226.46	1/2	1,945.90	1/2	1,665.31	1/2	1,384.78	1/2	1,105.01	1/2	825.52	1/2	547.06	1/2	269.45
3/4		3/4		3/4	2,780.89	3/4	2,501.14	3/4	2,220.62	3/4	1,940.05	3/4	1,659.46	3/4	1,378.94	3/4	1,099.17	3/4	819.74	3/4	541.21	3/4	263.81
9		9		9	2,775.08	9	2,495.30	9	2,214.78	9	1,934.21	9	1,653.61	9	1,373.09	9	1,093.32	9	813.95	9	535.36	9	258.17
1/4		1/4		1/4	2,769.28	1/4	2,489.45	1/4	2,208.94	1/4	1,928.36	1/4	1,647.77	1/4	1,367.25	1/4	1,087.47	1/4	808.17	1/4	529.52	1/4	252.54
1/2		1/2		1/2	2,763.47	1/2	2,483.61	1/2	2,203.10	1/2	1,922.52	1/2	1,641.92	1/2	1,361.40	1/2	1,081.63	1/2	802.39	1/2	523.67	1/2	246.90
3/4		3/4		3/4	2,757.67	3/4	2,477.76	3/4	2,197.27	3/4	1,916.67	3/4	1,636.08	3/4	1,355.55	3/4	1,075.78	3/4	796.60	3/4	517.82	3/4	241.27
10		10		10	2,751.86	10	2,471.92	10	2,191.42	10	1,910.83	10	1,630.23	10	1,349.71	10	1,069.93	10	790.82	10	511.98	10	235.43
1/4		1/4		1/4	2,746.06	1/4	2,466.07	1/4	2,185.57	1/4	1,904.98	1/4	1,624.39	1/4	1,343.86	1/4	1,064.09	1/4	785.04	1/4	506.13	1/4	229.59
1/2		1/2		1/2	2,740.25	1/2	2,460.23	1/2	2,179.73	1/2	1,899.13	1/2	1,618.54	1/2	1,338.02	1/2	1,058.24	1/2	779.26	1/2	500.28	1/2	223.76
3/4		3/4		3/4	2,734.45	3/4	2,454.39	3/4	2,173.88	3/4	1,893.29	3/4	1,612.70	3/4	1,332.17	3/4	1,052.39	3/4	773.48	3/4	494.44	3/4	217.92
11		11		11	2,728.65	11	2,448.54	11	2,168.04	11	1,887.44	11	1,606.85	11	1,326.33	11	1,046.54	11	767.70	11	488.59	11	212.09
1/4		1/4		1/4	2,722.84	1/4	2,442.70	1/4	2,162.19	1/4	1,881.60	1/4	1,601.00	1/4	1,320.48	1/4	1,040.70	1/4	761.92	1/4	482.74	1/4	206.27
1/2		1/2		1/2	2,717.04	1/2	2,436.85	1/2	2,156.35	1/2	1,875.75	1/2	1,595.16	1/2	1,314.63	1/2	1,034.85	1/2	756.14	1/2	476.90	1/2	200.44
3/4		3/4		3/4	2,711.23	3/4	2,431.01	3/4	2,150.50	3/4	1,869.91	3/4	1,589.31	3/4	1,308.79	3/4	1,029.00	3/4	750.36	3/4	471.05	3/4	194.62

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES.

GAUGE POINT: (MMC - 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'-00" FORWARD OF AFT BULKHEAD.

STRAPPED: 01/07/2016 CL
CALCULATED: 01/08/2016 CL
PRINTED: 01/09/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2016

