



BARGE "MM 318"

ULLAGE TRIM TABLE HERMETIC

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

(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 4 PORT IS - 01-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 4 PORT, THE TRIM CORRECTED ULLAGE IS 3'-10 7/8"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

June 13, 2019

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

<http://www.pmacorp.net>



BARGE "MM 318"

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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-1/2	- 00-1/2
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
2 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
3 PORT	- 00-1/8	00-1/8	- 00-1/8	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
3 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	- 00-1/2	00-1/2
4 PORT	00-1/2	00-1/2	01-1/4	01-1/4	01-3/4	01-3/4	02-3/8	02-3/8	03-0/8	03-0/8	03-5/8	03-5/8
4 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-3/8	- 02-3/8	03-0/8	- 03-0/8	03-1/2	- 03-1/2

(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 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

June 13, 2019

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

<http://www.pmacorp.net>



BARGE "MM 318"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	3,432.07	0	3,193.42	0	2,947.05	0	2,700.68	0	2,453.63	0	2,206.39	0	1,959.14	0	1,711.90	0	1,464.66
1/4		1/4	3,428.70	1/4	3,188.29	1/4	2,941.92	1/4	2,695.55	1/4	2,448.48	1/4	2,201.24	1/4	1,953.99	1/4	1,706.75	1/4	1,459.51
1/2		1/2	3,424.48	1/2	3,183.15	1/2	2,936.78	1/2	2,690.41	1/2	2,443.33	1/2	2,196.09	1/2	1,948.84	1/2	1,701.60	1/2	1,454.36
3/4		3/4	3,420.26	3/4	3,178.02	3/4	2,931.65	3/4	2,685.28	3/4	2,438.18	3/4	2,190.93	3/4	1,943.69	3/4	1,696.45	3/4	1,449.20
1		1	3,416.03	1	3,172.89	1	2,926.52	1	2,680.15	1	2,433.03	1	2,185.78	1	1,938.54	1	1,691.30	1	1,444.05
1/4		1/4	3,411.81	1/4	3,167.76	1/4	2,921.39	1/4	2,675.02	1/4	2,427.88	1/4	2,180.63	1/4	1,933.39	1/4	1,686.15	1/4	1,438.90
1/2		1/2	3,406.96	1/2	3,162.62	1/2	2,916.25	1/2	2,669.88	1/2	2,422.72	1/2	2,175.48	1/2	1,928.24	1/2	1,681.00	1/2	1,433.75
3/4		3/4	3,402.10	3/4	3,157.49	3/4	2,911.12	3/4	2,664.75	3/4	2,417.57	3/4	2,170.33	3/4	1,923.09	3/4	1,675.84	3/4	1,428.60
2		2	3,397.25	2	3,152.36	2	2,905.99	2	2,659.62	2	2,412.42	2	2,165.18	2	1,917.94	2	1,670.69	2	1,423.45
1/4		1/4	3,392.40	1/4	3,147.22	1/4	2,900.85	1/4	2,654.49	1/4	2,407.27	1/4	2,160.03	1/4	1,912.79	1/4	1,665.54	1/4	1,418.30
1/2		1/2	3,387.33	1/2	3,142.09	1/2	2,895.72	1/2	2,649.34	1/2	2,402.12	1/2	2,154.88	1/2	1,907.63	1/2	1,660.39	1/2	1,413.15
3/4		3/4	3,382.26	3/4	3,136.96	3/4	2,890.59	3/4	2,644.20	3/4	2,396.97	3/4	2,149.73	3/4	1,902.48	3/4	1,655.24	3/4	1,408.00
3		3	3,377.20	3	3,131.83	3	2,885.46	3	2,639.05	3	2,391.82	3	2,144.58	3	1,897.33	3	1,650.09	3	1,402.85
1/4		1/4	3,372.13	1/4	3,126.69	1/4	2,880.32	1/4	2,633.91	1/4	2,386.67	1/4	2,139.43	1/4	1,892.18	1/4	1,644.94	1/4	1,397.70
1/2		1/2	3,367.05	1/2	3,121.56	1/2	2,875.19	1/2	2,628.76	1/2	2,381.52	1/2	2,134.27	1/2	1,887.03	1/2	1,639.79	1/2	1,392.54
3/4		3/4	3,361.98	3/4	3,116.43	3/4	2,870.06	3/4	2,623.61	3/4	2,376.37	3/4	2,129.12	3/4	1,881.88	3/4	1,634.64	3/4	1,387.39
4		4	3,356.90	4	3,111.30	4	2,864.93	4	2,618.46	4	2,371.22	4	2,123.97	4	1,876.73	4	1,629.49	4	1,382.24
1/4		1/4	3,351.82	1/4	3,106.16	1/4	2,859.79	1/4	2,613.31	1/4	2,366.06	1/4	2,118.82	1/4	1,871.58	1/4	1,624.34	1/4	1,377.09
1/2		1/2	3,346.74	1/2	3,101.03	1/2	2,854.66	1/2	2,608.16	1/2	2,360.91	1/2	2,113.67	1/2	1,866.43	1/2	1,619.18	1/2	1,371.94
3/4		3/4	3,341.66	3/4	3,095.90	3/4	2,849.53	3/4	2,603.01	3/4	2,355.76	3/4	2,108.52	3/4	1,861.28	3/4	1,614.03	3/4	1,366.79
5		5	3,336.58	5	3,090.76	5	2,844.40	5	2,597.86	5	2,350.61	5	2,103.37	5	1,856.13	5	1,608.88	5	1,361.64
1/4		1/4	3,331.50	1/4	3,085.63	1/4	2,839.26	1/4	2,592.70	1/4	2,345.46	1/4	2,098.22	1/4	1,850.97	1/4	1,603.73	1/4	1,356.49
1/2		1/2	3,326.41	1/2	3,080.50	1/2	2,834.13	1/2	2,587.55	1/2	2,340.31	1/2	2,093.07	1/2	1,845.82	1/2	1,598.58	1/2	1,351.34
3/4		3/4	3,321.33	3/4	3,075.37	3/4	2,829.00	3/4	2,582.40	3/4	2,335.16	3/4	2,087.92	3/4	1,840.67	3/4	1,593.43	3/4	1,346.19
6		6	3,316.25	6	3,070.23	6	2,823.86	6	2,577.25	6	2,330.01	6	2,082.77	6	1,835.52	6	1,588.28	6	1,341.04
1/4		1/4	3,311.17	1/4	3,065.10	1/4	2,818.73	1/4	2,572.10	1/4	2,324.86	1/4	2,077.61	1/4	1,830.37	1/4	1,583.13	1/4	1,335.88
1/2		1/2	3,306.09	1/2	3,059.97	1/2	2,813.60	1/2	2,566.95	1/2	2,319.71	1/2	2,072.46	1/2	1,825.22	1/2	1,577.98	1/2	1,330.73
3/4		3/4	3,301.01	3/4	3,054.84	3/4	2,808.47	3/4	2,561.80	3/4	2,314.56	3/4	2,067.31	3/4	1,820.07	3/4	1,572.83	3/4	1,325.58
7		7	3,295.92	7	3,049.70	7	2,803.33	7	2,556.65	7	2,309.40	7	2,062.16	7	1,814.92	7	1,567.68	7	1,320.43
1/4		1/4	3,290.84	1/4	3,044.57	1/4	2,798.20	1/4	2,551.50	1/4	2,304.25	1/4	2,057.01	1/4	1,809.77	1/4	1,562.52	1/4	1,315.28
1/2		1/2	3,285.73	1/2	3,039.44	1/2	2,793.07	1/2	2,546.35	1/2	2,299.10	1/2	2,051.86	1/2	1,804.62	1/2	1,557.37	1/2	1,310.13
3/4		3/4	3,280.63	3/4	3,034.31	3/4	2,787.94	3/4	2,541.20	3/4	2,293.95	3/4	2,046.71	3/4	1,799.47	3/4	1,552.22	3/4	1,304.98
8		8	3,275.52	8	3,029.17	8	2,782.80	8	2,536.04	8	2,288.80	8	2,041.56	8	1,794.31	8	1,547.07	8	1,299.83
1/4		1/4	3,270.41	1/4	3,024.04	1/4	2,777.67	1/4	2,530.89	1/4	2,283.65	1/4	2,036.41	1/4	1,789.16	1/4	1,541.92	1/4	1,294.68
1/2		1/2	3,265.28	1/2	3,018.91	1/2	2,772.54	1/2	2,525.74	1/2	2,278.50	1/2	2,031.26	1/2	1,784.01	1/2	1,536.77	1/2	1,289.53
3/4		3/4	3,260.14	3/4	3,013.77	3/4	2,767.40	3/4	2,520.59	3/4	2,273.35	3/4	2,026.11	3/4	1,778.86	3/4	1,531.62	3/4	1,284.38
9		9	3,255.01	9	3,008.64	9	2,762.27	9	2,515.44	9	2,268.20	9	2,020.95	9	1,773.71	9	1,526.47	9	1,279.22
1/4		1/4	3,249.88	1/4	3,003.51	1/4	2,757.14	1/4	2,510.29	1/4	2,263.05	1/4	2,015.80	1/4	1,768.56	1/4	1,521.32	1/4	1,274.07
1/2		1/2	3,244.75	1/2	2,998.38	1/2	2,752.01	1/2	2,505.14	1/2	2,257.90	1/2	2,010.65	1/2	1,763.41	1/2	1,516.17	1/2	1,268.92
3/4		3/4	3,239.61	3/4	2,993.24	3/4	2,746.87	3/4	2,499.99	3/4	2,252.74	3/4	2,005.50	3/4	1,758.26	3/4	1,511.02	3/4	1,263.77
10		10	3,234.48	10	2,988.11	10	2,741.74	10	2,494.84	10	2,247.59	10	2,000.35	10	1,753.11	10	1,505.86	10	1,258.62
1/4		1/4	3,229.35	1/4	2,982.98	1/4	2,736.61	1/4	2,489.69	1/4	2,242.44	1/4	1,995.20	1/4	1,747.96	1/4	1,500.71	1/4	1,253.47
1/2		1/2	3,224.21	1/2	2,977.85	1/2	2,731.48	1/2	2,484.54	1/2	2,237.29	1/2	1,990.05	1/2	1,742.81	1/2	1,495.56	1/2	1,248.32
3/4		3/4	3,219.08	3/4	2,972.71	3/4	2,726.34	3/4	2,479.38	3/4	2,232.14	3/4	1,984.90	3/4	1,737.65	3/4	1,490.41	3/4	1,243.17
11		11	3,213.95	11	2,967.58	11	2,721.21	11	2,474.23	11	2,226.99	11	1,979.75	11	1,732.50	11	1,485.26	11	1,238.02
1/4	3,442.16	1/4	3,208.82	1/4	2,962.45	1/4	2,716.08	1/4	2,469.08	1/4	2,221.84	1/4	1,974.60	1/4	1,727.35	1/4	1,480.11	1/4	1,232.87
1/2	3,438.80	1/2	3,203.68	1/2	2,957.31	1/2	2,710.94	1/2	2,463.93	1/2	2,216.69	1/2	1,969.45	1/2	1,722.20	1/2	1,474.96	1/2	1,227.72
3/4	3,435.43	3/4	3,198.55	3/4	2,952.18	3/4	2,705.81	3/4	2,458.78	3/4	2,211.54	3/4	1,964.29	3/4	1,717.05	3/4	1,469.81	3/4	1,222.56

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 - TOP OF THREADS) LOCATED 12'-08" OFF CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (8" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 318"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,217.41	0	971.11	0	725.59	0	480.67	0	237.45	0	38.61	0		0		0		0	
1/4	1,212.26	1/4	966.07	1/4	720.47	1/4	475.52	1/4	232.82	1/4	35.04	1/4		1/4		1/4		1/4	
1/2	1,207.11	1/2	961.02	1/2	715.36	1/2	470.37	1/2	228.26	1/2	31.88	1/2		1/2		1/2		1/2	
3/4	1,201.96	3/4	955.97	3/4	710.26	3/4	465.22	3/4	223.71	3/4	28.72	3/4		3/4		3/4		3/4	
1	1,196.81	1	950.93	1	705.15	1	460.07	1	219.16	1	25.55	1		1		1		1	
1/4	1,191.66	1/4	945.88	1/4	700.04	1/4	454.92	1/4	214.61	1/4	22.39	1/4		1/4		1/4		1/4	
1/2	1,186.51	1/2	940.83	1/2	694.94	1/2	449.76	1/2	210.15	1/2	20.27	1/2		1/2		1/2		1/2	
3/4	1,181.36	3/4	935.79	3/4	689.84	3/4	444.61	3/4	205.69	3/4	18.15	3/4		3/4		3/4		3/4	
2	1,176.21	2	930.74	2	684.74	2	439.46	2	201.22	2	16.02	2		2		2		2	
1/4	1,171.06	1/4	925.69	1/4	679.64	1/4	434.31	1/4	196.76	1/4	13.90	1/4		1/4		1/4		1/4	
1/2	1,165.91	1/2	920.65	1/2	674.55	1/2	429.16	1/2	192.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,160.75	3/4	915.60	3/4	669.45	3/4	424.01	3/4	188.01	3/4		3/4		3/4		3/4		3/4	
3	1,155.60	3	910.55	3	664.35	3	418.85	3	183.64	3		3		3		3		3	
1/4	1,150.45	1/4	905.51	1/4	659.26	1/4	413.70	1/4	179.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,145.30	1/2	900.41	1/2	654.16	1/2	408.55	1/2	174.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,140.15	3/4	895.31	3/4	649.07	3/4	403.40	3/4	170.69	3/4		3/4		3/4		3/4		3/4	
4	1,135.00	4	890.21	4	643.97	4	398.25	4	166.40	4		4		4		4		4	
1/4	1,129.85	1/4	885.11	1/4	638.88	1/4	393.10	1/4	162.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,124.70	1/2	879.96	1/2	633.78	1/2	387.94	1/2	157.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,119.55	3/4	874.81	3/4	628.69	3/4	382.79	3/4	153.55	3/4		3/4		3/4		3/4		3/4	
5	1,114.40	5	869.66	5	623.60	5	377.64	5	149.27	5		5		5		5		5	
1/4	1,109.25	1/4	864.51	1/4	618.50	1/4	372.49	1/4	144.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,104.09	1/2	859.35	1/2	613.41	1/2	367.34	1/2	140.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,098.94	3/4	854.20	3/4	608.31	3/4	362.19	3/4	136.44	3/4		3/4		3/4		3/4		3/4	
6	1,093.79	6	849.05	6	603.22	6	357.03	6	132.16	6		6		6		6		6	
1/4	1,088.64	1/4	843.90	1/4	598.13	1/4	351.88	1/4	127.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,083.49	1/2	838.75	1/2	593.03	1/2	346.73	1/2	123.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,078.34	3/4	833.59	3/4	587.94	3/4	341.58	3/4	119.51	3/4		3/4		3/4		3/4		3/4	
7	1,073.19	7	828.44	7	582.84	7	336.43	7	115.33	7		7		7		7		7	
1/4	1,068.04	1/4	823.29	1/4	577.75	1/4	331.28	1/4	111.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,062.89	1/2	818.14	1/2	572.66	1/2	326.15	1/2	107.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,057.74	3/4	812.99	3/4	567.56	3/4	321.02	3/4	102.94	3/4		3/4		3/4		3/4		3/4	
8	1,052.59	8	807.83	8	562.47	8	315.89	8	98.84	8		8		8		8		8	
1/4	1,047.43	1/4	802.68	1/4	557.37	1/4	310.76	1/4	94.74	1/4		1/4		1/4		1/4		1/4	
1/2	1,042.28	1/2	797.53	1/2	552.28	1/2	305.69	1/2	90.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,037.13	3/4	792.38	3/4	547.18	3/4	300.63	3/4	86.88	3/4		3/4		3/4		3/4		3/4	
9	1,031.98	9	787.23	9	542.09	9	295.57	9	82.95	9		9		9		9		9	
1/4	1,026.83	1/4	782.08	1/4	537.00	1/4	290.50	1/4	79.02	1/4		1/4		1/4		1/4		1/4	
1/2	1,021.73	1/2	776.92	1/2	531.90	1/2	285.53	1/2	75.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,016.63	3/4	771.77	3/4	526.81	3/4	280.55	3/4	71.50	3/4		3/4		3/4		3/4		3/4	
10	1,011.53	10	766.62	10	521.71	10	275.57	10	67.75	10		10		10		10		10	
1/4	1,006.44	1/4	761.47	1/4	516.62	1/4	270.60	1/4	63.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,001.39	1/2	756.33	1/2	511.50	1/2	265.79	1/2	60.32	1/2		1/2		1/2		1/2		1/2	
3/4	996.34	3/4	751.20	3/4	506.37	3/4	260.98	3/4	56.65	3/4		3/4		3/4		3/4		3/4	
11	991.30	11	746.07	11	501.25	11	256.18	11	52.98	11		11		11		11		11	
1/4	986.25	1/4	740.93	1/4	496.13	1/4	251.37	1/4	49.31	1/4		1/4		1/4		1/4		1/4	
1/2	981.20	1/2	735.82	1/2	490.98	1/2	246.73	1/2	45.75	1/2		1/2		1/2		1/2		1/2	
3/4	976.16	3/4	730.70	3/4	485.82	3/4	242.09	3/4	42.18	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/13/2019 JS
CALCULATED: 06/14/2019 CL
PRINTED: 06/15/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2019

