

BARGE "MMI 3038"

ULLAGE TRIM TABLE

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

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

December 1, 2023

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MMI 3038"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 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.
0		0		0		0	5,064.95	0	4,698.81	0	4,332.66	0	3,966.52	0	3,600.37	0	3,234.23	0	2,868.09
1/4		1/4		1/4		1/4	5,057.33	1/4	4,691.18	1/4	4,325.04	1/4	3,958.90	1/4	3,592.75	1/4	3,226.61	1/4	2,860.46
1/2		1/2		1/2		1/2	5,049.70	1/2	4,683.55	1/2	4,317.41	1/2	3,951.27	1/2	3,585.12	1/2	3,218.98	1/2	2,852.83
3/4		3/4		3/4		3/4	5,042.07	3/4	4,675.92	3/4	4,309.78	3/4	3,943.64	3/4	3,577.49	3/4	3,211.35	3/4	2,845.20
1		1		1		1	5,034.44	1	4,668.29	1	4,302.15	1	3,936.01	1	3,569.86	1	3,203.72	1	2,837.57
1/4		1/4		1/4		1/4	5,026.82	1/4	4,660.67	1/4	4,294.53	1/4	3,928.38	1/4	3,562.24	1/4	3,196.10	1/4	2,829.95
1/2		1/2		1/2		1/2	5,019.19	1/2	4,653.04	1/2	4,286.90	1/2	3,920.75	1/2	3,554.61	1/2	3,188.47	1/2	2,822.32
3/4		3/4		3/4		3/4	5,011.56	3/4	4,645.41	3/4	4,279.27	3/4	3,913.12	3/4	3,546.98	3/4	3,180.84	3/4	2,814.69
2		2		2		2	5,003.93	2	4,637.78	2	4,271.64	2	3,905.49	2	3,539.35	2	3,173.21	2	2,807.06
1/4		1/4		1/4		1/4	4,996.30	1/4	4,630.16	1/4	4,264.02	1/4	3,897.87	1/4	3,531.73	1/4	3,165.58	1/4	2,799.44
1/2		1/2		1/2		1/2	4,988.67	1/2	4,622.53	1/2	4,256.39	1/2	3,890.24	1/2	3,524.10	1/2	3,157.95	1/2	2,791.81
3/4		3/4		3/4		3/4	4,981.04	3/4	4,614.90	3/4	4,248.76	3/4	3,882.61	3/4	3,516.47	3/4	3,150.32	3/4	2,784.18
3		3		3		3	4,973.41	3	4,607.27	3	4,241.13	3	3,874.98	3	3,508.84	3	3,142.69	3	2,776.55
1/4		1/4		1/4		1/4	4,965.79	1/4	4,599.65	1/4	4,233.50	1/4	3,867.36	1/4	3,501.22	1/4	3,135.07	1/4	2,768.93
1/2		1/2		1/2		1/2	4,958.16	1/2	4,592.02	1/2	4,225.87	1/2	3,859.73	1/2	3,493.59	1/2	3,127.44	1/2	2,761.30
3/4		3/4		3/4		3/4	4,950.53	3/4	4,584.39	3/4	4,218.24	3/4	3,852.10	3/4	3,485.96	3/4	3,119.81	3/4	2,753.67
4		4		4		4	4,942.90	4	4,576.76	4	4,210.61	4	3,844.47	4	3,478.33	4	3,112.18	4	2,746.04
1/4		1/4		1/4		1/4	5,198.39	1/4	4,935.28	1/4	4,569.14	1/4	4,202.99	1/4	3,836.85	1/4	3,470.70	1/4	3,104.56
1/2		1/2		1/2		1/2	5,197.98	1/2	4,927.65	1/2	4,561.51	1/2	4,195.36	1/2	3,829.22	1/2	3,463.07	1/2	3,096.93
3/4		3/4		3/4		3/4	5,197.56	3/4	4,920.02	3/4	4,553.88	3/4	4,187.73	3/4	3,821.59	3/4	3,455.44	3/4	3,089.30
5		5		5		5	5,196.40	5	4,912.39	5	4,546.25	5	4,180.10	5	3,813.96	5	3,447.81	5	3,081.67
1/4		1/4		1/4		1/4	5,195.24	1/4	4,904.77	1/4	4,538.62	1/4	4,172.48	1/4	3,806.34	1/4	3,440.19	1/4	3,074.05
1/2		1/2		1/2		1/2	5,194.07	1/2	4,897.14	1/2	4,530.99	1/2	4,164.85	1/2	3,798.71	1/2	3,432.56	1/2	3,066.42
3/4		3/4		3/4		3/4	5,192.91	3/4	4,889.51	3/4	4,523.36	3/4	4,157.22	3/4	3,791.08	3/4	3,424.93	3/4	3,058.79
6		6		6		6	5,190.65	6	4,881.88	6	4,515.73	6	4,149.59	6	3,783.45	6	3,417.30	6	3,051.16
1/4		1/4		1/4		1/4	5,188.40	1/4	4,874.26	1/4	4,508.11	1/4	4,141.97	1/4	3,775.82	1/4	3,409.68	1/4	3,043.54
1/2		1/2		1/2		1/2	5,186.14	1/2	4,866.63	1/2	4,500.48	1/2	4,134.34	1/2	3,768.19	1/2	3,402.05	1/2	3,035.91
3/4		3/4		3/4		3/4	5,183.88	3/4	4,859.00	3/4	4,492.85	3/4	4,126.71	3/4	3,760.56	3/4	3,394.42	3/4	3,028.28
7		7		7		7	5,180.49	7	4,851.37	7	4,485.22	7	4,119.08	7	3,752.93	7	3,386.79	7	3,020.65
1/4		1/4		1/4		1/4	5,177.11	1/4	4,843.74	1/4	4,477.60	1/4	4,111.46	1/4	3,745.31	1/4	3,379.17	1/4	3,013.02
1/2		1/2		1/2		1/2	5,173.72	1/2	4,836.11	1/2	4,469.97	1/2	4,103.83	1/2	3,737.68	1/2	3,371.54	1/2	3,005.39
3/4		3/4		3/4		3/4	5,170.33	3/4	4,828.48	3/4	4,462.34	3/4	4,096.20	3/4	3,730.05	3/4	3,363.91	3/4	2,997.76
8		8		8		8	5,165.81	8	4,820.85	8	4,454.71	8	4,088.57	8	3,722.42	8	3,356.28	8	2,990.13
1/4		1/4		1/4		1/4	5,161.30	1/4	4,813.23	1/4	4,447.09	1/4	4,080.94	1/4	3,714.80	1/4	3,348.66	1/4	2,982.51
1/2		1/2		1/2		1/2	5,156.78	1/2	4,805.60	1/2	4,439.46	1/2	4,073.31	1/2	3,707.17	1/2	3,341.03	1/2	2,974.88
3/4		3/4		3/4		3/4	5,152.26	3/4	4,797.97	3/4	4,431.83	3/4	4,065.68	3/4	3,699.54	3/4	3,333.40	3/4	2,967.25
9		9		9		9	5,146.61	9	4,790.34	9	4,424.20	9	4,058.05	9	3,691.91	9	3,325.77	9	2,959.62
1/4		1/4		1/4		1/4	5,140.96	1/4	4,782.72	1/4	4,416.58	1/4	4,050.43	1/4	3,684.29	1/4	3,318.14	1/4	2,952.00
1/2		1/2		1/2		1/2	5,135.30	1/2	4,775.09	1/2	4,408.95	1/2	4,042.80	1/2	3,676.66	1/2	3,310.51	1/2	2,944.37
3/4		3/4		3/4		3/4	5,129.65	3/4	4,767.46	3/4	4,401.32	3/4	4,035.17	3/4	3,669.03	3/4	3,302.88	3/4	2,936.74
10		10		10		10	5,122.87	10	4,759.83	10	4,393.69	10	4,027.54	10	3,661.40	10	3,295.25	10	2,929.11
1/4		1/4		1/4		1/4	5,116.09	1/4	4,752.21	1/4	4,386.06	1/4	4,019.92	1/4	3,653.78	1/4	3,287.63	1/4	2,921.49
1/2		1/2		1/2		1/2	5,109.31	1/2	4,744.58	1/2	4,378.43	1/2	4,012.29	1/2	3,646.15	1/2	3,280.00	1/2	2,913.86
3/4		3/4		3/4		3/4	5,102.53	3/4	4,736.95	3/4	4,370.80	3/4	4,004.66	3/4	3,638.52	3/4	3,272.37	3/4	2,906.23
11		11		11		11	5,095.04	11	4,729.32	11	4,363.17	11	3,997.03	11	3,630.89	11	3,264.74	11	2,898.60
1/4		1/4		1/4		1/4	5,087.56	1/4	4,721.70	1/4	4,355.55	1/4	3,989.41	1/4	3,623.26	1/4	3,257.12	1/4	2,890.98
1/2		1/2		1/2		1/2	5,080.07	1/2	4,714.07	1/2	4,347.92	1/2	3,981.78	1/2	3,615.63	1/2	3,249.49	1/2	2,883.35
3/4		3/4		3/4		3/4	5,072.58	3/4	4,706.44	3/4	4,340.29	3/4	3,974.15	3/4	3,608.00	3/4	3,241.86	3/4	2,875.72