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BARGE "MM 14B"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.
0	0	0	0	0	2,701.94	0	2,421.59	0	2,141.04	0	1,860.40	0	1,579.77	0	1,299.20	0	1,019.37	0	739.53	0	459.43	0	182.99
1/4	1/4	1/4	2,964.94	1/4	2,696.14	1/4	2,415.75	1/4	2,135.19	1/4	1,854.56	1/4	1,573.92	1/4	1,293.35	1/4	1,013.52	1/4	733.71	1/4	453.58	1/4	177.17
1/2	1/2	1/2	2,961.53	1/2	2,690.33	1/2	2,409.90	1/2	2,129.35	1/2	1,848.71	1/2	1,568.07	1/2	1,287.51	1/2	1,007.67	1/2	727.90	1/2	447.73	1/2	171.34
3/4	3/4	3/4	2,957.15	3/4	2,684.53	3/4	2,404.06	3/4	2,123.50	3/4	1,842.86	3/4	1,562.23	3/4	1,281.66	3/4	1,001.83	3/4	722.08	3/4	441.88	3/4	165.51
1	1	1	2,952.76	1	2,678.72	1	2,398.21	1	2,117.66	1	1,837.02	1	1,556.38	1	1,275.81	1	995.98	1	716.27	1	436.04	1	159.69
1/4	1/4	1/4	2,948.38	1/4	2,672.91	1/4	2,392.37	1/4	2,111.81	1/4	1,831.17	1/4	1,550.53	1/4	1,269.97	1/4	990.13	1/4	710.45	1/4	430.19	1/4	153.86
1/2	1/2	1/2	2,943.99	1/2	2,667.11	1/2	2,386.52	1/2	2,105.96	1/2	1,825.33	1/2	1,544.69	1/2	1,264.12	1/2	984.28	1/2	704.64	1/2	424.34	1/2	148.03
3/4	3/4	3/4	2,938.63	3/4	2,661.26	3/4	2,380.67	3/4	2,100.12	3/4	1,819.48	3/4	1,538.84	3/4	1,258.31	3/4	978.43	3/4	698.82	3/4	418.49	3/4	142.30
2	2	2	2,933.27	2	2,655.42	2	2,374.83	2	2,094.27	2	1,813.63	2	1,532.99	2	1,252.49	2	972.59	2	693.01	2	412.65	2	136.57
1/4	1/4	1/4	2,927.91	1/4	2,649.57	1/4	2,368.98	1/4	2,088.42	1/4	1,807.79	1/4	1,527.15	1/4	1,246.68	1/4	966.74	1/4	687.20	1/4	406.80	1/4	130.83
1/2	1/2	1/2	2,922.55	1/2	2,643.73	1/2	2,363.14	1/2	2,082.58	1/2	1,801.94	1/2	1,521.30	1/2	1,240.87	1/2	960.89	1/2	681.38	1/2	400.95	1/2	125.10
3/4	3/4	3/4	2,916.75	3/4	2,637.88	3/4	2,357.29	3/4	2,076.73	3/4	1,796.09	3/4	1,515.46	3/4	1,235.05	3/4	955.04	3/4	675.57	3/4	395.10	3/4	119.48
3	3	3	2,910.94	3	2,632.04	3	2,351.45	3	2,070.88	3	1,790.25	3	1,509.61	3	1,229.24	3	949.19	3	669.75	3	389.26	3	113.85
1/4	1/4	1/4	2,905.13	1/4	2,626.19	1/4	2,345.60	1/4	2,065.04	1/4	1,784.40	1/4	1,503.76	1/4	1,223.43	1/4	943.35	1/4	663.94	1/4	383.41	1/4	108.23
1/2	1/2	1/2	2,899.33	1/2	2,620.34	1/2	2,339.76	1/2	2,059.19	1/2	1,778.55	1/2	1,497.92	1/2	1,217.61	1/2	937.50	1/2	658.12	1/2	377.56	1/2	102.60
3/4	3/4	3/4	2,893.52	3/4	2,614.50	3/4	2,333.91	3/4	2,053.34	3/4	1,772.71	3/4	1,492.08	3/4	1,211.80	3/4	931.65	3/4	652.31	3/4	371.71	3/4	96.99
4	4	4	2,887.72	4	2,608.65	4	2,328.06	4	2,047.50	4	1,766.86	4	1,486.24	4	1,205.99	4	925.80	4	646.49	4	365.87	4	91.38
1/4	1/4	1/4	2,881.91	1/4	2,602.81	1/4	2,322.22	1/4	2,041.65	1/4	1,761.01	1/4	1,480.40	1/4	1,200.19	1/4	919.95	1/4	640.67	1/4	360.02	1/4	85.77
1/2	1/2	1/2	2,876.11	1/2	2,596.96	1/2	2,316.37	1/2	2,035.80	1/2	1,755.17	1/2	1,474.57	1/2	1,194.38	1/2	914.11	1/2	634.86	1/2	354.17	1/2	80.15
3/4	3/4	3/4	2,870.30	3/4	2,591.12	3/4	2,310.53	3/4	2,029.96	3/4	1,749.32	3/4	1,468.73	3/4	1,188.57	3/4	908.28	3/4	629.01	3/4	348.52	3/4	74.55
5	5	5	2,864.50	5	2,585.27	5	2,304.68	5	2,024.11	5	1,743.47	5	1,462.89	5	1,182.76	5	902.46	5	623.16	5	342.88	5	68.94
1/4	1/4	1/4	2,858.69	1/4	2,579.43	1/4	2,298.84	1/4	2,018.26	1/4	1,737.63	1/4	1,457.05	1/4	1,176.95	1/4	896.63	1/4	617.31	1/4	337.23	1/4	63.34
1/2	1/2	1/2	2,852.89	1/2	2,573.58	1/2	2,292.99	1/2	2,012.42	1/2	1,731.78	1/2	1,451.22	1/2	1,171.14	1/2	890.80	1/2	611.47	1/2	331.58	1/2	57.73
3/4	3/4	3/4	2,847.08	3/4	2,567.73	3/4	2,287.15	3/4	2,006.57	3/4	1,725.93	3/4	1,445.37	3/4	1,165.33	3/4	884.98	3/4	605.62	3/4	325.93	3/4	52.16
6	6	6	2,841.27	6	2,561.89	6	2,281.30	6	2,000.72	6	1,720.09	6	1,439.52	6	1,159.51	6	879.15	6	599.77	6	320.29	6	46.59
1/4	1/4	1/4	2,835.47	1/4	2,556.04	1/4	2,275.45	1/4	1,994.88	1/4	1,714.24	1/4	1,433.68	1/4	1,153.70	1/4	873.33	1/4	593.92	1/4	314.64	1/4	41.02
1/2	1/2	1/2	2,829.66	1/2	2,550.20	1/2	2,269.61	1/2	1,989.03	1/2	1,708.39	1/2	1,427.83	1/2	1,147.88	1/2	867.50	1/2	588.07	1/2	308.99	1/2	35.44
3/4	3/4	3/4	2,823.86	3/4	2,544.35	3/4	2,263.76	3/4	1,983.18	3/4	1,702.55	3/4	1,421.98	3/4	1,142.07	3/4	861.68	3/4	582.23	3/4	303.34	3/4	30.67
7	7	7	2,818.05	7	2,538.51	7	2,257.92	7	1,977.34	7	1,696.70	7	1,416.14	7	1,136.26	7	855.86	7	576.38	7	297.69	7	25.90
1/4	1/4	1/4	2,812.25	1/4	2,532.66	1/4	2,252.07	1/4	1,971.49	1/4	1,690.85	1/4	1,410.29	1/4	1,130.44	1/4	850.04	1/4	570.53	1/4	292.05	1/4	21.13
1/2	1/2	1/2	2,806.44	1/2	2,526.81	1/2	2,246.23	1/2	1,965.64	1/2	1,685.01	1/2	1,404.44	1/2	1,124.63	1/2	844.23	1/2	564.68	1/2	286.40	1/2	16.37
3/4	3/4	3/4	2,800.64	3/4	2,520.97	3/4	2,240.39	3/4	1,959.80	3/4	1,679.16	3/4	1,398.59	3/4	1,118.78	3/4	838.41	3/4	558.84	3/4	280.76	3/4	---
8	8	8	2,794.83	8	2,515.12	8	2,234.55	8	1,953.95	8	1,673.31	8	1,392.75	8	1,112.94	8	832.59	8	552.99	8	275.13	8	---
1/4	1/4	1/4	2,789.02	1/4	2,509.28	1/4	2,228.71	1/4	1,948.10	1/4	1,667.47	1/4	1,386.90	1/4	1,107.09	1/4	826.77	1/4	547.14	1/4	269.49	1/4	---
1/2	1/2	1/2	2,783.22	1/2	2,503.43	1/2	2,222.87	1/2	1,942.26	1/2	1,661.62	1/2	1,381.05	1/2	1,101.24	1/2	820.95	1/2	541.29	1/2	263.85	1/2	---
3/4	3/4	3/4	2,777.41	3/4	2,497.59	3/4	2,217.03	3/4	1,936.41	3/4	1,655.77	3/4	1,375.21	3/4	1,095.39	3/4	815.13	3/4	535.45	3/4	258.21	3/4	---
9	9	9	2,771.61	9	2,491.74	9	2,211.19	9	1,930.56	9	1,649.93	9	1,369.36	9	1,089.54	9	809.31	9	529.60	9	252.58	9	---
1/4	1/4	1/4	2,765.80	1/4	2,485.90	1/4	2,205.35	1/4	1,924.72	1/4	1,644.08	1/4	1,363.51	1/4	1,083.70	1/4	803.50	1/4	523.75	1/4	246.94	1/4	---
1/2	1/2	1/2	2,760.00	1/2	2,480.05	1/2	2,199.51	1/2	1,918.87	1/2	1,638.23	1/2	1,357.67	1/2	1,077.85	1/2	797.68	1/2	517.90	1/2	241.30	1/2	---
3/4	3/4	3/4	2,754.19	3/4	2,474.20	3/4	2,193.66	3/4	1,913.02	3/4	1,632.39	3/4	1,351.82	3/4	1,072.00	3/4	791.86	3/4	512.06	3/4	235.47	3/4	---
10	10	10	2,748.39	10	2,468.36	10	2,187.81	10	1,907.18	10	1,626.54	10	1,345.97	10	1,066.15	10	786.05	10	506.21	10	229.63	10	---
1/4	1/4	1/4	2,742.58	1/4	2,462.51	1/4	2,181.97	1/4	1,901.33	1/4	1,620.69	1/4	1,340.13	1/4	1,060.30	1/4	780.23	1/4	500.36	1/4	223.79	1/4	---
1/2	1/2	1/2	2,736.78	1/2	2,456.67	1/2	2,176.12	1/2	1,895.48	1/2	1,614.85	1/2	1,334.28	1/2	1,054.46	1/2	774.41	1/2	494.51	1/2	217.95	1/2	---
3/4	3/4	3/4	2,730.97	3/4	2,450.82	3/4	2,170.27	3/4	1,889.64	3/4	1,609.00	3/4	1,328.43	3/4	1,048.61	3/4	768.60	3/4	488.67	3/4	212.13	3/4	---
11	11	11	2,725.16	11	2,444.98	11	2,164.43	11	1,883.79	11	1,603.15	11	1,322.59	11	1,042.76	11	762.78	11	482.82	11	206.30	11	---
1/4	1/4	1/4	2,719.36	1/4	2,439.13	1/4	2,158.58	1/4	1,877.94	1/4	1,597.31	1/4	1,316.74	1/4	1,036.91	1/4	756.97	1/4	476.97	1/4	200.47	1/4	---
1/2	1/2	1/2	2,713.55	1/2	2,433.29	1/2	2,152.73	1/2	1,872.10	1/2	1,591.46	1/2	1,310.89	1/2	1,031.06	1/2	751.15	1/2	471.12	1/2	194.65	1/2	---
3/4	3/4	3/4	2,707.75	3/4	2,427.44	3/4	2,146.89	3/4	1,866.25	3/4	1,585.61	3/4	1,305.05	3/4	1,025.22	3/4	745.34	3/4	465.28	3/4	188.82	3/4	---

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES.

GAUGE POINT: (MMC - 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'-00" FORWARD OF AFT BULKHEAD.

