



BARGE "MMI 3047"

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

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

LENGTH BETWEEN DRAFT MARKS: 235'-03"

May 22, 2020

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MMI 3047"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-03 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	0	0	0	0	0	4,848.76	0	4,481.75	0	4,114.74	0	3,747.74	0	3,380.73	0	3,013.72
1/4		1/4		1/4		1/4		1/4	4,874.12	1/4	4,474.11	1/4	4,076.10	1/4	3,740.09	1/4	3,373.08	1/4	3,006.08
1/2		1/2		1/2		1/2		1/2	4,833.47	1/2	4,466.46	1/2	4,099.45	1/2	3,732.44	1/2	3,365.43	1/2	2,998.43
3/4		3/4		3/4		3/4		3/4	4,825.82	3/4	4,458.81	3/4	4,091.81	3/4	3,724.80	3/4	3,357.79	3/4	2,990.78
1	1	1	1	1	5,166.99	1	4,818.18	1	4,451.17	1	4,084.16	1	3,717.15	1	3,350.14	1	2,983.14		
1/4		1/4		1/4		1/4		1/4	5,162.75	1/4	4,443.52	1/4	4,076.52	1/4	3,709.51	1/4	3,342.50	1/4	2,975.49
1/2		1/2		1/2		1/2		1/2	5,157.38	1/2	4,435.87	1/2	4,068.87	1/2	3,701.86	1/2	3,334.85	1/2	2,967.84
3/4		3/4		3/4		3/4		3/4	5,152.00	3/4	4,428.23	3/4	4,061.22	3/4	3,694.21	3/4	3,327.21	3/4	2,960.20
2	2	2	2	2	5,146.63	2	4,787.59	2	4,420.58	2	4,053.58	2	3,686.57	2	3,319.56	2	2,952.55		
1/4		1/4		1/4		1/4		1/4	5,141.25	1/4	4,412.94	1/4	4,045.93	1/4	3,678.92	1/4	3,311.92	1/4	2,944.91
1/2		1/2		1/2		1/2		1/2	5,134.74	1/2	4,405.29	1/2	4,038.28	1/2	3,671.27	1/2	3,304.27	1/2	2,937.26
3/4		3/4		3/4		3/4		3/4	5,128.24	3/4	4,397.65	3/4	4,030.64	3/4	3,663.63	3/4	3,296.62	3/4	2,929.61
3	3	3	3	3	5,121.73	3	4,757.01	3	4,390.00	3	4,022.99	3	3,655.98	3	3,288.98	3	2,888.98	3	2,921.97
1/4		1/4		1/4		1/4		1/4	5,115.22	1/4	4,382.36	1/4	4,015.35	1/4	3,648.34	1/4	3,281.33	1/4	2,914.32
1/2		1/2		1/2		1/2		1/2	5,107.86	1/2	4,374.71	1/2	4,007.70	1/2	3,640.69	1/2	3,273.68	1/2	2,906.67
3/4		3/4		3/4		3/4		3/4	5,100.51	3/4	4,367.06	3/4	4,000.05	3/4	3,633.05	3/4	3,266.04	3/4	2,899.03
4	4	4	4	4	5,093.15	4	4,726.42	4	4,359.42	4	3,992.41	4	3,625.40	4	3,258.39	4	2,858.39	4	2,891.38
1/4		1/4		1/4		1/4		1/4	5,085.79	1/4	4,351.77	1/4	3,984.76	1/4	3,617.76	1/4	3,250.75	1/4	2,883.74
1/2		1/2		1/2		1/2		1/2	5,078.14	1/2	4,344.12	1/2	3,977.11	1/2	3,610.11	1/2	3,243.10	1/2	2,876.09
3/4		3/4		3/4		3/4		3/4	5,070.50	3/4	4,336.48	3/4	3,969.47	3/4	3,602.46	3/4	3,235.45	3/4	2,868.45
5	5	5	5	5	5,062.85	5	4,695.84	5	4,328.83	5	3,961.82	5	3,594.82	5	3,227.81	5	2,827.81	5	2,860.80
1/4		1/4		1/4		1/4		1/4	5,055.20	1/4	4,688.20	1/4	3,954.18	1/4	3,587.17	1/4	3,220.16	1/4	2,853.16
1/2		1/2		1/2		1/2		1/2	5,047.56	1/2	4,680.55	1/2	3,946.53	1/2	3,579.52	1/2	3,212.51	1/2	2,845.51
3/4		3/4		3/4		3/4		3/4	5,039.91	3/4	4,672.90	3/4	3,938.89	3/4	3,571.88	3/4	3,204.87	3/4	2,837.86
6	6	6	6	6	5,032.27	6	4,665.26	6	4,298.25	6	3,931.24	6	3,564.23	6	3,197.22	6	2,819.22	6	2,830.22
1/4		1/4		1/4		1/4		1/4	5,024.62	1/4	4,657.61	1/4	3,923.60	1/4	3,556.59	1/4	3,189.58	1/4	2,822.57
1/2		1/2		1/2		1/2		1/2	5,016.98	1/2	4,649.96	1/2	3,915.95	1/2	3,548.94	1/2	3,181.93	1/2	2,814.92
3/4		3/4		3/4		3/4		3/4	5,009.33	3/4	4,642.32	3/4	3,908.30	3/4	3,541.29	3/4	3,174.29	3/4	2,807.28
7	7	7	7	7	5,001.69	7	4,634.67	7	4,267.66	7	3,900.66	7	3,533.65	7	3,166.64	7	2,799.63	7	2,799.63
1/4		1/4		1/4		1/4		1/4	4,994.04	1/4	4,627.03	1/4	3,893.01	1/4	3,526.00	1/4	3,159.00	1/4	2,791.99
1/2		1/2		1/2		1/2		1/2	4,986.39	1/2	4,619.38	1/2	3,885.36	1/2	3,518.35	1/2	3,151.35	1/2	2,784.34
3/4		3/4		3/4		3/4		3/4	4,978.75	3/4	4,611.73	3/4	3,877.72	3/4	3,510.71	3/4	3,143.70	3/4	2,776.69
8	8	8	8	8	4,971.10	8	4,604.09	8	4,237.08	8	3,870.07	8	3,503.06	8	3,136.06	8	2,769.05	8	2,769.05
1/4		1/4		1/4		1/4		1/4	4,963.45	1/4	4,596.44	1/4	3,862.43	1/4	3,495.42	1/4	3,128.41	1/4	2,761.40
1/2		1/2		1/2		1/2		1/2	4,955.81	1/2	4,588.79	1/2	3,854.78	1/2	3,487.77	1/2	3,120.76	1/2	2,753.75
3/4		3/4		3/4		3/4		3/4	4,948.16	3/4	4,581.15	3/4	3,847.13	3/4	3,480.13	3/4	3,113.12	3/4	2,746.11
9	9	9	9	9	4,940.52	9	4,573.50	9	4,206.50	9	3,839.49	9	3,472.48	9	3,105.47	9	2,738.46	9	2,738.46
1/4		1/4		1/4		1/4		1/4	4,932.87	1/4	4,565.86	1/4	3,831.84	1/4	3,464.84	1/4	3,097.83	1/4	2,730.82
1/2		1/2		1/2		1/2		1/2	4,925.22	1/2	4,558.21	1/2	3,824.19	1/2	3,457.19	1/2	3,090.19	1/2	2,723.17
3/4		3/4		3/4		3/4		3/4	4,917.58	3/4	4,550.57	3/4	3,816.55	3/4	3,449.54	3/4	3,082.55	3/4	2,715.53
10	10	10	10	10	4,909.93	10	4,542.92	10	4,175.91	10	3,808.90	10	3,441.90	10	3,074.91	10	2,707.88	10	2,707.88
1/4		1/4		1/4		1/4		1/4	4,902.28	1/4	4,535.28	1/4	3,801.26	1/4	3,434.25	1/4	3,067.27	1/4	2,700.24
1/2		1/2		1/2		1/2		1/2	4,894.63	1/2	4,527.63	1/2	3,793.61	1/2	3,426.60	1/2	3,059.62	1/2	2,692.59
3/4		3/4		3/4		3/4		3/4	4,886.99	3/4	4,519.98	3/4	3,785.97	3/4	3,418.96	3/4	3,051.96	3/4	2,684.94
11	11	11	11	11	4,879.34	11	4,512.34	11	4,145.33	11	3,778.32	11	3,411.31	11	3,044.31	11	2,677.30	11	2,677.30
1/4		1/4		1/4		1/4		1/4	4,871.70	1/4	4,504.69	1/4	3,770.68	1/4	3,403.67	1/4	3,036.66	1/4	2,669.65
1/2		1/2		1/2		1/2		1/2	4,864.05	1/2	4,497.04	1/2	3,763.03	1/2	3,396.02	1/2	3,029.01	1/2	2,662.00
3/4		3/4		3/4		3/4		3/4	4,856.41	3/4	4,489.40	3/4	3,755.38	3/4	3,388.37	3/4	3,021.37	3/4	2,654.36