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 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 TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "MMI 3038"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 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	2,501.94	0	2,135.80	0	1,769.65	0	1,403.51	0	1,037.37	0	671.22	0	311.27	0		0		0	
1/4	2,494.32	1/4	2,128.18	1/4	1,762.03	1/4	1,395.89	1/4	1,029.74	1/4	663.60	1/4	304.07	1/4		1/4		1/4	
1/2	2,486.69	1/2	2,120.55	1/2	1,754.40	1/2	1,388.26	1/2	1,022.11	1/2	655.97	1/2	296.88	1/2		1/2		1/2	
3/4	2,479.06	3/4	2,112.92	3/4	1,746.77	3/4	1,380.63	3/4	1,014.48	3/4	648.34	3/4	289.68	3/4		3/4		3/4	
1	2,471.43	1	2,105.29	1	1,739.14	1	1,373.00	1	1,006.85	1	640.71	1	282.58	1		1		1	
1/4	2,463.81	1/4	2,097.66	1/4	1,731.52	1/4	1,365.38	1/4	999.23	1/4	633.09	1/4	275.48	1/4		1/4		1/4	
1/2	2,456.18	1/2	2,090.03	1/2	1,723.89	1/2	1,357.75	1/2	991.60	1/2	625.46	1/2	268.38	1/2		1/2		1/2	
3/4	2,448.55	3/4	2,082.40	3/4	1,716.26	3/4	1,350.12	3/4	983.97	3/4	617.83	3/4	261.28	3/4		3/4		3/4	
2	2,440.92	2	2,074.77	2	1,708.63	2	1,342.49	2	976.34	2	610.20	2	254.21	2		2		2	
1/4	2,433.30	1/4	2,067.15	1/4	1,701.01	1/4	1,334.86	1/4	968.72	1/4	602.58	1/4	247.15	1/4		1/4		1/4	
1/2	2,425.67	1/2	2,059.52	1/2	1,693.38	1/2	1,327.23	1/2	961.09	1/2	594.95	1/2	240.08	1/2		1/2		1/2	
3/4	2,418.04	3/4	2,051.89	3/4	1,685.75	3/4	1,319.60	3/4	953.46	3/4	587.32	3/4	233.01	3/4		3/4		3/4	
3	2,410.41	3	2,044.26	3	1,678.12	3	1,311.97	3	945.83	3	579.69	3	226.04	3		3		3	
1/4	2,402.78	1/4	2,036.64	1/4	1,670.50	1/4	1,304.35	1/4	938.21	1/4	572.06	1/4	219.06	1/4		1/4		1/4	
1/2	2,395.15	1/2	2,029.01	1/2	1,662.87	1/2	1,296.72	1/2	930.58	1/2	564.43	1/2	212.09	1/2		1/2		1/2	
3/4	2,387.52	3/4	2,021.38	3/4	1,655.24	3/4	1,289.09	3/4	922.95	3/4	556.80	3/4	205.11	3/4		3/4		3/4	
4	2,379.89	4	2,013.75	4	1,647.61	4	1,281.46	4	915.32	4	549.17	4	198.17	4		4		4	
1/4	2,372.27	1/4	2,006.13	1/4	1,639.98	1/4	1,273.84	1/4	907.70	1/4	541.55	1/4	191.23	1/4		1/4		1/4	
1/2	2,364.64	1/2	1,998.50	1/2	1,632.35	1/2	1,266.21	1/2	900.07	1/2	533.92	1/2	184.28	1/2		1/2		1/2	
3/4	2,357.01	3/4	1,990.87	3/4	1,624.72	3/4	1,258.58	3/4	892.44	3/4	526.29	3/4	177.34	3/4		3/4		3/4	
5	2,349.38	5	1,983.24	5	1,617.09	5	1,250.95	5	884.81	5	518.71	5	170.49	5		5		5	
1/4	2,341.76	1/4	1,975.62	1/4	1,609.47	1/4	1,243.33	1/4	877.18	1/4	511.13	1/4	163.64	1/4		1/4		1/4	
1/2	2,334.13	1/2	1,967.99	1/2	1,601.84	1/2	1,235.70	1/2	869.55	1/2	503.54	1/2	156.78	1/2		1/2		1/2	
3/4	2,326.50	3/4	1,960.36	3/4	1,594.21	3/4	1,228.07	3/4	861.92	3/4	495.96	3/4	149.93	3/4		3/4		3/4	
6	2,318.87	6	1,952.73	6	1,586.58	6	1,220.44	6	854.29	6	488.39	6	143.11	6		6		6	
1/4	2,311.25	1/4	1,945.10	1/4	1,578.96	1/4	1,212.82	1/4	846.67	1/4	480.83	1/4	136.29	1/4		1/4		1/4	
1/2	2,303.62	1/2	1,937.47	1/2	1,571.33	1/2	1,205.19	1/2	839.04	1/2	473.26	1/2	129.47	1/2		1/2		1/2	
3/4	2,295.99	3/4	1,929.84	3/4	1,563.70	3/4	1,197.56	3/4	831.41	3/4	465.69	3/4	122.65	3/4		3/4		3/4	
7	2,288.36	7	1,922.21	7	1,556.07	7	1,189.93	7	823.78	7	458.22	7	115.92	7		7		7	
1/4	2,280.74	1/4	1,914.59	1/4	1,548.45	1/4	1,182.30	1/4	816.16	1/4	450.74	1/4	109.20	1/4		1/4		1/4	
1/2	2,273.11	1/2	1,906.96	1/2	1,540.82	1/2	1,174.67	1/2	808.53	1/2	443.27	1/2	102.47	1/2		1/2		1/2	
3/4	2,265.48	3/4	1,899.33	3/4	1,533.19	3/4	1,167.04	3/4	800.90	3/4	435.79	3/4	95.74	3/4		3/4		3/4	
8	2,257.85	8	1,891.70	8	1,525.56	8	1,159.41	8	793.27	8	428.35	8	89.05	8		8		8	
1/4	2,250.22	1/4	1,884.08	1/4	1,517.94	1/4	1,151.79	1/4	785.65	1/4	420.91	1/4	82.35	1/4		1/4		1/4	
1/2	2,242.59	1/2	1,876.45	1/2	1,510.31	1/2	1,144.16	1/2	778.02	1/2	413.47	1/2	75.66	1/2		1/2		1/2	
3/4	2,234.96	3/4	1,868.82	3/4	1,502.68	3/4	1,136.53	3/4	770.39	3/4	406.03	3/4	68.96	3/4		3/4		3/4	
9	2,227.33	9	1,861.19	9	1,495.05	9	1,128.90	9	762.76	9	398.68	9	62.47	9		9		9	
1/4	2,219.71	1/4	1,853.57	1/4	1,487.42	1/4	1,121.28	1/4	755.14	1/4	391.33	1/4	55.97	1/4		1/4		1/4	
1/2	2,212.08	1/2	1,845.94	1/2	1,479.79	1/2	1,113.65	1/2	747.51	1/2	383.98	1/2	49.48	1/2		1/2		1/2	
3/4	2,204.45	3/4	1,838.31	3/4	1,472.16	3/4	1,106.02	3/4	739.88	3/4	376.63	3/4	42.98	3/4		3/4		3/4	
10	2,196.82	10	1,830.68	10	1,464.53	10	1,098.39	10	732.25	10	369.31	10	37.81	10		10		10	
1/4	2,189.20	1/4	1,823.06	1/4	1,456.91	1/4	1,090.77	1/4	724.62	1/4	362.00	1/4	32.64	1/4		1/4		1/4	
1/2	2,181.57	1/2	1,815.43	1/2	1,449.28	1/2	1,083.14	1/2	716.99	1/2	354.68	1/2	27.47	1/2		1/2		1/2	
3/4	2,173.94	3/4	1,807.80	3/4	1,441.65	3/4	1,075.51	3/4	709.36	3/4	347.36	3/4		3/4		3/4		3/4	
11	2,166.31	11	1,800.17	11	1,434.02	11	1,067.88	11	701.73	11	340.14	11		11		11		11	
1/4	2,158.69	1/4	1,792.54	1/4	1,426.40	1/4	1,060.26	1/4	694.11	1/4	332.91	1/4		1/4		1/4		1/4	
1/2	2,151.06	1/2	1,784.91	1/2	1,418.77	1/2	1,052.63	1/2	686.48	1/2	325.69	1/2		1/2		1/2		1/2	
3/4	2,143.43	3/4	1,777.28	3/4	1,411.14	3/4	1,045.00	3/4	678.85	3/4	318.46	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2003 INSP.
RECALCULATED: 10/25/2018
VERIFIED: 12/01/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MMI 3038"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 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		IN	
0		0		0		0	5,064.95	0	4,698.81	0	4,332.66	0	3,966.52	0	3,600.37	0	3,234.23	0	2,868.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,057.33	1/4	4,691.18	1/4	4,325.04	1/4	3,958.90	1/4	3,592.75	1/4	3,226.61	1/4	2,860.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,049.70	1/2	4,683.55	1/2	4,317.41	1/2	3,951.27	1/2	3,585.12	1/2	3,218.98	1/2	2,852.83		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,042.07	3/4	4,675.92	3/4	4,309.78	3/4	3,943.64	3/4	3,577.49	3/4	3,211.35	3/4	2,845.20		
1		1		1		1	5,034.44	1	4,668.29	1	4,302.15	1	3,936.01	1	3,569.86	1	3,203.72	1	2,837.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,026.82	1/4	4,660.67	1/4	4,294.53	1/4	3,928.38	1/4	3,562.24	1/4	3,196.10	1/4	2,829.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,019.19	1/2	4,653.04	1/2	4,286.90	1/2	3,920.75	1/2	3,554.61	1/2	3,188.47	1/2	2,822.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,011.56	3/4	4,645.41	3/4	4,279.27	3/4	3,913.12	3/4	3,546.98	3/4	3,180.84	3/4	2,814.69		
2		2		2		2	5,003.93	2	4,637.78	2	4,271.64	2	3,905.49	2	3,539.35	2	3,173.21	2	2,807.06		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,996.30	1/4	4,630.16	1/4	4,264.02	1/4	3,897.87	1/4	3,531.73	1/4	3,165.58	1/4	2,799.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,988.67	1/2	4,622.53	1/2	4,256.39	1/2	3,890.24	1/2	3,524.10	1/2	3,157.95	1/2	2,791.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,981.04	3/4	4,614.90	3/4	4,248.76	3/4	3,882.61	3/4	3,516.47	3/4	3,150.32	3/4	2,784.18		
3		3		3		3	4,973.41	3	4,607.27	3	4,241.13	3	3,874.98	3	3,508.84	3	3,142.69	3	2,776.55		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,965.79	1/4	4,599.65	1/4	4,233.50	1/4	3,867.36	1/4	3,501.22	1/4	3,135.07	1/4	2,768.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,958.16	1/2	4,592.02	1/2	4,225.87	1/2	3,859.73	1/2	3,493.59	1/2	3,127.44	1/2	2,761.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,950.53	3/4	4,584.39	3/4	4,218.24	3/4	3,852.10	3/4	3,485.96	3/4	3,119.81	3/4	2,753.67		
4		4		4		4	4,942.90	4	4,576.76	4	4,210.61	4	3,844.47	4	3,478.33	4	3,112.18	4	2,746.04		
1/4	1/4	1/4	1/4	1/4	5,198.39	1/4	4,935.28	1/4	4,569.14	1/4	4,202.99	1/4	3,836.85	1/4	3,470.70	1/4	3,104.56	1/4	2,738.42		
1/2	1/2	1/2	1/2	1/2	5,197.98	1/2	4,927.65	1/2	4,561.51	1/2	4,195.36	1/2	3,829.22	1/2	3,463.07	1/2	3,096.93	1/2	2,730.79		
3/4	3/4	3/4	3/4	3/4	5,197.56	3/4	4,920.02	3/4	4,553.88	3/4	4,187.73	3/4	3,821.59	3/4	3,455.44	3/4	3,089.30	3/4	2,723.16		
5		5		5	5,196.40	5	4,912.39	5	4,546.25	5	4,180.10	5	3,813.96	5	3,447.81	5	3,081.67	5	2,715.53		
1/4	1/4	1/4	1/4	1/4	5,195.24	1/4	4,904.77	1/4	4,538.62	1/4	4,172.48	1/4	3,806.34	1/4	3,440.19	1/4	3,074.05	1/4	2,707.90		
1/2	1/2	1/2	1/2	1/2	5,194.07	1/2	4,897.14	1/2	4,530.99	1/2	4,164.85	1/2	3,798.71	1/2	3,432.56	1/2	3,066.42	1/2	2,700.27		
3/4	3/4	3/4	3/4	3/4	5,192.91	3/4	4,889.51	3/4	4,523.36	3/4	4,157.22	3/4	3,791.08	3/4	3,424.93	3/4	3,058.79	3/4	2,692.64		
6		6		6	5,190.65	6	4,881.88	6	4,515.73	6	4,149.59	6	3,783.45	6	3,417.30	6	3,051.16	6	2,685.01		
1/4	1/4	1/4	1/4	1/4	5,188.40	1/4	4,874.26	1/4	4,508.11	1/4	4,141.97	1/4	3,775.82	1/4	3,409.68	1/4	3,043.54	1/4	2,677.39		
1/2	1/2	1/2	1/2	1/2	5,186.14	1/2	4,866.63	1/2	4,500.48	1/2	4,134.34	1/2	3,768.19	1/2	3,402.05	1/2	3,035.91	1/2	2,669.76		
3/4	3/4	3/4	3/4	3/4	5,183.88	3/4	4,859.00	3/4	4,492.85	3/4	4,126.71	3/4	3,760.56	3/4	3,394.42	3/4	3,028.28	3/4	2,662.13		
7		7		7	5,180.49	7	4,851.37	7	4,485.22	7	4,119.08	7	3,752.93	7	3,386.79	7	3,020.65	7	2,654.50		
1/4	1/4	1/4	1/4	1/4	5,177.11	1/4	4,843.74	1/4	4,477.60	1/4	4,111.46	1/4	3,745.31	1/4	3,379.17	1/4	3,013.02	1/4	2,646.88		
1/2	1/2	1/2	1/2	1/2	5,173.72	1/2	4,836.11	1/2	4,469.97	1/2	4,103.83	1/2	3,737.68	1/2	3,371.54	1/2	3,005.39	1/2	2,639.25		
3/4	3/4	3/4	3/4	3/4	5,170.33	3/4	4,828.48	3/4	4,462.34	3/4	4,096.20	3/4	3,730.05	3/4	3,363.91	3/4	2,997.76	3/4	2,631.62		
8		8		8	5,165.81	8	4,820.85	8	4,454.71	8	4,088.57	8	3,722.42	8	3,356.28	8	2,990.13	8	2,623.99		
1/4	1/4	1/4	1/4	1/4	5,161.30	1/4	4,813.23	1/4	4,447.09	1/4	4,080.94	1/4	3,714.80	1/4	3,348.66	1/4	2,982.51	1/4	2,616.37		
1/2	1/2	1/2	1/2	1/2	5,156.78	1/2	4,805.60	1/2	4,439.46	1/2	4,073.31	1/2	3,707.17	1/2	3,341.03	1/2	2,974.88	1/2	2,608.74		
3/4	3/4	3/4	3/4	3/4	5,152.26	3/4	4,797.97	3/4	4,431.83	3/4	4,065.68	3/4	3,699.54	3/4	3,333.40	3/4	2,967.25	3/4	2,601.11		
9		9		9	5,146.61	9	4,790.34	9	4,424.20	9	4,058.05	9	3,691.91	9	3,325.77	9	2,959.62	9	2,593.48		
1/4	1/4	1/4	1/4	1/4	5,140.96	1/4	4,782.72	1/4	4,416.58	1/4	4,050.43	1/4	3,684.29	1/4	3,318.14	1/4	2,952.00	1/4	2,585.86		
1/2	1/2	1/2	1/2	1/2	5,135.30	1/2	4,775.09	1/2	4,408.95	1/2	4,042.80	1/2	3,676.66	1/2	3,310.51	1/2	2,944.37	1/2	2,578.23		
3/4	3/4	3/4	3/4	3/4	5,129.65	3/4	4,767.46	3/4	4,401.32	3/4	4,035.17	3/4	3,669.03	3/4	3,302.88	3/4	2,936.74	3/4	2,570.60		
10		10		10	5,122.87	10	4,759.83	10	4,393.69	10	4,027.54	10	3,661.40	10	3,295.25	10	2,929.11	10	2,562.97		
1/4	1/4	1/4	1/4	1/4	5,116.09	1/4	4,752.21	1/4	4,386.06	1/4	4,019.92	1/4	3,653.78	1/4	3,287.63	1/4	2,921.49	1/4	2,555.34		
1/2	1/2	1/2	1/2	1/2	5,109.31	1/2	4,744.58	1/2	4,378.43	1/2	4,012.29	1/2	3,646.15	1/2	3,280.00	1/2	2,913.86	1/2	2,547.71		
3/4	3/4	3/4	3/4	3/4	5,102.53	3/4	4,736.95	3/4	4,370.80	3/4	4,004.66	3/4	3,638.52	3/4	3,272.37	3/4	2,906.23	3/4	2,540.08		
11		11		11	5,095.04	11	4,729.32	11	4,363.17	11	3,997.03	11	3,630.89	11	3,264.74	11	2,898.60	11	2,532.45		
1/4	1/4	1/4	1/4	1/4	5,087.56	1/4	4,721.70	1/4	4,355.55	1/4	3,989.41	1/4	3,623.26	1/4	3,257.12	1/4	2,890.98	1/4	2,524.83		
1/2	1/2	1/2	1/2	1/2	5,080.07	1/2	4,714.07	1/2	4,347.92	1/2	3,981.78	1/2	3,615.63	1/2	3,249.49	1/2	2,883.35	1/2	2,517.20		
3/4	3/4	3/4	3/4	3/4	5,072.58	3/4	4,706.44	3/4	4,340.29	3/4	3,974.15	3/4	3,608.00	3/4	3,241.86	3/4	2,875.72	3/4	2,509.57		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 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 TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MMI 3038"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 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	2,501.94	0	2,135.80	0	1,769.65	0	1,403.51	0	1,037.37	0	671.22	0	311.27	0		0		0	
1/4	2,494.32	1/4	2,128.18	1/4	1,762.03	1/4	1,395.89	1/4	1,029.74	1/4	663.60	1/4	304.07	1/4		1/4		1/4	
1/2	2,486.69	1/2	2,120.55	1/2	1,754.40	1/2	1,388.26	1/2	1,022.11	1/2	655.97	1/2	296.88	1/2		1/2		1/2	
3/4	2,479.06	3/4	2,112.92	3/4	1,746.77	3/4	1,380.63	3/4	1,014.48	3/4	648.34	3/4	289.68	3/4		3/4		3/4	
1	2,471.43	1	2,105.29	1	1,739.14	1	1,373.00	1	1,006.85	1	640.71	1	282.58	1		1		1	
1/4	2,463.81	1/4	2,097.66	1/4	1,731.52	1/4	1,365.38	1/4	999.23	1/4	633.09	1/4	275.48	1/4		1/4		1/4	
1/2	2,456.18	1/2	2,090.03	1/2	1,723.89	1/2	1,357.75	1/2	991.60	1/2	625.46	1/2	268.38	1/2		1/2		1/2	
3/4	2,448.55	3/4	2,082.40	3/4	1,716.26	3/4	1,350.12	3/4	983.97	3/4	617.83	3/4	261.28	3/4		3/4		3/4	
2	2,440.92	2	2,074.77	2	1,708.63	2	1,342.49	2	976.34	2	610.20	2	254.21	2		2		2	
1/4	2,433.30	1/4	2,067.15	1/4	1,701.01	1/4	1,334.86	1/4	968.72	1/4	602.58	1/4	247.15	1/4		1/4		1/4	
1/2	2,425.67	1/2	2,059.52	1/2	1,693.38	1/2	1,327.23	1/2	961.09	1/2	594.95	1/2	240.08	1/2		1/2		1/2	
3/4	2,418.04	3/4	2,051.89	3/4	1,685.75	3/4	1,319.60	3/4	953.46	3/4	587.32	3/4	233.01	3/4		3/4		3/4	
3	2,410.41	3	2,044.26	3	1,678.12	3	1,311.97	3	945.83	3	579.69	3	226.04	3		3		3	
1/4	2,402.78	1/4	2,036.64	1/4	1,670.50	1/4	1,304.35	1/4	938.21	1/4	572.06	1/4	219.06	1/4		1/4		1/4	
1/2	2,395.15	1/2	2,029.01	1/2	1,662.87	1/2	1,296.72	1/2	930.58	1/2	564.43	1/2	212.09	1/2		1/2		1/2	
3/4	2,387.52	3/4	2,021.38	3/4	1,655.24	3/4	1,289.09	3/4	922.95	3/4	556.80	3/4	205.11	3/4		3/4		3/4	
4	2,379.89	4	2,013.75	4	1,647.61	4	1,281.46	4	915.32	4	549.17	4	198.17	4		4		4	
1/4	2,372.27	1/4	2,006.13	1/4	1,639.98	1/4	1,273.84	1/4	907.70	1/4	541.55	1/4	191.23	1/4		1/4		1/4	
1/2	2,364.64	1/2	1,998.50	1/2	1,632.35	1/2	1,266.21	1/2	900.07	1/2	533.92	1/2	184.28	1/2		1/2		1/2	
3/4	2,357.01	3/4	1,990.87	3/4	1,624.72	3/4	1,258.58	3/4	892.44	3/4	526.29	3/4	177.34	3/4		3/4		3/4	
5	2,349.38	5	1,983.24	5	1,617.09	5	1,250.95	5	884.81	5	518.71	5	170.49	5		5		5	
1/4	2,341.76	1/4	1,975.62	1/4	1,609.47	1/4	1,243.33	1/4	877.18	1/4	511.13	1/4	163.64	1/4		1/4		1/4	
1/2	2,334.13	1/2	1,967.99	1/2	1,601.84	1/2	1,235.70	1/2	869.55	1/2	503.54	1/2	156.78	1/2		1/2		1/2	
3/4	2,326.50	3/4	1,960.36	3/4	1,594.21	3/4	1,228.07	3/4	861.92	3/4	495.96	3/4	149.93	3/4		3/4		3/4	
6	2,318.87	6	1,952.73	6	1,586.58	6	1,220.44	6	854.29	6	488.39	6	143.11	6		6		6	
1/4	2,311.25	1/4	1,945.10	1/4	1,578.96	1/4	1,212.82	1/4	846.67	1/4	480.83	1/4	136.29	1/4		1/4		1/4	
1/2	2,303.62	1/2	1,937.47	1/2	1,571.33	1/2	1,205.19	1/2	839.04	1/2	473.26	1/2	129.47	1/2		1/2		1/2	
3/4	2,295.99	3/4	1,929.84	3/4	1,563.70	3/4	1,197.56	3/4	831.41	3/4	465.69	3/4	122.65	3/4		3/4		3/4	
7	2,288.36	7	1,922.21	7	1,556.07	7	1,189.93	7	823.78	7	458.22	7	115.92	7		7		7	
1/4	2,280.74	1/4	1,914.59	1/4	1,548.45	1/4	1,182.30	1/4	816.16	1/4	450.74	1/4	109.20	1/4		1/4		1/4	
1/2	2,273.11	1/2	1,906.96	1/2	1,540.82	1/2	1,174.67	1/2	808.53	1/2	443.27	1/2	102.47	1/2		1/2		1/2	
3/4	2,265.48	3/4	1,899.33	3/4	1,533.19	3/4	1,167.04	3/4	800.90	3/4	435.79	3/4	95.74	3/4		3/4		3/4	
8	2,257.85	8	1,891.70	8	1,525.56	8	1,159.41	8	793.27	8	428.35	8	89.05	8		8		8	
1/4	2,250.22	1/4	1,884.08	1/4	1,517.94	1/4	1,151.79	1/4	785.65	1/4	420.91	1/4	82.35	1/4		1/4		1/4	
1/2	2,242.59	1/2	1,876.45	1/2	1,510.31	1/2	1,144.16	1/2	778.02	1/2	413.47	1/2	75.66	1/2		1/2		1/2	
3/4	2,234.96	3/4	1,868.82	3/4	1,502.68	3/4	1,136.53	3/4	770.39	3/4	406.03	3/4	68.96	3/4		3/4		3/4	
9	2,227.33	9	1,861.19	9	1,495.05	9	1,128.90	9	762.76	9	398.68	9	62.47	9		9		9	
1/4	2,219.71	1/4	1,853.57	1/4	1,487.42	1/4	1,121.28	1/4	755.14	1/4	391.33	1/4	55.97	1/4		1/4		1/4	
1/2	2,212.08	1/2	1,845.94	1/2	1,479.79	1/2	1,113.65	1/2	747.51	1/2	383.98	1/2	49.48	1/2		1/2		1/2	
3/4	2,204.45	3/4	1,838.31	3/4	1,472.16	3/4	1,106.02	3/4	739.88	3/4	376.63	3/4	42.98	3/4		3/4		3/4	
10	2,196.82	10	1,830.68	10	1,464.53	10	1,098.39	10	732.25	10	369.31	10	37.81	10		10		10	
1/4	2,189.20	1/4	1,823.06	1/4	1,456.91	1/4	1,090.77	1/4	724.62	1/4	362.00	1/4	32.64	1/4		1/4		1/4	
1/2	2,181.57	1/2	1,815.43	1/2	1,449.28	1/2	1,083.14	1/2	716.99	1/2	354.68	1/2	27.47	1/2		1/2		1/2	
3/4	2,173.94	3/4	1,807.80	3/4	1,441.65	3/4	1,075.51	3/4	709.36	3/4	347.36	3/4		3/4		3/4		3/4	
11	2,166.31	11	1,800.17	11	1,434.02	11	1,067.88	11	701.73	11	340.14	11		11		11		11	
1/4	2,158.69	1/4	1,792.54	1/4	1,426.40	1/4	1,060.26	1/4	694.11	1/4	332.91	1/4		1/4		1/4		1/4	
1/2	2,151.06	1/2	1,784.91	1/2	1,418.77	1/2	1,052.63	1/2	686.48	1/2	325.69	1/2		1/2		1/2		1/2	
3/4	2,143.43	3/4	1,777.28	3/4	1,411.14	3/4	1,045.00	3/4	678.85	3/4	318.46	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2003 INSP.
 RECALCULATED: 10/25/2018
 VERIFIED: 12/01/2023 JS

CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2023

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



BARGE "MMI 3038"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 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.
0		0		0		0	4,796.51	0	4,453.10	0	4,108.94	0	3,764.78	0	3,420.62	0	3,076.46	0	2,732.30
1/4		1/4		1/4		1/4	4,789.36	1/4	4,445.93	1/4	4,101.77	1/4	3,757.61	1/4	3,413.45	1/4	3,069.29	1/4	2,725.13
1/2		1/2		1/2		1/2	4,782.20	1/2	4,438.76	1/2	4,094.60	1/2	3,750.44	1/2	3,406.28	1/2	3,062.12	1/2	2,717.96
3/4		3/4		3/4		3/4	4,775.05	3/4	4,431.59	3/4	4,087.43	3/4	3,743.27	3/4	3,399.11	3/4	3,054.95	3/4	2,710.79
1		1		1		1	4,767.90	1	4,424.42	1	4,080.26	1	3,736.10	1	3,391.94	1	3,047.78	1	2,703.62
1/4		1/4		1/4		1/4	4,760.75	1/4	4,417.25	1/4	4,073.09	1/4	3,728.93	1/4	3,384.77	1/4	3,040.61	1/4	2,696.45
1/2		1/2		1/2		1/2	4,753.59	1/2	4,410.08	1/2	4,065.92	1/2	3,721.76	1/2	3,377.60	1/2	3,033.44	1/2	2,689.28
3/4		3/4		3/4		3/4	4,746.44	3/4	4,402.91	3/4	4,058.75	3/4	3,714.59	3/4	3,370.43	3/4	3,026.27	3/4	2,682.11
2		2		2		2	4,739.29	2	4,395.74	2	4,051.58	2	3,707.42	2	3,363.26	2	3,019.10	2	2,674.94
1/4		1/4		1/4		1/4	4,732.13	1/4	4,388.57	1/4	4,044.41	1/4	3,700.25	1/4	3,356.09	1/4	3,011.93	1/4	2,667.77
1/2		1/2		1/2		1/2	4,724.98	1/2	4,381.40	1/2	4,037.24	1/2	3,693.08	1/2	3,348.92	1/2	3,004.76	1/2	2,660.60
3/4		3/4		3/4		3/4	4,717.83	3/4	4,374.23	3/4	4,030.07	3/4	3,685.91	3/4	3,341.75	3/4	2,997.59	3/4	2,653.43
3		3		3		3	4,710.68	3	4,367.06	3	4,022.90	3	3,678.74	3	3,334.58	3	2,990.42	3	2,646.26
1/4		1/4		1/4		1/4	4,703.52	1/4	4,359.89	1/4	4,015.73	1/4	3,671.57	1/4	3,327.41	1/4	2,983.25	1/4	2,639.09
1/2		1/2		1/2		1/2	4,696.37	1/2	4,352.72	1/2	4,008.56	1/2	3,664.40	1/2	3,320.24	1/2	2,976.08	1/2	2,631.92
3/4		3/4		3/4		3/4	4,689.22	3/4	4,345.55	3/4	4,001.39	3/4	3,657.23	3/4	3,313.07	3/4	2,968.91	3/4	2,624.75
4		4		4		4	4,682.07	4	4,338.38	4	3,994.22	4	3,650.06	4	3,305.90	4	2,961.74	4	2,617.58
1/4		1/4		1/4	4,922.07	1/4	4,674.92	1/4	4,331.21	1/4	3,987.05	1/4	3,642.89	1/4	3,298.73	1/4	2,954.57	1/4	2,610.41
1/2		1/2		1/2	4,921.68	1/2	4,667.77	1/2	4,324.04	1/2	3,979.88	1/2	3,635.72	1/2	3,291.56	1/2	2,947.40	1/2	2,603.24
3/4		3/4		3/4	4,921.28	3/4	4,660.62	3/4	4,316.87	3/4	3,972.71	3/4	3,628.55	3/4	3,284.39	3/4	2,940.23	3/4	2,596.07
5		5		5	4,920.18	5	4,653.47	5	4,309.70	5	3,965.54	5	3,621.38	5	3,277.22	5	2,933.06	5	2,588.90
1/4		1/4		1/4	4,919.09	1/4	4,646.32	1/4	4,302.53	1/4	3,958.37	1/4	3,614.21	1/4	3,270.05	1/4	2,925.89	1/4	2,581.73
1/2		1/2		1/2	4,917.99	1/2	4,639.16	1/2	4,295.36	1/2	3,951.20	1/2	3,607.04	1/2	3,262.88	1/2	2,918.72	1/2	2,574.56
3/4		3/4		3/4	4,916.89	3/4	4,632.01	3/4	4,288.19	3/4	3,944.03	3/4	3,599.87	3/4	3,255.71	3/4	2,911.55	3/4	2,567.39
6		6		6	4,914.76	6	4,624.86	6	4,281.02	6	3,936.86	6	3,592.70	6	3,248.54	6	2,904.38	6	2,560.22
1/4		1/4		1/4	4,912.63	1/4	4,617.70	1/4	4,273.85	1/4	3,929.69	1/4	3,585.53	1/4	3,241.37	1/4	2,897.21	1/4	2,553.05
1/2		1/2		1/2	4,910.50	1/2	4,610.55	1/2	4,266.68	1/2	3,922.52	1/2	3,578.36	1/2	3,234.20	1/2	2,890.04	1/2	2,545.88
3/4		3/4		3/4	4,908.37	3/4	4,603.40	3/4	4,259.51	3/4	3,915.35	3/4	3,571.19	3/4	3,227.03	3/4	2,882.87	3/4	2,538.71
7		7		7	4,905.17	7	4,596.25	7	4,252.34	7	3,908.18	7	3,564.02	7	3,219.86	7	2,875.70	7	2,531.54
1/4		1/4		1/4	4,901.97	1/4	4,589.09	1/4	4,245.17	1/4	3,901.01	1/4	3,556.85	1/4	3,212.69	1/4	2,868.53	1/4	2,524.37
1/2		1/2		1/2	4,898.77	1/2	4,581.94	1/2	4,238.00	1/2	3,893.84	1/2	3,549.68	1/2	3,205.52	1/2	2,861.36	1/2	2,517.20
3/4		3/4		3/4	4,895.57	3/4	4,574.79	3/4	4,230.83	3/4	3,886.67	3/4	3,542.51	3/4	3,198.35	3/4	2,854.19	3/4	2,510.03
8		8		8	4,891.31	8	4,567.64	8	4,223.66	8	3,879.50	8	3,535.34	8	3,191.18	8	2,847.02	8	2,502.86
1/4		1/4		1/4	4,887.04	1/4	4,560.48	1/4	4,216.49	1/4	3,872.33	1/4	3,528.17	1/4	3,184.01	1/4	2,839.85	1/4	2,495.69
1/2		1/2		1/2	4,882.78	1/2	4,553.33	1/2	4,209.32	1/2	3,865.16	1/2	3,521.00	1/2	3,176.84	1/2	2,832.68	1/2	2,488.52
3/4		3/4		3/4	4,878.51	3/4	4,546.18	3/4	4,202.15	3/4	3,857.99	3/4	3,513.83	3/4	3,169.67	3/4	2,825.51	3/4	2,481.35
9		9		9	4,873.18	9	4,539.03	9	4,194.98	9	3,850.82	9	3,506.66	9	3,162.50	9	2,818.34	9	2,474.18
1/4		1/4		1/4	4,867.85	1/4	4,531.88	1/4	4,187.81	1/4	3,843.65	1/4	3,499.49	1/4	3,155.33	1/4	2,811.17	1/4	2,467.01
1/2		1/2		1/2	4,862.51	1/2	4,524.73	1/2	4,180.64	1/2	3,836.48	1/2	3,492.32	1/2	3,148.16	1/2	2,804.00	1/2	2,459.84
3/4		3/4		3/4	4,857.18	3/4	4,517.58	3/4	4,173.47	3/4	3,829.31	3/4	3,485.15	3/4	3,140.99	3/4	2,796.83	3/4	2,452.67
10		10		10	4,850.82	10	4,510.42	10	4,166.30	10	3,822.14	10	3,477.98	10	3,133.82	10	2,789.66	10	2,445.50
1/4		1/4		1/4	4,844.46	1/4	4,503.26	1/4	4,159.13	1/4	3,814.97	1/4	3,470.81	1/4	3,126.65	1/4	2,782.49	1/4	2,438.33
1/2		1/2		1/2	4,838.09	1/2	4,496.11	1/2	4,151.96	1/2	3,807.80	1/2	3,463.64	1/2	3,119.48	1/2	2,775.32	1/2	2,431.16
3/4		3/4		3/4	4,831.73	3/4	4,488.95	3/4	4,144.79	3/4	3,800.63	3/4	3,456.47	3/4	3,112.31	3/4	2,768.15	3/4	2,423.99
11		11		11	4,824.71	11	4,481.78	11	4,137.62	11	3,793.46	11	3,449.30	11	3,105.14	11	2,760.98	11	2,416.82
1/4		1/4		1/4	4,817.70	1/4	4,474.61	1/4	4,130.45	1/4	3,786.29	1/4	3,442.13	1/4	3,097.97	1/4	2,753.81	1/4	2,409.65
1/2		1/2		1/2	4,810.68	1/2	4,467.44	1/2	4,123.28	1/2	3,779.12	1/2	3,434.96	1/2	3,090.80	1/2	2,746.64	1/2	2,402.48
3/4		3/4		3/4	4,803.66	3/4	4,460.27	3/4	4,116.11	3/4	3,771.95	3/4	3,427.79	3/4	3,083.63	3/4	2,739.47	3/4	2,395.31