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



BARGE "MM 318"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	3,434.67	0	3,195.98	0	2,949.56	0	2,703.15	0	2,456.05	0	2,208.77	0	1,961.48	0	1,714.19	0	1,466.91
1/4		1/4	3,431.31	1/4	3,190.85	1/4	2,944.43	1/4	2,698.01	1/4	2,450.90	1/4	2,203.61	1/4	1,956.33	1/4	1,709.04	1/4	1,461.75
1/2		1/2	3,427.09	1/2	3,185.71	1/2	2,939.30	1/2	2,692.88	1/2	2,445.75	1/2	2,198.46	1/2	1,951.18	1/2	1,703.89	1/2	1,456.60
3/4		3/4	3,422.86	3/4	3,180.58	3/4	2,934.16	3/4	2,687.75	3/4	2,440.60	3/4	2,193.31	3/4	1,946.02	3/4	1,698.74	3/4	1,451.45
1		1	3,418.64	1	3,175.45	1	2,929.03	1	2,682.61	1	2,435.45	1	2,188.16	1	1,940.87	1	1,693.59	1	1,446.30
1/4		1/4	3,414.41	1/4	3,170.31	1/4	2,923.90	1/4	2,677.48	1/4	2,430.29	1/4	2,183.01	1/4	1,935.72	1/4	1,688.43	1/4	1,441.15
1/2		1/2	3,409.56	1/2	3,165.18	1/2	2,918.76	1/2	2,672.34	1/2	2,425.14	1/2	2,177.86	1/2	1,930.57	1/2	1,683.28	1/2	1,436.00
3/4		3/4	3,404.70	3/4	3,160.05	3/4	2,913.63	3/4	2,667.21	3/4	2,419.99	3/4	2,172.70	3/4	1,925.42	3/4	1,678.13	3/4	1,430.84
2		2	3,399.85	2	3,154.91	2	2,908.49	2	2,662.08	2	2,414.84	2	2,167.55	2	1,920.27	2	1,672.98	2	1,425.69
1/4		1/4	3,394.99	1/4	3,149.78	1/4	2,903.36	1/4	2,656.94	1/4	2,409.69	1/4	2,162.40	1/4	1,915.11	1/4	1,667.83	1/4	1,420.54
1/2		1/2	3,389.93	1/2	3,144.64	1/2	2,898.23	1/2	2,651.80	1/2	2,404.53	1/2	2,157.25	1/2	1,909.96	1/2	1,662.68	1/2	1,415.39
3/4		3/4	3,384.86	3/4	3,139.51	3/4	2,893.09	3/4	2,646.65	3/4	2,399.38	3/4	2,152.10	3/4	1,904.81	3/4	1,657.52	3/4	1,410.24
3		3	3,379.79	3	3,134.38	3	2,887.96	3	2,641.51	3	2,394.23	3	2,146.94	3	1,899.66	3	1,652.37	3	1,405.08
1/4		1/4	3,374.73	1/4	3,129.24	1/4	2,882.83	1/4	2,636.37	1/4	2,389.08	1/4	2,141.79	1/4	1,894.51	1/4	1,647.22	1/4	1,399.93
1/2		1/2	3,369.65	1/2	3,124.11	1/2	2,877.69	1/2	2,631.21	1/2	2,383.93	1/2	2,136.64	1/2	1,889.35	1/2	1,642.07	1/2	1,394.78
3/4		3/4	3,364.57	3/4	3,118.98	3/4	2,872.56	3/4	2,626.06	3/4	2,378.78	3/4	2,131.49	3/4	1,884.20	3/4	1,636.92	3/4	1,389.63
4		4	3,359.49	4	3,113.84	4	2,867.42	4	2,620.91	4	2,373.62	4	2,126.34	4	1,879.05	4	1,631.76	4	1,384.48
1/4		1/4	3,354.41	1/4	3,108.71	1/4	2,862.29	1/4	2,615.76	1/4	2,368.47	1/4	2,121.19	1/4	1,873.90	1/4	1,626.61	1/4	1,379.33
1/2		1/2	3,349.33	1/2	3,103.58	1/2	2,857.16	1/2	2,610.61	1/2	2,363.32	1/2	2,116.03	1/2	1,868.75	1/2	1,621.46	1/2	1,374.17
3/4		3/4	3,344.25	3/4	3,098.44	3/4	2,852.02	3/4	2,605.45	3/4	2,358.17	3/4	2,110.88	3/4	1,863.60	3/4	1,616.31	3/4	1,369.02
5		5	3,339.17	5	3,093.31	5	2,846.89	5	2,600.30	5	2,353.02	5	2,105.73	5	1,858.44	5	1,611.16	5	1,363.87
1/4		1/4	3,334.08	1/4	3,088.17	1/4	2,841.76	1/4	2,595.15	1/4	2,347.86	1/4	2,100.58	1/4	1,853.29	1/4	1,606.01	1/4	1,358.72
1/2		1/2	3,329.00	1/2	3,083.04	1/2	2,836.62	1/2	2,590.00	1/2	2,342.71	1/2	2,095.43	1/2	1,848.14	1/2	1,600.85	1/2	1,353.57
3/4		3/4	3,323.92	3/4	3,077.91	3/4	2,831.49	3/4	2,584.85	3/4	2,337.56	3/4	2,090.27	3/4	1,842.99	3/4	1,595.70	3/4	1,348.42
6		6	3,318.83	6	3,072.77	6	2,826.36	6	2,579.70	6	2,332.41	6	2,085.12	6	1,837.84	6	1,590.55	6	1,343.26
1/4		1/4	3,313.75	1/4	3,067.64	1/4	2,821.22	1/4	2,574.54	1/4	2,327.26	1/4	2,079.97	1/4	1,832.68	1/4	1,585.40	1/4	1,338.11
1/2		1/2	3,308.67	1/2	3,062.51	1/2	2,816.09	1/2	2,569.39	1/2	2,322.11	1/2	2,074.82	1/2	1,827.53	1/2	1,580.25	1/2	1,332.96
3/4		3/4	3,303.59	3/4	3,057.37	3/4	2,810.95	3/4	2,564.24	3/4	2,316.95	3/4	2,069.67	3/4	1,822.38	3/4	1,575.09	3/4	1,327.81
7		7	3,298.50	7	3,052.24	7	2,805.82	7	2,559.09	7	2,311.80	7	2,064.52	7	1,817.23	7	1,569.94	7	1,322.66
1/4		1/4	3,293.42	1/4	3,047.10	1/4	2,800.69	1/4	2,553.94	1/4	2,306.65	1/4	2,059.36	1/4	1,812.08	1/4	1,564.79	1/4	1,317.50
1/2		1/2	3,288.31	1/2	3,041.97	1/2	2,795.55	1/2	2,548.78	1/2	2,301.50	1/2	2,054.21	1/2	1,806.93	1/2	1,559.64	1/2	1,312.35
3/4		3/4	3,283.20	3/4	3,036.84	3/4	2,790.42	3/4	2,543.63	3/4	2,296.35	3/4	2,049.06	3/4	1,801.77	3/4	1,554.49	3/4	1,307.20
8		8	3,278.10	8	3,031.70	8	2,785.29	8	2,538.48	8	2,291.19	8	2,043.91	8	1,796.62	8	1,549.34	8	1,302.05
1/4		1/4	3,272.99	1/4	3,026.57	1/4	2,780.15	1/4	2,533.33	1/4	2,286.04	1/4	2,038.76	1/4	1,791.47	1/4	1,544.18	1/4	1,296.90
1/2		1/2	3,267.85	1/2	3,021.44	1/2	2,775.02	1/2	2,528.18	1/2	2,280.89	1/2	2,033.60	1/2	1,786.32	1/2	1,539.03	1/2	1,291.75
3/4		3/4	3,262.72	3/4	3,016.30	3/4	2,769.88	3/4	2,523.03	3/4	2,275.74	3/4	2,028.45	3/4	1,781.17	3/4	1,533.88	3/4	1,286.59
9		9	3,257.59	9	3,011.17	9	2,764.75	9	2,517.87	9	2,270.59	9	2,023.30	9	1,776.01	9	1,528.73	9	1,281.44
1/4		1/4	3,252.45	1/4	3,006.03	1/4	2,759.62	1/4	2,512.72	1/4	2,265.44	1/4	2,018.15	1/4	1,770.86	1/4	1,523.58	1/4	1,276.29
1/2		1/2	3,247.32	1/2	3,000.90	1/2	2,754.48	1/2	2,507.57	1/2	2,260.28	1/2	2,013.00	1/2	1,765.71	1/2	1,518.42	1/2	1,271.14
3/4		3/4	3,242.19	3/4	2,995.77	3/4	2,749.35	3/4	2,502.42	3/4	2,255.13	3/4	2,007.85	3/4	1,760.56	3/4	1,513.27	3/4	1,265.99
10		10	3,237.05	10	2,990.63	10	2,744.22	10	2,497.27	10	2,249.98	10	2,002.69	10	1,755.41	10	1,508.12	10	1,260.83
1/4		1/4	3,231.92	1/4	2,985.50	1/4	2,739.08	1/4	2,492.11	1/4	2,244.83	1/4	1,997.54	1/4	1,750.26	1/4	1,502.97	1/4	1,255.68
1/2		1/2	3,226.78	1/2	2,980.37	1/2	2,733.95	1/2	2,486.96	1/2	2,239.68	1/2	1,992.39	1/2	1,745.10	1/2	1,497.82	1/2	1,250.53
3/4		3/4	3,221.65	3/4	2,975.23	3/4	2,728.82	3/4	2,481.81	3/4	2,234.52	3/4	1,987.24	3/4	1,739.95	3/4	1,492.67	3/4	1,245.38
11		11	3,216.52	11	2,970.10	11	2,723.68	11	2,476.66	11	2,229.37	11	1,982.09	11	1,734.80	11	1,487.51	11	1,240.23
1/4	3,444.77	1/4	3,211.38	1/4	2,964.97	1/4	2,718.55	1/4	2,471.51	1/4	2,224.22	1/4	1,976.93	1/4	1,729.65	1/4	1,482.36	1/4	1,235.08
1/2	3,441.40	1/2	3,206.25	1/2	2,959.83	1/2	2,713.41	1/2	2,466.36	1/2	2,219.07	1/2	1,971.78	1/2	1,724.50	1/2	1,477.21	1/2	1,229.92
3/4	3,438.04	3/4	3,201.12	3/4	2,954.70	3/4	2,708.28	3/4	2,461.20	3/4	2,213.92	3/4	1,966.63	3/4	1,719.34	3/4	1,472.06	3/4	1,224.77