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" GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-04" FORWARD OF AFT BULKHEAD

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BARGE "MMI 3047"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-03 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	2,646.71	0	2,279.70	0	1,912.70	0	1,545.69	0	1,178.68	0	811.67	0	445.46	0	105.66	0		0	
1/4	2,639.07	1/4	2,272.06	1/4	1,905.05	1/4	1,538.04	1/4	1,171.04	1/4	804.03	1/4	437.95	1/4	99.14	1/4		1/4	
1/2	2,631.42	1/2	2,264.41	1/2	1,897.40	1/2	1,530.39	1/2	1,163.39	1/2	796.38	1/2	430.50	1/2	92.68	1/2		1/2	
3/4	2,623.77	3/4	2,256.77	3/4	1,889.76	3/4	1,522.75	3/4	1,155.74	3/4	788.73	3/4	423.04	3/4	86.21	3/4		3/4	
1	2,616.13	1	2,249.12	1	1,882.11	1	1,515.10	1	1,148.10	1	781.09	1	415.59	1	79.75	1		1	
1/4	2,608.48	1/4	2,241.48	1/4	1,874.47	1/4	1,507.46	1/4	1,140.45	1/4	773.44	1/4	408.14	1/4	73.29	1/4		1/4	
1/2	2,600.83	1/2	2,233.83	1/2	1,866.82	1/2	1,499.81	1/2	1,132.80	1/2	765.79	1/2	400.75	1/2	66.89	1/2		1/2	
3/4	2,593.19	3/4	2,226.18	3/4	1,859.17	3/4	1,492.17	3/4	1,125.16	3/4	758.15	3/4	393.36	3/4	60.48	3/4		3/4	
2	2,585.54	2	2,218.54	2	1,851.53	2	1,484.52	2	1,117.51	2	750.50	2	385.97	2	54.08	2		2	
1/4	2,577.90	1/4	2,210.89	1/4	1,843.88	1/4	1,476.88	1/4	1,109.87	1/4	742.86	1/4	378.58	1/4	47.68	1/4		1/4	
1/2	2,570.25	1/2	2,203.24	1/2	1,836.23	1/2	1,469.23	1/2	1,102.22	1/2	735.21	1/2	371.25	1/2	42.42	1/2		1/2	
3/4	2,562.61	3/4	2,195.60	3/4	1,828.59	3/4	1,461.58	3/4	1,094.57	3/4	727.57	3/4	363.92	3/4	37.16	3/4		3/4	
3	2,554.96	3	2,187.95	3	1,820.94	3	1,453.94	3	1,086.93	3	719.92	3	356.60	3	31.90	3		3	
1/4	2,547.32	1/4	2,180.31	1/4	1,813.30	1/4	1,446.29	1/4	1,079.28	1/4	712.28	1/4	349.27	1/4	26.64	1/4		1/4	
1/2	2,539.67	1/2	2,172.66	1/2	1,805.65	1/2	1,438.64	1/2	1,071.63	1/2	704.63	1/2	342.00	1/2	22.83	1/2		1/2	
3/4	2,532.02	3/4	2,165.01	3/4	1,798.01	3/4	1,431.00	3/4	1,063.99	3/4	696.98	3/4	334.74	3/4		3/4		3/4	
4	2,524.38	4	2,157.37	4	1,790.36	4	1,423.35	4	1,056.34	4	689.34	4	327.47	4		4		4	
1/4	2,516.73	1/4	2,149.72	1/4	1,782.72	1/4	1,415.71	1/4	1,048.70	1/4	681.69	1/4	320.21	1/4		1/4		1/4	
1/2	2,509.08	1/2	2,142.07	1/2	1,775.07	1/2	1,408.06	1/2	1,041.05	1/2	674.04	1/2	313.00	1/2		1/2		1/2	
3/4	2,501.44	3/4	2,134.43	3/4	1,767.42	3/4	1,400.41	3/4	1,033.41	3/4	666.40	3/4	305.80	3/4		3/4		3/4	
5	2,493.79	5	2,126.78	5	1,759.78	5	1,392.77	5	1,025.76	5	658.75	5	298.59	5		5		5	
1/4	2,486.15	1/4	2,119.14	1/4	1,752.13	1/4	1,385.12	1/4	1,018.12	1/4	651.11	1/4	291.39	1/4		1/4		1/4	
1/2	2,478.50	1/2	2,111.49	1/2	1,744.48	1/2	1,377.47	1/2	1,010.47	1/2	643.46	1/2	284.25	1/2		1/2		1/2	
3/4	2,470.85	3/4	2,103.85	3/4	1,736.84	3/4	1,369.83	3/4	1,002.82	3/4	635.81	3/4	277.11	3/4		3/4		3/4	
6	2,463.21	6	2,096.20	6	1,729.19	6	1,362.18	6	995.18	6	628.17	6	269.97	6		6		6	
1/4	2,455.56	1/4	2,088.56	1/4	1,721.55	1/4	1,354.54	1/4	987.53	1/4	620.52	1/4	262.83	1/4		1/4		1/4	
1/2	2,447.91	1/2	2,080.91	1/2	1,713.91	1/2	1,346.89	1/2	979.88	1/2	612.87	1/2	255.75	1/2		1/2		1/2	
3/4	2,440.27	3/4	2,073.26	3/4	1,706.26	3/4	1,339.25	3/4	972.24	3/4	605.23	3/4	248.68	3/4		3/4		3/4	
7	2,432.62	7	2,065.62	7	1,697.96	7	1,331.60	7	964.59	7	597.58	7	241.60	7		7		7	
1/4	2,424.98	1/4	2,057.97	1/4	1,690.10	1/4	1,323.96	1/4	956.95	1/4	589.94	1/4	234.53	1/4		1/4		1/4	
1/2	2,417.33	1/2	2,050.32	1/2	1,682.67	1/2	1,316.31	1/2	949.30	1/2	582.29	1/2	227.51	1/2		1/2		1/2	
3/4	2,409.69	3/4	2,042.68	3/4	1,675.24	3/4	1,308.66	3/4	941.65	3/4	574.65	3/4	220.50	3/4		3/4		3/4	
8	2,402.04	8	2,035.03	8	1,667.81	8	1,301.02	8	934.01	8	567.00	8	213.48	8		8		8	
1/4	2,394.40	1/4	2,027.39	1/4	1,660.38	1/4	1,293.37	1/4	926.36	1/4	559.36	1/4	206.47	1/4		1/4		1/4	
1/2	2,386.75	1/2	2,019.74	1/2	1,652.73	1/2	1,285.72	1/2	918.71	1/2	551.71	1/2	199.52	1/2		1/2		1/2	
3/4	2,379.10	3/4	2,012.09	3/4	1,645.09	3/4	1,278.08	3/4	911.07	3/4	544.06	3/4	192.56	3/4		3/4		3/4	
9	2,371.46	9	2,004.45	9	1,637.44	9	1,270.43	9	903.42	9	536.42	9	185.61	9		9		9	
1/4	2,363.81	1/4	1,996.80	1/4	1,629.80	1/4	1,262.79	1/4	895.78	1/4	528.77	1/4	178.66	1/4		1/4		1/4	
1/2	2,356.16	1/2	1,989.15	1/2	1,622.15	1/2	1,255.14	1/2	888.13	1/2	521.16	1/2	171.89	1/2		1/2		1/2	
3/4	2,348.52	3/4	1,981.51	3/4	1,614.50	3/4	1,247.49	3/4	880.49	3/4	513.54	3/4	165.12	3/4		3/4		3/4	
10	2,340.87	10	1,973.86	10	1,606.86	10	1,239.85	10	872.84	10	505.93	10	158.36	10		10		10	
1/4	2,333.23	1/4	1,966.22	1/4	1,599.21	1/4	1,232.20	1/4	865.20	1/4	498.32	1/4	151.59	1/4		1/4		1/4	
1/2	2,325.58	1/2	1,958.57	1/2	1,591.56	1/2	1,224.55	1/2	857.55	1/2	490.74	1/2	145.00	1/2		1/2		1/2	
3/4	2,317.93	3/4	1,950.93	3/4	1,583.92	3/4	1,216.91	3/4	849.90	3/4	483.16	3/4	138.41	3/4		3/4		3/4	
11	2,310.29	11	1,943.28	11	1,576.27	11	1,209.26	11	842.26	11	475.59	11	131.83	11		11		11	
1/4	2,302.64	1/4	1,935.64	1/4	1,568.63	1/4	1,201.62	1/4	834.61	1/4	468.01	1/4	125.24	1/4		1/4		1/4	
1/2	2,294.99	1/2	1,927.99	1/2	1,560.98	1/2	1,193.97	1/2	826.96	1/2	460.49	1/2	118.71	1/2		1/2		1/2	
3/4	2,287.35	3/4	1,920.34	3/4	1,553.33	3/4	1,186.33	3/4	819.32	3/4	452.98	3/4	112.19	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/08/2005 INS
RECALCULATED: 05/22/2020 CL
REPRINTED: 05/22/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