STRAPPED: 01/07/2016 CL
CALCULATED: 01/08/2016 CL
PRINTED: 01/09/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2016

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



BARGE "MM 14B"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.		
0		0		0	2,918.45	0	2,614.51	0	2,310.32	0	2,006.06	0	1,701.80	0	1,397.60	0	1,096.50	0	802.96	0	504.38	0	204.65		
1/4		1/4		1/4	2,912.15	1/4	2,608.18	1/4	2,303.99	1/4	1,999.72	1/4	1,695.46	1/4	1,391.26	1/4	1,090.16	1/4	796.92	1/4	498.04	1/4	198.34		
1/2		1/2		1/2	3,197.43	1/2	2,905.85	1/2	2,601.84	1/2	2,297.65	1/2	1,993.38	1/2	1,689.12	1/2	1,384.92	1/2	1,083.82	1/2	790.88	1/2	491.70	1/2	192.02
3/4		3/4		3/4	3,193.73	3/4	2,899.55	3/4	2,595.50	3/4	2,291.31	3/4	1,987.05	3/4	1,682.78	3/4	1,378.58	3/4	1,077.48	3/4	784.84	3/4	485.36	3/4	185.70
1		1		1	3,188.98	1	2,893.26	1	2,589.16	1	2,284.97	1	1,980.71	1	1,676.44	1	1,372.24	1	1,071.14	1	778.81	1	479.02	1	179.38
1/4		1/4		1/4	3,184.23	1/4	2,886.96	1/4	2,582.82	1/4	2,278.63	1/4	1,974.37	1/4	1,670.11	1/4	1,365.91	1/4	1,064.80	1/4	772.77	1/4	472.68	1/4	173.06
1/2		1/2		1/2	3,179.47	1/2	2,880.66	1/2	2,576.49	1/2	2,272.29	1/2	1,968.03	1/2	1,663.77	1/2	1,359.57	1/2	1,058.46	1/2	766.73	1/2	466.34	1/2	166.74
3/4		3/4		3/4	3,174.72	3/4	2,874.36	3/4	2,570.15	3/4	2,265.95	3/4	1,961.69	3/4	1,657.43	3/4	1,353.23	3/4	1,052.12	3/4	760.70	3/4	460.00	3/4	160.42
2		2		2	3,168.91	2	2,868.03	2	2,563.81	2	2,259.61	2	1,955.35	2	1,651.09	2	1,347.02	2	1,045.78	2	754.66	2	453.66	2	154.21
1/4		1/4		1/4	3,163.09	1/4	2,861.69	1/4	2,557.47	1/4	2,253.27	1/4	1,949.01	1/4	1,644.75	1/4	1,340.81	1/4	1,039.44	1/4	748.62	1/4	447.32	1/4	147.99
1/2		1/2		1/2	3,157.28	1/2	2,855.35	1/2	2,551.14	1/2	2,246.94	1/2	1,942.67	1/2	1,638.41	1/2	1,334.61	1/2	1,033.09	1/2	742.58	1/2	440.98	1/2	141.77
3/4		3/4		3/4	3,151.47	3/4	2,849.01	3/4	2,544.80	3/4	2,240.60	3/4	1,936.33	3/4	1,632.07	3/4	1,328.40	3/4	1,026.75	3/4	736.55	3/4	434.64	3/4	135.56
3		3		3	3,145.17	3	2,842.67	3	2,538.46	3	2,234.26	3	1,930.00	3	1,625.73	3	1,322.19	3	1,020.68	3	730.51	3	428.30	3	129.46
1/4		1/4		1/4	3,138.87	1/4	2,836.34	1/4	2,532.12	1/4	2,227.92	1/4	1,923.66	1/4	1,619.39	1/4	1,315.98	1/4	1,014.61	1/4	724.47	1/4	421.96	1/4	123.36
1/2		1/2		1/2	3,132.58	1/2	2,830.00	1/2	2,525.78	1/2	2,221.58	1/2	1,917.32	1/2	1,613.06	1/2	1,309.78	1/2	1,008.54	1/2	718.43	1/2	415.62	1/2	117.26
3/4		3/4		3/4	3,126.28	3/4	2,823.66	3/4	2,519.45	3/4	2,215.24	3/4	1,910.98	3/4	1,606.72	3/4	1,303.57	3/4	1,002.47	3/4	712.40	3/4	409.28	3/4	111.17
4		4		4	3,119.98	4	2,817.32	4	2,513.11	4	2,208.90	4	1,904.64	4	1,600.39	4	1,297.37	4	996.40	4	706.36	4	402.94	4	105.08
1/4		1/4		1/4	3,113.68	1/4	2,810.99	1/4	2,506.77	1/4	2,202.56	1/4	1,898.30	1/4	1,594.06	1/4	1,291.16	1/4	990.33	1/4	700.32	1/4	396.60	1/4	99.00
1/2		1/2		1/2	3,107.39	1/2	2,804.65	1/2	2,500.43	1/2	2,196.23	1/2	1,891.96	1/2	1,587.73	1/2	1,284.96	1/2	984.26	1/2	694.28	1/2	390.26	1/2	92.91
3/4		3/4		3/4	3,101.09	3/4	2,798.31	3/4	2,494.10	3/4	2,189.89	3/4	1,885.62	3/4	1,581.40	3/4	1,278.75	3/4	978.19	3/4	688.24	3/4	383.92	3/4	86.83
5		5		5	3,094.79	5	2,791.97	5	2,487.76	5	2,183.55	5	1,879.29	5	1,575.07	5	1,272.55	5	972.14	5	681.90	5	377.80	5	80.75
1/4		1/4		1/4	3,088.49	1/4	2,785.63	1/4	2,481.42	1/4	2,177.21	1/4	1,872.95	1/4	1,568.74	1/4	1,266.35	1/4	966.09	1/4	675.56	1/4	371.68	1/4	74.68
1/2		1/2		1/2	3,082.19	1/2	2,779.30	1/2	2,475.08	1/2	2,170.87	1/2	1,866.61	1/2	1,562.41	1/2	1,260.14	1/2	960.04	1/2	669.22	1/2	365.56	1/2	68.60