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
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 TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MMI 3038"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 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	2,388.14	0	2,043.98	0	1,699.82	0	1,355.66	0	1,011.50	0	667.34	0	323.18	0		0		0	
1/4	2,380.96	1/4	2,036.81	1/4	1,692.65	1/4	1,348.49	1/4	1,004.33	1/4	660.17	1/4	316.01	1/4		1/4		1/4	
1/2	2,373.79	1/2	2,029.64	1/2	1,685.48	1/2	1,341.32	1/2	997.16	1/2	653.00	1/2	308.84	1/2		1/2		1/2	
3/4	2,366.62	3/4	2,022.47	3/4	1,678.31	3/4	1,334.15	3/4	989.99	3/4	645.83	3/4	301.67	3/4		3/4		3/4	
1	2,359.45	1	2,015.30	1	1,671.14	1	1,326.98	1	982.82	1	638.66	1	294.50	1		1		1	
1/4	2,352.28	1/4	2,008.13	1/4	1,663.97	1/4	1,319.81	1/4	975.65	1/4	631.49	1/4	287.33	1/4		1/4		1/4	
1/2	2,345.12	1/2	2,000.96	1/2	1,656.80	1/2	1,312.64	1/2	968.48	1/2	624.32	1/2	280.16	1/2		1/2		1/2	
3/4	2,337.95	3/4	1,993.79	3/4	1,649.63	3/4	1,305.47	3/4	961.31	3/4	617.15	3/4	272.99	3/4		3/4		3/4	
2	2,330.78	2	1,986.62	2	1,642.46	2	1,298.30	2	954.14	2	609.98	2	265.82	2		2		2	
1/4	2,323.61	1/4	1,979.45	1/4	1,635.29	1/4	1,291.13	1/4	946.97	1/4	602.81	1/4	258.65	1/4		1/4		1/4	
1/2	2,316.44	1/2	1,972.28	1/2	1,628.12	1/2	1,283.96	1/2	939.80	1/2	595.64	1/2	251.48	1/2		1/2		1/2	
3/4	2,309.27	3/4	1,965.11	3/4	1,620.95	3/4	1,276.79	3/4	932.63	3/4	588.47	3/4	244.31	3/4		3/4		3/4	
3	2,302.10	3	1,957.94	3	1,613.78	3	1,269.62	3	925.46	3	581.30	3	237.14	3		3		3	
1/4	2,294.93	1/4	1,950.77	1/4	1,606.61	1/4	1,262.45	1/4	918.29	1/4	574.13	1/4	229.97	1/4		1/4		1/4	
1/2	2,287.76	1/2	1,943.60	1/2	1,599.44	1/2	1,255.28	1/2	911.12	1/2	566.96	1/2	222.80	1/2		1/2		1/2	
3/4	2,280.59	3/4	1,936.43	3/4	1,592.27	3/4	1,248.11	3/4	903.95	3/4	559.79	3/4	215.63	3/4		3/4		3/4	
4	2,273.42	4	1,929.26	4	1,585.10	4	1,240.94	4	896.78	4	552.62	4	208.46	4		4		4	
1/4	2,266.25	1/4	1,922.09	1/4	1,577.93	1/4	1,233.77	1/4	889.61	1/4	545.45	1/4	201.29	1/4		1/4		1/4	
1/2	2,259.08	1/2	1,914.92	1/2	1,570.76	1/2	1,226.60	1/2	882.44	1/2	538.28	1/2	194.12	1/2		1/2		1/2	
3/4	2,251.91	3/4	1,907.75	3/4	1,563.59	3/4	1,219.43	3/4	875.27	3/4	531.11	3/4	186.95	3/4		3/4		3/4	
5	2,244.74	5	1,900.58	5	1,556.42	5	1,212.26	5	868.10	5	523.94	5	179.78	5		5		5	
1/4	2,237.57	1/4	1,893.41	1/4	1,549.25	1/4	1,205.09	1/4	860.93	1/4	516.77	1/4	172.61	1/4		1/4		1/4	
1/2	2,230.40	1/2	1,886.24	1/2	1,542.08	1/2	1,197.92	1/2	853.76	1/2	509.60	1/2	165.44	1/2		1/2		1/2	
3/4	2,223.23	3/4	1,879.07	3/4	1,534.91	3/4	1,190.75	3/4	846.59	3/4	502.43	3/4	158.27	3/4		3/4		3/4	
6	2,216.06	6	1,871.90	6	1,527.74	6	1,183.58	6	839.42	6	495.26	6	151.10	6		6		6	
1/4	2,208.89	1/4	1,864.73	1/4	1,520.57	1/4	1,176.41	1/4	832.25	1/4	488.09	1/4	143.93	1/4		1/4		1/4	
1/2	2,201.72	1/2	1,857.56	1/2	1,513.40	1/2	1,169.24	1/2	825.08	1/2	480.92	1/2	136.76	1/2		1/2		1/2	
3/4	2,194.55	3/4	1,850.39	3/4	1,506.23	3/4	1,162.07	3/4	817.91	3/4	473.75	3/4	129.59	3/4		3/4		3/4	
7	2,187.38	7	1,843.22	7	1,499.06	7	1,154.90	7	810.74	7	466.58	7	122.42	7		7		7	
1/4	2,180.21	1/4	1,836.05	1/4	1,491.89	1/4	1,147.73	1/4	803.57	1/4	459.41	1/4	115.25	1/4		1/4		1/4	
1/2	2,173.04	1/2	1,828.88	1/2	1,484.72	1/2	1,140.56	1/2	796.40	1/2	452.24	1/2	108.08	1/2		1/2		1/2	
3/4	2,165.87	3/4	1,821.71	3/4	1,477.55	3/4	1,133.39	3/4	789.23	3/4	445.07	3/4	100.91	3/4		3/4		3/4	
8	2,158.70	8	1,814.54	8	1,470.38	8	1,126.22	8	782.06	8	437.90	8	93.74	8		8		8	
1/4	2,151.53	1/4	1,807.37	1/4	1,463.21	1/4	1,119.05	1/4	774.89	1/4	430.73	1/4	86.57	1/4		1/4		1/4	
1/2	2,144.36	1/2	1,800.20	1/2	1,456.04	1/2	1,111.88	1/2	767.72	1/2	423.56	1/2	79.40	1/2		1/2		1/2	
3/4	2,137.19	3/4	1,793.03	3/4	1,448.87	3/4	1,104.71	3/4	760.55	3/4	416.39	3/4	72.23	3/4		3/4		3/4	
9	2,130.02	9	1,785.86	9	1,441.70	9	1,097.54	9	753.38	9	409.22	9	65.18	9		9		9	
1/4	2,122.85	1/4	1,778.69	1/4	1,434.53	1/4	1,090.37	1/4	746.21	1/4	402.05	1/4	58.13	1/4		1/4		1/4	
1/2	2,115.68	1/2	1,771.52	1/2	1,427.36	1/2	1,083.20	1/2	739.04	1/2	394.88	1/2	51.08	1/2		1/2		1/2	
3/4	2,108.51	3/4	1,764.35	3/4	1,420.19	3/4	1,076.03	3/4	731.87	3/4	387.71	3/4	44.03	3/4		3/4		3/4	
10	2,101.34	10	1,757.18	10	1,413.02	10	1,068.86	10	724.70	10	380.54	10	38.50	10		10		10	
1/4	2,094.17	1/4	1,750.01	1/4	1,405.85	1/4	1,061.69	1/4	717.53	1/4	373.37	1/4	32.97	1/4		1/4		1/4	
1/2	2,087.00	1/2	1,742.84	1/2	1,398.68	1/2	1,054.52	1/2	710.36	1/2	366.20	1/2	27.45	1/2		1/2		1/2	
3/4	2,079.83	3/4	1,735.67	3/4	1,391.51	3/4	1,047.35	3/4	703.19	3/4	359.03	3/4		3/4		3/4		3/4	
11	2,072.66	11	1,728.50	11	1,384.34	11	1,040.18	11	696.02	11	351.86	11		11		11		11	
1/4	2,065.49	1/4	1,721.33	1/4	1,377.17	1/4	1,033.01	1/4	688.85	1/4	344.69	1/4		1/4		1/4		1/4	
1/2	2,058.32	1/2	1,714.16	1/2	1,370.00	1/2	1,025.84	1/2	681.68	1/2	337.52	1/2		1/2		1/2		1/2	
3/4	2,051.15	3/4	1,706.99	3/4	1,362.83	3/4	1,018.67	3/4	674.51	3/4	330.35	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2003 INSP.
RECALCULATED: 10/25/2018
VERIFIED: 12/01/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MMI 3038"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 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.		
0		0		0		0	4,803.66	0	4,460.27	0	4,116.11	0	3,771.95	0	3,427.79	0	3,083.63	0	2,739.47		
1/4		1/4		1/4		1/4	4,796.51	1/4	4,453.10	1/4	4,108.94	1/4	3,764.78	1/4	3,420.62	1/4	3,076.46	1/4	2,732.30		
1/2		1/2		1/2		1/2	4,789.36	1/2	4,445.93	1/2	4,101.77	1/2	3,757.61	1/2	3,413.45	1/2	3,069.29	1/2	2,725.13		
3/4		3/4		3/4		3/4	4,782.20	3/4	4,438.76	3/4	4,094.60	3/4	3,750.44	3/4	3,406.28	3/4	3,062.12	3/4	2,717.96		
1		1		1		1	4,775.05	1	4,431.59	1	4,087.43	1	3,743.27	1	3,399.11	1	3,054.95	1	2,710.79		
1/4		1/4		1/4		1/4	4,767.90	1/4	4,424.42	1/4	4,080.26	1/4	3,736.10	1/4	3,391.94	1/4	3,047.78	1/4	2,703.62		
1/2		1/2		1/2		1/2	4,760.75	1/2	4,417.25	1/2	4,073.09	1/2	3,728.93	1/2	3,384.77	1/2	3,040.61	1/2	2,696.45		
3/4		3/4		3/4		3/4	4,753.59	3/4	4,410.08	3/4	4,065.92	3/4	3,721.76	3/4	3,377.60	3/4	3,033.44	3/4	2,689.28		
2		2		2		2	4,746.44	2	4,402.91	2	4,058.75	2	3,714.59	2	3,370.43	2	3,026.27	2	2,682.11		
1/4		1/4		1/4		1/4	4,739.29	1/4	4,395.74	1/4	4,051.58	1/4	3,707.42	1/4	3,363.26	1/4	3,019.10	1/4	2,674.94		
1/2		1/2		1/2		1/2	4,732.13	1/2	4,388.57	1/2	4,044.41	1/2	3,700.25	1/2	3,356.09	1/2	3,011.93	1/2	2,667.77		
3/4		3/4		3/4		3/4	4,724.98	3/4	4,381.40	3/4	4,037.24	3/4	3,693.08	3/4	3,348.92	3/4	3,004.76	3/4	2,660.60		
3		3		3		3	4,717.83	3	4,374.23	3	4,030.07	3	3,685.91	3	3,341.75	3	2,997.59	3	2,653.43		
1/4		1/4		1/4		1/4	4,710.68	1/4	4,367.06	1/4	4,022.90	1/4	3,678.74	1/4	3,334.58	1/4	2,990.42	1/4	2,646.26		
1/2		1/2		1/2		1/2	4,703.52	1/2	4,359.89	1/2	4,015.73	1/2	3,671.57	1/2	3,327.41	1/2	2,983.25	1/2	2,639.09		
3/4		3/4		3/4		3/4	4,696.37	3/4	4,352.72	3/4	4,008.56	3/4	3,664.40	3/4	3,320.24	3/4	2,976.08	3/4	2,631.92		
4		4		4		4	4,689.22	4	4,345.55	4	4,001.39	4	3,657.23	4	3,313.07	4	2,968.91	4	2,624.75		
1/4		1/4		1/4		1/4	4,682.07	1/4	4,338.38	1/4	3,994.22	1/4	3,650.06	1/4	3,305.90	1/4	2,961.74	1/4	2,617.58		
1/2		1/2		1/2		1/2	4,922.07	1/2	4,674.92	1/2	4,331.21	1/2	3,987.05	1/2	3,642.89	1/2	3,298.73	1/2	2,954.57	1/2	2,610.41
3/4		3/4		3/4		3/4	4,921.68	3/4	4,667.77	3/4	4,324.04	3/4	3,979.88	3/4	3,635.72	3/4	3,291.56	3/4	2,947.40	3/4	2,603.24
5		5		5		5	4,921.28	5	4,660.62	5	4,316.87	5	3,972.71	5	3,628.55	5	3,284.39	5	2,940.23	5	2,596.07
1/4		1/4		1/4		1/4	4,920.18	1/4	4,653.47	1/4	4,309.70	1/4	3,965.54	1/4	3,621.38	1/4	3,277.22	1/4	2,933.06	1/4	2,588.90
1/2		1/2		1/2		1/2	4,919.09	1/2	4,646.32	1/2	4,302.53	1/2	3,958.37	1/2	3,614.21	1/2	3,270.05	1/2	2,925.89	1/2	2,581.73
3/4		3/4		3/4		3/4	4,917.99	3/4	4,639.16	3/4	4,295.36	3/4	3,951.20	3/4	3,607.04	3/4	3,262.88	3/4	2,918.72	3/4	2,574.56
6		6		6		6	4,916.89	6	4,632.01	6	4,288.19	6	3,944.03	6	3,599.87	6	3,255.71	6	2,911.55	6	2,567.39
1/4		1/4		1/4		1/4	4,914.76	1/4	4,624.86	1/4	4,281.02	1/4	3,936.86	1/4	3,592.70	1/4	3,248.54	1/4	2,904.38	1/4	2,560.22
1/2		1/2		1/2		1/2	4,912.63	1/2	4,617.70	1/2	4,273.85	1/2	3,929.69	1/2	3,585.53	1/2	3,241.37	1/2	2,897.21	1/2	2,553.05
3/4		3/4		3/4		3/4	4,910.50	3/4	4,610.55	3/4	4,266.68	3/4	3,922.52	3/4	3,578.36	3/4	3,234.20	3/4	2,890.04	3/4	2,545.88
7		7		7		7	4,908.37	7	4,603.40	7	4,259.51	7	3,915.35	7	3,571.19	7	3,227.03	7	2,882.87	7	2,538.71
1/4		1/4		1/4		1/4	4,905.17	1/4	4,596.25	1/4	4,252.34	1/4	3,908.18	1/4	3,564.02	1/4	3,219.86	1/4	2,875.70	1/4	2,531.54
1/2		1/2		1/2		1/2	4,901.97	1/2	4,589.09	1/2	4,245.17	1/2	3,901.01	1/2	3,556.85	1/2	3,212.69	1/2	2,868.53	1/2	2,524.37
3/4		3/4		3/4		3/4	4,898.77	3/4	4,581.94	3/4	4,238.00	3/4	3,893.84	3/4	3,549.68	3/4	3,205.52	3/4	2,861.36	3/4	2,517.20
8		8		8		8	4,895.57	8	4,574.79	8	4,230.83	8	3,886.67	8	3,542.51	8	3,198.35	8	2,854.19	8	2,510.03
1/4		1/4		1/4		1/4	4,891.31	1/4	4,567.64	1/4	4,223.66	1/4	3,879.50	1/4	3,535.34	1/4	3,191.18	1/4	2,847.02	1/4	2,502.86
1/2		1/2		1/2		1/2	4,887.04	1/2	4,560.48	1/2	4,216.49	1/2	3,872.33	1/2	3,528.17	1/2	3,184.01	1/2	2,839.85	1/2	2,495.69
3/4		3/4		3/4		3/4	4,882.78	3/4	4,553.33	3/4	4,209.32	3/4	3,865.16	3/4	3,521.00	3/4	3,176.84	3/4	2,832.68	3/4	2,488.52
9		9		9		9	4,878.51	9	4,546.18	9	4,202.15	9	3,857.99	9	3,513.83	9	3,169.67	9	2,825.51	9	2,481.35
1/4		1/4		1/4		1/4	4,873.18	1/4	4,539.03	1/4	4,194.98	1/4	3,850.82	1/4	3,506.66	1/4	3,162.50	1/4	2,818.34	1/4	2,474.18
1/2		1/2		1/2		1/2	4,867.85	1/2	4,531.88	1/2	4,187.81	1/2	3,843.65	1/2	3,499.49	1/2	3,155.33	1/2	2,811.17	1/2	2,467.01
3/4		3/4		3/4		3/4	4,862.51	3/4	4,524.73	3/4	4,180.64	3/4	3,836.48	3/4	3,492.32	3/4	3,148.16	3/4	2,804.00	3/4	2,459.84
10		10		10		10	4,857.18	10	4,517.58	10	4,173.47	10	3,829.31	10	3,485.15	10	3,140.99	10	2,796.83	10	2,452.67
1/4		1/4		1/4		1/4	4,850.82	1/4	4,510.42	1/4	4,166.30	1/4	3,822.14	1/4	3,477.98	1/4	3,133.82	1/4	2,789.66	1/4	2,445.50
1/2		1/2		1/2		1/2	4,844.46	1/2	4,503.26	1/2	4,159.13	1/2	3,814.97	1/2	3,470.81	1/2	3,126.65	1/2	2,782.49	1/2	2,438.33
3/4		3/4		3/4		3/4	4,838.09	3/4	4,496.11	3/4	4,151.96	3/4	3,807.80	3/4	3,463.64	3/4	3,119.48	3/4	2,775.32	3/4	2,431.16
11		11		11		11	4,831.73	11	4,488.95	11	4,144.79	11	3,800.63	11	3,456.47	11	3,112.31	11	2,768.15	11	2,423.99
1/4		1/4		1/4		1/4	4,824.71	1/4	4,481.78	1/4	4,137.62	1/4	3,793.46	1/4	3,449.30	1/4	3,105.14	1/4	2,760.98	1/4	2,416.82
1/2		1/2		1/2		1/2	4,817.70	1/2	4,474.61	1/2	4,130.45	1/2	3,786.29	1/2	3,442.13	1/2	3,097.97	1/2	2,753.81	1/2	2,409.65
3/4		3/4		3/4		3/4	4,810.68	3/4	4,467.44	3/4	4,123.28	3/4	3,779.12	3/4	3,434.96	3/4	3,090.80	3/4	2,746.64	3/4	2,402.48