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



BARGE "MMI 3047"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-03 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	0	0	0	0	0	4,848.76	0	4,481.75	0	4,114.74	0	3,747.74	0	3,380.73	0	3,013.72
1/4		1/4		1/4		1/4		1/4	4,874.12	1/4	4,474.11	1/4	4,076.10	1/4	3,740.09	1/4	3,373.08	1/4	3,006.08
1/2		1/2		1/2		1/2		1/2	4,833.47	1/2	4,466.46	1/2	4,099.45	1/2	3,732.44	1/2	3,365.43	1/2	2,998.43
3/4		3/4		3/4		3/4		3/4	4,825.82	3/4	4,458.81	3/4	4,091.81	3/4	3,724.80	3/4	3,357.79	3/4	2,990.78
1	1	1	1	1	5,166.99	1	4,818.18	1	4,451.17	1	4,084.16	1	3,717.15	1	3,350.14	1	2,983.14		
1/4		1/4		1/4		1/4		1/4	5,162.75	1/4	4,810.53	1/4	4,443.52	1/4	4,076.52	1/4	3,709.51	1/4	3,342.50
1/2		1/2		1/2		1/2		1/2	5,157.38	1/2	4,802.88	1/2	4,435.87	1/2	4,068.87	1/2	3,701.86	1/2	3,334.85
3/4		3/4		3/4		3/4		3/4	5,152.00	3/4	4,795.24	3/4	4,428.23	3/4	4,061.22	3/4	3,694.21	3/4	3,327.21
2	2	2	2	2	5,146.63	2	4,787.59	2	4,420.58	2	4,053.58	2	3,686.57	2	3,319.56	2	2,952.55		
1/4		1/4		1/4		1/4		1/4	5,141.25	1/4	4,779.95	1/4	4,412.94	1/4	4,045.93	1/4	3,678.92	1/4	3,311.92
1/2		1/2		1/2		1/2		1/2	5,134.74	1/2	4,772.30	1/2	4,405.29	1/2	4,038.28	1/2	3,671.27	1/2	3,304.27
3/4		3/4		3/4		3/4		3/4	5,128.24	3/4	4,764.65	3/4	4,397.65	3/4	4,030.64	3/4	3,663.63	3/4	3,296.62
3	3	3	3	3	5,121.73	3	4,757.01	3	4,390.00	3	4,022.99	3	3,655.98	3	3,288.98	3	2,921.97		
1/4		1/4		1/4		1/4		1/4	5,115.22	1/4	4,749.36	1/4	4,382.36	1/4	4,015.35	1/4	3,648.34	1/4	3,311.33
1/2		1/2		1/2		1/2		1/2	5,107.86	1/2	4,741.71	1/2	4,374.71	1/2	4,007.70	1/2	3,640.69	1/2	3,273.68
3/4		3/4		3/4		3/4		3/4	5,100.51	3/4	4,734.07	3/4	4,367.06	3/4	4,000.05	3/4	3,633.05	3/4	3,266.04
4	4	4	4	4	5,093.15	4	4,726.42	4	4,359.42	4	3,992.41	4	3,625.40	4	3,258.39	4	2,891.38		
1/4		1/4		1/4		1/4		1/4	5,085.79	1/4	4,718.78	1/4	4,351.77	1/4	3,984.76	1/4	3,617.76	1/4	3,250.75
1/2		1/2		1/2		1/2		1/2	5,078.14	1/2	4,711.13	1/2	4,344.12	1/2	3,977.11	1/2	3,610.11	1/2	3,243.10
3/4		3/4		3/4		3/4		3/4	5,070.50	3/4	4,703.49	3/4	4,336.48	3/4	3,969.47	3/4	3,602.46	3/4	3,235.45
5	5	5	5	5	5,062.85	5	4,695.84	5	4,328.83	5	3,961.82	5	3,594.82	5	3,227.81	5	2,860.40		
1/4		1/4		1/4		1/4		1/4	5,055.20	1/4	4,688.20	1/4	4,321.19	1/4	3,954.18	1/4	3,587.17	1/4	3,220.16
1/2		1/2		1/2		1/2		1/2	5,047.56	1/2	4,680.55	1/2	4,313.54	1/2	3,946.53	1/2	3,579.52	1/2	3,212.51
3/4		3/4		3/4		3/4		3/4	5,039.91	3/4	4,672.90	3/4	4,305.89	3/4	3,938.89	3/4	3,571.88	3/4	3,204.87
6	6	6	6	6	5,032.27	6	4,665.26	6	4,298.25	6	3,931.24	6	3,564.23	6	3,197.22	6	2,830.22		
1/4		1/4		1/4		1/4		1/4	5,024.62	1/4	4,657.61	1/4	4,290.60	1/4	3,923.60	1/4	3,556.59	1/4	3,189.58
1/2		1/2		1/2		1/2		1/2	5,016.98	1/2	4,649.96	1/2	4,282.95	1/2	3,915.95	1/2	3,548.94	1/2	3,181.93
3/4		3/4		3/4		3/4		3/4	5,009.33	3/4	4,642.32	3/4	4,275.31	3/4	3,908.30	3/4	3,541.29	3/4	3,174.29
7	7	7	7	7	5,001.69	7	4,634.67	7	4,267.66	7	3,900.66	7	3,533.65	7	3,166.64	7	2,799.63		
1/4		1/4		1/4		1/4		1/4	4,994.04	1/4	4,627.03	1/4	4,260.02	1/4	3,893.01	1/4	3,526.00	1/4	3,159.00
1/2		1/2		1/2		1/2		1/2	4,986.39	1/2	4,619.38	1/2	4,252.37	1/2	3,885.36	1/2	3,518.35	1/2	3,151.35
3/4		3/4		3/4		3/4		3/4	4,978.75	3/4	4,611.73	3/4	4,244.73	3/4	3,877.72	3/4	3,510.71	3/4	3,143.70
8	8	8	8	8	4,971.10	8	4,604.09	8	4,237.08	8	3,870.07	8	3,503.06	8	3,136.06	8	2,769.05		
1/4		1/4		1/4		1/4		1/4	4,963.45	1/4	4,596.44	1/4	4,229.44	1/4	3,862.43	1/4	3,495.42	1/4	3,128.41
1/2		1/2		1/2		1/2		1/2	4,955.81	1/2	4,588.79	1/2	4,221.79	1/2	3,854.78	1/2	3,487.77	1/2	3,120.76
3/4		3/4		3/4		3/4		3/4	4,948.16	3/4	4,581.15	3/4	4,214.14	3/4	3,847.13	3/4	3,480.13	3/4	3,113.12
9	9	9	9	9	4,940.52	9	4,573.50	9	4,206.50	9	3,839.49	9	3,472.48	9	3,105.47	9	2,738.46		
1/4		1/4		1/4		1/4		1/4	4,932.87	1/4	4,565.86	1/4	4,198.85	1/4	3,831.84	1/4	3,464.84	1/4	3,097.83
1/2		1/2		1/2		1/2		1/2	4,925.22	1/2	4,558.21	1/2	4,191.20	1/2	3,824.19	1/2	3,457.19	1/2	3,090.19
3/4		3/4		3/4		3/4		3/4	4,917.58	3/4	4,550.57	3/4	4,183.56	3/4	3,816.55	3/4	3,449.54	3/4	3,082.55
10	10	10	10	10	4,909.93	10	4,542.92	10	4,175.91	10	3,808.90	10	3,441.90	10	3,074.91	10	2,707.88		
1/4		1/4		1/4		1/4		1/4	4,902.28	1/4	4,535.28	1/4	4,168.27	1/4	3,801.26	1/4	3,434.25	1/4	3,067.27
1/2		1/2		1/2		1/2		1/2	4,894.63	1/2	4,527.63	1/2	4,160.62	1/2	3,793.61	1/2	3,426.60	1/2	3,059.62
3/4		3/4		3/4		3/4		3/4	4,886.99	3/4	4,519.98	3/4	4,152.97	3/4	3,785.97	3/4	3,418.96	3/4	3,051.96
11	11	11	11	11	4,879.34	11	4,512.34	11	4,145.33	11	3,778.32	11	3,411.31	11	3,044.31	11	2,677.30		
1/4		1/4		1/4		1/4		1/4	4,871.70	1/4	4,504.69	1/4	4,137.68	1/4	3,770.68	1/4	3,403.67	1/4	3,036.66
1/2		1/2		1/2		1/2		1/2	4,864.05	1/2	4,497.04	1/2	4,130.03	1/2	3,763.03	1/2	3,396.02	1/2	3,029.01
3/4		3/4		3/4		3/4		3/4	4,856.41	3/4	4,489.40	3/4	4,122.39	3/4	3,755.38	3/4	3,388.37	3/4	3,021.37