3/4		3/4		3/4	3,075.90	3/4	2,772.96	3/4	2,468.74	3/4	2,164.53	3/4	1,860.27	3/4	1,556.08	3/4	1,253.94	3/4	953.99	3/4	662.88	3/4	359.43	3/4	62.52
6		6		6	3,069.60	6	2,766.62	6	2,462.41	6	2,158.19	6	1,853.93	6	1,549.74	6	1,247.73	6	947.94	6	656.54	6	353.31	6	56.48
1/4		1/4		1/4	3,063.30	1/4	2,760.28	1/4	2,456.07	1/4	2,151.85	1/4	1,847.59	1/4	1,543.40	1/4	1,241.53	1/4	941.89	1/4	650.20	1/4	347.19	1/4	50.44
1/2		1/2		1/2	3,057.00	1/2	2,753.94	1/2	2,449.73	1/2	2,145.52	1/2	1,841.25	1/2	1,537.06	1/2	1,235.32	1/2	935.85	1/2	643.86	1/2	341.07	1/2	44.40
3/4		3/4		3/4	3,050.70	3/4	2,747.61	3/4	2,443.39	3/4	2,139.18	3/4	1,834.91	3/4	1,530.72	3/4	1,229.11	3/4	929.80	3/4	637.52	3/4	334.95	3/4	38.36
7		7		7	3,044.41	7	2,741.27	7	2,437.05	7	2,132.84	7	1,828.58	7	1,524.38	7	1,222.90	7	923.75	7	631.18	7	328.82	7	33.19
1/4		1/4		1/4	3,038.11	1/4	2,734.93	1/4	2,430.72	1/4	2,126.50	1/4	1,822.24	1/4	1,518.04	1/4	1,216.70	1/4	917.71	1/4	624.84	1/4	322.70	1/4	28.02
1/2		1/2		1/2	3,031.81	1/2	2,728.59	1/2	2,424.38	1/2	2,120.16	1/2	1,815.90	1/2	1,511.70	1/2	1,210.49	1/2	911.67	1/2	618.50	1/2	316.58	1/2	22.85
3/4		3/4		3/4	3,025.51	3/4	2,722.26	3/4	2,418.04	3/4	2,113.82	3/4	1,809.56	3/4	1,505.37	3/4	1,204.28	3/4	905.63	3/4	612.16	3/4	310.46	3/4	17.68
8		8		8	3,019.21	8	2,715.92	8	2,411.71	8	2,107.48	8	1,803.22	8	1,499.03	8	1,197.94	8	899.59	8	605.82	8	304.35	8	
1/4		1/4		1/4	3,012.92	1/4	2,709.58	1/4	2,405.38	1/4	2,101.14	1/4	1,796.88	1/4	1,492.69	1/4	1,191.60	1/4	893.55	1/4	599.48	1/4	298.24	1/4	
1/2		1/2		1/2	3,006.62	1/2	2,703.24	1/2	2,399.04	1/2	2,094.80	1/2	1,790.54	1/2	1,486.35	1/2	1,185.26	1/2	887.51	1/2	593.14	1/2	292.12	1/2	
3/4		3/4		3/4	3,000.32	3/4	2,696.90	3/4	2,392.71	3/4	2,088.47	3/4	1,784.20	3/4	1,480.01	3/4	1,178.92	3/4	881.47	3/4	586.80	3/4	286.01	3/4	
9		9		9	2,994.02	9	2,690.57	9	2,386.38	9	2,082.13	9	1,777.86	9	1,473.67	9	1,172.58	9	875.42	9	580.46	9	279.90	9	
1/4		1/4		1/4	2,987.73	1/4	2,684.23	1/4	2,380.04	1/4	2,075.79	1/4	1,771.53	1/4	1,467.33	1/4	1,166.24	1/4	869.38	1/4	574.12	1/4	273.79	1/4	
1/2		1/2		1/2	2,981.43	1/2	2,677.89	1/2	2,373.71	1/2	2,069.45	1/2	1,765.19	1/2	1,460.99	1/2	1,159.90	1/2	863.34	1/2	567.78	1/2	267.68	1/2	
3/4		3/4		3/4	2,975.13	3/4	2,671.55	3/4	2,367.37	3/4	2,063.11	3/4	1,758.85	3/4	1,454.65	3/4	1,153.56	3/4	857.30	3/4	561.44	3/4	261.57	3/4	
10		10		10	2,968.83	10	2,665.22	10	2,356.03	10	2,056.77	10	1,752.51	10	1,448.31	10	1,147.22	10	851.26	10	555.10	10	255.24	10	
1/4		1/4		1/4	2,962.53	1/4	2,658.88	1/4	2,354.70	1/4	2,050.43	1/4	1,746.17	1/4	1,441.97	1/4	1,140.88	1/4	845.22	1/4	548.76	1/4	248.91	1/4	
1/2		1/2		1/2	2,956.24	1/2	2,652.54	1/2	2,348.36	1/2	2,044.09	1/2	1,739.83	1/2	1,435.64	1/2	1,134.54	1/2	839.18	1/2	542.52	1/2	242.58	1/2	
3/4		3/4		3/4	2,949.94	3/4	2,646.20	3/4	2,342.02	3/4	2,037.76	3/4	1,733.49	3/4	1,429.30	3/4	1,128.20	3/4	833.14	3/4	536.08	3/4	236.25	3/4	
11		11		11	2,943.64	11	2,639.86	11	2,335.68	11	2,031.42	11	1,727.15	11	1,422.96	11	1,121.86	11	827.11	11	529.74	11	229.93	11	
1/4		1/4		1/4	2,937.34	1/4	2,633.53	1/4	2,329.34	1/4	2,025.08	1/4	1,720.82	1/4	1,416.62	1/4	1,115.52	1/4	821.07	1/4	523.40	1/4	223.61	1/4	
1/2		1/2		1/2	2,931.04	1/2	2,627.19	1/2	2,323.00	1/2	2,018.74	1/2	1,714.48	1/2	1,410.28	1/2	1,109.18	1/2	815.03	1/2	517.06	1/2	217.29	1/2	
3/4		3/4		3/4	2,924.75	3/4	2,620.85	3/4	2,316.66	3/4	2,012.40	3/4	1,708.14	3/4	1,403.94	3/4	1,102.84	3/4	808.99	3/4	510.72	3/4	210.97	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY