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 - TOP OF THREADS) LOCATED 12'-08" OFF CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 318"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,219.62	0	973.27	0	727.52	0	480.99	0	237.72	0	38.68	0		0		0		0	
1/4	1,214.47	1/4	968.22	1/4	722.36	1/4	475.84	1/4	233.08	1/4	35.10	1/4		1/4		1/4		1/4	
1/2	1,209.32	1/2	963.18	1/2	717.22	1/2	470.69	1/2	228.52	1/2	31.93	1/2		1/2		1/2		1/2	
3/4	1,204.16	3/4	958.13	3/4	712.07	3/4	465.54	3/4	223.97	3/4	28.77	3/4		3/4		3/4		3/4	
1	1,199.01	1	953.08	1	706.93	1	460.38	1	219.42	1	25.60	1		1		1		1	
1/4	1,193.86	1/4	948.03	1/4	701.78	1/4	455.23	1/4	214.86	1/4	22.43	1/4		1/4		1/4		1/4	
1/2	1,188.71	1/2	942.99	1/2	696.65	1/2	450.08	1/2	210.40	1/2	20.30	1/2		1/2		1/2		1/2	
3/4	1,183.56	3/4	937.94	3/4	691.51	3/4	444.93	3/4	205.93	3/4	18.17	3/4		3/4		3/4		3/4	
2	1,178.41	2	932.89	2	686.37	2	439.77	2	201.47	2	16.04	2		2		2		2	
1/4	1,173.25	1/4	927.84	1/4	681.24	1/4	434.62	1/4	197.00	1/4	13.92	1/4		1/4		1/4		1/4	
1/2	1,168.10	1/2	922.80	1/2	676.10	1/2	429.47	1/2	192.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,162.95	3/4	917.75	3/4	670.97	3/4	424.32	3/4	188.24	3/4		3/4		3/4		3/4		3/4	
3	1,157.80	3	912.70	3	665.84	3	419.16	3	183.86	3		3		3		3		3	
1/4	1,152.65	1/4	907.65	1/4	660.70	1/4	414.01	1/4	179.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,147.49	1/2	902.55	1/2	655.57	1/2	408.86	1/2	175.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,142.34	3/4	897.45	3/4	650.44	3/4	403.71	3/4	170.90	3/4		3/4		3/4		3/4		3/4	
4	1,137.19	4	892.35	4	645.31	4	398.55	4	166.61	4		4		4		4		4	
1/4	1,132.04	1/4	887.25	1/4	640.18	1/4	393.40	1/4	162.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,126.89	1/2	882.10	1/2	635.04	1/2	388.25	1/2	158.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,121.74	3/4	876.95	3/4	629.91	3/4	383.10	3/4	153.75	3/4		3/4		3/4		3/4		3/4	
5	1,116.58	5	871.79	5	624.78	5	377.94	5	149.47	5		5		5		5		5	
1/4	1,111.43	1/4	866.64	1/4	619.65	1/4	372.79	1/4	145.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,106.28	1/2	861.49	1/2	614.52	1/2	367.64	1/2	140.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,101.13	3/4	856.34	3/4	609.39	3/4	362.49	3/4	136.63	3/4		3/4		3/4		3/4		3/4	
6	1,095.98	6	851.18	6	604.26	6	357.33	6	132.35	6		6		6		6		6	
1/4	1,090.83	1/4	846.03	1/4	599.12	1/4	352.18	1/4	128.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,085.67	1/2	840.88	1/2	593.99	1/2	347.03	1/2	123.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,080.52	3/4	835.73	3/4	588.86	3/4	341.88	3/4	119.69	3/4		3/4		3/4		3/4		3/4	
7	1,075.37	7	830.57	7	583.73	7	336.72	7	115.50	7		7		7		7		7	
1/4	1,070.22	1/4	825.42	1/4	578.60	1/4	331.57	1/4	111.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,065.07	1/2	820.27	1/2	573.47	1/2	326.44	1/2	107.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,059.91	3/4	815.11	3/4	568.33	3/4	321.31	3/4	103.10	3/4		3/4		3/4		3/4		3/4	
8	1,054.76	8	809.96	8	563.20	8	316.18	8	98.99	8		8		8		8		8	
1/4	1,049.61	1/4	804.81	1/4	558.07	1/4	311.05	1/4	94.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,044.46	1/2	799.66	1/2	552.94	1/2	305.98	1/2	90.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,039.31	3/4	794.50	3/4	547.81	3/4	300.92	3/4	87.02	3/4		3/4		3/4		3/4		3/4	
9	1,034.16	9	789.35	9	542.68	9	295.85	9	83.09	9		9		9		9		9	
1/4	1,029.00	1/4	784.20	1/4	537.55	1/4	290.79	1/4	79.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,023.90	1/2	779.04	1/2	532.41	1/2	285.81	1/2	75.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,018.80	3/4	773.89	3/4	527.28	3/4	280.83	3/4	71.62	3/4		3/4		3/4		3/4		3/4	
10	1,013.70	10	768.74	10	522.15	10	275.85	10	67.86	10		10		10		10		10	
1/4	1,008.60	1/4	763.59	1/4	517.02	1/4	270.88	1/4	64.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,003.56	1/2	758.43	1/2	511.88	1/2	266.07	1/2	60.42	1/2		1/2		1/2		1/2		1/2	
3/4	998.51	3/4	753.28	3/4	506.74	3/4	261.26	3/4	56.75	3/4		3/4		3/4		3/4		3/4	
11	993.46	11	748.13	11	501.59	11	256.45	11	53.07	11		11		11		11		11	
1/4	988.41	1/4	742.97	1/4	496.45	1/4	251.64	1/4	49.40	1/4		1/4		1/4		1/4		1/4	
1/2	983.37	1/2	737.82	1/2	491.30	1/2	247.00	1/2	45.82	1/2		1/2		1/2		1/2		1/2	
3/4	978.32	3/4	732.67	3/4	486.15	3/4	242.36	3/4	42.25	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/13/2019 JS
CALCULATED: 06/14/2019 CL
PRINTED: 06/15/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2019

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



BARGE "MM 318"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0	4,286.68	0	3,995.51	0	3,692.69	0	3,389.86	0	3,086.40	0	2,782.71	0	2,479.02	0	2,175.32	0	1,871.63		
1/4		1/4	4,282.54	1/4	3,989.20	1/4	3,686.38	1/4	3,383.56	1/4	3,080.07	1/4	2,776.38	1/4	2,472.69	1/4	2,169.00	1/4	1,865.31		
1/2		1/2	4,278.40	1/2	3,982.89	1/2	3,680.07	1/2	3,377.25	1/2	3,073.74	1/2	2,770.05	1/2	2,466.36	1/2	2,162.67	1/2	1,858.98		
3/4		3/4	4,273.21	3/4	3,976.58	3/4	3,673.76	3/4	3,370.94	3/4	3,067.42	3/4	2,763.73	3/4	2,460.03	3/4	2,156.34	3/4	1,852.65		
1		1	4,268.02	1	3,970.27	1	3,667.45	1	3,364.63	1	3,061.09	1	2,757.40	1	2,453.71	1	2,150.02	1	1,846.33		
1/4		1/4	4,262.83	1/4	3,963.97	1/4	3,661.14	1/4	3,358.32	1/4	3,054.76	1/4	2,751.07	1/4	2,447.38	1/4	2,143.69	1/4	1,840.00		
1/2		1/2	4,257.64	1/2	3,957.66	1/2	3,654.83	1/2	3,352.01	1/2	3,048.44	1/2	2,744.74	1/2	2,441.05	1/2	2,137.36	1/2	1,833.67		
3/4		3/4	4,251.67	3/4	3,951.35	3/4	3,648.53	3/4	3,345.70	3/4	3,042.11	3/4	2,738.42	3/4	2,434.73	3/4	2,131.04	3/4	1,827.34		
2		2	4,245.70	2	3,945.04	2	3,642.22	2	3,339.39	2	3,035.78	2	2,732.09	2	2,428.40	2	2,124.71	2	1,821.02		
1/4		1/4	4,239.74	1/4	3,938.73	1/4	3,635.91	1/4	3,333.09	1/4	3,029.46	1/4	2,725.76	1/4	2,422.07	1/4	2,118.38	1/4	1,814.69		
1/2		1/2	4,233.77	1/2	3,932.42	1/2	3,629.60	1/2	3,326.78	1/2	3,023.13	1/2	2,719.44	1/2	2,415.75	1/2	2,112.05	1/2	1,808.36		
3/4		3/4	4,227.54	3/4	3,926.11	3/4	3,623.29	3/4	3,320.46	3/4	3,016.80	3/4	2,713.11	3/4	2,409.42	3/4	2,105.73	3/4	1,802.04		
3		3	4,221.31	3	3,919.80	3	3,616.98	3	3,314.14	3	3,010.47	3	2,706.78	3	2,403.09	3	2,099.40	3	1,795.71		
1/4		1/4	4,215.09	1/4	3,913.49	1/4	3,610.67	1/4	3,307.83	1/4	3,004.15	1/4	2,700.46	1/4	2,396.77	1/4	2,093.07	1/4	1,789.38		
1/2		1/2	4,208.86	1/2	3,907.19	1/2	3,604.36	1/2	3,301.51	1/2	2,997.82	1/2	2,694.13	1/2	2,390.44	1/2	2,086.75	1/2	1,783.06		
3/4		3/4	4,202.62	3/4	3,900.88	3/4	3,598.05	3/4	3,295.19	3/4	2,991.49	3/4	2,687.80	3/4	2,384.11	3/4	2,080.42	3/4	1,776.73		
4		4	4,196.38	4	3,894.57	4	3,591.75	4	3,288.86	4	2,985.17	4	2,681.48	4	2,377.78	4	2,074.09	4	1,770.40		
1/4		1/4	4,190.14	1/4	3,888.26	1/4	3,585.44	1/4	3,282.53	1/4	2,978.84	1/4	2,675.15	1/4	2,371.46	1/4	2,067.77	1/4	1,764.08		
1/2		1/2	4,183.90	1/2	3,881.95	1/2	3,579.13	1/2	3,276.20	1/2	2,972.51	1/2	2,668.82	1/2	2,365.13	1/2	2,061.44	1/2	1,757.75		
3/4		3/4	4,177.65	3/4	3,875.64	3/4	3,572.82	3/4	3,269.88	3/4	2,966.19	3/4	2,662.50	3/4	2,358.80	3/4	2,055.11	3/4	1,751.42		
5		5	4,171.41	5	3,869.33	5	3,566.51	5	3,263.55	5	2,959.86	5	2,656.17	5	2,352.48	5	2,048.79	5	1,745.09		
1/4		1/4	4,165.16	1/4	3,863.02	1/4	3,560.20	1/4	3,257.22	1/4	2,953.53	1/4	2,649.84	1/4	2,346.15	1/4	2,042.46	1/4	1,738.77		
1/2		1/2	4,158.92	1/2	3,856.72	1/2	3,553.89	1/2	3,250.90	1/2	2,947.21	1/2	2,643.51	1/2	2,339.82	1/2	2,036.13	1/2	1,732.44		
3/4		3/4	4,152.67	3/4	3,850.41	3/4	3,547.58	3/4	3,244.57	3/4	2,940.88	3/4	2,637.19	3/4	2,333.50	3/4	2,029.81	3/4	1,726.11		
6		6	4,146.42	6	3,844.10	6	3,541.28	6	3,238.24	6	2,934.55	6	2,630.86	6	2,327.17	6	2,023.48	6	1,719.79		
1/4		1/4	4,140.18	1/4	3,837.79	1/4	3,534.97	1/4	3,231.92	1/4	2,928.22	1/4	2,624.53	1/4	2,320.84	1/4	2,017.15	1/4	1,713.46		
1/2		1/2	4,133.93	1/2	3,831.48	1/2	3,528.66	1/2	3,225.59	1/2	2,921.90	1/2	2,618.21	1/2	2,314.52	1/2	2,010.82	1/2	1,707.13		
3/4		3/4	4,127.68	3/4	3,825.17	3/4	3,522.35	3/4	3,219.26	3/4	2,915.57	3/4	2,611.88	3/4	2,308.19	3/4	2,004.50	3/4	1,700.81		
7		7	4,121.44	7	3,818.86	7	3,516.04	7	3,212.94	7	2,909.24	7	2,605.55	7	2,301.86	7	1,998.17	7	1,694.48		
1/4		1/4	4,115.19	1/4	3,812.55	1/4	3,509.73	1/4	3,206.61	1/4	2,902.92	1/4	2,599.23	1/4	2,295.53	1/4	1,991.84	1/4	1,688.15		
1/2		1/2	4,108.95	1/2	3,806.25	1/2	3,503.42	1/2	3,200.28	1/2	2,896.59	1/2	2,592.90	1/2	2,289.21	1/2	1,985.52	1/2	1,681.83		
3/4		3/4	4,102.67	3/4	3,799.94	3/4	3,497.11	3/4	3,193.95	3/4	2,890.26	3/4	2,586.57	3/4	2,282.88	3/4	1,979.19	3/4	1,675.50		
8		8	4,096.39	8	3,793.63	8	3,490.81	8	3,187.63	8	2,883.94	8	2,580.25	8	2,276.55	8	1,972.86	8	1,669.17		
1/4		1/4	4,090.11	1/4	3,787.32	1/4	3,484.50	1/4	3,181.30	1/4	2,877.61	1/4	2,573.92	1/4	2,270.23	1/4	1,966.54	1/4	1,662.84		
1/2		1/2	4,083.83	1/2	3,781.01	1/2	3,478.19	1/2	3,174.97	1/2	2,871.28	1/2	2,567.59	1/2	2,263.90	1/2	1,960.21	1/2	1,656.52		
3/4		3/4	4,077.52	3/4	3,774.70	3/4	3,471.88	3/4	3,168.65	3/4	2,864.96	3/4	2,561.26	3/4	2,257.57	3/4	1,953.88	3/4	1,650.19		
9		9	4,071.21	9	3,768.39	9	3,465.57	9	3,162.32	9	2,858.63	9	2,554.94	9	2,251.25	9	1,947.56	9	1,643.86		
1/4		1/4	4,064.91	1/4	3,762.08	1/4	3,459.26	1/4	3,155.99	1/4	2,852.30	1/4	2,548.61	1/4	2,244.92	1/4	1,941.23	1/4	1,637.54		
1/2		1/2	4,058.60	1/2	3,755.77	1/2	3,452.95	1/2	3,149.67	1/2	2,845.98	1/2	2,542.28	1/2	2,238.59	1/2	1,934.90	1/2	1,631.21		
3/4		3/4	4,052.29	3/4	3,749.47	3/4	3,446.64	3/4	3,143.34	3/4	2,839.65	3/4	2,535.96	3/4	2,232.27	3/4	1,928.57	3/4	1,624.88		
10		10	4,045.98	10	3,743.16	10	3,440.33	10	3,137.01	10	2,833.32	10	2,529.63	10	2,225.94	10	1,922.25	10	1,618.56		
1/4		1/4	4,039.67	1/4	3,736.85	1/4	3,434.03	1/4	3,130.69	1/4	2,826.99	1/4	2,523.30	1/4	2,219.61	1/4	1,915.92	1/4	1,612.23		
1/2		1/2	4,033.36	1/2	3,730.54	1/2	3,427.72	1/2	3,124.36	1/2	2,820.67	1/2	2,516.98	1/2	2,213.29	1/2	1,909.59	1/2	1,605.90		
3/4		3/4	4,027.05	3/4	3,724.23	3/4	3,421.41	3/4	3,118.03	3/4	2,814.34	3/4	2,510.65	3/4	2,206.96	3/4	1,903.27	3/4	1,599.58		
11		11	4,020.74	11	3,717.92	11	3,415.10	11	3,111.71	11	2,808.01	11	2,504.32	11	2,200.63	11	1,896.94	11	1,593.25		
1/4		1/4	4,014.44	1/4	3,711.61	1/4	3,408.79	1/4	3,105.38	1/4	2,801.69	1/4	2,498.00	1/4	2,194.30	1/4	1,890.61	1/4	1,586.92		
1/2		1/2	4,294.95	1/2	4,008.13	1/2	3,705.30	1/2	3,402.48	1/2	3,099.05	1/2	2,795.36	1/2	2,491.67	1/2	2,187.98	1/2	1,884.29	1/2	1,580.60
3/4		3/4	4,290.81	3/4	4,001.82	3/4	3,699.00	3/4	3,396.17	3/4	3,092.72	3/4	2,789.03	3/4	2,485.34	3/4	2,181.65	3/4	1,877.96	3/4	1,574.27