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" GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-04" FORWARD OF AFT BULKHEAD

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



BARGE "MMI 3047"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-03 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	2,646.71	0	2,279.70	0	1,912.70	0	1,545.69	0	1,178.68	0	811.67	0	445.46	0	105.66	0		0	
1/4	2,639.07	1/4	2,272.06	1/4	1,905.05	1/4	1,538.04	1/4	1,171.04	1/4	804.03	1/4	437.95	1/4	99.14	1/4		1/4	
1/2	2,631.42	1/2	2,264.41	1/2	1,897.40	1/2	1,530.39	1/2	1,163.39	1/2	796.38	1/2	430.50	1/2	92.68	1/2		1/2	
3/4	2,623.77	3/4	2,256.77	3/4	1,889.76	3/4	1,522.75	3/4	1,155.74	3/4	788.73	3/4	423.04	3/4	86.21	3/4		3/4	
1	2,616.13	1	2,249.12	1	1,882.11	1	1,515.10	1	1,148.10	1	781.09	1	415.59	1	79.75	1		1	
1/4	2,608.48	1/4	2,241.48	1/4	1,874.47	1/4	1,507.46	1/4	1,140.45	1/4	773.44	1/4	408.14	1/4	73.29	1/4		1/4	
1/2	2,600.83	1/2	2,233.83	1/2	1,866.82	1/2	1,499.81	1/2	1,132.80	1/2	765.79	1/2	400.75	1/2	66.89	1/2		1/2	
3/4	2,593.19	3/4	2,226.18	3/4	1,859.17	3/4	1,492.17	3/4	1,125.16	3/4	758.15	3/4	393.36	3/4	60.48	3/4		3/4	
2	2,585.54	2	2,218.54	2	1,851.53	2	1,484.52	2	1,117.51	2	750.50	2	385.97	2	54.08	2		2	
1/4	2,577.90	1/4	2,210.89	1/4	1,843.88	1/4	1,476.88	1/4	1,109.87	1/4	742.86	1/4	378.58	1/4	47.68	1/4		1/4	
1/2	2,570.25	1/2	2,203.24	1/2	1,836.23	1/2	1,469.23	1/2	1,102.22	1/2	735.21	1/2	371.25	1/2	42.42	1/2		1/2	
3/4	2,562.61	3/4	2,195.60	3/4	1,828.59	3/4	1,461.58	3/4	1,094.57	3/4	727.57	3/4	363.92	3/4	37.16	3/4		3/4	
3	2,554.96	3	2,187.95	3	1,820.94	3	1,453.94	3	1,086.93	3	719.92	3	356.60	3	31.90	3		3	
1/4	2,547.32	1/4	2,180.31	1/4	1,813.30	1/4	1,446.29	1/4	1,079.28	1/4	712.28	1/4	349.27	1/4	26.64	1/4		1/4	
1/2	2,539.67	1/2	2,172.66	1/2	1,805.65	1/2	1,438.64	1/2	1,071.63	1/2	704.63	1/2	342.00	1/2	22.83	1/2		1/2	
3/4	2,532.02	3/4	2,165.01	3/4	1,798.01	3/4	1,431.00	3/4	1,063.99	3/4	696.98	3/4	334.74	3/4		3/4		3/4	
4	2,524.38	4	2,157.37	4	1,790.36	4	1,423.35	4	1,056.34	4	689.34	4	327.47	4		4		4	
1/4	2,516.73	1/4	2,149.72	1/4	1,782.72	1/4	1,415.71	1/4	1,048.70	1/4	681.69	1/4	320.21	1/4		1/4		1/4	
1/2	2,509.08	1/2	2,142.07	1/2	1,775.07	1/2	1,408.06	1/2	1,041.05	1/2	674.04	1/2	313.00	1/2		1/2		1/2	
3/4	2,501.44	3/4	2,134.43	3/4	1,767.42	3/4	1,400.41	3/4	1,033.41	3/4	666.40	3/4	305.80	3/4		3/4		3/4	
5	2,493.79	5	2,126.78	5	1,759.78	5	1,392.77	5	1,025.76	5	658.75	5	298.59	5		5		5	
1/4	2,486.15	1/4	2,119.14	1/4	1,752.13	1/4	1,385.12	1/4	1,018.12	1/4	651.11	1/4	291.39	1/4		1/4		1/4	
1/2	2,478.50	1/2	2,111.49	1/2	1,744.48	1/2	1,377.47	1/2	1,010.47	1/2	643.46	1/2	284.25	1/2		1/2		1/2	
3/4	2,470.85	3/4	2,103.85	3/4	1,736.84	3/4	1,369.83	3/4	1,002.82	3/4	635.81	3/4	277.11	3/4		3/4		3/4	
6	2,463.21	6	2,096.20	6	1,729.19	6	1,362.18	6	995.18	6	628.17	6	269.97	6		6		6	
1/4	2,455.56	1/4	2,088.56	1/4	1,721.55	1/4	1,354.54	1/4	987.53	1/4	620.52	1/4	262.83	1/4		1/4		1/4	
1/2	2,447.91	1/2	2,080.91	1/2	1,713.99	1/2	1,346.89	1/2	979.88	1/2	612.87	1/2	255.75	1/2		1/2		1/2	
3/4	2,440.27	3/4	2,073.26	3/4	1,705.82	3/4	1,339.25	3/4	972.24	3/4	605.23	3/4	248.68	3/4		3/4		3/4	
7	2,432.62	7	2,065.62	7	1,697.96	7	1,331.60	7	964.59	7	597.58	7	241.60	7		7		7	
1/4	2,424.98	1/4	2,057.97	1/4	1,690.10	1/4	1,323.96	1/4	956.95	1/4	589.94	1/4	234.53	1/4		1/4		1/4	
1/2	2,417.33	1/2	2,050.32	1/2	1,682.67	1/2	1,316.31	1/2	949.30	1/2	582.29	1/2	227.51	1/2		1/2		1/2	
3/4	2,409.69	3/4	2,042.68	3/4	1,675.24	3/4	1,308.66	3/4	941.65	3/4	574.65	3/4	220.50	3/4		3/4		3/4	
8	2,402.04	8	2,035.03	8	1,667.81	8	1,301.02	8	934.01	8	567.00	8	213.48	8		8		8	
1/4	2,394.40	1/4	2,027.39	1/4	1,660.38	1/4	1,293.37	1/4	926.36	1/4	559.36	1/4	206.47	1/4		1/4		1/4	
1/2	2,386.75	1/2	2,019.74	1/2	1,652.73	1/2	1,285.72	1/2	918.71	1/2	551.71	1/2	199.52	1/2		1/2		1/2	
3/4	2,379.10	3/4	2,012.09	3/4	1,645.09	3/4	1,278.08	3/4	911.07	3/4	544.06	3/4	192.56	3/4		3/4		3/4	
9	2,371.46	9	2,004.45	9	1,637.44	9	1,270.43	9	903.42	9	536.42	9	185.61	9		9		9	
1/4	2,363.81	1/4	1,996.80	1/4	1,629.80	1/4	1,262.79	1/4	895.78	1/4	528.77	1/4	178.66	1/4		1/4		1/4	
1/2	2,356.16	1/2	1,989.15	1/2	1,622.15	1/2	1,255.14	1/2	888.13	1/2	521.16	1/2	171.89	1/2		1/2		1/2	
3/4	2,348.52	3/4	1,981.51	3/4	1,614.50	3/4	1,247.49	3/4	880.49	3/4	513.54	3/4	165.12	3/4		3/4		3/4	
10	2,340.87	10	1,973.86	10	1,606.86	10	1,239.85	10	872.84	10	505.93	10	158.36	10		10		10	
1/4	2,333.23	1/4	1,966.22	1/4	1,599.21	1/4	1,232.20	1/4	865.20	1/4	498.32	1/4	151.59	1/4		1/4		1/4	
1/2	2,325.58	1/2	1,958.57	1/2	1,591.56	1/2	1,224.55	1/2	857.55	1/2	490.74	1/2	145.00	1/2		1/2		1/2	
3/4	2,317.93	3/4	1,950.93	3/4	1,583.92	3/4	1,216.91	3/4	849.90	3/4	483.16	3/4	138.41	3/4		3/4		3/4	
11	2,310.29	11	1,943.28	11	1,576.27	11	1,209.26	11	842.26	11	475.59	11	131.83	11		11		11	
1/4	2,302.64	1/4	1,935.64	1/4	1,568.63	1/4	1,201.62	1/4	834.61	1/4	468.01	1/4	125.24	1/4		1/4		1/4	
1/2	2,294.99	1/2	1,927.99	1/2	1,560.98	1/2	1,193.97	1/2	826.96	1/2	460.49	1/2	118.71	1/2		1/2		1/2	
3/4	2,287.35	3/4	1,920.34	3/4	1,553.33	3/4	1,186.33	3/4	819.32	3/4	452.98	3/4	112.19	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/08/2005 INS
RECALCULATED: 05/22/2020 CL