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

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 TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MMI 3038"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 3/4"

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	2,395.31	0	2,051.15	0	1,706.99	0	1,362.83	0	1,018.67	0	674.51	0	330.35	0		0		0	
1/4	2,388.14	1/4	2,043.98	1/4	1,699.82	1/4	1,355.66	1/4	1,011.50	1/4	667.34	1/4	323.18	1/4		1/4		1/4	
1/2	2,380.96	1/2	2,036.81	1/2	1,692.65	1/2	1,348.49	1/2	1,004.33	1/2	660.17	1/2	316.01	1/2		1/2		1/2	
3/4	2,373.79	3/4	2,029.64	3/4	1,685.48	3/4	1,341.32	3/4	997.16	3/4	653.00	3/4	308.84	3/4		3/4		3/4	
1	2,366.62	1	2,022.47	1	1,678.31	1	1,334.15	1	989.99	1	645.83	1	301.67	1		1		1	
1/4	2,359.45	1/4	2,015.30	1/4	1,671.14	1/4	1,326.98	1/4	982.82	1/4	638.66	1/4	294.50	1/4		1/4		1/4	
1/2	2,352.28	1/2	2,008.13	1/2	1,663.97	1/2	1,319.81	1/2	975.65	1/2	631.49	1/2	287.33	1/2		1/2		1/2	
3/4	2,345.12	3/4	2,000.96	3/4	1,656.80	3/4	1,312.64	3/4	968.48	3/4	624.32	3/4	280.16	3/4		3/4		3/4	
2	2,337.95	2	1,993.79	2	1,649.63	2	1,305.47	2	961.31	2	617.15	2	272.99	2		2		2	
1/4	2,330.78	1/4	1,986.62	1/4	1,642.46	1/4	1,298.30	1/4	954.14	1/4	609.98	1/4	265.82	1/4		1/4		1/4	
1/2	2,323.61	1/2	1,979.45	1/2	1,635.29	1/2	1,291.13	1/2	946.97	1/2	602.81	1/2	258.65	1/2		1/2		1/2	
3/4	2,316.44	3/4	1,972.28	3/4	1,628.12	3/4	1,283.96	3/4	939.80	3/4	595.64	3/4	251.48	3/4		3/4		3/4	
3	2,309.27	3	1,965.11	3	1,620.95	3	1,276.79	3	932.63	3	588.47	3	244.31	3		3		3	
1/4	2,302.10	1/4	1,957.94	1/4	1,613.78	1/4	1,269.62	1/4	925.46	1/4	581.30	1/4	237.14	1/4		1/4		1/4	
1/2	2,294.93	1/2	1,950.77	1/2	1,606.61	1/2	1,262.45	1/2	918.29	1/2	574.13	1/2	229.97	1/2		1/2		1/2	
3/4	2,287.76	3/4	1,943.60	3/4	1,599.44	3/4	1,255.28	3/4	911.12	3/4	566.96	3/4	222.80	3/4		3/4		3/4	
4	2,280.59	4	1,936.43	4	1,592.27	4	1,248.11	4	903.95	4	559.79	4	215.63	4		4		4	
1/4	2,273.42	1/4	1,929.26	1/4	1,585.10	1/4	1,240.94	1/4	896.78	1/4	552.62	1/4	208.46	1/4		1/4		1/4	
1/2	2,266.25	1/2	1,922.09	1/2	1,577.93	1/2	1,233.77	1/2	889.61	1/2	545.45	1/2	201.29	1/2		1/2		1/2	
3/4	2,259.08	3/4	1,914.92	3/4	1,570.76	3/4	1,226.60	3/4	882.44	3/4	538.28	3/4	194.12	3/4		3/4		3/4	
5	2,251.91	5	1,907.75	5	1,563.59	5	1,219.43	5	875.27	5	531.11	5	186.95	5		5		5	
1/4	2,244.74	1/4	1,900.58	1/4	1,556.42	1/4	1,212.26	1/4	868.10	1/4	523.94	1/4	179.78	1/4		1/4		1/4	
1/2	2,237.57	1/2	1,893.41	1/2	1,549.25	1/2	1,205.09	1/2	860.93	1/2	516.77	1/2	172.61	1/2		1/2		1/2	
3/4	2,230.40	3/4	1,886.24	3/4	1,542.08	3/4	1,197.92	3/4	853.76	3/4	509.60	3/4	165.44	3/4		3/4		3/4	
6	2,223.23	6	1,879.07	6	1,534.91	6	1,190.75	6	846.59	6	502.43	6	158.27	6		6		6	
1/4	2,216.06	1/4	1,871.90	1/4	1,527.74	1/4	1,183.58	1/4	839.42	1/4	495.26	1/4	151.10	1/4		1/4		1/4	
1/2	2,208.89	1/2	1,864.73	1/2	1,520.57	1/2	1,176.41	1/2	832.25	1/2	488.09	1/2	143.93	1/2		1/2		1/2	
3/4	2,201.72	3/4	1,857.56	3/4	1,513.40	3/4	1,169.24	3/4	825.08	3/4	480.92	3/4	136.76	3/4		3/4		3/4	
7	2,194.55	7	1,850.39	7	1,506.23	7	1,162.07	7	817.91	7	473.75	7	129.59	7		7		7	
1/4	2,187.38	1/4	1,843.22	1/4	1,499.06	1/4	1,154.90	1/4	810.74	1/4	466.58	1/4	122.42	1/4		1/4		1/4	
1/2	2,180.21	1/2	1,836.05	1/2	1,491.89	1/2	1,147.73	1/2	803.57	1/2	459.41	1/2	115.25	1/2		1/2		1/2	
3/4	2,173.04	3/4	1,828.88	3/4	1,484.72	3/4	1,140.56	3/4	796.40	3/4	452.24	3/4	108.08	3/4		3/4		3/4	
8	2,165.87	8	1,821.71	8	1,477.55	8	1,133.39	8	789.23	8	445.07	8	100.91	8		8		8	
1/4	2,158.70	1/4	1,814.54	1/4	1,470.38	1/4	1,126.22	1/4	782.06	1/4	437.90	1/4	93.74	1/4		1/4		1/4	
1/2	2,151.53	1/2	1,807.37	1/2	1,463.21	1/2	1,119.05	1/2	774.89	1/2	430.73	1/2	86.57	1/2		1/2		1/2	
3/4	2,144.36	3/4	1,800.20	3/4	1,456.04	3/4	1,111.88	3/4	767.72	3/4	423.56	3/4	79.40	3/4		3/4		3/4	
9	2,137.19	9	1,793.03	9	1,448.87	9	1,104.71	9	760.55	9	416.39	9	72.23	9		9		9	
1/4	2,130.02	1/4	1,785.86	1/4	1,441.70	1/4	1,097.54	1/4	753.38	1/4	409.22	1/4	65.18	1/4		1/4		1/4	
1/2	2,122.85	1/2	1,778.69	1/2	1,434.53	1/2	1,090.37	1/2	746.21	1/2	402.05	1/2	58.13	1/2		1/2		1/2	
3/4	2,115.68	3/4	1,771.52	3/4	1,427.36	3/4	1,083.20	3/4	739.04	3/4	394.88	3/4	51.08	3/4		3/4		3/4	
10	2,108.51	10	1,764.35	10	1,420.19	10	1,076.03	10	731.87	10	387.71	10	44.03	10		10		10	
1/4	2,101.34	1/4	1,757.18	1/4	1,413.02	1/4	1,068.86	1/4	724.70	1/4	380.54	1/4	38.50	1/4		1/4		1/4	
1/2	2,094.17	1/2	1,750.01	1/2	1,405.85	1/2	1,061.69	1/2	717.53	1/2	373.37	1/2	32.97	1/2		1/2		1/2	
3/4	2,087.00	3/4	1,742.84	3/4	1,398.68	3/4	1,054.52	3/4	710.36	3/4	366.20	3/4	27.45	3/4		3/4		3/4	
11	2,079.83	11	1,735.67	11	1,391.51	11	1,047.35	11	703.19	11	359.03	11		11		11		11	
1/4	2,072.66	1/4	1,728.50	1/4	1,384.34	1/4	1,040.18	1/4	696.02	1/4	351.86	1/4		1/4		1/4		1/4	
1/2	2,065.49	1/2	1,721.33	1/2	1,377.17	1/2	1,033.01	1/2	688.85	1/2	344.69	1/2		1/2		1/2		1/2	
3/4	2,058.32	3/4	1,714.16	3/4	1,370.00	3/4	1,025.84	3/4	681.68	3/4	337.52	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

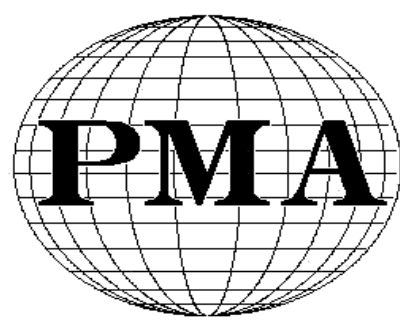
STRAPPED: 10/02/2003 INSP.
RECALCULATED: 10/25/2018
VERIFIED: 12/01/2023 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023