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 - TOP OF THREADS) LOCATED 12'-08" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 318"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,567.94	0	1,265.39	0	965.06	0	674.37	0	371.44	0	74.16	0		0		0		0	
1/4	1,561.61	1/4	1,259.20	1/4	959.01	1/4	668.04	1/4	365.31	1/4	68.05	1/4		1/4		1/4		1/4	
1/2	1,555.29	1/2	1,253.02	1/2	952.96	1/2	661.72	1/2	359.18	1/2	61.95	1/2		1/2		1/2		1/2	
3/4	1,548.96	3/4	1,246.83	3/4	946.92	3/4	655.39	3/4	353.06	3/4	56.23	3/4		3/4		3/4		3/4	
1	1,542.63	1	1,240.65	1	940.87	1	649.06	1	346.93	1	50.51	1		1		1		1	
1/4	1,536.31	1/4	1,234.46	1/4	934.83	1/4	642.73	1/4	340.80	1/4	44.80	1/4		1/4		1/4		1/4	
1/2	1,529.98	1/2	1,228.28	1/2	928.79	1/2	636.40	1/2	334.67	1/2	39.08	1/2		1/2		1/2		1/2	
3/4	1,523.65	3/4	1,222.10	3/4	922.76	3/4	630.08	3/4	328.54	3/4	34.53	3/4		3/4		3/4		3/4	
2	1,517.33	2	1,215.91	2	916.72	2	623.75	2	322.41	2	29.99	2		2		2		2	
1/4	1,511.00	1/4	1,209.73	1/4	910.69	1/4	617.42	1/4	316.28	1/4	25.44	1/4		1/4		1/4		1/4	
1/2	1,504.67	1/2	1,203.54	1/2	904.66	1/2	611.09	1/2	310.15	1/2	20.89	1/2		1/2		1/2		1/2	
3/4	1,498.35	3/4	1,197.36	3/4	898.62	3/4	604.77	3/4	304.03	3/4		3/4		3/4		3/4		3/4	
3	1,492.02	3	1,191.17	3	892.59	3	598.44	3	297.90	3		3		3		3		3	
1/4	1,485.69	1/4	1,184.99	1/4	886.56	1/4	592.11	1/4	291.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,479.36	1/2	1,178.80	1/2	880.53	1/2	585.78	1/2	285.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,473.04	3/4	1,172.55	3/4	874.50	3/4	579.46	3/4	279.51	3/4		3/4		3/4		3/4		3/4	
4	1,466.71	4	1,166.29	4	868.47	4	573.13	4	273.38	4		4		4		4		4	
1/4	1,460.38	1/4	1,160.03	1/4	862.45	1/4	566.80	1/4	267.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,454.06	1/2	1,153.78	1/2	856.42	1/2	560.47	1/2	261.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,447.73	3/4	1,147.45	3/4	850.39	3/4	554.15	3/4	254.90	3/4		3/4		3/4		3/4		3/4	
5	1,441.40	5	1,141.12	5	844.36	5	548.22	5	248.67	5		5		5		5		5	
1/4	1,435.08	1/4	1,134.79	1/4	838.33	1/4	541.49	1/4	242.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,428.75	1/2	1,128.47	1/2	832.30	1/2	535.16	1/2	236.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,422.42	3/4	1,122.14	3/4	826.28	3/4	528.84	3/4	229.88	3/4		3/4		3/4		3/4		3/4	
6	1,416.10	6	1,115.81	6	820.25	6	522.51	6	223.56	6		6		6		6		6	
1/4	1,409.77	1/4	1,109.48	1/4	814.22	1/4	516.18	1/4	217.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,403.44	1/2	1,103.16	1/2	808.19	1/2	509.85	1/2	210.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,397.12	3/4	1,096.83	3/4	802.16	3/4	503.53	3/4	204.57	3/4		3/4		3/4		3/4		3/4	
7	1,390.79	7	1,090.50	7	796.13	7	497.20	7	198.25	7		7		7		7		7	
1/4	1,384.46	1/4	1,084.17	1/4	790.11	1/4	490.87	1/4	191.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,378.13	1/2	1,077.84	1/2	784.08	1/2	484.54	1/2	185.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,371.81	3/4	1,071.52	3/4	778.05	3/4	478.21	3/4	179.26	3/4		3/4		3/4		3/4		3/4	
8	1,365.48	8	1,065.19	8	772.02	8	471.89	8	172.94	8		8		8		8		8	
1/4	1,359.15	1/4	1,058.86	1/4	765.99	1/4	465.56	1/4	166.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,352.83	1/2	1,052.53	1/2	759.96	1/2	459.23	1/2	160.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,346.50	3/4	1,046.21	3/4	753.94	3/4	452.90	3/4	154.05	3/4		3/4		3/4		3/4		3/4	
9	1,340.17	9	1,039.88	9	747.91	9	446.58	9	147.83	9		9		9		9		9	
1/4	1,333.85	1/4	1,033.55	1/4	741.88	1/4	440.25	1/4	141.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,327.52	1/2	1,027.22	1/2	735.85	1/2	433.92	1/2	135.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,321.26	3/4	1,020.89	3/4	729.82	3/4	427.59	3/4	129.24	3/4		3/4		3/4		3/4		3/4	
10	1,315.01	10	1,014.57	10	723.79	10	421.27	10	123.12	10		10		10		10		10	
1/4	1,308.75	1/4	1,008.24	1/4	717.76	1/4	414.94	1/4	116.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,302.49	1/2	1,001.91	1/2	711.74	1/2	408.61	1/2	110.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,296.31	3/4	995.72	3/4	705.56	3/4	402.38	3/4	104.74	3/4		3/4		3/4		3/4		3/4	
11	1,290.13	11	989.53	11	699.38	11	396.16	11	98.62	11		11		11		11		11	
1/4	1,283.94	1/4	983.34	1/4	693.20	1/4	389.93	1/4	92.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,277.76	1/2	977.16	1/2	687.03	1/2	383.70	1/2	86.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,271.57	3/4	971.11	3/4	680.70	3/4	377.57	3/4	80.27	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/13/2019 JS
CALCULATED: 06/14/2019 CL
PRINTED: 06/15/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2019

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



BARGE "MM 318"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	4,289.73	0	3,994.36	0	3,691.68	0	3,389.00	0	3,085.61	0	2,782.06	0	2,478.51	0	2,174.97	0	1,871.42
1/4		1/4	4,284.54	1/4	3,988.05	1/4	3,685.37	1/4	3,382.69	1/4	3,079.28	1/4	2,775.74	1/4	2,472.19	1/4	2,168.64	1/4	1,865.10
1/2		1/2	4,279.35	1/2	3,981.74	1/2	3,679.07	1/2	3,376.39	1/2	3,072.96	1/2	2,769.41	1/2	2,465.87	1/2	2,162.32	1/2	1,858.77
3/4		3/4	4,274.16	3/4	3,975.44	3/4	3,672.76	3/4	3,370.08	3/4	3,066.64	3/4	2,763.09	3/4	2,459.54	3/4	2,156.00	3/4	1,852.45
1		1	4,268.98	1	3,969.13	1	3,666.45	1	3,363.78	1	3,060.31	1	2,756.77	1	2,453.22	1	2,149.67	1	1,846.12
1/4		1/4	4,263.01	1/4	3,962.83	1/4	3,660.15	1/4	3,357.47	1/4	3,053.99	1/4	2,750.44	1/4	2,446.89	1/4	2,143.35	1/4	1,839.80
1/2		1/2	4,257.05	1/2	3,956.52	1/2	3,653.84	1/2	3,351.16	1/2	3,047.67	1/2	2,744.12	1/2	2,440.57	1/2	2,137.02	1/2	1,833.48
3/4		3/4	4,251.08	3/4	3,950.21	3/4	3,647.54	3/4	3,344.86	3/4	3,041.34	3/4	2,737.79	3/4	2,434.25	3/4	2,130.70	3/4	1,827.15
2		2	4,245.12	2	3,943.91	2	3,641.23	2	3,338.55	2	3,035.02	2	2,731.47	2	2,427.92	2	2,124.38	2	1,820.83
1/4		1/4	4,238.90	1/4	3,937.60	1/4	3,634.92	1/4	3,332.23	1/4	3,028.69	1/4	2,725.15	1/4	2,421.60	1/4	2,118.05	1/4	1,814.50
1/2		1/2	4,232.67	1/2	3,931.30	1/2	3,628.62	1/2	3,325.91	1/2	3,022.37	1/2	2,718.82	1/2	2,415.28	1/2	2,111.73	1/2	1,808.18
3/4		3/4	4,226.45	3/4	3,924.99	3/4	3,622.31	3/4	3,319.59	3/4	3,016.05	3/4	2,712.50	3/4	2,408.95	3/4	2,105.40	3/4	1,801.86
3		3	4,220.22	3	3,918.69	3	3,616.01	3	3,313.27	3	3,009.72	3	2,706.17	3	2,402.63	3	2,099.08	3	1,795.53
1/4		1/4	4,213.99	1/4	3,912.38	1/4	3,609.70	1/4	3,306.95	1/4	3,003.40	1/4	2,699.85	1/4	2,396.30	1/4	2,092.76	1/4	1,789.21
1/2		1/2	4,207.75	1/2	3,906.07	1/2	3,603.40	1/2	3,300.62	1/2	2,997.07	1/2	2,693.53	1/2	2,389.98	1/2	2,086.43	1/2	1,782.89
3/4		3/4	4,201.51	3/4	3,899.77	3/4	3,597.09	3/4	3,294.30	3/4	2,990.75	3/4	2,687.20	3/4	2,383.66	3/4	2,080.11	3/4	1,776.56
4		4	4,195.27	4	3,893.46	4	3,590.78	4	3,287.97	4	2,984.43	4	2,680.88	4	2,377.33	4	2,073.78	4	1,770.24
1/4		1/4	4,189.03	1/4	3,887.16	1/4	3,584.48	1/4	3,281.65	1/4	2,978.10	1/4	2,674.56	1/4	2,371.01	1/4	2,067.46	1/4	1,763.91
1/2		1/2	4,182.79	1/2	3,880.85	1/2	3,578.17	1/2	3,275.33	1/2	2,971.78	1/2	2,668.23	1/2	2,364.68	1/2	2,061.14	1/2	1,757.59
3/4		3/4	4,176.54	3/4	3,874.55	3/4	3,571.87	3/4	3,269.00	3/4	2,965.45	3/4	2,661.91	3/4	2,358.36	3/4	2,054.81	3/4	1,751.27
5		5	4,170.30	5	3,868.24	5	3,565.56	5	3,262.68	5	2,959.13	5	2,655.58	5	2,352.04	5	2,048.49	5	1,744.94
1/4		1/4	4,164.06	1/4	3,861.93	1/4	3,559.26	1/4	3,256.35	1/4	2,952.81	1/4	2,649.26	1/4	2,345.71	1/4	2,042.17	1/4	1,738.62
1/2		1/2	4,157.81	1/2	3,855.63	1/2	3,552.95	1/2	3,250.03	1/2	2,946.48	1/2	2,642.94	1/2	2,339.39	1/2	2,035.84	1/2	1,732.29
3/4		3/4	4,151.57	3/4	3,849.32	3/4	3,546.64	3/4	3,243.71	3/4	2,940.16	3/4	2,636.61	3/4	2,333.06	3/4	2,029.52	3/4	1,725.97
6		6	4,145.33	6	3,843.02	6	3,540.34	6	3,237.38	6	2,933.84	6	2,630.29	6	2,326.74	6	2,023.19	6	1,719.65
1/4		1/4	4,139.08	1/4	3,836.71	1/4	3,534.03	1/4	3,231.06	1/4	2,927.51	1/4	2,623.96	1/4	2,320.42	1/4	2,016.87	1/4	1,713.32
1/2		1/2	4,132.84	1/2	3,830.40	1/2	3,527.73	1/2	3,224.73	1/2	2,921.19	1/2	2,617.64	1/2	2,314.09	1/2	2,010.55	1/2	1,707.00
3/4		3/4	4,126.60	3/4	3,824.10	3/4	3,521.42	3/4	3,218.41	3/4	2,914.86	3/4	2,611.32	3/4	2,307.77	3/4	2,004.22	3/4	1,700.67
7		7	4,120.35	7	3,817.79	7	3,515.11	7	3,212.09	7	2,908.54	7	2,604.99	7	2,301.45	7	1,997.90	7	1,694.35
1/4		1/4	4,114.08	1/4	3,811.49	1/4	3,508.81	1/4	3,205.76	1/4	2,902.22	1/4	2,598.67	1/4	2,295.12	1/4	1,991.57	1/4	1,688.03
1/2		1/2	4,107.80	1/2	3,805.18	1/2	3,502.50	1/2	3,199.44	1/2	2,895.89	1/2	2,592.34	1/2	2,288.80	1/2	1,985.25	1/2	1,681.70
3/4		3/4	4,101.52	3/4	3,798.88	3/4	3,496.20	3/4	3,193.12	3/4	2,889.57	3/4	2,586.02	3/4	2,282.47	3/4	1,978.93	3/4	1,675.38
8		8	4,095.25	8	3,792.57	8	3,489.89	8	3,186.79	8	2,883.24	8	2,579.70	8	2,276.15	8	1,972.60	8	1,669.06
1/4		1/4	4,088.94	1/4	3,786.26	1/4	3,483.59	1/4	3,180.47	1/4	2,876.92	1/4	2,573.37	1/4	2,269.83	1/4	1,966.28	1/4	1,662.73
1/2		1/2	4,082.64	1/2	3,779.96	1/2	3,477.28	1/2	3,174.14	1/2	2,870.60	1/2	2,567.05	1/2	2,263.50	1/2	1,959.95	1/2	1,656.41
3/4		3/4	4,076.33	3/4	3,773.65	3/4	3,470.97	3/4	3,167.82	3/4	2,864.27	3/4	2,560.73	3/4	2,257.18	3/4	1,953.63	3/4	1,650.08
9		9	4,070.03	9	3,767.35	9	3,464.67	9	3,161.50	9	2,857.95	9	2,554.40	9	2,250.85	9	1,947.31	9	1,643.76
1/4		1/4	4,063.72	1/4	3,761.04	1/4	3,458.36	1/4	3,155.17	1/4	2,851.62	1/4	2,548.08	1/4	2,244.53	1/4	1,940.98	1/4	1,637.44
1/2		1/2	4,057.41	1/2	3,754.74	1/2	3,452.06	1/2	3,148.85	1/2	2,845.30	1/2	2,541.75	1/2	2,238.21	1/2	1,934.66	1/2	1,631.11
3/4		3/4	4,051.11	3/4	3,748.43	3/4	3,445.75	3/4	3,142.52	3/4	2,838.98	3/4	2,535.43	3/4	2,231.88	3/4	1,928.34	3/4	1,624.79
10		10	4,044.80	10	3,742.12	10	3,439.45	10	3,136.20	10	2,832.65	10	2,529.11	10	2,225.56	10	1,922.01	10	1,618.46
1/4		1/4	4,038.50	1/4	3,735.82	1/4	3,433.14	1/4	3,129.88	1/4	2,826.33	1/4	2,522.78	1/4	2,219.23	1/4	1,915.69	1/4	1,612.14
1/2		1/2	4,032.19	1/2	3,729.51	1/2	3,426.83	1/2	3,123.55	1/2	2,820.01	1/2	2,516.46	1/2	2,212.91	1/2	1,909.36	1/2	1,605.82
3/4		3/4	4,025.88	3/4	3,723.21	3/4	3,420.53	3/4	3,117.23	3/4	2,813.68	3/4	2,510.13	3/4	2,206.59	3/4	1,903.04	3/4	1,599.49
11	4,306.27	11	4,019.58	11	3,716.90	11	3,414.22	11	3,110.90	11	2,807.36	11	2,503.81	11	2,200.26	11	1,896.72	11	1,593.17
1/4	4,302.14	1/4	4,013.27	1/4	3,710.59	1/4	3,407.92	1/4	3,104.58	1/4	2,801.03	1/4	2,497.49	1/4	2,193.94	1/4	1,890.39	1/4	1,586.84
1/2	4,298.00	1/2	4,006.97	1/2	3,704.29	1/2	3,401.61	1/2	3,098.26	1/2	2,794.71	1/2	2,491.16	1/2	2,187.62	1/2	1,884.07	1/2	1,580.52
3/4	4,293.87	3/4	4,000.66	3/4	3,697.98	3/4	3,395.30	3/4	3,091.93	3/4	2,788.39	3/4	2,484.84	3/4	2,181.29	3/4	1,877.74	3/4	1,574.20