BARGE "MM 14B"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.		
0		0		0	2,912.96	0	2,609.60	0	2,306.01	0	2,002.33	0	1,698.64	0	1,395.02	0	1,094.50	0	801.53	0	503.52	0	204.32		
1/4		1/4		1/4	2,906.68	1/4	2,603.28	1/4	2,299.68	1/4	1,996.00	1/4	1,692.31	1/4	1,388.70	1/4	1,088.17	1/4	795.50	1/4	497.20	1/4	198.01		
1/2		1/2		1/2	3,191.39	1/2	2,900.39	1/2	2,596.95	1/2	2,293.36	1/2	1,989.67	1/2	1,685.99	1/2	1,382.37	1/2	1,081.84	1/2	789.47	1/2	490.87	1/2	191.71
3/4		3/4		3/4	3,187.70	3/4	2,894.10	3/4	2,590.63	3/4	2,287.03	3/4	1,983.34	3/4	1,679.66	3/4	1,376.04	3/4	1,075.51	3/4	783.45	3/4	484.54	3/4	185.40
1		1		1	3,182.96	1	2,887.82	1	2,584.30	1	2,280.70	1	1,977.02	1	1,673.33	1	1,369.72	1	1,069.19	1	777.42	1	478.21	1	179.09
1/4		1/4		1/4	3,178.21	1/4	2,881.53	1/4	2,577.97	1/4	2,274.38	1/4	1,970.69	1/4	1,667.00	1/4	1,363.39	1/4	1,062.86	1/4	771.40	1/4	471.89	1/4	172.79
1/2		1/2		1/2	3,173.47	1/2	2,875.25	1/2	2,571.65	1/2	2,268.05	1/2	1,964.36	1/2	1,660.68	1/2	1,357.06	1/2	1,056.53	1/2	765.37	1/2	465.56	1/2	166.48
3/4		3/4		3/4	3,168.72	3/4	2,868.96	3/4	2,565.32	3/4	2,261.72	3/4	1,958.04	3/4	1,654.35	3/4	1,350.74	3/4	1,050.20	3/4	759.35	3/4	459.23	3/4	160.17
2		2		2	3,162.92	2	2,862.64	2	2,559.00	2	2,255.40	2	1,951.71	2	1,648.02	2	1,344.54	2	1,043.87	2	753.32	2	452.90	2	153.97
1/4		1/4		1/4	3,157.12	1/4	2,856.31	1/4	2,552.67	1/4	2,249.07	1/4	1,945.38	1/4	1,641.70	1/4	1,338.34	1/4	1,037.55	1/4	747.29	1/4	446.57	1/4	147.76
1/2		1/2		1/2	3,151.33	1/2	2,849.98	1/2	2,546.35	1/2	2,242.74	1/2	1,939.06	1/2	1,635.37	1/2	1,332.15	1/2	1,031.22	1/2	741.27	1/2	440.25	1/2	141.56
3/4		3/4		3/4	3,145.53	3/4	2,843.66	3/4	2,540.02	3/4	2,236.42	3/4	1,932.73	3/4	1,629.04	3/4	1,325.95	3/4	1,024.89	3/4	735.24	3/4	433.92	3/4	135.35
3		3		3	3,139.24	3	2,837.33	3	2,533.69	3	2,230.09	3	1,926.40	3	1,622.72	3	1,319.76	3	1,018.83	3	729.22	3	427.59	3	129.26
1/4		1/4		1/4	3,132.96	1/4	2,831.01	1/4	2,527.37	1/4	2,223.76	1/4	1,920.08	1/4	1,616.39	1/4	1,313.56	1/4	1,012.77	1/4	723.19	1/4	421.26	1/4	123.17
1/2		1/2		1/2	3,126.67	1/2	2,824.68	1/2	2,521.04	1/2	2,217.44	1/2	1,913.75	1/2	1,610.06	1/2	1,307.37	1/2	1,006.71	1/2	717.17	1/2	414.94	1/2	117.09
3/4		3/4		3/4	3,120.39	3/4	2,818.36	3/4	2,514.72	3/4	2,211.11	3/4	1,907.42	3/4	1,603.74	3/4	1,301.17	3/4	1,000.65	3/4	711.14	3/4	408.61	3/4	111.00
4		4		4	3,114.10	4	2,812.03	4	2,508.39	4	2,204.78	4	1,901.10	4	1,597.42	4	1,294.98	4	994.59	4	705.11	4	402.28	4	104.92
1/4		1/4		1/4	3,107.81	1/4	2,805.70	1/4	2,502.07	1/4	2,198.46	1/4	1,894.77	1/4	1,591.10	1/4	1,288.79	1/4	988.54	1/4	699.08	1/4	395.95	1/4	98.84
1/2		1/2		1/2	3,101.53	1/2	2,799.38	1/2	2,495.74	1/2	2,192.13	1/2	1,888.44	1/2	1,584.78	1/2	1,282.60	1/2	982.48	1/2	693.06	1/2	389.62	1/2	92.77
3/4		3/4		3/4	3,095.24	3/4	2,793.05	3/4	2,489.41	3/4	2,185.80	3/4	1,882.12	3/4	1,578.47	3/4	1,276.41	3/4	976.42	3/4	687.03	3/4	383.30	3/4	86.69
5		5		5	3,088.96	5	2,786.73	5	2,483.09	5	2,179.48	5	1,875.79	5	1,572.15	5	1,270.21	5	970.38	5	680.70	5	377.18	5	80.63
1/4		1/4		1/4	3,082.67	1/4	2,780.40	1/4	2,476.76	1/4	2,173.15	1/4	1,869.46	1/4	1,565.83	1/4	1,264.02	1/4	964.34	1/4	674.37	1/4	371.07	1/4	74.56
1/2		1/2		1/2	3,076.39	1/2	2,774.07	1/2	2,470.44	1/2	2,166.82	1/2	1,863.14	1/2	1,559.51	1/2	1,257.83	1/2	958.31	1/2	668.04	1/2	364.96	1/2	68.49
3/4		3/4		3/4	3,070.10	3/4	2,767.75	3/4	2,464.11	3/4	2,160.50	3/4	1,856.81	3/4	1,553.20	3/4	1,251.64	3/4	952.27	3/4	661.72	3/4	358.85	3/4	62.43
6		6		6	3,063.82	6	2,761.42	6	2,457.78	6	2,154.17	6	1,850.48	6	1,546.87	6	1,245.44	6	946.23	6	655.39	6	352.73	6	56.39
1/4		1/4		1/4	3,057.53	1/4	2,755.10	1/4	2,451.46	1/4	2,147.84	1/4	1,844.16	1/4	1,540.54	1/4	1,239.25	1/4	940.19	1/4	649.06	1/4	346.62	1/4	50.36
1/2		1/2		1/2	3,051.24	1/2	2,748.77	1/2	2,445.13	1/2	2,141.51	1/2	1,837.83	1/2	1,534.22	1/2	1,233.05	1/2	934.16	1/2	642.73	1/2	340.51	1/2	44.33
3/4		3/4		3/4	3,044.96	3/4	2,742.45	3/4	2,438.81	3/4	2,135.19	3/4	1,831.50	3/4	1,527.89	3/4	1,226.86	3/4	928.12	3/4	636.41	3/4	334.39	3/4	38.30
7		7		7	3,038.67	7	2,736.12	7	2,432.48	7	2,128.86	7	1,825.17	7	1,521.56	7	1,220.66	7	922.09	7	630.08	7	328.28	7	33.14
1/4		1/4		1/4	3,032.39	1/4	2,729.79	1/4	2,426.16	1/4	2,122.53	1/4	1,818.85	1/4	1,515.23	1/4	1,214.47	1/4	916.06	1/4	623.75	1/4	322.17	1/4	27.97
1/2		1/2		1/2	3,026.10	1/2	2,723.47	1/2	2,419.83	1/2	2,116.21	1/2	1,812.52	1/2	1,508.91	1/2	1,208.27	1/2	910.03	1/2	617.42	1/2	316.06	1/2	22.81
3/4		3/4		3/4	3,019.82	3/4	2,717.14	3/4	2,413.50	3/4	2,109.88	3/4	1,806.19	3/4	1,502.58	3/4	1,202.07	3/4	904.00	3/4	611.09	3/4	309.94	3/4	17.65
8		8		8	3,013.53	8	2,710.82	8	2,407.18	8	2,103.55	8	1,799.87	8	1,496.25	8	1,195.75	8	897.97	8	604.77	8	303.84	8	11.11
1/4		1/4		1/4	3,007.24	1/4	2,704.49	1/4	2,400.86	1/4	2,097.23	1/4	1,793.54	1/4	1,489.93	1/4	1,189.42	1/4	891.94	1/4	598.44	1/4	297.74	1/4	6.84
1/2		1/2		1/2	3,000.96	1/2	2,698.17	1/2	2,394.54	1/2	2,090.90	1/2	1,787.21	1/2	1,483.60	1/2	1,183.09	1/2	885.91	1/2	592.11	1/2	291.64	1/2	2.59
3/4		3/4		3/4	2,994.67	3/4	2,691.84	3/4	2,388.22	3/4	2,084.57	3/4	1,780.89	3/4	1,477.27	3/4	1,176.76	3/4	879.88	3/4	585.78	3/4	285.53	3/4	1.24
9		9		9	2,988.39	9	2,685.51	9	2,381.91	9	2,078.25	9	1,774.56	9	1,470.95	9	1,170.43	9	873.85	9	579.46	9	279.43	9	0.89
1/4		1/4		1/4	2,982.10	1/4	2,679.19	1/4	2,375.59	1/4	2,071.92	1/4	1,768.23	1/4	1,464.62	1/4	1,164.11	1/4	867.82	1/4	573.13	1/4	273.33	1/4	0.54
1/2		1/2		1/2	2,975.82	1/2	2,672.86	1/2	2,369.27	1/2	2,065.59	1/2	1,761.91	1/2	1,458.29	1/2	1,157.78	1/2	861.79	1/2	566.80	1/2	267.23	1/2	0.19
3/4		3/4		3/4	2,969.53	3/4	2,666.54	3/4	2,362.95	3/4	2,059.27	3/4	1,755.58	3/4	1,451.97	3/4	1,151.45	3/4	855.76	3/4	560.47	3/4	261.12	3/4	0.84
10		10		10	2,963.25	10	2,660.21	10	2,356.63	10	2,052.94	10	1,749.25	10	1,445.64	10	1,145.12	10	849.74	10	554.15	10	254.81	10	0.49
1/4		1/4		1/4	2,956.96	1/4	2,653.88	1/4	2,350.30	1/4	2,046.61	1/4	1,742.93	1/4	1,439.31	1/4	1,138.79	1/4	843.71	1/4	547.82	1/4	248.49	1/4	0.14
1/2		1/2		1/2	2,950.67	1/2	2,647.56	1/2	2,343.97	1/2	2,040.29	1/2	1,736.60	1/2	1,432.98	1/2	1,132.47	1/2	837.68	1/2	541.49	1/2	242.17	1/2	0.79
3/4		3/4		3/4	2,944.39	3/4	2,641.23	3/4	2,337.65	3/4	2,033.96	3/4	1,730.27	3/4	1,426.66	3/4	1,126.14	3/4	831.65	3/4	535.16	3/4	235.85	3/4	0.44
11		11		11	2,938.10	11	2,634.91	11	2,331.32	11	2,027.63	11	1,723.95	11	1,420.33	11	1,119.81	11	825.63	11	528.83	11	229.55	11	0.09
1/4		1/4		1/4	2,931.82	1/4	2,628.58	1/4	2,324.99	1/4	2,021.31	1/4	1,717.62	1/4	1,414.00	1/4	1,113.48	1/4	819.60	1/4	522.51	1/4	223.24	1/4	0.74
1/2		1/2		1/2	2,925.53	1/2	2,622.26	1/2	2,318.67	1/2	2,014.98	1/2	1,711.29	1/2	1,407.68	1/2	1,107.15	1/2	813.58	1/2	516.18	1/2	216.93	1/2	0.39
3/4		3/4		3/4	2,919.25	3/4	2,615.93	3/4	2,312.34	3/4	2,008.65	3/4	1,704.97	3/4	1,401.35	3/4	1,100.83	3/4	807.55	3/4	509.85	3/4	210.63	3/4	0.04