BARGE "MMI 3038"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,607.51	0	4,354.16	0	4,100.82	0	3,847.48	0	3,591.06	0	3,242.17	0	2,877.76
1/4		1/4		1/4		1/4	4,602.23	1/4	4,348.88	1/4	4,095.54	1/4	3,842.20	1/4	3,585.18	1/4	3,234.58	1/4	2,870.17
1/2		1/2		1/2		1/2	4,596.95	1/2	4,343.60	1/2	4,090.26	1/2	3,836.92	1/2	3,578.95	1/2	3,226.99	1/2	2,862.58
3/4		3/4		3/4		3/4	4,591.68	3/4	4,338.33	3/4	4,084.98	3/4	3,831.64	3/4	3,572.72	3/4	3,219.40	3/4	2,854.98
1		1		1		1	4,586.40	1	4,333.05	1	4,079.71	1	3,826.36	1	3,566.50	1	3,211.81	1	2,847.39
1/4		1/4		1/4		1/4	4,581.12	1/4	4,327.77	1/4	4,074.43	1/4	3,821.08	1/4	3,560.27	1/4	3,204.22	1/4	2,839.80
1/2		1/2		1/2		1/2	4,575.84	1/2	4,322.49	1/2	4,069.15	1/2	3,815.80	1/2	3,553.70	1/2	3,196.63	1/2	2,832.21
3/4		3/4		3/4		3/4	4,570.56	3/4	4,317.22	3/4	4,063.87	3/4	3,810.52	3/4	3,547.12	3/4	3,189.03	3/4	2,824.61
2		2		2		2	4,565.28	2	4,311.94	2	4,058.60	2	3,805.25	2	3,540.55	2	3,181.44	2	2,817.02
1/4		1/4		1/4		1/4	4,560.00	1/4	4,306.66	1/4	4,053.32	1/4	3,799.97	1/4	3,533.98	1/4	3,173.85	1/4	2,809.43
1/2		1/2		1/2		1/2	4,554.72	1/2	4,301.38	1/2	4,048.04	1/2	3,794.69	1/2	3,527.06	1/2	3,166.26	1/2	2,801.84
3/4		3/4		3/4		3/4	4,549.45	3/4	4,296.11	3/4	4,042.76	3/4	3,789.41	3/4	3,520.13	3/4	3,158.66	3/4	2,794.24
3		3		3		3	4,544.17	3	4,290.83	3	4,037.48	3	3,784.14	3	3,513.21	3	3,151.07	3	2,786.65
1/4		1/4		1/4		1/4	4,538.89	1/4	4,285.55	1/4	4,032.20	1/4	3,778.86	1/4	3,506.29	1/4	3,143.48	1/4	2,779.06
1/2		1/2		1/2		1/2	4,533.61	1/2	4,280.27	1/2	4,026.92	1/2	3,773.58	1/2	3,499.02	1/2	3,135.89	1/2	2,771.47
3/4		3/4		3/4		3/4	4,710.38	3/4	4,528.34	3/4	4,275.00	3/4	4,021.64	3/4	3,768.30	3/4	3,491.75	3/4	3,128.29
4		4		4		4	4,710.09	4	4,523.06	4	4,269.72	4	4,016.37	4	3,763.03	4	3,484.49	4	3,120.70
1/4		1/4		1/4		1/4	4,709.80	1/4	4,517.78	1/4	4,264.44	1/4	4,011.09	1/4	3,757.75	1/4	3,477.22	1/4	3,113.11
1/2		1/2		1/2		1/2	4,709.00	1/2	4,512.50	1/2	4,259.16	1/2	4,005.81	1/2	3,752.47	1/2	3,469.70	1/2	3,105.52
3/4		3/4		3/4		3/4	4,708.20	3/4	4,507.23	3/4	4,253.88	3/4	4,000.53	3/4	3,747.19	3/4	3,462.19	3/4	3,097.92
5		5		5		5	4,707.39	5	4,501.95	5	4,248.60	5	3,995.26	5	3,741.92	5	3,454.67	5	3,090.33
1/4		1/4		1/4		1/4	4,706.59	1/4	4,496.67	1/4	4,243.32	1/4	3,989.98	1/4	3,736.64	1/4	3,447.16	1/4	3,082.74
1/2		1/2		1/2		1/2	4,705.03	1/2	4,491.39	1/2	4,238.04	1/2	3,984.70	1/2	3,731.36	1/2	3,439.57	1/2	3,075.15
3/4		3/4		3/4		3/4	4,703.47	3/4	4,486.12	3/4	4,232.77	3/4	3,979.42	3/4	3,726.08	3/4	3,431.97	3/4	3,067.56
6		6		6		6	4,701.90	6	4,480.84	6	4,227.49	6	3,974.15	6	3,720.80	6	3,424.38	6	3,059.97
1/4		1/4		1/4		1/4	4,700.34	1/4	4,475.56	1/4	4,222.21	1/4	3,968.87	1/4	3,715.52	1/4	3,416.79	1/4	3,052.38
1/2		1/2		1/2		1/2	4,698.00	1/2	4,470.28	1/2	4,216.93	1/2	3,963.59	1/2	3,710.24	1/2	3,409.20	1/2	3,044.79
3/4		3/4		3/4		3/4	4,695.65	3/4	4,465.00	3/4	4,211.66	3/4	3,958.31	3/4	3,704.96	3/4	3,401.60	3/4	3,037.19
7		7		7		7	4,693.31	7	4,459.72	7	4,206.38	7	3,953.04	7	3,699.69	7	3,394.01	7	3,029.60
1/4		1/4		1/4		1/4	4,690.96	1/4	4,454.44	1/4	4,201.10	1/4	3,947.76	1/4	3,694.41	1/4	3,386.42	1/4	3,022.01
1/2		1/2		1/2		1/2	4,687.84	1/2	4,449.16	1/2	4,195.82	1/2	3,942.48	1/2	3,689.13	1/2	3,378.83	1/2	3,014.42
3/4		3/4		3/4		3/4	4,684.71	3/4	4,443.89	3/4	4,190.55	3/4	3,937.20	3/4	3,683.85	3/4	3,371.24	3/4	3,006.82
8		8		8		8	4,681.59	8	4,438.61	8	4,185.27	8	3,931.92	8	3,678.58	8	3,363.65	8	2,999.23
1/4		1/4		1/4		1/4	4,678.46	1/4	4,433.33	1/4	4,179.99	1/4	3,926.64	1/4	3,673.30	1/4	3,356.06	1/4	2,991.64
1/2		1/2		1/2		1/2	4,674.55	1/2	4,428.05	1/2	4,174.71	1/2	3,921.36	1/2	3,668.02	1/2	3,348.47	1/2	2,984.05
3/4		3/4		3/4		3/4	4,670.64	3/4	4,422.78	3/4	4,169.43	3/4	3,916.08	3/4	3,662.74	3/4	3,340.87	3/4	2,976.45
9		9		9		9	4,666.73	9	4,417.50	9	4,164.16	9	3,910.81	9	3,657.47	9	3,333.28	9	2,968.86
1/4		1/4		1/4		1/4	4,662.82	1/4	4,412.22	1/4	4,158.88	1/4	3,905.53	1/4	3,652.19	1/4	3,325.69	1/4	2,961.27
1/2		1/2		1/2		1/2	4,658.13	1/2	4,406.94	1/2	4,153.60	1/2	3,900.25	1/2	3,646.88	1/2	3,318.10	1/2	2,953.68
3/4		3/4		3/4		3/4	4,653.44	3/4	4,401.67	3/4	4,148.32	3/4	3,894.97	3/4	3,641.57	3/4	3,310.50	3/4	2,946.08
10		10		10		10	4,648.75	10	4,396.39	10	4,143.04	10	3,889.70	10	3,636.26	10	3,302.91	10	2,938.49
1/4		1/4		1/4		1/4	4,644.06	1/4	4,391.11	1/4	4,137.76	1/4	3,884.42	1/4	3,630.95	1/4	3,295.32	1/4	2,930.90
1/2		1/2		1/2		1/2	4,638.88	1/2	4,385.83	1/2	4,132.48	1/2	3,879.14	1/2	3,625.39	1/2	3,287.73	1/2	2,923.31
3/4		3/4		3/4		3/4	4,633.70	3/4	4,380.56	3/4	4,127.21	3/4	3,873.86	3/4	3,619.83	3/4	3,280.13	3/4	2,915.72
11		11		11		11	4,628.52	11	4,375.28	11	4,121.93	11	3,868.59	11	3,614.28	11	3,272.54	11	2,908.13
1/4		1/4		1/4		1/4	4,623.34	1/4	4,370.00	1/4	4,116.65	1/4	3,863.31	1/4	3,608.72	1/4	3,264.95	1/4	2,900.54
1/2		1/2		1/2		1/2	4,618.06	1/2	4,364.72	1/2	4,111.37	1/2	3,858.03	1/2	3,602.83	1/2	3,257.36	1/2	2,892.95
3/4		3/4		3/4		3/4	4,612.79	3/4	4,359.44	3/4	4,106.09	3/4	3,852.75	3/4	3,596.95	3/4	3,249.76	3/4	2,885.35

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 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 TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MMI 3038"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