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 - TOP OF THREADS) LOCATED 12'-08" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (8" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 318"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,567.87	0	1,265.75	0	964.17	0	661.38	0	358.99	0	61.91	0		0		0		0	
1/4	1,561.55	1/4	1,259.57	1/4	957.85	1/4	655.06	1/4	352.86	1/4	56.20	1/4		1/4		1/4		1/4	
1/2	1,555.23	1/2	1,253.39	1/2	951.53	1/2	648.73	1/2	346.74	1/2	50.49	1/2		1/2		1/2		1/2	
3/4	1,548.90	3/4	1,247.21	3/4	945.21	3/4	642.41	3/4	340.61	3/4	44.77	3/4		3/4		3/4		3/4	
1	1,542.58	1	1,241.03	1	938.90	1	636.08	1	334.49	1	39.06	1		1		1		1	
1/4	1,536.25	1/4	1,234.84	1/4	932.59	1/4	629.76	1/4	328.36	1/4	34.52	1/4		1/4		1/4		1/4	
1/2	1,529.93	1/2	1,228.66	1/2	926.28	1/2	623.43	1/2	322.24	1/2	29.97	1/2		1/2		1/2		1/2	
3/4	1,523.61	3/4	1,222.48	3/4	919.97	3/4	617.11	3/4	316.11	3/4	25.43	3/4		3/4		3/4		3/4	
2	1,517.28	2	1,216.30	2	913.66	2	610.78	2	309.99	2	20.89	2		2		2		2	
1/4	1,510.96	1/4	1,210.12	1/4	907.35	1/4	604.46	1/4	303.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,504.63	1/2	1,203.94	1/2	901.05	1/2	598.13	1/2	297.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,498.31	3/4	1,197.76	3/4	894.74	3/4	591.81	3/4	291.61	3/4		3/4		3/4		3/4		3/4	
3	1,491.99	3	1,191.57	3	888.43	3	585.48	3	285.49	3		3		3		3		3	
1/4	1,485.66	1/4	1,185.32	1/4	882.13	1/4	579.16	1/4	279.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,479.34	1/2	1,179.07	1/2	875.83	1/2	572.83	1/2	273.24	1/2		1/2		1/2		1/2		1/2	
3/4	1,473.01	3/4	1,172.82	3/4	869.52	3/4	566.51	3/4	267.11	3/4		3/4		3/4		3/4		3/4	
4	1,466.69	4	1,166.56	4	863.22	4	560.18	4	260.99	4		4		4		4		4	
1/4	1,460.37	1/4	1,160.24	1/4	856.92	1/4	553.86	1/4	254.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,454.04	1/2	1,153.91	1/2	850.61	1/2	547.54	1/2	248.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,447.72	3/4	1,147.59	3/4	844.31	3/4	541.21	3/4	242.31	3/4		3/4		3/4		3/4		3/4	
5	1,441.39	5	1,141.26	5	838.01	5	534.89	5	236.09	5		5		5		5		5	
1/4	1,435.07	1/4	1,134.94	1/4	831.70	1/4	528.56	1/4	229.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,428.75	1/2	1,128.61	1/2	825.40	1/2	522.24	1/2	223.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,422.42	3/4	1,122.29	3/4	819.10	3/4	515.91	3/4	217.11	3/4		3/4		3/4		3/4		3/4	
6	1,416.10	6	1,115.96	6	812.79	6	509.59	6	210.79	6		6		6		6		6	
1/4	1,409.78	1/4	1,109.64	1/4	806.49	1/4	503.26	1/4	204.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,403.45	1/2	1,103.31	1/2	800.18	1/2	496.94	1/2	198.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,397.13	3/4	1,096.99	3/4	793.88	3/4	490.61	3/4	191.81	3/4		3/4		3/4		3/4		3/4	
7	1,390.80	7	1,090.66	7	787.58	7	484.29	7	185.49	7		7		7		7		7	
1/4	1,384.48	1/4	1,084.34	1/4	781.27	1/4	477.96	1/4	179.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,378.16	1/2	1,078.01	1/2	774.97	1/2	471.64	1/2	172.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,371.83	3/4	1,071.69	3/4	768.67	3/4	465.31	3/4	166.52	3/4		3/4		3/4		3/4		3/4	
8	1,365.51	8	1,065.36	8	762.36	8	458.99	8	160.19	8		8		8		8		8	
1/4	1,359.18	1/4	1,059.04	1/4	756.06	1/4	452.66	1/4	153.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,352.86	1/2	1,052.71	1/2	749.76	1/2	446.34	1/2	147.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,346.54	3/4	1,046.39	3/4	743.45	3/4	440.02	3/4	141.52	3/4		3/4		3/4		3/4		3/4	
9	1,340.21	9	1,040.06	9	737.15	9	433.69	9	135.29	9		9		9		9		9	
1/4	1,333.96	1/4	1,033.74	1/4	730.84	1/4	427.37	1/4	129.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,327.71	1/2	1,027.41	1/2	724.54	1/2	421.04	1/2	123.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,321.45	3/4	1,021.09	3/4	718.24	3/4	414.72	3/4	116.92	3/4		3/4		3/4		3/4		3/4	
10	1,315.20	10	1,014.76	10	711.93	10	408.39	10	110.80	10		10		10		10		10	
1/4	1,309.02	1/4	1,008.44	1/4	705.62	1/4	402.17	1/4	104.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,302.84	1/2	1,002.11	1/2	699.31	1/2	395.94	1/2	98.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,296.66	3/4	995.79	3/4	692.99	3/4	389.72	3/4	92.45	3/4		3/4		3/4		3/4		3/4	
11	1,290.48	11	989.46	11	686.68	11	383.49	11	86.33	11		11		11		11		11	
1/4	1,284.29	1/4	983.14	1/4	680.35	1/4	377.37	1/4	80.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,278.11	1/2	976.82	1/2	674.03	1/2	371.24	1/2	74.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,271.93	3/4	970.49	3/4	667.70	3/4	365.12	3/4	68.02	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/13/2019 JS
CALCULATED: 06/14/2019 CL
PRINTED: 06/15/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2019

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



BARGE "MM 318"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0	4,288.98	0	3,997.64	0	3,694.65	0	3,391.67	0	3,088.00	0	2,784.15	0	2,480.29	0	2,176.44	0	1,872.58		
1/4		1/4	4,284.84	1/4	3,991.33	1/4	3,688.34	1/4	3,385.36	1/4	3,081.67	1/4	2,777.82	1/4	2,473.96	1/4	2,170.11	1/4	1,866.25		
1/2		1/2	4,280.70	1/2	3,985.02	1/2	3,682.03	1/2	3,379.04	1/2	3,075.34	1/2	2,771.49	1/2	2,467.63	1/2	2,163.78	1/2	1,859.92		
3/4		3/4	4,275.51	3/4	3,978.70	3/4	3,675.72	3/4	3,372.73	3/4	3,069.01	3/4	2,765.15	3/4	2,461.30	3/4	2,157.45	3/4	1,853.59		
1		1	4,270.32	1	3,972.39	1	3,669.41	1	3,366.42	1	3,062.68	1	2,758.82	1	2,454.97	1	2,151.12	1	1,847.26		
1/4		1/4	4,265.12	1/4	3,966.08	1/4	3,663.09	1/4	3,360.11	1/4	3,056.35	1/4	2,752.49	1/4	2,448.64	1/4	2,144.79	1/4	1,840.93		
1/2		1/2	4,259.93	1/2	3,959.77	1/2	3,656.78	1/2	3,353.80	1/2	3,050.02	1/2	2,746.16	1/2	2,442.31	1/2	2,138.46	1/2	1,834.60		
3/4		3/4	4,253.96	3/4	3,953.45	3/4	3,650.47	3/4	3,347.48	3/4	3,043.69	3/4	2,739.83	3/4	2,435.98	3/4	2,132.12	3/4	1,828.27		
2		2	4,247.99	2	3,947.14	2	3,644.16	2	3,341.17	2	3,037.36	2	2,733.50	2	2,429.65	2	2,125.79	2	1,821.94		
1/4		1/4	4,242.02	1/4	3,940.83	1/4	3,637.84	1/4	3,334.86	1/4	3,031.03	1/4	2,727.17	1/4	2,423.32	1/4	2,119.46	1/4	1,815.61		
1/2		1/2	4,236.05	1/2	3,934.52	1/2	3,631.53	1/2	3,328.55	1/2	3,024.70	1/2	2,720.84	1/2	2,416.99	1/2	2,113.13	1/2	1,809.28		
3/4		3/4	4,229.82	3/4	3,928.21	3/4	3,625.22	3/4	3,322.22	3/4	3,018.37	3/4	2,714.51	3/4	2,410.66	3/4	2,106.80	3/4	1,802.95		
3		3	4,223.59	3	3,921.89	3	3,618.91	3	3,315.89	3	3,012.04	3	2,708.18	3	2,404.33	3	2,100.47	3	1,796.62		
1/4		1/4	4,217.36	1/4	3,915.58	1/4	3,612.60	1/4	3,309.56	1/4	3,005.71	1/4	2,701.85	1/4	2,398.00	1/4	2,094.14	1/4	1,790.29		
1/2		1/2	4,211.13	1/2	3,909.27	1/2	3,606.28	1/2	3,303.23	1/2	2,999.38	1/2	2,695.52	1/2	2,391.67	1/2	2,087.81	1/2	1,783.96		
3/4		3/4	4,204.88	3/4	3,902.96	3/4	3,599.97	3/4	3,296.90	3/4	2,993.05	3/4	2,689.19	3/4	2,385.34	3/4	2,081.48	3/4	1,777.63		
4		4	4,198.63	4	3,896.64	4	3,593.66	4	3,290.57	4	2,986.72	4	2,682.86	4	2,379.01	4	2,075.15	4	1,771.30		
1/4		1/4	4,192.39	1/4	3,890.33	1/4	3,587.35	1/4	3,284.24	1/4	2,980.39	1/4	2,676.53	1/4	2,372.68	1/4	2,068.82	1/4	1,764.97		
1/2		1/2	4,186.14	1/2	3,884.02	1/2	3,581.03	1/2	3,277.91	1/2	2,974.05	1/2	2,670.20	1/2	2,366.35	1/2	2,062.49	1/2	1,758.64		
3/4		3/4	4,179.89	3/4	3,877.71	3/4	3,574.72	3/4	3,271.58	3/4	2,967.72	3/4	2,663.87	3/4	2,360.02	3/4	2,056.16	3/4	1,752.31		
5		5	4,173.64	5	3,871.40	5	3,568.41	5	3,265.25	5	2,961.39	5	2,657.54	5	2,353.69	5	2,049.83	5	1,745.98		
1/4		1/4	4,167.39	1/4	3,865.08	1/4	3,562.10	1/4	3,258.92	1/4	2,955.06	1/4	2,651.21	1/4	2,347.36	1/4	2,043.50	1/4	1,739.65		
1/2		1/2	4,161.14	1/2	3,858.77	1/2	3,555.79	1/2	3,252.59	1/2	2,948.73	1/2	2,644.88	1/2	2,341.02	1/2	2,037.17	1/2	1,733.32		
3/4		3/4	4,154.89	3/4	3,852.46	3/4	3,549.47	3/4	3,246.26	3/4	2,942.40	3/4	2,638.55	3/4	2,334.69	3/4	2,030.84	3/4	1,726.99		
6		6	4,148.64	6	3,846.15	6	3,543.16	6	3,239.93	6	2,936.07	6	2,632.22	6	2,328.36	6	2,024.51	6	1,720.66		
1/4		1/4	4,142.39	1/4	3,839.83	1/4	3,536.85	1/4	3,233.60	1/4	2,929.74	1/4	2,625.89	1/4	2,322.03	1/4	2,018.18	1/4	1,714.33		
1/2		1/2	4,136.14	1/2	3,833.52	1/2	3,530.54	1/2	3,227.27	1/2	2,923.41	1/2	2,619.56	1/2	2,315.70	1/2	2,011.85	1/2	1,707.99		
3/4		3/4	4,129.89	3/4	3,827.21	3/4	3,524.22	3/4	3,220.94	3/4	2,917.08	3/4	2,613.23	3/4	2,309.37	3/4	2,005.52	3/4	1,701.66		
7		7	4,123.64	7	3,820.90	7	3,517.91	7	3,214.61	7	2,910.75	7	2,606.90	7	2,303.04	7	1,999.19	7	1,695.33		
1/4		1/4	4,117.39	1/4	3,814.59	1/4	3,511.60	1/4	3,208.28	1/4	2,904.42	1/4	2,600.57	1/4	2,296.71	1/4	1,992.86	1/4	1,689.00		
1/2		1/2	4,111.14	1/2	3,808.27	1/2	3,505.29	1/2	3,201.95	1/2	2,898.09	1/2	2,594.24	1/2	2,290.38	1/2	1,986.53	1/2	1,682.67		
3/4		3/4	4,104.86	3/4	3,801.96	3/4	3,498.98	3/4	3,195.62	3/4	2,891.76	3/4	2,587.91	3/4	2,284.05	3/4	1,980.20	3/4	1,676.34		
8		8	4,098.58	8	3,795.65	8	3,492.66	8	3,189.29	8	2,885.43	8	2,581.58	8	2,277.72	8	1,973.87	8	1,670.01		
1/4		1/4	4,092.29	1/4	3,789.34	1/4	3,486.35	1/4	3,182.95	1/4	2,879.10	1/4	2,575.25	1/4	2,271.39	1/4	1,967.54	1/4	1,663.68		
1/2		1/2	4,086.01	1/2	3,783.02	1/2	3,480.04	1/2	3,176.62	1/2	2,872.77	1/2	2,568.92	1/2	2,265.06	1/2	1,961.21	1/2	1,657.35		
3/4		3/4	4,079.70	3/4	3,776.71	3/4	3,473.73	3/4	3,170.29	3/4	2,866.44	3/4	2,562.59	3/4	2,258.73	3/4	1,954.88	3/4	1,651.02		
9		9	4,073.39	9	3,770.40	9	3,467.41	9	3,163.96	9	2,860.11	9	2,556.26	9	2,252.40	9	1,948.55	9	1,644.69		
1/4		1/4	4,067.07	1/4	3,764.09	1/4	3,461.10	1/4	3,157.63	1/4	2,853.78	1/4	2,549.92	1/4	2,246.07	1/4	1,942.22	1/4	1,638.36		
1/2		1/2	4,060.76	1/2	3,757.78	1/2	3,454.79	1/2	3,151.30	1/2	2,847.45	1/2	2,543.59	1/2	2,239.74	1/2	1,935.89	1/2	1,632.03		
3/4		3/4	4,054.45	3/4	3,751.46	3/4	3,448.48	3/4	3,144.97	3/4	2,841.12	3/4	2,537.26	3/4	2,233.41	3/4	1,929.56	3/4	1,625.70		
10		10	4,048.14	10	3,745.15	10	3,442.17	10	3,138.64	10	2,834.79	10	2,530.93	10	2,227.08	10	1,923.23	10	1,619.37		
1/4		1/4	4,041.83	1/4	3,738.84	1/4	3,435.85	1/4	3,132.31	1/4	2,828.46	1/4	2,524.60	1/4	2,220.75	1/4	1,916.89	1/4	1,613.04		
1/2		1/2	4,035.51	1/2	3,732.53	1/2	3,429.54	1/2	3,125.98	1/2	2,822.13	1/2	2,518.27	1/2	2,214.42	1/2	1,910.56	1/2	1,606.71		
3/4		3/4	4,029.20	3/4	3,726.22	3/4	3,423.23	3/4	3,119.65	3/4	2,815.80	3/4	2,511.94	3/4	2,208.09	3/4	1,904.23	3/4	1,600.38		
11		11	4,022.89	11	3,719.90	11	3,416.92	11	3,113.32	11	2,809.47	11	2,505.61	11	2,201.76	11	1,897.90	11	1,594.05		
1/4		1/4	4,016.58	1/4	3,713.59	1/4	3,410.61	1/4	3,106.99	1/4	2,803.14	1/4	2,499.28	1/4	2,195.43	1/4	1,891.57	1/4	1,587.72		
1/2		1/2	4,297.26	1/2	4,010.26	1/2	3,707.28	1/2	3,404.29	1/2	3,100.66	1/2	2,796.81	1/2	2,492.95	1/2	2,189.10	1/2	1,885.24	1/2	1,581.39
3/4		3/4	4,293.12	3/4	4,003.95	3/4	3,700.97	3/4	3,397.98	3/4	3,094.33	3/4	2,790.48	3/4	2,486.62	3/4	2,182.77	3/4	1,878.91	3/4	1,575.06