REPRINTED: 05/22/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "MMI 3047"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-03 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	0	0	0	0	0	4,584.27	0	4,240.84	0	3,897.16	0	3,553.48	0	3,209.80	0	2,866.12		
1/4		1/4		1/4		1/4		1/4	4,577.12	1/4	4,233.68	1/4	3,890.00	1/4	3,546.32	1/4	3,202.64	1/4	2,858.96		
1/2		1/2		1/2		1/2		1/2	4,569.98	1/2	4,226.52	1/2	3,882.84	1/2	3,539.16	1/2	3,195.48	1/2	2,851.80		
3/4		3/4		3/4		3/4		3/4	4,562.84	3/4	4,219.36	3/4	3,875.68	3/4	3,532.00	3/4	3,188.32	3/4	2,844.64		
1	1	1	1	1	1	1	1	1	4,555.70	1	4,212.20	1	3,868.52	1	3,524.84	1	3,181.16	1	2,837.48		
1/4		1/4		1/4		1/4		1/4	4,874.64	1/4	4,548.55	1/4	4,205.04	1/4	3,861.36	1/4	3,517.68	1/4	3,174.00	1/4	2,830.32
1/2		1/2		1/2		1/2		1/2	4,870.65	1/2	4,541.41	1/2	4,197.88	1/2	3,854.20	1/2	3,510.52	1/2	3,166.84	1/2	2,823.16
3/4		3/4		3/4		3/4		3/4	4,865.59	3/4	4,534.27	3/4	4,190.72	3/4	3,847.04	3/4	3,503.36	3/4	3,159.68	3/4	2,816.00
2	2	2	2	2	2	2	2	2	4,860.54	2	4,527.13	2	4,183.56	2	3,839.88	2	3,496.20	2	3,152.52	2	2,808.84
1/4		1/4		1/4		1/4		1/4	4,855.48	1/4	4,519.98	1/4	4,176.40	1/4	3,832.72	1/4	3,489.04	1/4	3,145.36	1/4	2,801.68
1/2		1/2		1/2		1/2		1/2	4,850.42	1/2	4,512.84	1/2	4,169.24	1/2	3,825.56	1/2	3,481.88	1/2	3,138.20	1/2	2,794.52
3/4		3/4		3/4		3/4		3/4	4,844.32	3/4	4,505.70	3/4	4,162.08	3/4	3,818.40	3/4	3,474.72	3/4	3,131.04	3/4	2,787.36
3	3	3	3	3	3	3	3	3	4,838.22	3	4,498.56	3	4,154.92	3	3,811.24	3	3,467.56	3	3,123.88	3	2,780.20
1/4		1/4		1/4		1/4		1/4	4,832.12	1/4	4,491.42	1/4	4,147.76	1/4	3,804.08	1/4	3,460.40	1/4	3,116.72	1/4	2,773.04
1/2		1/2		1/2		1/2		1/2	4,826.02	1/2	4,484.28	1/2	4,140.60	1/2	3,796.92	1/2	3,453.24	1/2	3,109.56	1/2	2,765.88
3/4		3/4		3/4		3/4		3/4	4,819.15	3/4	4,477.12	3/4	4,133.44	3/4	3,789.76	3/4	3,446.08	3/4	3,102.40	3/4	2,758.72
4	4	4	4	4	4	4	4	4	4,812.27	4	4,469.96	4	4,126.28	4	3,782.60	4	3,438.92	4	3,095.24	4	2,751.56
1/4		1/4		1/4		1/4		1/4	4,805.40	1/4	4,462.80	1/4	4,119.12	1/4	3,775.44	1/4	3,431.76	1/4	3,088.08	1/4	2,744.40
1/2		1/2		1/2		1/2		1/2	4,798.52	1/2	4,455.64	1/2	4,111.96	1/2	3,768.28	1/2	3,424.60	1/2	3,080.92	1/2	2,737.24
3/4		3/4		3/4		3/4		3/4	4,791.38	3/4	4,448.48	3/4	4,104.80	3/4	3,761.12	3/4	3,417.44	3/4	3,073.76	3/4	2,730.08
5	5	5	5	5	5	5	5	5	4,784.24	5	4,441.32	5	4,097.64	5	3,753.96	5	3,410.28	5	3,066.60	5	2,722.92
1/4		1/4		1/4		1/4		1/4	4,777.10	1/4	4,434.16	1/4	4,090.48	1/4	3,746.80	1/4	3,403.12	1/4	3,059.44	1/4	2,715.76
1/2		1/2		1/2		1/2		1/2	4,769.96	1/2	4,427.00	1/2	4,083.32	1/2	3,739.64	1/2	3,395.96	1/2	3,052.28	1/2	2,708.60
3/4		3/4		3/4		3/4		3/4	4,762.82	3/4	4,419.84	3/4	4,076.16	3/4	3,732.48	3/4	3,388.80	3/4	3,045.12	3/4	2,701.44
6	6	6	6	6	6	6	6	6	4,755.68	6	4,412.68	6	4,069.00	6	3,725.32	6	3,381.64	6	3,037.96	6	2,694.28
1/4		1/4		1/4		1/4		1/4	4,748.53	1/4	4,405.52	1/4	4,061.84	1/4	3,718.16	1/4	3,374.48	1/4	3,030.80	1/4	2,687.12
1/2		1/2		1/2		1/2		1/2	4,741.39	1/2	4,398.36	1/2	4,054.68	1/2	3,711.00	1/2	3,367.32	1/2	3,023.64	1/2	2,679.96
3/4		3/4		3/4		3/4		3/4	4,734.25	3/4	4,391.20	3/4	4,047.52	3/4	3,703.84	3/4	3,360.16	3/4	3,016.48	3/4	2,672.80
7	7	7	7	7	7	7	7	7	4,727.11	7	4,384.04	7	4,040.36	7	3,696.68	7	3,353.00	7	3,009.32	7	2,665.64
1/4		1/4		1/4		1/4		1/4	4,719.96	1/4	4,376.88	1/4	4,033.20	1/4	3,689.52	1/4	3,345.84	1/4	3,002.16	1/4	2,658.48
1/2		1/2		1/2		1/2		1/2	4,712.82	1/2	4,369.72	1/2	4,026.04	1/2	3,682.36	1/2	3,338.68	1/2	2,995.00	1/2	2,651.32
3/4		3/4		3/4		3/4		3/4	4,705.68	3/4	4,362.56	3/4	4,018.88	3/4	3,675.20	3/4	3,331.52	3/4	2,987.84	3/4	2,644.16
8	8	8	8	8	8	8	8	8	4,698.54	8	4,355.40	8	4,011.72	8	3,668.04	8	3,324.36	8	2,980.68	8	2,637.00
1/4		1/4		1/4		1/4		1/4	4,691.39	1/4	4,348.24	1/4	4,004.56	1/4	3,660.88	1/4	3,317.20	1/4	2,973.52	1/4	2,629.84
1/2		1/2		1/2		1/2		1/2	4,684.25	1/2	4,341.08	1/2	3,997.40	1/2	3,653.72	1/2	3,310.04	1/2	2,966.36	1/2	2,622.68
3/4		3/4		3/4		3/4		3/4	4,677.11	3/4	4,333.92	3/4	3,990.24	3/4	3,646.56	3/4	3,302.88	3/4	2,959.20	3/4	2,615.52
9	9	9	9	9	9	9	9	9	4,669.97	9	4,326.76	9	3,983.08	9	3,639.40	9	3,295.72	9	2,952.04	9	2,608.36
1/4		1/4		1/4		1/4		1/4	4,662.82	1/4	4,319.60	1/4	3,975.92	1/4	3,632.24	1/4	3,288.56	1/4	2,944.88	1/4	2,601.20
1/2		1/2		1/2		1/2		1/2	4,655.68	1/2	4,312.44	1/2	3,968.76	1/2	3,625.08	1/2	3,281.40	1/2	2,937.72	1/2	2,594.04
3/4		3/4		3/4		3/4		3/4	4,648.54	3/4	4,305.28	3/4	3,961.60	3/4	3,617.92	3/4	3,274.24	3/4	2,930.56	3/4	2,586.88
10	10	10	10	10	10	10	10	10	4,641.40	10	4,298.12	10	3,954.44	10	3,610.76	10	3,267.08	10	2,923.40	10	2,579.72
1/4		1/4		1/4		1/4		1/4	4,634.26	1/4	4,290.96	1/4	3,947.28	1/4	3,603.60	1/4	3,259.92	1/4	2,916.24	1/4	2,572.56
1/2		1/2		1/2		1/2		1/2	4,627.12	1/2	4,283.80	1/2	3,940.12	1/2	3,596.44	1/2	3,252.76	1/2	2,909.08	1/2	2,565.40
3/4		3/4		3/4		3/4		3/4	4,619.98	3/4	4,276.64	3/4	3,932.96	3/4	3,589.28	3/4	3,245.60	3/4	2,901.92	3/4	2,558.24
11	11	11	11	11	11	11	11	11	4,612.84	11	4,269.48	11	3,925.80	11	3,582.12	11	3,238.44	11	2,894.76	11	2,551.08
1/4		1/4		1/4		1/4		1/4	4,605.69	1/4	4,262.32	1/4	3,918.64	1/4	3,574.96	1/4	3,231.28	1/4	2,887.60	1/4	2,543.92
1/2		1/2		1/2		1/2		1/2	4,598.55	1/2	4,255.16	1/2	3,911.48	1/2	3,567.80	1/2	3,224.12	1/2	2,880.44	1/2	2,536.76
3/4		3/4		3/4		3/4		3/4	4,591.41	3/4	4,248.00	3/4	3,904.32	3/4	3,560.64	3/4	3,216.96	3/4	2,873.28	3/4	2,529.60