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	2,513.34	0	2,148.93	0	1,784.51	0	1,420.09	0	1,055.68	0	692.28	0	327.44	0		0		0	
1/4	2,505.75	1/4	2,141.34	1/4	1,776.92	1/4	1,412.50	1/4	1,048.09	1/4	684.71	1/4	319.84	1/4		1/4		1/4	
1/2	2,498.16	1/2	2,133.75	1/2	1,769.33	1/2	1,404.91	1/2	1,040.51	1/2	677.11	1/2	312.24	1/2		1/2		1/2	
3/4	2,490.56	3/4	2,126.15	3/4	1,761.73	3/4	1,397.32	3/4	1,032.94	3/4	669.52	3/4	304.63	3/4		3/4		3/4	
1	2,482.97	1	2,118.56	1	1,754.14	1	1,389.73	1	1,025.36	1	661.92	1	297.03	1		1		1	
1/4	2,475.38	1/4	2,110.97	1/4	1,746.55	1/4	1,382.14	1/4	1,017.79	1/4	654.33	1/4	289.43	1/4		1/4		1/4	
1/2	2,467.79	1/2	2,103.38	1/2	1,738.96	1/2	1,374.55	1/2	1,010.22	1/2	646.73	1/2	281.83	1/2		1/2		1/2	
3/4	2,460.20	3/4	2,095.78	3/4	1,731.36	3/4	1,366.95	3/4	1,002.65	3/4	639.12	3/4	274.23	3/4		3/4		3/4	
2	2,452.61	2	2,088.19	2	1,723.77	2	1,359.36	2	995.08	2	631.52	2	266.63	2		2		2	
1/4	2,445.02	1/4	2,080.60	1/4	1,716.18	1/4	1,351.77	1/4	987.51	1/4	623.92	1/4	259.03	1/4		1/4		1/4	
1/2	2,437.43	1/2	2,073.01	1/2	1,708.59	1/2	1,344.18	1/2	979.94	1/2	616.32	1/2	251.43	1/2		1/2		1/2	
3/4	2,429.83	3/4	2,065.41	3/4	1,701.00	3/4	1,336.58	3/4	972.37	3/4	608.71	3/4	243.82	3/4		3/4		3/4	
3	2,422.24	3	2,057.82	3	1,693.41	3	1,328.99	3	964.80	3	601.11	3	236.22	3		3		3	
1/4	2,414.65	1/4	2,050.23	1/4	1,685.82	1/4	1,321.40	1/4	957.23	1/4	593.51	1/4	228.62	1/4		1/4		1/4	
1/2	2,407.06	1/2	2,042.64	1/2	1,678.23	1/2	1,313.81	1/2	949.66	1/2	585.91	1/2	221.02	1/2		1/2		1/2	
3/4	2,399.46	3/4	2,035.04	3/4	1,670.63	3/4	1,306.21	3/4	942.09	3/4	578.31	3/4	213.41	3/4		3/4		3/4	
4	2,391.87	4	2,027.45	4	1,663.04	4	1,298.62	4	934.52	4	570.71	4	205.81	4		4		4	
1/4	2,384.28	1/4	2,019.86	1/4	1,655.45	1/4	1,291.03	1/4	926.95	1/4	563.11	1/4	198.21	1/4		1/4		1/4	
1/2	2,376.69	1/2	2,012.27	1/2	1,647.86	1/2	1,283.44	1/2	919.38	1/2	555.51	1/2	190.61	1/2		1/2		1/2	
3/4	2,369.09	3/4	2,004.68	3/4	1,640.26	3/4	1,275.84	3/4	911.81	3/4	547.90	3/4	183.00	3/4		3/4		3/4	
5	2,361.50	5	1,997.09	5	1,632.67	5	1,268.25	5	904.24	5	540.30	5	175.40	5		5		5	
1/4	2,353.91	1/4	1,989.50	1/4	1,625.08	1/4	1,260.66	1/4	896.67	1/4	532.70	1/4	167.80	1/4		1/4		1/4	
1/2	2,346.32	1/2	1,981.91	1/2	1,617.49	1/2	1,253.07	1/2	889.10	1/2	525.10	1/2	160.20	1/2		1/2		1/2	
3/4	2,338.72	3/4	1,974.31	3/4	1,609.89	3/4	1,245.48	3/4	881.53	3/4	517.49	3/4	152.59	3/4		3/4		3/4	
6	2,331.13	6	1,966.72	6	1,602.30	6	1,237.89	6	873.96	6	509.89	6	144.99	6		6		6	
1/4	2,323.54	1/4	1,959.13	1/4	1,594.71	1/4	1,230.30	1/4	866.39	1/4	502.29	1/4	137.39	1/4		1/4		1/4	
1/2	2,315.95	1/2	1,951.54	1/2	1,587.12	1/2	1,222.71	1/2	858.82	1/2	494.69	1/2	129.79	1/2		1/2		1/2	
3/4	2,308.36	3/4	1,943.94	3/4	1,579.52	3/4	1,215.11	3/4	851.25	3/4	487.08	3/4	122.19	3/4		3/4		3/4	
7	2,300.77	7	1,936.35	7	1,571.93	7	1,207.52	7	843.68	7	479.48	7	114.59	7		7		7	
1/4	2,293.18	1/4	1,928.76	1/4	1,564.34	1/4	1,199.93	1/4	836.11	1/4	471.88	1/4	106.99	1/4		1/4		1/4	
1/2	2,285.59	1/2	1,921.17	1/2	1,556.75	1/2	1,192.34	1/2	828.54	1/2	464.28	1/2	99.39	1/2		1/2		1/2	
3/4	2,277.99	3/4	1,913.57	3/4	1,549.16	3/4	1,184.74	3/4	820.97	3/4	456.67	3/4	91.78	3/4		3/4		3/4	
8	2,270.40	8	1,905.98	8	1,541.57	8	1,177.15	8	813.40	8	449.07	8	84.18	8		8		8	
1/4	2,262.81	1/4	1,898.39	1/4	1,533.98	1/4	1,169.56	1/4	805.83	1/4	441.47	1/4	76.58	1/4		1/4		1/4	
1/2	2,255.22	1/2	1,890.80	1/2	1,526.39	1/2	1,161.97	1/2	798.26	1/2	433.87	1/2	69.11	1/2		1/2		1/2	
3/4	2,247.62	3/4	1,883.20	3/4	1,518.79	3/4	1,154.37	3/4	790.69	3/4	426.27	3/4	61.64	3/4		3/4		3/4	
9	2,240.03	9	1,875.61	9	1,511.20	9	1,146.78	9	783.12	9	418.67	9	54.18	9		9		9	
1/4	2,232.44	1/4	1,868.02	1/4	1,503.61	1/4	1,139.19	1/4	775.55	1/4	411.07	1/4	46.71	1/4		1/4		1/4	
1/2	2,224.85	1/2	1,860.43	1/2	1,496.02	1/2	1,131.60	1/2	767.98	1/2	403.47	1/2	40.87	1/2		1/2		1/2	
3/4	2,217.25	3/4	1,852.84	3/4	1,488.42	3/4	1,124.00	3/4	760.41	3/4	395.86	3/4	35.04	3/4		3/4		3/4	
10	2,209.66	10	1,845.25	10	1,480.83	10	1,116.41	10	752.84	10	388.26	10	29.20	10		10		10	
1/4	2,202.07	1/4	1,837.66	1/4	1,473.24	1/4	1,108.82	1/4	745.27	1/4	380.66	1/4	23.37	1/4		1/4		1/4	
1/2	2,194.48	1/2	1,830.07	1/2	1,465.65	1/2	1,101.23	1/2	737.70	1/2	373.06	1/2		1/2		1/2		1/2	
3/4	2,186.88	3/4	1,822.47	3/4	1,458.05	3/4	1,093.64	3/4	730.13	3/4	365.45	3/4		3/4		3/4		3/4	
11	2,179.29	11	1,814.88	11	1,450.46	11	1,086.05	11	722.56	11	357.85	11		11		11		11	
1/4	2,171.70	1/4	1,807.29	1/4	1,442.87	1/4	1,078.46	1/4	714.99	1/4	350.25	1/4		1/4		1/4		1/4	
1/2	2,164.11	1/2	1,799.70	1/2	1,435.28	1/2	1,070.87	1/2	707.42	1/2	342.65	1/2		1/2		1/2		1/2	
3/4	2,156.52	3/4	1,792.10	3/4	1,427.68	3/4	1,063.27	3/4	699.85	3/4	335.04	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2003 INSP.
RECALCULATED: 10/25/2018
VERIFIED: 12/01/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MMI 3038"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,607.51	0	4,354.16	0	4,100.82	0	3,847.48	0	3,591.06	0	3,242.17	0	2,877.76
1/4		1/4		1/4		1/4	4,602.23	1/4	4,348.88	1/4	4,095.54	1/4	3,842.20	1/4	3,585.18	1/4	3,234.58	1/4	2,870.17
1/2		1/2		1/2		1/2	4,596.95	1/2	4,343.60	1/2	4,090.26	1/2	3,836.92	1/2	3,578.95	1/2	3,226.99	1/2	2,862.58
3/4		3/4		3/4		3/4	4,591.68	3/4	4,338.33	3/4	4,084.98	3/4	3,831.64	3/4	3,572.72	3/4	3,219.40	3/4	2,854.98
1		1		1		1	4,586.40	1	4,333.05	1	4,079.71	1	3,826.36	1	3,566.50	1	3,211.81	1	2,847.39
1/4		1/4		1/4		1/4	4,581.12	1/4	4,327.77	1/4	4,074.43	1/4	3,821.08	1/4	3,560.27	1/4	3,204.22	1/4	2,839.80
1/2		1/2		1/2		1/2	4,575.84	1/2	4,322.49	1/2	4,069.15	1/2	3,815.80	1/2	3,553.70	1/2	3,196.63	1/2	2,832.21
3/4		3/4		3/4		3/4	4,570.56	3/4	4,317.22	3/4	4,063.87	3/4	3,810.52	3/4	3,547.12	3/4	3,189.03	3/4	2,824.61
2		2		2		2	4,565.28	2	4,311.94	2	4,058.60	2	3,805.25	2	3,540.55	2	3,181.44	2	2,817.02
1/4		1/4		1/4		1/4	4,560.00	1/4	4,306.66	1/4	4,053.32	1/4	3,799.97	1/4	3,533.98	1/4	3,173.85	1/4	2,809.43
1/2		1/2		1/2		1/2	4,554.72	1/2	4,301.38	1/2	4,048.04	1/2	3,794.69	1/2	3,527.06	1/2	3,166.26	1/2	2,801.84
3/4		3/4		3/4		3/4	4,549.45	3/4	4,296.11	3/4	4,042.76	3/4	3,789.41	3/4	3,520.13	3/4	3,158.66	3/4	2,794.24
3		3		3		3	4,544.17	3	4,290.83	3	4,037.48	3	3,784.14	3	3,513.21	3	3,151.07	3	2,786.65
1/4		1/4		1/4		1/4	4,538.89	1/4	4,285.55	1/4	4,032.20	1/4	3,778.86	1/4	3,506.29	1/4	3,143.48	1/4	2,779.06
1/2		1/2		1/2		1/2	4,533.61	1/2	4,280.27	1/2	4,026.92	1/2	3,773.58	1/2	3,499.02	1/2	3,135.89	1/2	2,771.47
3/4		3/4		3/4		3/4	4,710.38	3/4	4,528.34	3/4	4,275.00	3/4	4,021.64	3/4	3,768.30	3/4	3,491.75	3/4	3,128.29
4		4		4		4	4,710.09	4	4,523.06	4	4,269.72	4	4,016.37	4	3,763.03	4	3,484.49	4	3,120.70
1/4		1/4		1/4		1/4	4,709.80	1/4	4,517.78	1/4	4,264.44	1/4	4,011.09	1/4	3,757.75	1/4	3,477.22	1/4	3,113.11
1/2		1/2		1/2		1/2	4,709.00	1/2	4,512.50	1/2	4,259.16	1/2	4,005.81	1/2	3,752.47	1/2	3,469.70	1/2	3,105.52
3/4		3/4		3/4		3/4	4,708.20	3/4	4,507.23	3/4	4,253.88	3/4	4,000.53	3/4	3,747.19	3/4	3,462.19	3/4	3,097.92
5		5		5		5	4,707.39	5	4,501.95	5	4,248.60	5	3,995.26	5	3,741.92	5	3,454.67	5	3,090.33
1/4		1/4		1/4		1/4	4,706.59	1/4	4,496.67	1/4	4,243.32	1/4	3,989.98	1/4	3,736.64	1/4	3,447.16	1/4	3,082.74
1/2		1/2		1/2		1/2	4,705.03	1/2	4,491.39	1/2	4,238.04	1/2	3,984.70	1/2	3,731.36	1/2	3,439.57	1/2	3,075.15
3/4		3/4		3/4		3/4	4,703.47	3/4	4,486.12	3/4	4,232.77	3/4	3,979.42	3/4	3,726.08	3/4	3,431.97	3/4	3,067.56
6		6		6		6	4,701.90	6	4,480.84	6	4,227.49	6	3,974.15	6	3,720.80	6	3,424.38	6	3,059.97
1/4		1/4		1/4		1/4	4,700.34	1/4	4,475.56	1/4	4,222.21	1/4	3,968.87	1/4	3,715.52	1/4	3,416.79	1/4	3,052.38
1/2		1/2		1/2		1/2	4,698.00	1/2	4,470.28	1/2	4,216.93	1/2	3,963.59	1/2	3,710.24	1/2	3,409.20	1/2	3,044.79
3/4		3/4		3/4		3/4	4,695.65	3/4	4,465.00	3/4	4,211.66	3/4	3,958.31	3/4	3,704.96	3/4	3,401.60	3/4	3,037.19
7		7		7		7	4,693.31	7	4,459.72	7	4,206.38	7	3,953.04	7	3,699.69	7	3,394.01	7	3,029.60
1/4		1/4		1/4		1/4	4,690.96	1/4	4,454.44	1/4	4,201.10	1/4	3,947.76	1/4	3,694.41	1/4	3,386.42	1/4	3,022.01
1/2		1/2		1/2		1/2	4,687.84	1/2	4,449.16	1/2	4,195.82	1/2	3,942.48	1/2	3,689.13	1/2	3,378.83	1/2	3,014.42
3/4		3/4		3/4		3/4	4,684.71	3/4	4,443.89	3/4	4,190.55	3/4	3,937.20	3/4	3,683.85	3/4	3,371.24	3/4	3,006.82
8		8		8		8	4,681.59	8	4,438.61	8	4,185.27	8	3,931.92	8	3,678.58	8	3,363.65	8	2,999.23
1/4		1/4		1/4		1/4	4,678.46	1/4	4,433.33	1/4	4,179.99	1/4	3,926.64	1/4	3,673.30	1/4	3,356.06	1/4	2,991.64
1/2		1/2		1/2		1/2	4,674.55	1/2	4,428.05	1/2	4,174.71	1/2	3,921.36	1/2	3,668.02	1/2	3,348.47	1/2	2,984.05
3/4		3/4		3/4		3/4	4,670.64	3/4	4,422.78	3/4	4,169.43	3/4	3,916.08	3/4	3,662.74	3/4	3,340.87	3/4	2,976.45
9		9		9		9	4,666.73	9	4,417.50	9	4,164.16	9	3,910.81	9	3,657.47	9	3,333.28	9	2,968.86
1/4		1/4		1/4		1/4	4,662.82	1/4	4,412.22	1/4	4,158.88	1/4	3,905.53	1/4	3,652.19	1/4	3,325.69	1/4	2,961.27
1/2		1/2		1/2		1/2	4,658.13	1/2	4,406.94	1/2	4,153.60	1/2	3,900.25	1/2	3,646.88	1/2	3,318.10	1/2	2,953.68
3/4		3/4		3/4		3/4	4,653.44	3/4	4,401.67	3/4	4,148.32	3/4	3,894.97	3/4	3,641.57	3/4	3,310.50	3/4	2,946.08
10		10		10		10	4,648.75	10	4,396.39	10	4,143.04	10	3,889.70	10	3,636.26	10	3,302.91	10	2,938.49
1/4		1/4		1/4		1/4	4,644.06	1/4	4,391.11	1/4	4,137.76	1/4	3,884.42	1/4	3,630.95	1/4	3,295.32	1/4	2,930.90
1/2		1/2		1/2		1/2	4,638.88	1/2	4,385.83	1/2	4,132.48	1/2	3,879.14	1/2	3,625.39	1/2	3,287.73	1/2	2,923.31
3/4		3/4		3/4		3/4	4,633.70	3/4	4,380.56	3/4	4,127.21	3/4	3,873.86	3/4	3,619.83	3/4	3,280.13	3/4	2,915.72
11		11		11		11	4,628.52	11	4,375.28	11	4,121.93	11	3,868.59	11	3,614.28	11	3,272.54	11	2,908.13
1/4		1/4		1/4		1/4	4,623.34	1/4	4,370.00	1/4	4,116.65	1/4	3,863.31	1/4	3,608.72	1/4	3,264.95	1/4	2,900.54
1/2		1/2		1/2		1/2	4,618.06	1/2	4,364.72	1/2	4,111.37	1/2	3,858.03	1/2	3,602.83	1/2	3,257.36	1/2	2,892.95
3/4		3/4		3/4		3/4	4,612.79	3/4	4,359.44	3/4	4,106.09	3/4	3,852.75	3/4	3,596.95	3/4	3,249.76	3/4	2,885.35

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 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 TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MMI 3038"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