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES.

GAUGE POINT: (MMC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-0



BARGE "MM 14B"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.
0	0	0	0	0	2,922.57	0	2,619.09	0	2,315.41	0	2,011.63	0	1,707.86	0	1,404.16	0	1,103.54	0	800.57	0	497.34	0	198.07
1/4	1/4	1/4	3,207.37	1/4	2,916.28	1/4	2,612.76	1/4	2,309.08	1/4	2,005.30	1/4	1,701.53	1/4	1,397.83	1/4	1,097.21	1/4	794.27	1/4	491.01	1/4	191.76
1/2	1/2	1/2	3,203.68	1/2	2,909.99	1/2	2,606.43	1/2	2,302.75	1/2	1,998.98	1/2	1,695.20	1/2	1,391.50	1/2	1,090.89	1/2	787.97	1/2	484.68	1/2	185.45
3/4	3/4	3/4	3,198.93	3/4	2,903.70	3/4	2,600.10	3/4	2,296.42	3/4	1,992.65	3/4	1,688.87	3/4	1,385.17	3/4	1,084.56	3/4	781.68	3/4	478.35	3/4	179.14
1	1	1	3,194.19	1	2,897.42	1	2,593.78	1	2,290.09	1	1,986.32	1	1,682.55	1	1,378.84	1	1,078.23	1	775.38	1	472.02	1	172.83
1/4	1/4	1/4	3,189.44	1/4	2,891.13	1/4	2,587.45	1/4	2,283.76	1/4	1,979.99	1/4	1,676.22	1/4	1,372.51	1/4	1,071.90	1/4	769.08	1/4	465.69	1/4	166.52
1/2	1/2	1/2	3,184.70	1/2	2,884.84	1/2	2,581.12	1/2	2,277.43	1/2	1,973.66	1/2	1,669.89	1/2	1,366.18	1/2	1,065.57	1/2	762.79	1/2	459.36	1/2	160.21
3/4	3/4	3/4	3,178.89	3/4	2,878.51	3/4	2,574.79	3/4	2,271.11	3/4	1,967.33	3/4	1,663.56	3/4	1,359.99	3/4	1,059.24	3/4	756.49	3/4	453.03	3/4	154.01
2	2	2	3,173.09	2	2,872.19	2	2,568.47	2	2,264.78	2	1,961.00	2	1,657.23	2	1,353.79	2	1,052.91	2	750.19	2	446.70	2	147.80
1/4	1/4	1/4	3,167.29	1/4	2,865.86	1/4	2,562.14	1/4	2,258.45	1/4	1,954.68	1/4	1,650.90	1/4	1,347.59	1/4	1,046.58	1/4	743.90	1/4	440.37	1/4	141.59
1/2	1/2	1/2	3,161.49	1/2	2,859.53	1/2	2,555.81	1/2	2,252.12	1/2	1,948.35	1/2	1,644.57	1/2	1,341.40	1/2	1,040.25	1/2	737.60	1/2	434.04	1/2	135.39
3/4	3/4	3/4	3,155.21	3/4	2,853.20	3/4	2,549.48	3/4	2,245.79	3/4	1,942.02	3/4	1,638.25	3/4	1,335.20	3/4	1,033.92	3/4	731.31	3/4	427.71	3/4	129.30
3	3	3	3,148.92	3	2,846.88	3	2,543.16	3	2,239.46	3	1,935.69	3	1,631.92	3	1,329.00	3	1,027.59	3	725.01	3	421.38	3	123.20
1/4	1/4	1/4	3,142.63	1/4	2,840.55	1/4	2,536.83	1/4	2,233.13	1/4	1,929.36	1/4	1,625.59	1/4	1,322.81	1/4	1,021.26	1/4	718.71	1/4	415.05	1/4	117.11
1/2	1/2	1/2	3,136.34	1/2	2,834.22	1/2	2,530.50	1/2	2,226.81	1/2	1,923.03	1/2	1,619.26	1/2	1,316.61	1/2	1,014.93	1/2	712.42	1/2	408.72	1/2	111.02
3/4	3/4	3/4	3,130.06	3/4	2,827.89	3/4	2,524.17	3/4	2,220.48	3/4	1,916.70	3/4	1,612.94	3/4	1,310.42	3/4	1,008.60	3/4	706.12	3/4	402.39	3/4	104.95
4	4	4	3,123.77	4	2,821.57	4	2,517.85	4	2,214.15	4	1,910.38	4	1,606.62	4	1,304.22	4	1,002.27	4	699.82	4	396.06	4	98.87
1/4	1/4	1/4	3,117.48	1/4	2,815.24	1/4	2,511.52	1/4	2,207.82	1/4	1,904.05	1/4	1,600.30	1/4	1,298.03	1/4	995.94	1/4	693.52	1/4	389.73	1/4	92.79
1/2	1/2	1/2	3,111.19	1/2	2,808.91	1/2	2,505.19	1/2	2,201.49	1/2	1,897.72	1/2	1,593.98	1/2	1,291.83	1/2	989.61	1/2	687.22	1/2	383.40	1/2	86.71
3/4	3/4	3/4	3,104.91	3/4	2,802.58	3/4	2,498.86	3/4	2,195.16	3/4	1,891.39	3/4	1,587.66	3/4	1,285.64	3/4	983.30	3/4	680.89	3/4	377.29	3/4	80.64
5	5	5	3,098.62	5	2,796.26	5	2,492.54	5	2,188.83	5	1,885.06	5	1,581.34	5	1,279.45	5	976.99	5	674.56	5	371.17	5	74.58
1/4	1/4	1/4	3,092.33	1/4	2,789.93	1/4	2,486.21	1/4	2,182.51	1/4	1,878.73	1/4	1,575.03	1/4	1,273.25	1/4	970.68	1/4	668.23	1/4	365.06	1/4	68.51
1/2	1/2	1/2	3,086.04	1/2	2,783.60	1/2	2,479.88	1/2	2,176.18	1/2	1,872.40	1/2	1,568.71	1/2	1,267.06	1/2	964.37	1/2	661.90	1/2	358.94	1/2	62.44
3/4	3/4	3/4	3,079.76	3/4	2,777.27	3/4	2,473.55	3/4	2,169.85	3/4	1,866.08	3/4	1,562.38	3/4	1,260.86	3/4	958.07	3/4	655.58	3/4	352.83	3/4	56.41
6	6	6	3,073.47	6	2,770.95	6	2,467.23	6	2,163.52	6	1,859.75	6	1,556.05	6	1,254.67	6	951.76	6	649.25	6	346.71	6	50.37
1/4	1/4	1/4	3,067.18	1/4	2,764.62	1/4	2,460.90	1/4	2,157.19	1/4	1,853.42	1/4	1,549.72	1/4	1,248.47	1/4	945.45	1/4	642.92	1/4	340.60	1/4	44.34
1/2	1/2	1/2	3,060.89	1/2	2,758.29	1/2	2,454.57	1/2	2,150.86	1/2	1,847.09	1/2	1,543.39	1/2	1,242.27	1/2	939.14	1/2	636.59	1/2	334.49	1/2	38.30
3/4	3/4	3/4	3,054.61	3/4	2,751.96	3/4	2,448.24	3/4	2,144.53	3/4	1,840.76	3/4	1,537.06	3/4	1,236.07	3/4	932.84	3/4	630.26	3/4	328.37	3/4	33.14
7	7	7	3,048.32	7	2,745.64	7	2,441.92	7	2,138.21	7	1,834.43	7	1,530.73	7	1,229.88	7	926.54	7	623.93	7	322.26	7	27.98
1/4	1/4	1/4	3,042.03	1/4	2,739.31	1/4	2,435.59	1/4	2,131.88	1/4	1,828.10	1/4	1,524.40	1/4	1,223.68	1/4	920.24	1/4	617.60	1/4	316.14	1/4	22.81
1/2	1/2	1/2	3,035.74	1/2	2,732.98	1/2	2,429.26	1/2	2,125.55	1/2	1,821.78	1/2	1,518.08	1/2	1,217.48	1/2	913.94	1/2	611.27	1/2	310.03	1/2	17.65
3/4	3/4	3/4	3,029.46	3/4	2,726.65	3/4	2,422.94	3/4	2,119.22	3/4	1,815.45	3/4	1,511.75	3/4	1,211.15	3/4	907.64	3/4	604.94	3/4	303.92	3/4	---
8	8	8	3,023.17	8	2,720.33	8	2,416.62	8	2,112.89	8	1,809.12	8	1,505.42	8	1,204.82	8	901.34	8	598.61	8	297.82	8	---
1/4	1/4	1/4	3,016.88	1/4	2,714.00	1/4	2,410.29	1/4	2,106.56	1/4	1,802.79	1/4	1,499.09	1/4	1,198.49	1/4	895.04	1/4	592.28	1/4	291.71	1/4	---
1/2	1/2	1/2	3,010.59	1/2	2,707.67	1/2	2,403.97	1/2	2,100.23	1/2	1,796.46	1/2	1,492.76	1/2	1,192.16	1/2	888.74	1/2	585.95	1/2	285.61	1/2	---
3/4	3/4	3/4	3,004.30	3/4	2,701.34	3/4	2,397.65	3/4	2,093.90	3/4	1,790.13	3/4	1,486.43	3/4	1,185.83	3/4	882.44	3/4	579.62	3/4	279.51	3/4	---
9	9	9	2,998.02	9	2,695.02	9	2,391.33	9	2,087.58	9	1,783.80	9	1,480.10	9	1,179.50	9	876.14	9	573.29	9	273.40	9	---
1/4	1/4	1/4	2,991.73	1/4	2,688.69	1/4	2,385.01	1/4	2,081.25	1/4	1,777.47	1/4	1,473.77	1/4	1,173.17	1/4	869.84	1/4	566.96	1/4	267.30	1/4	---
1/2	1/2	1/2	2,985.44	1/2	2,682.36	1/2	2,378.69	1/2	2,074.92	1/2	1,771.15	1/2	1,467.45	1/2	1,166.84	1/2	863.54	1/2	560.63	1/2	261.19	1/2	---
3/4	3/4	3/4	2,979.15	3/4	2,676.03	3/4	2,372.36	3/4	2,068.59	3/4	1,764.82	3/4	1,461.12	3/4	1,160.51	3/4	857.24	3/4	554.30	3/4	254.88	3/4	---
10	10	10	2,972.87	10	2,669.71	10	2,366.03	10	2,062.26	10	1,758.49	10	1,454.79	10	1,154.18	10	850.94	10	547.97	10	248.56	10	---
1/4	1/4	1/4	2,966.58	1/4	2,663.38	1/4	2,359.71	1/4	2,055.93	1/4	1,752.16	1/4	1,448.46	1/4	1,147.85	1/4	844.64	1/4	541.64	1/4	242.24	1/4	---
1/2	1/2	1/2	2,960.29	1/2	2,657.05	1/2	2,353.38	1/2	2,049.60	1/2	1,745.83	1/2	1,442.13	1/2	1,141.52	1/2	838.34	1/2	535.31	1/2	235.92	1/2	---
3/4	3/4	3/4	2,954.00	3/4	2,650.72	3/4	2,347.05	3/4	2,043.28	3/4	1,739.50	3/4	1,435.80	3/4	1,135.19	3/4	832.05	3/4	528.98	3/4	229.61	3/4	---
11	11	11	2,947.72	11	2,644.40	11	2,340.72	11	2,036.95	11	1,733.17	11	1,429.47	11	1,128.86	11	825.75	11	522.65	11	223.30	11	---
1/4	1/4	1/4	2,941.43	1/4	2,638.07	1/4	2,334.39	1/4	2,030.62	1/4	1,726.85	1/4	1,423.14	1/4	1,122.53	1/4	819.45	1/4	516.32	1/4	216.99	1/4	---
1/2	1/2	1/2	2,935.14	1/2	2,631.74	1/2	2,328.06	1/2	2,024.29	1/2	1,720.52	1/2	1,416.82	1/2	1,116.20	1/2	813.16	1/2	509.99	1/2	210.68	1/2	---
3/4	3/4	3/4	2,928.85	3/4	2,625.41	3/4	2,321.73	3/4	2,017.96	3/4	1,714.19	3/4	1,410.49	3/4	1,109.87	3/4	806.86	3/4	503.66	3/4	204.37	3/4	---