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 - TOP OF THREADS) LOCATED 12'-08" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 34'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 318"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,568.73	0	1,266.01	0	965.52	0	674.72	0	371.62	0	74.19	0		0		0		0	
1/4	1,562.40	1/4	1,259.83	1/4	959.47	1/4	668.39	1/4	365.49	1/4	68.08	1/4		1/4		1/4		1/4	
1/2	1,556.07	1/2	1,253.64	1/2	953.42	1/2	662.05	1/2	359.35	1/2	61.97	1/2		1/2		1/2		1/2	
3/4	1,549.74	3/4	1,247.45	3/4	947.38	3/4	655.72	3/4	353.22	3/4	56.25	3/4		3/4		3/4		3/4	
1	1,543.41	1	1,241.26	1	941.33	1	649.39	1	347.09	1	50.53	1		1		1		1	
1/4	1,537.08	1/4	1,235.08	1/4	935.29	1/4	643.06	1/4	340.96	1/4	44.81	1/4		1/4		1/4		1/4	
1/2	1,530.75	1/2	1,228.89	1/2	929.24	1/2	636.73	1/2	334.83	1/2	39.09	1/2		1/2		1/2		1/2	
3/4	1,524.42	3/4	1,222.70	3/4	923.21	3/4	630.40	3/4	328.70	3/4	34.55	3/4		3/4		3/4		3/4	
2	1,518.09	2	1,216.51	2	917.17	2	624.07	2	322.57	2	30.00	2		2		2		2	
1/4	1,511.76	1/4	1,210.32	1/4	911.13	1/4	617.74	1/4	316.43	1/4	25.45	1/4		1/4		1/4		1/4	
1/2	1,505.43	1/2	1,204.14	1/2	905.10	1/2	611.41	1/2	310.30	1/2	20.91	1/2		1/2		1/2		1/2	
3/4	1,499.09	3/4	1,197.95	3/4	899.07	3/4	605.07	3/4	304.17	3/4		3/4		3/4		3/4		3/4	
3	1,492.76	3	1,191.76	3	893.03	3	598.74	3	298.04	3		3		3		3		3	
1/4	1,486.43	1/4	1,185.57	1/4	887.00	1/4	592.41	1/4	291.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,480.10	1/2	1,179.39	1/2	880.96	1/2	586.08	1/2	285.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,473.77	3/4	1,173.13	3/4	874.93	3/4	579.75	3/4	279.64	3/4		3/4		3/4		3/4		3/4	
4	1,467.44	4	1,166.87	4	868.90	4	573.42	4	273.51	4		4		4		4		4	
1/4	1,461.11	1/4	1,160.61	1/4	862.87	1/4	567.09	1/4	267.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,454.78	1/2	1,154.35	1/2	856.84	1/2	560.76	1/2	261.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,448.45	3/4	1,148.02	3/4	850.81	3/4	554.42	3/4	255.02	3/4		3/4		3/4		3/4		3/4	
5	1,442.12	5	1,141.69	5	844.78	5	548.09	5	248.79	5		5		5		5		5	
1/4	1,435.79	1/4	1,135.36	1/4	838.75	1/4	541.76	1/4	242.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,429.46	1/2	1,129.02	1/2	832.72	1/2	535.43	1/2	236.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,423.13	3/4	1,122.69	3/4	826.69	3/4	529.10	3/4	229.99	3/4		3/4		3/4		3/4		3/4	
6	1,416.80	6	1,116.36	6	820.66	6	522.77	6	223.66	6		6		6		6		6	
1/4	1,410.47	1/4	1,110.03	1/4	814.62	1/4	516.44	1/4	217.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,404.14	1/2	1,103.70	1/2	808.59	1/2	510.11	1/2	211.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,397.81	3/4	1,097.37	3/4	802.56	3/4	503.77	3/4	204.67	3/4		3/4		3/4		3/4		3/4	
7	1,391.48	7	1,091.04	7	796.53	7	497.44	7	198.34	7		7		7		7		7	
1/4	1,385.15	1/4	1,084.70	1/4	790.50	1/4	491.11	1/4	192.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,378.82	1/2	1,078.37	1/2	784.47	1/2	484.78	1/2	185.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,372.49	3/4	1,072.04	3/4	778.44	3/4	478.45	3/4	179.35	3/4		3/4		3/4		3/4		3/4	
8	1,366.16	8	1,065.71	8	772.41	8	472.12	8	173.01	8		8		8		8		8	
1/4	1,359.83	1/4	1,059.38	1/4	766.38	1/4	465.79	1/4	166.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,353.50	1/2	1,053.05	1/2	760.35	1/2	459.46	1/2	160.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,347.17	3/4	1,046.72	3/4	754.32	3/4	453.13	3/4	154.12	3/4		3/4		3/4		3/4		3/4	
9	1,340.84	9	1,040.38	9	748.28	9	446.79	9	147.89	9		9		9		9		9	
1/4	1,334.51	1/4	1,034.05	1/4	742.25	1/4	440.46	1/4	141.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,328.18	1/2	1,027.72	1/2	736.22	1/2	434.13	1/2	135.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,321.92	3/4	1,021.39	3/4	730.19	3/4	427.80	3/4	129.30	3/4		3/4		3/4		3/4		3/4	
10	1,315.66	10	1,015.06	10	724.16	10	421.47	10	123.17	10		10		10		10		10	
1/4	1,309.40	1/4	1,008.73	1/4	718.13	1/4	415.14	1/4	117.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,303.14	1/2	1,002.40	1/2	712.10	1/2	408.81	1/2	110.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,296.95	3/4	996.20	3/4	705.92	3/4	402.58	3/4	104.79	3/4		3/4		3/4		3/4		3/4	
11	1,290.77	11	990.01	11	699.74	11	396.34	11	98.66	11		11		11		11		11	
1/4	1,284.58	1/4	983.82	1/4	693.56	1/4	390.11	1/4	92.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,278.39	1/2	977.63	1/2	687.38	1/2	383.88	1/2	86.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,272.20	3/4	971.58	3/4	681.05	3/4	377.75	3/4	80.30	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/13/2019 JS
CALCULATED: 06/14/2019 CL
PRINTED: 06/15/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2019