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	2,513.34	0	2,148.93	0	1,784.51	0	1,420.09	0	1,055.68	0	692.28	0	327.44	0		0		0	
1/4	2,505.75	1/4	2,141.34	1/4	1,776.92	1/4	1,412.50	1/4	1,048.09	1/4	684.71	1/4	319.84	1/4		1/4		1/4	
1/2	2,498.16	1/2	2,133.75	1/2	1,769.33	1/2	1,404.91	1/2	1,040.51	1/2	677.11	1/2	312.24	1/2		1/2		1/2	
3/4	2,490.56	3/4	2,126.15	3/4	1,761.73	3/4	1,397.32	3/4	1,032.94	3/4	669.52	3/4	304.63	3/4		3/4		3/4	
1	2,482.97	1	2,118.56	1	1,754.14	1	1,389.73	1	1,025.36	1	661.92	1	297.03	1		1		1	
1/4	2,475.38	1/4	2,110.97	1/4	1,746.55	1/4	1,382.14	1/4	1,017.79	1/4	654.33	1/4	289.43	1/4		1/4		1/4	
1/2	2,467.79	1/2	2,103.38	1/2	1,738.96	1/2	1,374.55	1/2	1,010.22	1/2	646.73	1/2	281.83	1/2		1/2		1/2	
3/4	2,460.20	3/4	2,095.78	3/4	1,731.36	3/4	1,366.95	3/4	1,002.65	3/4	639.12	3/4	274.23	3/4		3/4		3/4	
2	2,452.61	2	2,088.19	2	1,723.77	2	1,359.36	2	995.08	2	631.52	2	266.63	2		2		2	
1/4	2,445.02	1/4	2,080.60	1/4	1,716.18	1/4	1,351.77	1/4	987.51	1/4	623.92	1/4	259.03	1/4		1/4		1/4	
1/2	2,437.43	1/2	2,073.01	1/2	1,708.59	1/2	1,344.18	1/2	979.94	1/2	616.32	1/2	251.43	1/2		1/2		1/2	
3/4	2,429.83	3/4	2,065.41	3/4	1,701.00	3/4	1,336.58	3/4	972.37	3/4	608.71	3/4	243.82	3/4		3/4		3/4	
3	2,422.24	3	2,057.82	3	1,693.41	3	1,328.99	3	964.80	3	601.11	3	236.22	3		3		3	
1/4	2,414.65	1/4	2,050.23	1/4	1,685.82	1/4	1,321.40	1/4	957.23	1/4	593.51	1/4	228.62	1/4		1/4		1/4	
1/2	2,407.06	1/2	2,042.64	1/2	1,678.23	1/2	1,313.81	1/2	949.66	1/2	585.91	1/2	221.02	1/2		1/2		1/2	
3/4	2,399.46	3/4	2,035.04	3/4	1,670.63	3/4	1,306.21	3/4	942.09	3/4	578.31	3/4	213.41	3/4		3/4		3/4	
4	2,391.87	4	2,027.45	4	1,663.04	4	1,298.62	4	934.52	4	570.71	4	205.81	4		4		4	
1/4	2,384.28	1/4	2,019.86	1/4	1,655.45	1/4	1,291.03	1/4	926.95	1/4	563.11	1/4	198.21	1/4		1/4		1/4	
1/2	2,376.69	1/2	2,012.27	1/2	1,647.86	1/2	1,283.44	1/2	919.38	1/2	555.51	1/2	190.61	1/2		1/2		1/2	
3/4	2,369.09	3/4	2,004.68	3/4	1,640.26	3/4	1,275.84	3/4	911.81	3/4	547.90	3/4	183.00	3/4		3/4		3/4	
5	2,361.50	5	1,997.09	5	1,632.67	5	1,268.25	5	904.24	5	540.30	5	175.40	5		5		5	
1/4	2,353.91	1/4	1,989.50	1/4	1,625.08	1/4	1,260.66	1/4	896.67	1/4	532.70	1/4	167.80	1/4		1/4		1/4	
1/2	2,346.32	1/2	1,981.91	1/2	1,617.49	1/2	1,253.07	1/2	889.10	1/2	525.10	1/2	160.20	1/2		1/2		1/2	
3/4	2,338.72	3/4	1,974.31	3/4	1,609.89	3/4	1,245.48	3/4	881.53	3/4	517.49	3/4	152.59	3/4		3/4		3/4	
6	2,331.13	6	1,966.72	6	1,602.30	6	1,237.89	6	873.96	6	509.89	6	144.99	6		6		6	
1/4	2,323.54	1/4	1,959.13	1/4	1,594.71	1/4	1,230.30	1/4	866.39	1/4	502.29	1/4	137.39	1/4		1/4		1/4	
1/2	2,315.95	1/2	1,951.54	1/2	1,587.12	1/2	1,222.71	1/2	858.82	1/2	494.69	1/2	129.79	1/2		1/2		1/2	
3/4	2,308.36	3/4	1,943.94	3/4	1,579.52	3/4	1,215.11	3/4	851.25	3/4	487.08	3/4	122.19	3/4		3/4		3/4	
7	2,300.77	7	1,936.35	7	1,571.93	7	1,207.52	7	843.68	7	479.48	7	114.59	7		7		7	
1/4	2,293.18	1/4	1,928.76	1/4	1,564.34	1/4	1,199.93	1/4	836.11	1/4	471.88	1/4	106.99	1/4		1/4		1/4	
1/2	2,285.59	1/2	1,921.17	1/2	1,556.75	1/2	1,192.34	1/2	828.54	1/2	464.28	1/2	99.39	1/2		1/2		1/2	
3/4	2,277.99	3/4	1,913.57	3/4	1,549.16	3/4	1,184.74	3/4	820.97	3/4	456.67	3/4	91.78	3/4		3/4		3/4	
8	2,270.40	8	1,905.98	8	1,541.57	8	1,177.15	8	813.40	8	449.07	8	84.18	8		8		8	
1/4	2,262.81	1/4	1,898.39	1/4	1,533.98	1/4	1,169.56	1/4	805.83	1/4	441.47	1/4	76.58	1/4		1/4		1/4	
1/2	2,255.22	1/2	1,890.80	1/2	1,526.39	1/2	1,161.97	1/2	798.26	1/2	433.87	1/2	69.11	1/2		1/2		1/2	
3/4	2,247.62	3/4	1,883.20	3/4	1,518.79	3/4	1,154.37	3/4	790.69	3/4	426.27	3/4	61.64	3/4		3/4		3/4	
9	2,240.03	9	1,875.61	9	1,511.20	9	1,146.78	9	783.12	9	418.67	9	54.18	9		9		9	
1/4	2,232.44	1/4	1,868.02	1/4	1,503.61	1/4	1,139.19	1/4	775.55	1/4	411.07	1/4	46.71	1/4		1/4		1/4	
1/2	2,224.85	1/2	1,860.43	1/2	1,496.02	1/2	1,131.60	1/2	767.98	1/2	403.47	1/2	40.87	1/2		1/2		1/2	
3/4	2,217.25	3/4	1,852.84	3/4	1,488.42	3/4	1,124.00	3/4	760.41	3/4	395.86	3/4	35.04	3/4		3/4		3/4	
10	2,209.66	10	1,845.25	10	1,480.83	10	1,116.41	10	752.84	10	388.26	10	29.20	10		10		10	
1/4	2,202.07	1/4	1,837.66	1/4	1,473.24	1/4	1,108.82	1/4	745.27	1/4	380.66	1/4	23.37	1/4		1/4		1/4	
1/2	2,194.48	1/2	1,830.07	1/2	1,465.65	1/2	1,101.23	1/2	737.70	1/2	373.06	1/2		1/2		1/2		1/2	
3/4	2,186.88	3/4	1,822.47	3/4	1,458.05	3/4	1,093.64	3/4	730.13	3/4	365.45	3/4		3/4		3/4		3/4	
11	2,179.29	11	1,814.88	11	1,450.46	11	1,086.05	11	722.56	11	357.85	11		11		11		11	
1/4	2,171.70	1/4	1,807.29	1/4	1,442.87	1/4	1,078.46	1/4	714.99	1/4	350.25	1/4		1/4		1/4		1/4	
1/2	2,164.11	1/2	1,799.70	1/2	1,435.28	1/2	1,070.87	1/2	707.42	1/2	342.65	1/2		1/2		1/2		1/2	
3/4	2,156.52	3/4	1,792.10	3/4	1,427.68	3/4	1,063.27	3/4	699.85	3/4	335.04	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2003 INSP.
RECALCULATED: 10/25/2018
VERIFIED: 12/01/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MMI 3038"

FWD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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.
0	0	0	454	0	908	0	1,361	0	1,815	0		0		0		0		0	
1/4	9	1/4	463	1/4	917	1/4	1,371	1/4	1,825	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	473	1/2	927	1/2	1,380	1/2	1,834	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	482	3/4	936	3/4	1,390	3/4	1,844	3/4		3/4		3/4		3/4		3/4	
1	38	1	492	1	945	1	1,399	1	1,853	1		1		1		1		1	
1/4	47	1/4	501	1/4	955	1/4	1,409	1/4	1,863	1/4		1/4		1/4		1/4		1/4	
1/2	57	1/2	511	1/2	964	1/2	1,418	1/2	1,872	1/2		1/2		1/2		1/2		1/2	
3/4	66	3/4	520	3/4	974	3/4	1,428	3/4	1,881	3/4		3/4		3/4		3/4		3/4	
2	76	2	529	2	983	2	1,437	2	1,891	2		2		2		2		2	
1/4	85	1/4	539	1/4	993	1/4	1,447	1/4	1,900	1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	548	1/2	1,002	1/2	1,456	1/2	1,910	1/2		1/2		1/2		1/2		1/2	
3/4	104	3/4	558	3/4	1,012	3/4	1,465	3/4	1,919	3/4		3/4		3/4		3/4		3/4	
3	113	3	567	3	1,021	3	1,475	3	1,929	3		3		3		3		3	
1/4	123	1/4	577	1/4	1,031	1/4	1,484	1/4	1,938	1/4		1/4		1/4		1/4		1/4	
1/2	132	1/2	586	1/2	1,040	1/2	1,494	1/2	1,948	1/2		1/2		1/2		1/2		1/2	
3/4	142	3/4	596	3/4	1,049	3/4	1,503	3/4	1,957	3/4		3/4		3/4		3/4		3/4	
4	151	4	605	4	1,059	4	1,513	4	1,967	4		4		4		4		4	
1/4	161	1/4	615	1/4	1,068	1/4	1,522	1/4	1,976	1/4		1/4		1/4		1/4		1/4	
1/2	170	1/2	624	1/2	1,078	1/2	1,532	1/2	1,985	1/2		1/2		1/2		1/2		1/2	
3/4	180	3/4	633	3/4	1,087	3/4	1,541	3/4	1,995	3/4		3/4		3/4		3/4		3/4	
5	189	5	643	5	1,097	5	1,551	5	2,004	5		5		5		5		5	
1/4	199	1/4	652	1/4	1,106	1/4	1,560	1/4	2,014	1/4		1/4		1/4		1/4		1/4	
1/2	208	1/2	662	1/2	1,116	1/2	1,569	1/2	2,023	1/2		1/2		1/2		1/2		1/2	
3/4	217	3/4	671	3/4	1,125	3/4	1,579	3/4	2,033	3/4		3/4		3/4		3/4		3/4	
6	227	6	681	6	1,135	6	1,588	6	2,042	6		6		6		6		6	
1/4	236	1/4	690	1/4	1,144	1/4	1,598	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	246	1/2	700	1/2	1,153	1/2	1,607	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	255	3/4	709	3/4	1,163	3/4	1,617	3/4		3/4		3/4		3/4		3/4		3/4	
7	265	7	719	7	1,172	7	1,626	7		7		7		7		7		7	
1/4	274	1/4	728	1/4	1,182	1/4	1,636	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	284	1/2	737	1/2	1,191	1/2	1,645	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	293	3/4	747	3/4	1,201	3/4	1,655	3/4		3/4		3/4		3/4		3/4		3/4	
8	303	8	756	8	1,210	8	1,664	8		8		8		8		8		8	
1/4	312	1/4	766	1/4	1,220	1/4	1,673	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	321	1/2	775	1/2	1,229	1/2	1,683	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	331	3/4	785	3/4	1,239	3/4	1,692	3/4		3/4		3/4		3/4		3/4		3/4	
9	340	9	794	9	1,248	9	1,702	9		9		9		9		9		9	
1/4	350	1/4	804	1/4	1,257	1/4	1,711	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	359	1/2	813	1/2	1,267	1/2	1,721	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	369	3/4	823	3/4	1,276	3/4	1,730	3/4		3/4		3/4		3/4		3/4		3/4	
10	378	10	832	10	1,286	10	1,740	10		10		10		10		10		10	
1/4	388	1/4	841	1/4	1,295	1/4	1,749	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	397	1/2	851	1/2	1,305	1/2	1,759	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	407	3/4	860	3/4	1,314	3/4	1,768	3/4		3/4		3/4		3/4		3/4		3/4	
11	416	11	870	11	1,324	11	1,777	11		11		11		11		11		11	
1/4	425	1/4	879	1/4	1,333	1/4	1,787	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	435	1/2	889	1/2	1,343	1/2	1,796	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	444	3/4	898	3/4	1,352	3/4	1,806	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

STRAPPED: 12/01/2023 JS
CALCULATED: 12/04/2023 CL
PRINTED: 12/04/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MMI 3038"

AFT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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.
0	0	0	454	0	908	0	1,361	0	1,815	0		0		0		0		0	
1/4	9	1/4	463	1/4	917	1/4	1,371	1/4	1,825	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	473	1/2	927	1/2	1,380	1/2	1,834	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	482	3/4	936	3/4	1,390	3/4	1,844	3/4		3/4		3/4		3/4		3/4	
1	38	1	492	1	945	1	1,399	1	1,853	1		1		1		1		1	
1/4	47	1/4	501	1/4	955	1/4	1,409	1/4	1,863	1/4		1/4		1/4		1/4		1/4	
1/2	57	1/2	511	1/2	964	1/2	1,418	1/2	1,872	1/2		1/2		1/2		1/2		1/2	
3/4	66	3/4	520	3/4	974	3/4	1,428	3/4	1,881	3/4		3/4		3/4		3/4		3/4	
2	76	2	529	2	983	2	1,437	2	1,891	2		2		2		2		2	
1/4	85	1/4	539	1/4	993	1/4	1,447	1/4	1,900	1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	548	1/2	1,002	1/2	1,456	1/2	1,910	1/2		1/2		1/2		1/2		1/2	
3/4	104	3/4	558	3/4	1,012	3/4	1,465	3/4	1,919	3/4		3/4		3/4		3/4		3/4	
3	113	3	567	3	1,021	3	1,475	3	1,929	3		3		3		3		3	
1/4	123	1/4	577	1/4	1,031	1/4	1,484	1/4	1,938	1/4		1/4		1/4		1/4		1/4	
1/2	132	1/2	586	1/2	1,040	1/2	1,494	1/2	1,948	1/2		1/2		1/2		1/2		1/2	
3/4	142	3/4	596	3/4	1,049	3/4	1,503	3/4	1,957	3/4		3/4		3/4		3/4		3/4	
4	151	4	605	4	1,059	4	1,513	4	1,967	4		4		4		4		4	
1/4	161	1/4	615	1/4	1,068	1/4	1,522	1/4	1,976	1/4		1/4		1/4		1/4		1/4	
1/2	170	1/2	624	1/2	1,078	1/2	1,532	1/2	1,985	1/2		1/2		1/2		1/2		1/2	
3/4	180	3/4	633	3/4	1,087	3/4	1,541	3/4	1,995	3/4		3/4		3/4		3/4		3/4	
5	189	5	643	5	1,097	5	1,551	5	2,004	5		5		5		5		5	
1/4	199	1/4	652	1/4	1,106	1/4	1,560	1/4	2,014	1/4		1/4		1/4		1/4		1/4	
1/2	208	1/2	662	1/2	1,116	1/2	1,569	1/2	2,023	1/2		1/2		1/2		1/2		1/2	
3/4	217	3/4	671	3/4	1,125	3/4	1,579	3/4	2,033	3/4		3/4		3/4		3/4		3/4	
6	227	6	681	6	1,135	6	1,588	6	2,042	6		6		6		6		6	
1/4	236	1/4	690	1/4	1,144	1/4	1,598	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	246	1/2	700	1/2	1,153	1/2	1,607	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	255	3/4	709	3/4	1,163	3/4	1,617	3/4		3/4		3/4		3/4		3/4		3/4	
7	265	7	719	7	1,172	7	1,626	7		7		7		7		7		7	
1/4	274	1/4	728	1/4	1,182	1/4	1,636	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	284	1/2	737	1/2	1,191	1/2	1,645	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	293	3/4	747	3/4	1,201	3/4	1,655	3/4		3/4		3/4		3/4		3/4		3/4	
8	303	8	756	8	1,210	8	1,664	8		8		8		8		8		8	
1/4	312	1/4	766	1/4	1,220	1/4	1,673	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	321	1/2	775	1/2	1,229	1/2	1,683	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	331	3/4	785	3/4	1,239	3/4	1,692	3/4		3/4		3/4		3/4		3/4		3/4	
9	340	9	794	9	1,248	9	1,702	9		9		9		9		9		9	
1/4	350	1/4	804	1/4	1,257	1/4	1,711	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	359	1/2	813	1/2	1,267	1/2	1,721	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	369	3/4	823	3/4	1,276	3/4	1,730	3/4		3/4		3/4		3/4		3/4		3/4	
10	378	10	832	10	1,286	10	1,740	10		10		10		10		10		10	
1/4	388	1/4	841	1/4	1,295	1/4	1,749	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	397	1/2	851	1/2	1,305	1/2	1,759	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	407	3/4	860	3/4	1,314	3/4	1,768	3/4		3/4		3/4		3/4		3/4		3/4	
11	416	11	870	11	1,324	11	1,777	11		11		11		11		11		11	
1/4	425	1/4	879	1/4	1,333	1/4	1,787	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	435	1/2	889	1/2	1,343	1/2	1,796	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	444	3/4	898	3/4	1,352	3/4	1,806	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

STRAPPED: 12/01/2023 JS
 CALCULATED: 12/04/2023 CL
 PRINTED: 12/04/2023 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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