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" GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 39'-05" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MMI 3047"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-03 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	2,522.44	0	2,178.76	0	1,835.08	0	1,491.40	0	1,147.72	0	804.04	0	460.36	0	118.49	0		0	
1/4	2,515.28	1/4	2,171.60	1/4	1,827.92	1/4	1,484.24	1/4	1,140.56	1/4	796.88	1/4	453.20	1/4	111.55	1/4		1/4	
1/2	2,508.12	1/2	2,164.44	1/2	1,820.76	1/2	1,477.08	1/2	1,133.40	1/2	789.72	1/2	446.04	1/2	104.62	1/2		1/2	
3/4	2,500.96	3/4	2,157.28	3/4	1,813.60	3/4	1,469.92	3/4	1,126.24	3/4	782.56	3/4	438.88	3/4	97.69	3/4		3/4	
1	2,493.80	1	2,150.12	1	1,806.44	1	1,462.76	1	1,119.08	1	775.40	1	431.72	1	90.75	1		1	
1/4	2,486.64	1/4	2,142.96	1/4	1,799.28	1/4	1,455.60	1/4	1,111.92	1/4	768.24	1/4	424.56	1/4	83.82	1/4		1/4	
1/2	2,479.48	1/2	2,135.80	1/2	1,792.12	1/2	1,448.44	1/2	1,104.76	1/2	761.08	1/2	417.40	1/2	76.88	1/2		1/2	
3/4	2,472.32	3/4	2,128.64	3/4	1,784.96	3/4	1,441.28	3/4	1,097.60	3/4	753.92	3/4	410.24	3/4	69.95	3/4		3/4	
2	2,465.16	2	2,121.48	2	1,777.80	2	1,434.12	2	1,090.44	2	746.76	2	403.08	2	63.01	2		2	
1/4	2,458.00	1/4	2,114.32	1/4	1,770.64	1/4	1,426.96	1/4	1,083.28	1/4	739.60	1/4	395.92	1/4	56.08	1/4		1/4	
1/2	2,450.84	1/2	2,107.16	1/2	1,763.48	1/2	1,419.80	1/2	1,076.12	1/2	732.44	1/2	388.76	1/2	49.14	1/2		1/2	
3/4	2,443.68	3/4	2,100.00	3/4	1,756.32	3/4	1,412.64	3/4	1,068.96	3/4	725.28	3/4	381.60	3/4	43.48	3/4		3/4	
3	2,436.52	3	2,092.84	3	1,749.16	3	1,405.48	3	1,061.80	3	718.12	3	374.44	3	37.81	3		3	
1/4	2,429.36	1/4	2,085.68	1/4	1,742.00	1/4	1,398.32	1/4	1,054.64	1/4	710.96	1/4	367.28	1/4	32.15	1/4		1/4	
1/2	2,422.20	1/2	2,078.52	1/2	1,734.84	1/2	1,391.16	1/2	1,047.48	1/2	703.80	1/2	360.12	1/2	26.48	1/2		1/2	
3/4	2,415.04	3/4	2,071.36	3/4	1,727.68	3/4	1,384.00	3/4	1,040.32	3/4	696.64	3/4	352.96	3/4	22.50	3/4		3/4	
4	2,407.88	4	2,064.20	4	1,720.52	4	1,376.84	4	1,033.16	4	689.48	4	345.80	4		4		4	
1/4	2,400.72	1/4	2,057.04	1/4	1,713.36	1/4	1,369.68	1/4	1,026.00	1/4	682.32	1/4	338.64	1/4		1/4		1/4	
1/2	2,393.56	1/2	2,049.88	1/2	1,706.20	1/2	1,362.52	1/2	1,018.84	1/2	675.16	1/2	331.48	1/2		1/2		1/2	
3/4	2,386.40	3/4	2,042.72	3/4	1,699.04	3/4	1,355.36	3/4	1,011.68	3/4	668.00	3/4	324.32	3/4		3/4		3/4	
5	2,379.24	5	2,035.56	5	1,691.88	5	1,348.20	5	1,004.52	5	660.84	5	317.16	5		5		5	
1/4	2,372.08	1/4	2,028.40	1/4	1,684.72	1/4	1,341.04	1/4	997.36	1/4	653.68	1/4	310.00	1/4		1/4		1/4	
1/2	2,364.92	1/2	2,021.24	1/2	1,677.56	1/2	1,333.88	1/2	990.20	1/2	646.52	1/2	302.84	1/2		1/2		1/2	
3/4	2,357.76	3/4	2,014.08	3/4	1,670.40	3/4	1,326.72	3/4	983.04	3/4	639.36	3/4	295.68	3/4		3/4		3/4	
6	2,350.60	6	2,006.92	6	1,663.24	6	1,319.56	6	975.88	6	632.20	6	288.52	6		6		6	
1/4	2,343.44	1/4	1,999.76	1/4	1,656.08	1/4	1,312.40	1/4	968.72	1/4	625.04	1/4	281.36	1/4		1/4		1/4	
1/2	2,336.28	1/2	1,992.60	1/2	1,648.92	1/2	1,305.24	1/2	961.56	1/2	617.88	1/2	274.20	1/2		1/2		1/2	
3/4	2,329.12	3/4	1,985.44	3/4	1,641.76	3/4	1,298.08	3/4	954.40	3/4	610.72	3/4	267.04	3/4		3/4		3/4	
7	2,321.96	7	1,978.28	7	1,634.60	7	1,290.92	7	947.24	7	603.56	7	259.88	7		7		7	
1/4	2,314.80	1/4	1,971.12	1/4	1,627.44	1/4	1,283.76	1/4	940.08	1/4	596.40	1/4	252.72	1/4		1/4		1/4	
1/2	2,307.64	1/2	1,963.96	1/2	1,620.28	1/2	1,276.60	1/2	932.92	1/2	589.24	1/2	245.56	1/2		1/2		1/2	
3/4	2,300.48	3/4	1,956.80	3/4	1,613.12	3/4	1,269.44	3/4	925.76	3/4	582.08	3/4	238.40	3/4		3/4		3/4	
8	2,293.32	8	1,949.64	8	1,605.96	8	1,262.28	8	918.60	8	574.92	8	231.24	8		8		8	
1/4	2,286.16	1/4	1,942.48	1/4	1,598.80	1/4	1,255.12	1/4	911.44	1/4	567.76	1/4	224.08	1/4		1/4		1/4	
1/2	2,279.00	1/2	1,935.32	1/2	1,591.64	1/2	1,247.96	1/2	904.28	1/2	560.60	1/2	216.92	1/2		1/2		1/2	
3/4	2,271.84	3/4	1,928.16	3/4	1,584.48	3/4	1,240.80	3/4	897.12	3/4	553.44	3/4	209.76	3/4		3/4		3/4	
9	2,264.68	9	1,921.00	9	1,577.32	9	1,233.64	9	889.96	9	546.28	9	202.60	9		9		9	
1/4	2,257.52	1/4	1,913.84	1/4	1,570.16	1/4	1,226.48	1/4	882.80	1/4	539.12	1/4	195.44	1/4		1/4		1/4	
1/2	2,250.36	1/2	1,906.68	1/2	1,563.00	1/2	1,219.32	1/2	875.64	1/2	531.96	1/2	188.28	1/2		1/2		1/2	
3/4	2,243.20	3/4	1,899.52	3/4	1,555.84	3/4	1,212.16	3/4	868.48	3/4	524.80	3/4	181.23	3/4		3/4		3/4	
10	2,236.04	10	1,892.36	10	1,548.68	10	1,205.00	10	861.32	10	517.64	10	174.19	10		10		10	
1/4	2,228.88	1/4	1,885.20	1/4	1,541.52	1/4	1,197.84	1/4	854.16	1/4	510.48	1/4	167.14	1/4		1/4		1/4	
1/2	2,221.72	1/2	1,878.04	1/2	1,534.36	1/2	1,190.68	1/2	847.00	1/2	503.32	1/2	160.09	1/2		1/2		1/2	
3/4	2,214.56	3/4	1,870.88	3/4	1,527.20	3/4	1,183.52	3/4	839.84	3/4	496.16	3/4	153.16	3/4		3/4		3/4	
11	2,207.40	11	1,863.72	11	1,520.04	11	1,176.36	11	832.68	11	489.00	11	146.22	11		11		11	
1/4	2,200.24	1/4	1,856.56	1/4	1,512.88	1/4	1,169.20	1/4	825.52	1/4	481.84	1/4	139.29	1/4		1/4		1/4	
1/2	2,193.08	1/2	1,849.40	1/2	1,505.72	1/2	1,162.04	1/2	818.36	1/2	474.68	1/2	132.35	1/2		1/2		1/2	
3/4	2,185.92	3/4	1,842.24	3/4	1,498.56	3/4	1,154.88	3/4	811.20	3/4	467.52	3/4	125.42	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/08/2005 INS
RECALCULATED: 05/22/2020 CL
REPRINTED: 05/22/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