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES.

GAUGE POINT: (MMC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-00" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-06" FORWARD OF AFT BULKHEAD.

STRAPPED: 01/07/2016 CL
CALCULATED: 01/08/2016 CL
PRINTED: 01/09/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2016

PRECISION MEASUREMENT
& ANALYSIS



BARGE "MM 14B"

4 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 1/4"

Table with 24 columns (0 FT. to 11 FT.) and 24 rows (0 to 3 3/4). Each cell contains capacity values for different gauge heights (0, 1/4, 1/2, 3/4).

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL. CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK. CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES.

GAUGE POINT: (MMC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 47'-06" FORWARD OF AFT BULKHEAD. GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 49'-00" FORWARD OF AFT BULKHEAD.

STRAPPED: 01/07/2016 CL
CALCULATED: 01/08/2016 CL
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CANCELS AND SUPERCEDES ALL PRIOR TO 01/2016

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

Signature of PMA representative



BARGE "MM 14B"

4 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.
0		0		0	2,886.00	0	2,587.72	0	2,289.23	0	1,990.87	0	1,693.77	0	1,397.28	0	1,101.33	0	803.20	0	504.72	0	202.32
1/4		1/4	3,166.37	1/4	2,879.82	1/4	2,581.50	1/4	2,283.01	1/4	1,984.65	1/4	1,687.62	1/4	1,391.05	1/4	1,095.10	1/4	797.00	1/4	498.45	1/4	196.05
1/2		1/2	3,162.70	1/2	2,873.64	1/2	2,575.28	1/2	2,276.79	1/2	1,978.43	1/2	1,681.47	1/2	1,384.83	1/2	1,088.87	1/2	790.81	1/2	492.17	1/2	189.79
3/4		3/4	3,157.99	3/4	2,867.46	3/4	2,569.06	3/4	2,270.57	3/4	1,972.21	3/4	1,675.32	3/4	1,378.60	3/4	1,082.64	3/4	784.61	3/4	485.90	3/4	183.52
1		1	3,153.28	1	2,861.28	1	2,562.84	1	2,264.35	1	1,965.99	1	1,669.17	1	1,372.38	1	1,076.41	1	778.42	1	479.62	1	177.25
1/4		1/4	3,148.57	1/4	2,855.10	1/4	2,556.62	1/4	2,258.13	1/4	1,959.76	1/4	1,663.02	1/4	1,366.15	1/4	1,070.19	1/4	772.22	1/4	473.35	1/4	170.99
1/2		1/2	3,143.85	1/2	2,848.93	1/2	2,550.40	1/2	2,251.91	1/2	1,953.54	1/2	1,656.87	1/2	1,359.92	1/2	1,063.96	1/2	766.03	1/2	467.07	1/2	164.72
3/4		3/4	3,138.09	3/4	2,842.71	3/4	2,544.18	3/4	2,245.69	3/4	1,947.32	3/4	1,650.72	3/4	1,353.82	3/4	1,057.73	3/4	759.83	3/4	460.80	3/4	158.42
2		2	3,132.33	2	2,836.49	2	2,537.97	2	2,239.47	2	1,941.10	2	1,644.58	2	1,347.71	2	1,051.50	2	753.64	2	454.52	2	152.11
1/4		1/4	3,126.57	1/4	2,830.27	1/4	2,531.75	1/4	2,233.25	1/4	1,934.88	1/4	1,638.43	1/4	1,341.60	1/4	1,045.27	1/4	747.44	1/4	448.25	1/4	145.81
1/2		1/2	3,120.81	1/2	2,824.05	1/2	2,525.53	1/2	2,227.03	1/2	1,928.66	1/2	1,632.28	1/2	1,335.50	1/2	1,039.04	1/2	741.24	1/2	441.98	1/2	139.50
3/4		3/4	3,114.63	3/4	2,817.83	3/4	2,519.31	3/4	2,220.82	3/4	1,922.43	3/4	1,626.13	3/4	1,329.39	3/4	1,032.81	3/4	735.05	3/4	435.70	3/4	133.18
3		3	3,108.45	3	2,811.61	3	2,513.09	3	2,214.61	3	1,916.21	3	1,619.98	3	1,323.28	3	1,026.58	3	728.85	3	429.43	3	126.85
1/4		1/4	3,102.27	1/4	2,805.39	1/4	2,506.87	1/4	2,208.39	1/4	1,909.99	1/4	1,613.83	1/4	1,317.17	1/4	1,020.36	1/4	722.66	1/4	423.16	1/4	120.52
1/2		1/2	3,096.09	1/2	2,799.17	1/2	2,500.65	1/2	2,202.18	1/2	1,903.77	1/2	1,607.68	1/2	1,311.07	1/2	1,014.13	1/2	716.46	1/2	416.88	1/2	114.19
3/4		3/4	3,089.91	3/4	2,792.95	3/4	2,494.43	3/4	2,195.97	3/4	1,897.55	3/4	1,601.54	3/4	1,304.97	3/4	1,007.90	3/4	710.26	3/4	410.61	3/4	107.87
4		4	3,083.73	4	2,786.73	4	2,488.21	4	2,189.75	4	1,891.33	4	1,595.40	4	1,298.88	4	1,001.67	4	704.07	4	404.34	4	101.56
1/4		1/4	3,077.55	1/4	2,780.51	1/4	2,481.99	1/4	2,183.54	1/4	1,885.10	1/4	1,589.26	1/4	1,292.78	1/4	995.44	1/4	697.87	1/4	398.06	1/4	95.24
1/2		1/2	3,071.37	1/2	2,774.29	1/2	2,475.77	1/2	2,177.32	1/2	1,878.88	1/2	1,583.12	1/2	1,286.69	1/2	989.21	1/2	691.67	1/2	391.79	1/2	88.93
3/4		3/4	3,065.19	3/4	2,768.08	3/4	2,469.55	3/4	2,171.11	3/4	1,872.66	3/4	1,576.99	3/4	1,280.59	3/4	983.00	3/4	685.44	3/4	385.45	3/4	82.62
5		5	3,059.01	5	2,761.86	5	2,463.33	5	2,164.90	5	1,866.44	5	1,570.86	5	1,274.50	5	976.80	5	679.21	5	379.11	5	76.31