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



BARGE "MM 318"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	4,277.29	0	3,978.34	0	3,675.45	0	3,372.55	0	3,068.87	0	2,765.11	0	2,461.34	0	2,157.57	0	1,853.80
1/4		1/4	4,272.10	1/4	3,972.03	1/4	3,669.14	1/4	3,366.24	1/4	3,062.55	1/4	2,758.78	1/4	2,455.01	1/4	2,151.24	1/4	1,847.47
1/2		1/2	4,266.13	1/2	3,965.72	1/2	3,662.82	1/2	3,359.93	1/2	3,056.22	1/2	2,752.45	1/2	2,448.68	1/2	2,144.91	1/2	1,841.14
3/4		3/4	4,260.16	3/4	3,959.41	3/4	3,656.51	3/4	3,353.62	3/4	3,049.89	3/4	2,746.12	3/4	2,442.35	3/4	2,138.58	3/4	1,834.82
1		1	4,254.19	1	3,953.10	1	3,650.20	1	3,347.30	1	3,043.56	1	2,739.79	1	2,436.02	1	2,132.26	1	1,828.49
1/4		1/4	4,248.23	1/4	3,946.79	1/4	3,643.89	1/4	3,340.99	1/4	3,037.23	1/4	2,733.46	1/4	2,429.70	1/4	2,125.93	1/4	1,822.16
1/2		1/2	4,242.00	1/2	3,940.48	1/2	3,637.58	1/2	3,334.67	1/2	3,030.90	1/2	2,727.13	1/2	2,423.37	1/2	2,119.60	1/2	1,815.83
3/4		3/4	4,235.77	3/4	3,934.17	3/4	3,631.27	3/4	3,328.34	3/4	3,024.57	3/4	2,720.81	3/4	2,417.04	3/4	2,113.27	3/4	1,809.50
2		2	4,229.54	2	3,927.86	2	3,624.96	2	3,322.01	2	3,018.25	2	2,714.48	2	2,410.71	2	2,106.94	2	1,803.17
1/4		1/4	4,223.31	1/4	3,921.55	1/4	3,618.65	1/4	3,315.69	1/4	3,011.92	1/4	2,708.15	1/4	2,404.38	1/4	2,100.61	1/4	1,796.85
1/2		1/2	4,217.07	1/2	3,915.24	1/2	3,612.34	1/2	3,309.36	1/2	3,005.59	1/2	2,701.82	1/2	2,398.05	1/2	2,094.28	1/2	1,790.52
3/4		3/4	4,210.83	3/4	3,908.93	3/4	3,606.03	3/4	3,303.03	3/4	2,999.26	3/4	2,695.49	3/4	2,391.72	3/4	2,087.96	3/4	1,784.19
3		3	4,204.58	3	3,902.62	3	3,599.72	3	3,296.70	3	2,992.93	3	2,689.16	3	2,385.40	3	2,081.63	3	1,777.86
1/4		1/4	4,198.34	1/4	3,896.31	1/4	3,593.41	1/4	3,290.37	1/4	2,986.60	1/4	2,682.84	1/4	2,379.07	1/4	2,075.30	1/4	1,771.53
1/2		1/2	4,192.09	1/2	3,890.00	1/2	3,587.10	1/2	3,284.04	1/2	2,980.27	1/2	2,676.51	1/2	2,372.74	1/2	2,068.97	1/2	1,765.20
3/4		3/4	4,185.85	3/4	3,883.69	3/4	3,580.79	3/4	3,277.71	3/4	2,973.95	3/4	2,670.18	3/4	2,366.41	3/4	2,062.64	3/4	1,758.87
4		4	4,179.60	4	3,877.38	4	3,574.48	4	3,271.39	4	2,967.62	4	2,663.85	4	2,360.08	4	2,056.31	4	1,752.55
1/4		1/4	4,173.35	1/4	3,871.07	1/4	3,568.17	1/4	3,265.06	1/4	2,961.29	1/4	2,657.52	1/4	2,353.75	1/4	2,049.99	1/4	1,746.22
1/2		1/2	4,167.10	1/2	3,864.76	1/2	3,561.86	1/2	3,258.73	1/2	2,954.96	1/2	2,651.19	1/2	2,347.42	1/2	2,043.66	1/2	1,739.89
3/4		3/4	4,160.86	3/4	3,858.45	3/4	3,555.55	3/4	3,252.40	3/4	2,948.63	3/4	2,644.86	3/4	2,341.10	3/4	2,037.33	3/4	1,733.56
5		5	4,154.61	5	3,852.14	5	3,549.24	5	3,246.07	5	2,942.30	5	2,638.54	5	2,334.77	5	2,031.00	5	1,727.23
1/4		1/4	4,148.36	1/4	3,845.83	1/4	3,542.93	1/4	3,239.74	1/4	2,935.98	1/4	2,632.21	1/4	2,328.44	1/4	2,024.67	1/4	1,720.90
1/2		1/2	4,142.11	1/2	3,839.52	1/2	3,536.62	1/2	3,233.41	1/2	2,929.65	1/2	2,625.88	1/2	2,322.11	1/2	2,018.34	1/2	1,714.57
3/4		3/4	4,135.86	3/4	3,833.21	3/4	3,530.31	3/4	3,227.09	3/4	2,923.32	3/4	2,619.55	3/4	2,315.78	3/4	2,012.01	3/4	1,708.25
6		6	4,129.62	6	3,826.90	6	3,524.00	6	3,220.76	6	2,916.99	6	2,613.22	6	2,309.45	6	2,005.69	6	1,701.92
1/4		1/4	4,123.37	1/4	3,820.58	1/4	3,517.69	1/4	3,214.43	1/4	2,910.66	1/4	2,606.89	1/4	2,303.13	1/4	1,999.36	1/4	1,695.59
1/2		1/2	4,117.09	1/2	3,814.27	1/2	3,511.38	1/2	3,208.10	1/2	2,904.33	1/2	2,600.56	1/2	2,296.80	1/2	1,993.03	1/2	1,689.26
3/4		3/4	4,110.81	3/4	3,807.96	3/4	3,505.06	3/4	3,201.77	3/4	2,898.00	3/4	2,594.24	3/4	2,290.47	3/4	1,986.70	3/4	1,682.93
7		7	4,104.52	7	3,801.65	7	3,498.75	7	3,195.44	7	2,891.68	7	2,587.91	7	2,284.14	7	1,980.37	7	1,676.60
1/4		1/4	4,098.24	1/4	3,795.34	1/4	3,492.44	1/4	3,189.12	1/4	2,885.35	1/4	2,581.58	1/4	2,277.81	1/4	1,974.04	1/4	1,670.28
1/2		1/2	4,091.93	1/2	3,789.03	1/2	3,486.13	1/2	3,182.79	1/2	2,879.02	1/2	2,575.25	1/2	2,271.48	1/2	1,967.71	1/2	1,663.95
3/4		3/4	4,085.62	3/4	3,782.72	3/4	3,479.82	3/4	3,176.46	3/4	2,872.69	3/4	2,568.92	3/4	2,265.15	3/4	1,961.39	3/4	1,657.62
8		8	4,079.31	8	3,776.41	8	3,473.51	8	3,170.13	8	2,866.36	8	2,562.59	8	2,258.83	8	1,955.06	8	1,651.29
1/4		1/4	4,073.00	1/4	3,770.10	1/4	3,467.20	1/4	3,163.80	1/4	2,860.03	1/4	2,556.27	1/4	2,252.50	1/4	1,948.73	1/4	1,644.96
1/2		1/2	4,066.69	1/2	3,763.79	1/2	3,460.89	1/2	3,157.47	1/2	2,853.70	1/2	2,549.94	1/2	2,246.17	1/2	1,942.40	1/2	1,638.63
3/4		3/4	4,060.38	3/4	3,757.48	3/4	3,454.58	3/4	3,151.14	3/4	2,847.38	3/4	2,543.61	3/4	2,239.84	3/4	1,936.07	3/4	1,632.30
9		9	4,054.07	9	3,751.17	9	3,448.27	9	3,144.82	9	2,841.05	9	2,537.28	9	2,233.51	9	1,929.74	9	1,625.98
1/4		1/4	4,047.76	1/4	3,744.86	1/4	3,441.96	1/4	3,138.49	1/4	2,834.72	1/4	2,530.95	1/4	2,227.18	1/4	1,923.42	1/4	1,619.65
1/2		1/2	4,041.45	1/2	3,738.55	1/2	3,435.65	1/2	3,132.16	1/2	2,828.39	1/2	2,524.62	1/2	2,220.85	1/2	1,917.09	1/2	1,613.32
3/4		3/4	4,035.14	3/4	3,732.24	3/4	3,429.34	3/4	3,125.83	3/4	2,822.06	3/4	2,518.29	3/4	2,214.53	3/4	1,910.76	3/4	1,606.99
10		10	4,028.83	10	3,725.93	10	3,423.03	10	3,119.50	10	2,815.73	10	2,511.97	10	2,208.20	10	1,904.43	10	1,600.66
1/4	4,309.42	1/4	4,022.52	1/4	3,719.62	1/4	3,416.72	1/4	3,113.17	1/4	2,809.41	1/4	2,505.64	1/4	2,201.87	1/4	1,898.10	1/4	1,594.33
1/2	4,305.28	1/2	4,016.21	1/2	3,713.31	1/2	3,410.41	1/2	3,106.84	1/2	2,803.08	1/2	2,499.31	1/2	2,195.54	1/2	1,891.77	1/2	1,588.00
3/4	4,301.14	3/4	4,009.90	3/4	3,707.00	3/4	3,404.10	3/4	3,100.52	3/4	2,796.75	3/4	2,492.98	3/4	2,189.21	3/4	1,885.44	3/4	1,581.68
11	4,297.01	11	4,003.59	11	3,700.69	11	3,397.79	11	3,094.19	11	2,790.42	11	2,486.65	11	2,182.88	11	1,879.12	11	1,575.35
1/4	4,292.87	1/4	3,997.28	1/4	3,694.38	1/4	3,391.48	1/4	3,087.86	1/4	2,784.09	1/4	2,480.32	1/4	2,176.56	1/4	1,872.79	1/4	1,569.02
1/2	4,287.68	1/2	3,990.97	1/2	3,688.07	1/2	3,385.17	1/2	3,081.53	1/2	2,777.76	1/2	2,473.99	1/2	2,170.23	1/2	1,866.46	1/2	1,562.69
3/4	4,282.48	3/4	3,984.66	3/4	3,681.76	3/4	3,378.86	3/4	3,075.20	3/4	2,771.43	3/4	2,467.67	3/4	2,163.90	3/4	1,860.13	3/4	1,556.36

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 - TOP OF THREADS) LOCATED 12'-08" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 34'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 318"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	1,550.03		1,248.12		945.91		642.88		340.86		44.81								
1/4	1,543.71	1/4	1,241.93	1/4	939.58	1/4	636.55	1/4	334.73	1/4	39.09	1/4		1/4		1/4		1/4	
1/2	1,537.38	1/2	1,235.75	1/2	933.27	1/2	630.22	1/2	328.61	1/2	34.54	1/2		1/2		1/2		1/2	
3/4	1,531.05	3/4	1,229.56	3/4	926.96	3/4	623.89	3/4	322.48	3/4	29.99	3/4		3/4		3/4		3/4	
1	1,524.72	1	1,223.38	1	920.64	1	617.56	1	316.35	1	25.45	1		1		1		1	
1/4	1,518.39	1/4	1,217.19	1/4	914.33	1/4	611.23	1/4	310.22	1/4	20.90	1/4		1/4		1/4		1/4	
1/2	1,512.06	1/2	1,211.00	1/2	908.02	1/2	604.90	1/2	304.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,505.73	3/4	1,204.82	3/4	901.71	3/4	598.57	3/4	297.96	3/4		3/4		3/4		3/4		3/4	
2	1,499.41	2	1,198.63	2	895.40	2	592.24	2	291.83	2		2		2		2		2	
1/4	1,493.08	1/4	1,192.45	1/4	889.09	1/4	585.91	1/4	285.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,486.75	1/2	1,186.19	1/2	882.78	1/2	579.58	1/2	279.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,480.42	3/4	1,179.93	3/4	876.47	3/4	573.25	3/4	273.44	3/4		3/4		3/4		3/4		3/4	
3	1,474.09	3	1,173.68	3	870.16	3	566.92	3	267.31	3		3		3		3		3	
1/4	1,467.76	1/4	1,167.42	1/4	863.85	1/4	560.59	1/4	261.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,461.43	1/2	1,161.09	1/2	857.54	1/2	554.27	1/2	254.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,455.11	3/4	1,154.76	3/4	851.24	3/4	547.94	3/4	248.72	3/4		3/4		3/4		3/4		3/4	
4	1,448.78	4	1,148.43	4	844.93	4	541.61	4	242.49	4		4		4		4		4	
1/4	1,442.45	1/4	1,142.10	1/4	838.62	1/4	535.28	1/4	236.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,436.12	1/2	1,135.77	1/2	832.31	1/2	528.95	1/2	229.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,429.79	3/4	1,129.44	3/4	826.00	3/4	522.62	3/4	223.60	3/4		3/4		3/4		3/4		3/4	
5	1,423.46	5	1,123.11	5	819.69	5	516.29	5	217.27	5		5		5		5		5	
1/4	1,417.14	1/4	1,116.78	1/4	813.39	1/4	509.96	1/4	210.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,410.81	1/2	1,110.45	1/2	807.08	1/2	503.63	1/2	204.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,404.48	3/4	1,104.12	3/4	800.77	3/4	497.30	3/4	198.28	3/4		3/4		3/4		3/4		3/4	
6	1,398.15	6	1,097.79	6	794.46	6	490.97	6	191.96	6		6		6		6		6	
1/4	1,391.82	1/4	1,091.46	1/4	788.15	1/4	484.64	1/4	185.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,385.49	1/2	1,085.13	1/2	781.85	1/2	478.31	1/2	179.30	1/2		1/2		1/2		1/2		1/2	
3/4	1,379.16	3/4	1,078.80	3/4	775.54	3/4	471.98	3/4	172.97	3/4		3/4		3/4		3/4		3/4	
7	1,372.84	7	1,072.47	7	769.23	7	465.65	7	166.64	7		7		7		7		7	
1/4	1,366.51	1/4	1,066.14	1/4	762.92	1/4	459.33	1/4	160.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,360.18	1/2	1,059.81	1/2	756.61	1/2	453.00	1/2	154.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,353.85	3/4	1,053.49	3/4	750.30	3/4	446.67	3/4	147.85	3/4		3/4		3/4		3/4		3/4	
8	1,347.52	8	1,047.16	8	744.00	8	440.34	8	141.62	8		8		8		8		8	
1/4	1,341.19	1/4	1,040.83	1/4	737.69	1/4	434.01	1/4	135.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,334.94	1/2	1,034.50	1/2	731.38	1/2	427.68	1/2	129.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,328.68	3/4	1,028.17	3/4	725.07	3/4	421.35	3/4	123.14	3/4		3/4		3/4		3/4		3/4	
9	1,322.42	9	1,021.84	9	718.76	9	415.02	9	117.01	9		9		9		9		9	
1/4	1,316.16	1/4	1,015.51	1/4	712.46	1/4	408.69	1/4	110.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,309.98	1/2	1,009.18	1/2	706.14	1/2	402.46	1/2	104.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,303.79	3/4	1,002.85	3/4	699.82	3/4	396.23	3/4	98.64	3/4		3/4		3/4		3/4		3/4	
10	1,297.61	10	996.52	10	693.50	10	390.00	10	92.51	10		10		10		10		10	
1/4	1,291.42	1/4	990.19	1/4	687.18	1/4	383.77	1/4	86.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,285.24	1/2	983.86	1/2	680.85	1/2	377.64	1/2	80.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,279.05	3/4	977.53	3/4	674.52	3/4	371.51	3/4	74.17	3/4		3/4		3/4		3/4		3/4	
11	1,272.86	11	971.20	11	668.19	11	365.38	11	68.07	11		11		11		11		11	
1/4	1,266.68	1/4	964.87	1/4	661.86	1/4	359.25	1/4	61.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,260.49	1/2	958.55	1/2	655.53	1/2	353.12	1/2	56.24	1/2		1/2		1/2		1/2		1/2	
3/4	1,254.31	3/4	952.23	3/4	649.20	3/4	346.99	3/4	50.52	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/13/2019 JS
CALCULATED: 06/14/2019 CL
PRINTED: 06/15/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2019

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



BARGE "MM 318"