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



BARGE "MMI 3047"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-03 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	4,577.12	0	4,233.68	0	3,890.00	0	3,546.32	0	3,202.64	0	2,858.96	0	2,515.20
1/4		1/4		1/4		1/4	4,569.98	1/4	4,226.52	1/4	3,882.84	1/4	3,539.16	1/4	3,195.48	1/4	2,851.80	1/4	2,508.00
1/2		1/2		1/2		1/2	4,562.84	1/2	4,219.36	1/2	3,875.68	1/2	3,532.00	1/2	3,188.32	1/2	2,844.64	1/2	2,499.60
3/4		3/4		3/4		3/4	4,555.70	3/4	4,212.20	3/4	3,868.52	3/4	3,524.84	3/4	3,181.16	3/4	2,837.48	3/4	2,494.40
1		1		1		1	4,874.64	1	4,548.55	1	4,205.04	1	3,861.36	1	3,517.68	1	3,174.00	1	2,830.32
1/4		1/4		1/4		1/4	4,870.65	1/4	4,541.41	1/4	4,197.88	1/4	3,854.20	1/4	3,510.52	1/4	3,166.84	1/4	2,823.16
1/2		1/2		1/2		1/2	4,865.59	1/2	4,534.27	1/2	4,190.72	1/2	3,847.04	1/2	3,503.36	1/2	3,159.68	1/2	2,816.00
3/4		3/4		3/4		3/4	4,860.54	3/4	4,527.13	3/4	4,183.56	3/4	3,839.88	3/4	3,496.20	3/4	3,152.52	3/4	2,808.84
2		2		2		2	4,855.48	2	4,519.98	2	4,176.40	2	3,832.72	2	3,489.04	2	3,145.36	2	2,801.68
1/4		1/4		1/4		1/4	4,850.42	1/4	4,512.84	1/4	4,169.24	1/4	3,825.56	1/4	3,481.88	1/4	3,138.20	1/4	2,794.52
1/2		1/2		1/2		1/2	4,844.32	1/2	4,505.70	1/2	4,162.08	1/2	3,818.40	1/2	3,474.72	1/2	3,131.04	1/2	2,787.36
3/4		3/4		3/4		3/4	4,838.22	3/4	4,498.56	3/4	4,154.92	3/4	3,811.24	3/4	3,467.56	3/4	3,123.88	3/4	2,780.20
3		3		3		3	4,832.12	3	4,491.42	3	4,147.76	3	3,804.08	3	3,460.40	3	3,116.72	3	2,773.04
1/4		1/4		1/4		1/4	4,826.02	1/4	4,484.28	1/4	4,140.60	1/4	3,796.92	1/4	3,453.24	1/4	3,109.56	1/4	2,765.88
1/2		1/2		1/2		1/2	4,819.15	1/2	4,477.12	1/2	4,133.44	1/2	3,789.76	1/2	3,446.08	1/2	3,102.40	1/2	2,758.72
3/4		3/4		3/4		3/4	4,812.27	3/4	4,469.96	3/4	4,126.28	3/4	3,782.60	3/4	3,438.92	3/4	3,095.24	3/4	2,751.56
4		4		4		4	4,805.40	4	4,462.80	4	4,119.12	4	3,775.44	4	3,431.76	4	3,088.08	4	2,744.40
1/4		1/4		1/4		1/4	4,798.52	1/4	4,455.64	1/4	4,111.96	1/4	3,768.28	1/4	3,424.60	1/4	3,080.92	1/4	2,737.24
1/2		1/2		1/2		1/2	4,791.38	1/2	4,448.48	1/2	4,104.80	1/2	3,761.12	1/2	3,417.44	1/2	3,073.76	1/2	2,730.08
3/4		3/4		3/4		3/4	4,784.24	3/4	4,441.32	3/4	4,097.64	3/4	3,753.96	3/4	3,410.28	3/4	3,066.60	3/4	2,722.92
5		5		5		5	4,777.10	5	4,434.16	5	4,090.48	5	3,746.80	5	3,403.12	5	3,059.44	5	2,715.76
1/4		1/4		1/4		1/4	4,769.96	1/4	4,427.00	1/4	4,083.32	1/4	3,739.64	1/4	3,395.96	1/4	3,052.28	1/4	2,708.60
1/2		1/2		1/2		1/2	4,762.82	1/2	4,419.84	1/2	4,076.16	1/2	3,732.48	1/2	3,388.80	1/2	3,045.12	1/2	2,701.44
3/4		3/4		3/4		3/4	4,755.68	3/4	4,412.68	3/4	4,069.00	3/4	3,725.32	3/4	3,381.64	3/4	3,037.96	3/4	2,694.28
6		6		6		6	4,748.53	6	4,405.52	6	4,061.84	6	3,718.16	6	3,374.48	6	3,030.80	6	2,687.12
1/4		1/4		1/4		1/4	4,741.39	1/4	4,398.36	1/4	4,054.68	1/4	3,711.00	1/4	3,367.32	1/4	3,023.64	1/4	2,679.96
1/2		1/2		1/2		1/2	4,734.25	1/2	4,391.20	1/2	4,047.52	1/2	3,703.84	1/2	3,360.16	1/2	3,016.48	1/2	2,672.80
3/4		3/4		3/4		3/4	4,727.11	3/4	4,384.04	3/4	4,040.36	3/4	3,696.68	3/4	3,353.00	3/4	3,009.32	3/4	2,665.64
7		7		7		7	4,719.96	7	4,376.88	7	4,033.20	7	3,689.52	7	3,345.84	7	3,002.16	7	2,658.48
1/4		1/4		1/4		1/4	4,712.82	1/4	4,369.72	1/4	4,026.04	1/4	3,682.36	1/4	3,338.68	1/4	2,995.00	1/4	2,651.32
1/2		1/2		1/2		1/2	4,705.68	1/2	4,362.56	1/2	4,018.88	1/2	3,675.20	1/2	3,331.52	1/2	2,987.84	1/2	2,644.16
3/4		3/4		3/4		3/4	4,698.54	3/4	4,355.40	3/4	4,011.72	3/4	3,668.04	3/4	3,324.36	3/4	2,980.68	3/4	2,637.00
8		8		8		8	4,691.39	8	4,348.24	8	4,004.56	8	3,660.88	8	3,317.20	8	2,973.52	8	2,629.84
1/4		1/4		1/4		1/4	4,684.25	1/4	4,341.08	1/4	3,997.40	1/4	3,653.72	1/4	3,310.04	1/4	2,966.36	1/4	2,622.68
1/2		1/2		1/2		1/2	4,677.11	1/2	4,333.92	1/2	3,990.24	1/2	3,646.56	1/2	3,302.88	1/2	2,959.20	1/2	2,615.52
3/4		3/4		3/4		3/4	4,669.97	3/4	4,326.76	3/4	3,983.08	3/4	3,639.40	3/4	3,295.72	3/4	2,952.04	3/4	2,608.36
9		9		9		9	4,662.82	9	4,319.60	9	3,975.92	9	3,632.24	9	3,288.56	9	2,944.88	9	2,601.20
1/4		1/4		1/4		1/4	4,655.68	1/4	4,312.44	1/4	3,968.76	1/4	3,625.08	1/4	3,281.40	1/4	2,937.72	1/4	2,594.04
1/2		1/2		1/2		1/2	4,648.54	1/2	4,305.28	1/2	3,961.60	1/2	3,617.92	1/2	3,274.24	1/2	2,930.56	1/2	2,586.88
3/4		3/4		3/4		3/4	4,641.40	3/4	4,298.12	3/4	3,954.44	3/4	3,610.76	3/4	3,267.08	3/4	2,923.40	3/4	2,579.72
10		10		10		10	4,634.26	10	4,290.96	10	3,947.28	10	3,603.60	10	3,259.92	10	2,916.24	10	2,572.56
1/4		1/4		1/4		1/4	4,627.12	1/4	4,283.80	1/4	3,940.12	1/4	3,596.44	1/4	3,252.76	1/4	2,909.08	1/4	2,565.40
1/2		1/2		1/2		1/2	4,619.98	1/2	4,276.64	1/2	3,932.96	1/2	3,589.28	1/2	3,245.60	1/2	2,901.92	1/2	2,558.24
3/4		3/4		3/4		3/4	4,612.84	3/4	4,269.48	3/4	3,925.80	3/4	3,582.12	3/4	3,238.44	3/4	2,894.76	3/4	2,551.08
11		11		11		11	4,605.69	11	4,262.32	11	3,918.64	11	3,574.96	11	3,231.28	11	2,887.60	11	2,543.92
1/4		1/4		1/4		1/4	4,598.55	1/4	4,255.16	1/4	3,911.48	1/4	3,567.80	1/4	3,224.12	1/4	2,880.44	1/4	2,536.76
1/2		1/2		1/2		1/2	4,591.41	1/2	4,248.00	1/2	3,904.32	1/2	3,560.64	1/2	3,216.96	1/2	2,873.28	1/2	2,529.60
3/4		3/4		3/4		3/4	4,584.27	3/4	4,240.84	3/4	3,897.16	3/4	3,553.48	3/4	3,209.80	3/4	2,866.12	3/4	2,522.44