1/4		1/4	3,052.84	1/4	2,755.64	1/4	2,457.12	1/4	2,158.68	1/4	1,860.22	1/4	1,564.73	1/4	1,268.40	1/4	970.59	1/4	672.99	1/4	372.77	1/4	70.01
1/2		1/2	3,046.66	1/2	2,749.42	1/2	2,450.90	1/2	2,152.47	1/2	1,854.00	1/2	1,558.59	1/2	1,262.31	1/2	964.38	1/2	666.76	1/2	366.43	1/2	63.70
3/4		3/4	3,040.48	3/4	2,743.20	3/4	2,444.68	3/4	2,146.26	3/4	1,847.83	3/4	1,552.44	3/4	1,256.20	3/4	958.18	3/4	660.53	3/4	360.09	3/4	57.43
6		6	3,034.30	6	2,736.98	6	2,438.46	6	2,140.04	6	1,841.65	6	1,546.29	6	1,250.09	6	951.97	6	654.30	6	353.75	6	51.16
1/4		1/4	3,028.12	1/4	2,730.76	1/4	2,432.24	1/4	2,133.83	1/4	1,835.48	1/4	1,540.14	1/4	1,243.99	1/4	945.76	1/4	648.07	1/4	347.41	1/4	44.88
1/2		1/2	3,021.94	1/2	2,724.54	1/2	2,426.02	1/2	2,127.62	1/2	1,829.31	1/2	1,533.99	1/2	1,237.88	1/2	939.56	1/2	641.84	1/2	341.07	1/2	38.61
3/4		3/4	3,015.76	3/4	2,718.32	3/4	2,419.80	3/4	2,121.40	3/4	1,823.14	3/4	1,527.83	3/4	1,231.77	3/4	933.36	3/4	635.61	3/4	334.73	3/4	33.34
7		7	3,009.58	7	2,712.10	7	2,413.58	7	2,115.19	7	1,816.97	7	1,521.67	7	1,225.66	7	927.16	7	629.39	7	328.39	7	28.08
1/4		1/4	3,003.40	1/4	2,705.88	1/4	2,407.36	1/4	2,108.98	1/4	1,810.80	1/4	1,515.51	1/4	1,219.56	1/4	920.96	1/4	623.16	1/4	322.05	1/4	22.81
1/2		1/2	2,997.22	1/2	2,699.66	1/2	2,401.14	1/2	2,102.76	1/2	1,804.63	1/2	1,509.35	1/2	1,213.45	1/2	914.76	1/2	616.93	1/2	315.71	1/2	17.53
3/4		3/4	2,991.04	3/4	2,693.45	3/4	2,394.93	3/4	2,096.55	3/4	1,798.46	3/4	1,503.12	3/4	1,207.22	3/4	908.56	3/4	610.70	3/4	309.38	3/4	---
8		8	2,984.87	8	2,687.23	8	2,388.72	8	2,090.34	8	1,792.29	8	1,496.89	8	1,200.99	8	902.36	8	604.47	8	303.05	8	---
1/4		1/4	2,978.69	1/4	2,681.01	1/4	2,382.50	1/4	2,084.12	1/4	1,786.12	1/4	1,490.67	1/4	1,194.76	1/4	896.16	1/4	598.24	1/4	296.72	1/4	---
1/2		1/2	2,972.51	1/2	2,674.79	1/2	2,376.29	1/2	2,077.91	1/2	1,779.95	1/2	1,484.44	1/2	1,188.53	1/2	889.96	1/2	592.01	1/2	290.39	1/2	---
3/4		3/4	2,966.33	3/4	2,668.57	3/4	2,370.08	3/4	2,071.70	3/4	1,773.78	3/4	1,478.22	3/4	1,182.30	3/4	883.76	3/4	585.79	3/4	284.04	3/4	---
9		9	2,960.15	9	2,662.35	9	2,363.86	9	2,065.48	9	1,767.61	9	1,471.99	9	1,176.08	9	877.56	9	579.56	9	277.70	9	---
1/4		1/4	2,953.97	1/4	2,656.13	1/4	2,357.65	1/4	2,059.27	1/4	1,761.44	1/4	1,465.76	1/4	1,169.85	1/4	871.36	1/4	573.33	1/4	271.36	1/4	---
1/2		1/2	2,947.79	1/2	2,649.91	1/2	2,351.43	1/2	2,053.06	1/2	1,755.27	1/2	1,459.54	1/2	1,163.62	1/2	865.16	1/2	567.10	1/2	265.02	1/2	---
3/4		3/4	2,941.61	3/4	2,643.69	3/4	2,345.21	3/4	2,046.84	3/4	1,749.12	3/4	1,453.31	3/4	1,157.39	3/4	858.97	3/4	560.87	3/4	258.74	3/4	---
10		10	2,935.43	10	2,637.47	10	2,338.99	10	2,040.63	10	1,742.97	10	1,447.09	10	1,151.16	10	852.77	10	554.64	10	252.47	10	---
1/4		1/4	2,929.25	1/4	2,631.25	1/4	2,332.77	1/4	2,034.42	1/4	1,736.82	1/4	1,440.86	1/4	1,144.93	1/4	846.57	1/4	548.42	1/4	246.19	1/4	---
1/2		1/2	2,923.07	1/2	2,625.03	1/2	2,326.55	1/2	2,028.20	1/2	1,730.67	1/2	1,434.63	1/2	1,138.70	1/2	840.37	1/2	542.19	1/2	239.91	1/2	---
3/4		3/4	2,916.90	3/4	2,618.81	3/4	2,320.33	3/4	2,021.98	3/4	1,724.52	3/4	1,428.41	3/4	1,132.47	3/4	834.18	3/4	535.96	3/4	233.65	3/4	---
11		11	2,910.72	11	2,612.60	11	2,314.11	11	2,015.76	11	1,718.37	11	1,422.18	11	1,126.25	11	827.98	11	529.73	11	227.38	11	---
1/4		1/4	2,904.54	1/4	2,606.38	1/4	2,307.89	1/4	2,009.54	1/4	1,712.22	1/4	1,415.96	1/4	1,120.02	1/4	821.79	1/4	523.50	1/4	221.12	1/4	---
1/2		1/2	2,898.36	1/2	2,600.16	1/2	2,301.67	1/2	2,003.32	1/2	1,706.07	1/2	1,409.73	1/2	1,113.79	1/2	815.59	1/2	517.27	1/2	214.85	1/2	---
3/4		3/4	2,892.18	3/4	2,593.94	3/4	2,295.45	3/4	1,997.09	3/4	1,699.92	3/4	1,403.51	3/4	1,107.56	3/4	809.40	3/4	511.00	3/4	208.58	3/4	---

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES.

GAUGE POINT: (MMC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 47'-06" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 49'-00" FORWARD OF AFT BULKHEAD.

STRAPPED: 01/07/2016 CL
CALCULATED: 01/08/2016 CL
PRINTED: 01/09/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2016

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



BARGE "MM 14B"

ULLAGE TRIM TABLE 8" HATCH

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 283'-03"

January 7, 2016

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