4 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-11 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	2,075.65	0	1,887.05	0	1,669.15	0	1,451.25	0	1,233.01	0	1,014.92	0	799.97	0	585.48	0	372.25	0	156.56
1/4	1/4	2,074.38	1,882.51	1,664.61	1,446.71	1,228.46	1,010.41	795.45	581.12	367.70	152.14										
1/2	1/2	2,073.11	1,877.97	1,660.07	1,442.17	1,223.91	1,005.90	790.93	576.77	363.15	147.73										
3/4	3/4	2,071.07	1,873.43	1,655.53	1,437.63	1,219.35	1,001.39	786.38	572.41	358.60	143.20										
1	1	2,069.04	1,868.89	1,650.99	1,433.09	1,214.80	996.88	781.83	568.06	354.04	138.68										
1/4	1/4	2,067.00	1,864.35	1,646.45	1,428.55	1,210.24	992.37	777.27	563.70	349.49	134.16										
1/2	1/2	2,064.97	1,859.81	1,641.91	1,424.01	1,205.69	987.86	772.72	559.35	344.94	129.64										
3/4	3/4	2,062.17	1,855.27	1,637.37	1,419.47	1,201.14	983.35	768.17	554.99	340.39	125.08										
2	2	2,059.38	1,850.73	1,632.83	1,414.93	1,196.58	978.84	763.62	550.63	335.83	120.52										
1/4	1/4	2,056.58	1,846.19	1,628.29	1,410.39	1,192.03	974.33	759.07	546.28	331.28	115.96										
1/2	1/2	2,053.79	1,841.65	1,623.75	1,405.85	1,187.47	969.81	754.52	541.92	326.73	111.40										
3/4	3/4	2,050.23	1,837.11	1,619.21	1,401.31	1,182.92	965.30	749.97	537.57	322.18	106.84										
3	3	2,046.67	1,832.57	1,614.67	1,396.77	1,178.36	960.79	745.42	533.21	317.62	102.27										
1/4	1/4	2,043.11	1,828.03	1,610.13	1,392.23	1,173.81	956.28	740.87	528.85	313.07	97.70										
1/2	1/2	2,039.55	1,823.49	1,605.59	1,387.69	1,169.26	951.77	736.32	524.50	308.52	93.14										
3/4	3/4	2,035.23	1,818.95	1,601.05	1,383.15	1,164.70	947.26	731.77	520.14	303.97	88.57										
4	4	2,030.91	1,814.42	1,596.51	1,378.61	1,160.15	942.75	727.22	515.79	299.41	84.00										
1/4	1/4	2,026.59	1,809.88	1,591.97	1,374.07	1,155.59	938.24	722.67	511.43	294.86	79.43										
1/2	1/2	2,022.27	1,805.34	1,587.44	1,369.53	1,151.04	933.73	718.12	507.07	290.31	74.86										
3/4	3/4	2,017.76	1,800.80	1,582.90	1,364.99	1,146.49	929.22	713.57	502.72	285.75	70.40										
5	5	2,013.25	1,796.26	1,578.36	1,360.45	1,141.93	924.71	709.02	500.00	281.19	65.94										
1/4	1/4	2,008.74	1,791.72	1,573.82	1,355.92	1,137.38	920.20	704.47	494.00	276.64	61.47										
1/2	1/2	2,004.23	1,787.18	1,569.28	1,351.38	1,132.82	915.69	699.92	489.64	272.08	57.01										
3/4	3/4	1,999.73	1,782.64	1,564.74	1,346.83	1,128.28	911.23	695.37	485.29	267.52	53.02										
6	6	1,995.23	1,778.10	1,560.20	1,342.29	1,123.73	906.77	690.82	480.93	262.96	49.02										
1/4	1/4	1,990.74	1,773.56	1,555.66	1,337.74	1,119.18	902.31	686.27	476.57	258.40	45.02										
1/2	1/2	1,986.24	1,769.02	1,551.12	1,333.20	1,114.63	897.85	681.72	472.21	253.84	41.02										
3/4	3/4	1,981.74	1,764.48	1,546.58	1,328.64	1,110.08	893.41	677.30	467.71	249.39	38.03										
7	7	1,977.25	1,759.94	1,542.04	1,324.09	1,105.54	888.97	672.88	463.20	244.94	35.04										
1/4	1/4	1,972.75	1,755.40	1,537.50	1,319.54	1,100.99	884.53	668.46	458.70	240.49	32.04										
1/2	1/2	1,968.26	1,750.86	1,532.96	1,314.99	1,096.44	880.08	664.04	454.20	236.03	29.05										
3/4	3/4	1,963.77	1,746.32	1,528.42	1,310.43	1,091.89	875.64	659.66	449.64	231.62	27.21										
8	8	1,959.27	1,741.78	1,523.88	1,305.88	1,087.35	871.20	655.28	445.09	227.20	25.38										
1/4	1/4	1,954.78	1,737.24	1,519.34	1,301.33	1,082.80	866.76	650.90	440.54	222.79	23.54										
1/2	1/2	1,950.28	1,732.70	1,514.80	1,296.77	1,078.25	862.32	646.53	435.99	218.37	21.70										
3/4	3/4	1,945.79	1,728.16	1,510.26	1,292.22	1,073.71	857.88	642.16	431.43	213.96	21.42										
9	9	1,941.29	1,723.62	1,505.72	1,287.66	1,069.16	853.43	637.80	426.88	209.54	21.14										
1/4	1/4	1,936.80	1,719.08	1,501.18	1,283.11	1,064.61	848.99	633.43	422.33	205.13	20.87										
1/2	1/2	1,932.30	1,714.54	1,496.64	1,278.55	1,060.07	844.55	629.07	417.78	200.71	20.59										
3/4	3/4	1,927.79	1,710.00	1,492.10	1,274.00	1,055.55	840.11	624.71	413.22	196.30	18.59										
10	10	1,923.28	1,705.46	1,487.56	1,269.45	1,051.03	835.67	620.34	408.67	191.88	16.59										
1/4	1/4	1,918.77	1,700.93	1,483.02	1,264.89	1,046.51	831.23	615.98	404.12	187.46	14.59										
1/2	1/2	1,914.26	1,696.39	1,478.48	1,260.34	1,041.99	826.78	611.62	399.57	183.05	12.59										
3/4	3/4	1,909.73	1,691.85	1,473.94	1,255.78	1,037.48	822.34	607.26	395.01	178.63	10.63										
11	11	1,905.19	1,687.31	1,469.41	1,251.23	1,032.96	817.90	602.91	390.46	174.22	8.66										
1/4	1/4	1,900.66	1,682.77	1,464.87	1,246.68	1,028.45	813.46	598.55	385.91	169.80	6.70										
1/2	1/2	1,896.13	1,678.23	1,460.33	1,242.12	1,023.94	809.02	594.19	381.36	165.39	4.73										
3/4	3/4	1,891.59	1,673.69	1,455.79	1,237.57	1,019.43	804.49	589.84	376.80	160.97											

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 - TOP OF THREADS) LOCATED 05'-00" OFF CENTERLINE AND 36'-09" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 05'-00" OFF CENTERLINE AND 38'-00" FORWARD OF AFT BULKHEAD

STRAPPED: 06/13/2019 JS
CALCULATED: 06/14/2019 CL
PRINTED: 06/15/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "MM 318"

4 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-11 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		0	2,070.75	0	1,883.12	0	1,666.91	0	1,450.69	0	1,234.15	0	1,017.57	0	803.95	0	587.17	0	370.76	0	156.54
1/4		1/4	2,069.48	1/4	1,878.61	1/4	1,662.40	1/4	1,446.19	1/4	1,229.63	1/4	1,013.08	1/4	799.45	1/4	582.67	1/4	366.24	1/4	152.12
1/2		1/2	2,068.21	1/2	1,874.11	1/2	1,657.90	1/2	1,441.69	1/2	1,225.11	1/2	1,008.60	1/2	794.96	1/2	578.17	1/2	361.72	1/2	147.69
3/4		3/4	2,066.18	3/4	1,869.60	3/4	1,653.39	3/4	1,437.18	3/4	1,220.59	3/4	1,004.12	3/4	790.43	3/4	573.67	3/4	357.21	3/4	143.17
1		1	2,064.15	1	1,865.10	1	1,648.89	1	1,432.68	1	1,216.07	1	999.63	1	785.91	1	569.16	1	352.69	1	138.64
1/4		1/4	2,062.12	1/4	1,860.60	1/4	1,644.38	1/4	1,428.17	1/4	1,211.55	1/4	995.15	1/4	781.39	1/4	564.66	1/4	348.17	1/4	134.11
1/2		1/2	2,060.09	1/2	1,856.09	1/2	1,639.88	1/2	1,423.67	1/2	1,207.03	1/2	990.67	1/2	776.87	1/2	560.16	1/2	343.65	1/2	129.58
3/4		3/4	2,057.29	3/4	1,851.59	3/4	1,635.38	3/4	1,419.16	3/4	1,202.52	3/4	986.19	3/4	772.34	3/4	555.66	3/4	339.14	3/4	125.02
2		2	2,054.50	2	1,847.08	2	1,630.87	2	1,414.66	2	1,198.00	2	981.70	2	767.82	2	551.16	2	334.62	2	120.45
1/4		1/4	2,051.71	1/4	1,842.58	1/4	1,626.37	1/4	1,410.16	1/4	1,193.48	1/4	977.22	1/4	763.30	1/4	546.66	1/4	330.10	1/4	115.89
1/2		1/2	2,048.92	1/2	1,838.07	1/2	1,621.86	1/2	1,405.65	1/2	1,188.96	1/2	972.74	1/2	758.78	1/2	542.16	1/2	325.59	1/2	111.33
3/4		3/4	2,045.36	3/4	1,833.57	3/4	1,617.36	3/4	1,401.15	3/4	1,184.44	3/4	968.25	3/4	754.26	3/4	537.66	3/4	321.07	3/4	106.76
3		3	2,041.81	3	1,829.06	3	1,612.85	3	1,396.64	3	1,179.92	3	963.77	3	749.73	3	533.16	3	316.55	3	102.20
1/4		1/4	2,038.26	1/4	1,824.56	1/4	1,608.35	1/4	1,392.14	1/4	1,175.40	1/4	959.29	1/4	745.21	1/4	528.65	1/4	312.03	1/4	97.63
1/2		1/2	2,034.70	1/2	1,820.06	1/2	1,603.84	1/2	1,387.63	1/2	1,170.88	1/2	954.81	1/2	740.69	1/2	524.15	1/2	307.52	1/2	93.07
3/4		3/4	2,030.39	3/4	1,815.55	3/4	1,599.34	3/4	1,383.13	3/4	1,166.36	3/4	950.32	3/4	736.17	3/4	519.65	3/4	303.00	3/4	88.51
4		4	2,026.08	4	1,811.05	4	1,594.84	4	1,378.62	4	1,161.85	4	945.84	4	731.65	4	515.15	4	298.48	4	83.94
1/4		1/4	2,021.76	1/4	1,806.54	1/4	1,590.33	1/4	1,374.12	1/4	1,157.33	1/4	941.36	1/4	727.12	1/4	510.65	1/4	293.97	1/4	79.38
1/2		1/2	2,017.45	1/2	1,802.04	1/2	1,585.83	1/2	1,369.62	1/2	1,152.81	1/2	936.87	1/2	722.60	1/2	506.15	1/2	289.45	1/2	74.81
3/4		3/4	2,012.94	3/4	1,797.53	3/4	1,581.32	3/4	1,365.11	3/4	1,148.29	3/4	932.39	3/4	718.08	3/4	501.65	3/4	284.93	3/4	70.36
5		5	2,008.44	5	1,793.03	5	1,576.82	5	1,360.61	5	1,143.77	5	927.91	5	713.56	5	497.14	5	280.40	5	65.90
1/4		1/4	2,003.93	1/4	1,788.52	1/4	1,572.31	1/4	1,356.10	1/4	1,139.25	1/4	923.43	1/4	709.03	1/4	492.64	1/4	275.88	1/4	61.45
1/2		1/2	1,999.43	1/2	1,784.02	1/2	1,567.81	1/2	1,351.60	1/2	1,134.73	1/2	918.94	1/2	704.51	1/2	488.14	1/2	271.36	1/2	56.99
3/4		3/4	1,994.96	3/4	1,779.52	3/4	1,563.30	3/4	1,347.09	3/4	1,130.21	3/4	914.51	3/4	699.99	3/4	483.63	3/4	266.83	3/4	53.00
6		6	1,990.49	6	1,775.01	6	1,558.80	6	1,342.58	6	1,125.69	6	910.08	6	695.47	6	479.13	6	262.31	6	49.01
1/4		1/4	1,986.02	1/4	1,770.51	1/4	1,554.30	1/4	1,338.07	1/4	1,121.18	1/4	905.65	1/4	690.95	1/4	474.63	1/4	257.78	1/4	45.01
1/2		1/2	1,981.55	1/2	1,766.00	1/2	1,549.79	1/2	1,333.56	1/2	1,116.66	1/2	901.22	1/2	686.42	1/2	470.12	1/2	253.26	1/2	41.02
3/4		3/4	1,977.09	3/4	1,761.50	3/4	1,545.29	3/4	1,329.04	3/4	1,112.14	3/4	896.80	3/4	681.90	3/4	465.61	3/4	248.84	3/4	38.03
7		7	1,972.63	7	1,756.99	7	1,540.78	7	1,324.52	7	1,107.62	7	892.39	7	677.38	7	461.10	7	244.43	7	35.04
1/4		1/4	1,968.17	1/4	1,752.49	1/4	1,536.28	1/4	1,320.01	1/4	1,103.10	1/4	887.97	1/4	672.86	1/4	456.58	1/4	240.01	1/4	32.05
1/2		1/2	1,963.71	1/2	1,747.99	1/2	1,531.77	1/2	1,315.49	1/2	1,098.58	1/2	883.56	1/2	668.33	1/2	452.07	1/2	235.59	1/2	29.05
3/4		3/4	1,959.25	3/4	1,743.48	3/4	1,527.27	3/4	1,310.97	3/4	1,094.06	3/4	879.15	3/4	663.81	3/4	447.55	3/4	231.21	3/4	27.22
8		8	1,954.79	8	1,738.98	8	1,522.77	8	1,306.45	8	1,089.54	8	874.73	8	659.29	8	443.03	8	226.83	8	25.38
1/4		1/4	1,950.33	1/4	1,734.47	1/4	1,518.26	1/4	1,301.93	1/4	1,085.02	1/4	870.32	1/4	654.77	1/4	438.52	1/4	222.45	1/4	23.54
1/2		1/2	1,945.87	1/2	1,729.97	1/2	1,513.76	1/2	1,297.41	1/2	1,080.51	1/2	865.91	1/2	650.25	1/2	434.00	1/2	218.07	1/2	21.70
3/4		3/4	1,941.41	3/4	1,725.46	3/4	1,509.25	3/4	1,292.89	3/4	1,075.99	3/4	861.49	3/4	645.74	3/4	429.48	3/4	213.69	3/4	21.42
9		9	1,936.95	9	1,720.96	9	1,504.75	9	1,288.37	9	1,071.47	9	857.08	9	641.22	9	424.96	9	209.31	9	21.13
1/4		1/4	1,932.49	1/4	1,716.45	1/4	1,500.24	1/4	1,283.86	1/4	1,066.95	1/4	852.66	1/4	636.71	1/4	420.45	1/4	204.93	1/4	20.85
1/2		1/2	1,928.04	1/2	1,711.95	1/2	1,495.74	1/2	1,279.34	1/2	1,062.43	1/2	848.25	1/2	632.20	1/2	415.93	1/2	200.55	1/2	20.56
3/4		3/4	1,923.56	3/4	1,707.45	3/4	1,491.23	3/4	1,274.82	3/4	1,057.94	3/4	843.84	3/4	627.70	3/4	411.41	3/4	196.17	3/4	18.56
10		10	1,919.08	10	1,702.94	10	1,486.73	10	1,270.30	10	1,053.45	10	839.42	10	623.19	10	406.90	10	191.79	10	16.57
1/4		1/4	1,914.61	1/4	1,698.44	1/4	1,482.23	1/4	1,265.78	1/4	1,048.96	1/4	835.01	1/4	618.69	1/4	402.38	1/4	187.41	1/4	14.57
1/2		1/2	1,910.13	1/2	1,693.93	1/2	1,477.72	1/2	1,261.26	1/2	1,044.46	1/2	830.59	1/2	614.18	1/2	397.86	1/2	183.03	1/2	12.57
3/4		3/4	1,905.63	3/4	1,689.43	3/4	1,473.22	3/4	1,256.74	3/4	1,039.98	3/4	826.18	3/4	609.68	3/4	393.34	3/4	178.61	3/4	10.61
11		11	1,901.13	11	1,684.92	11	1,468.71	11	1,252.22	11	1,035.50	11	821.77	11	605.17	11	388.83	11	174.20	11	8.65
1/4		1/4	1,896.63	1/4	1,680.42	1/4	1,464.21	1/4	1,247.70	1/4	1,031.02	1/4	817.35	1/4	600.67	1/4	384.31	1/4	169.79	1/4	6.69
1/2		1/2	1,892.13	1/2	1,675.91	1/2	1,459.70	1/2	1,243.19	1/2	1,026.53	1/2	812.94	1/2	596.17	1/2	379.79	1/2	165.38	1/2	4.72
3/4		3/4	1,887.62	3/4	1,671.41	3/4	1,455.20	3/4	1,238.67	3/4	1,022.05	3/4	808.44	3/4	591.67	3/4	375.27	3/4	160.96	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 - TOP OF THREADS) LOCATED 05'-00" OFF CENTERLINE AND 36'-09" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 05'-00" OFF CENTERLINE AND 38'-00" FORWARD OF AFT BULKHEAD.

STRAPPED: 06/13/2019 JS
RECALCULATED: 07/02/2019 CL
REPRINTED: 07/02/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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