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" GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 39'-05" FORWARD OF AFT BULKHEAD

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



BARGE "MMI 3047"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-03 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	2,515.28	0	2,171.60	0	1,827.92	0	1,484.24	0	1,140.56	0	796.88	0	453.20	0	111.55	0		0	
1/4	2,508.12	1/4	2,164.44	1/4	1,820.76	1/4	1,477.08	1/4	1,133.40	1/4	789.72	1/4	446.04	1/4	104.62	1/4		1/4	
1/2	2,500.96	1/2	2,157.28	1/2	1,813.60	1/2	1,469.92	1/2	1,126.24	1/2	782.56	1/2	438.88	1/2	97.69	1/2		1/2	
3/4	2,493.80	3/4	2,150.12	3/4	1,806.44	3/4	1,462.76	3/4	1,119.08	3/4	775.40	3/4	431.72	3/4	90.75	3/4		3/4	
1	2,486.64	1	2,142.96	1	1,799.28	1	1,455.60	1	1,111.92	1	768.24	1	424.56	1	83.82	1		1	
1/4	2,479.48	1/4	2,135.80	1/4	1,792.12	1/4	1,448.44	1/4	1,104.76	1/4	761.08	1/4	417.40	1/4	76.88	1/4		1/4	
1/2	2,472.32	1/2	2,128.64	1/2	1,784.96	1/2	1,441.28	1/2	1,097.60	1/2	753.92	1/2	410.24	1/2	69.95	1/2		1/2	
3/4	2,465.16	3/4	2,121.48	3/4	1,777.80	3/4	1,434.12	3/4	1,090.44	3/4	746.76	3/4	403.08	3/4	63.01	3/4		3/4	
2	2,458.00	2	2,114.32	2	1,770.64	2	1,426.96	2	1,083.28	2	739.60	2	395.92	2	56.08	2		2	
1/4	2,450.84	1/4	2,107.16	1/4	1,763.48	1/4	1,419.80	1/4	1,076.12	1/4	732.44	1/4	388.76	1/4	49.14	1/4		1/4	
1/2	2,443.68	1/2	2,100.00	1/2	1,756.32	1/2	1,412.64	1/2	1,068.96	1/2	725.28	1/2	381.60	1/2	43.48	1/2		1/2	
3/4	2,436.52	3/4	2,092.84	3/4	1,749.16	3/4	1,405.48	3/4	1,061.80	3/4	718.12	3/4	374.44	3/4	37.81	3/4		3/4	
3	2,429.36	3	2,085.68	3	1,742.00	3	1,398.32	3	1,054.64	3	710.96	3	367.28	3	32.15	3		3	
1/4	2,422.20	1/4	2,078.52	1/4	1,734.84	1/4	1,391.16	1/4	1,047.48	1/4	703.80	1/4	360.12	1/4	26.48	1/4		1/4	
1/2	2,415.04	1/2	2,071.36	1/2	1,727.68	1/2	1,384.00	1/2	1,040.32	1/2	696.64	1/2	352.96	1/2	22.50	1/2		1/2	
3/4	2,407.88	3/4	2,064.20	3/4	1,720.52	3/4	1,376.84	3/4	1,033.16	3/4	689.48	3/4	345.80	3/4		3/4		3/4	
4	2,400.72	4	2,057.04	4	1,713.36	4	1,369.68	4	1,026.00	4	682.32	4	338.64	4		4		4	
1/4	2,393.56	1/4	2,049.88	1/4	1,706.20	1/4	1,362.52	1/4	1,018.84	1/4	675.16	1/4	331.48	1/4		1/4		1/4	
1/2	2,386.40	1/2	2,042.72	1/2	1,699.04	1/2	1,355.36	1/2	1,011.68	1/2	668.00	1/2	324.32	1/2		1/2		1/2	
3/4	2,379.24	3/4	2,035.56	3/4	1,691.88	3/4	1,348.20	3/4	1,004.52	3/4	660.84	3/4	317.16	3/4		3/4		3/4	
5	2,372.08	5	2,028.40	5	1,684.72	5	1,341.04	5	997.36	5	653.68	5	310.00	5		5		5	
1/4	2,364.92	1/4	2,021.24	1/4	1,677.56	1/4	1,333.88	1/4	990.20	1/4	646.52	1/4	302.84	1/4		1/4		1/4	
1/2	2,357.76	1/2	2,014.08	1/2	1,670.40	1/2	1,326.72	1/2	983.04	1/2	639.36	1/2	295.68	1/2		1/2		1/2	
3/4	2,350.60	3/4	2,006.92	3/4	1,663.24	3/4	1,319.56	3/4	975.88	3/4	632.20	3/4	288.52	3/4		3/4		3/4	
6	2,343.44	6	1,999.76	6	1,656.08	6	1,312.40	6	968.72	6	625.04	6	281.36	6		6		6	
1/4	2,336.28	1/4	1,992.60	1/4	1,648.92	1/4	1,305.24	1/4	961.56	1/4	617.88	1/4	274.20	1/4		1/4		1/4	
1/2	2,329.12	1/2	1,985.44	1/2	1,641.76	1/2	1,298.08	1/2	954.40	1/2	610.72	1/2	267.04	1/2		1/2		1/2	
3/4	2,321.96	3/4	1,978.28	3/4	1,634.60	3/4	1,290.92	3/4	947.24	3/4	603.56	3/4	259.88	3/4		3/4		3/4	
7	2,314.80	7	1,971.12	7	1,627.44	7	1,283.76	7	940.08	7	596.40	7	252.72	7		7		7	
1/4	2,307.64	1/4	1,963.96	1/4	1,620.28	1/4	1,276.60	1/4	932.92	1/4	589.24	1/4	245.56	1/4		1/4		1/4	
1/2	2,300.48	1/2	1,956.80	1/2	1,613.12	1/2	1,269.44	1/2	925.76	1/2	582.08	1/2	238.40	1/2		1/2		1/2	
3/4	2,293.32	3/4	1,949.64	3/4	1,605.96	3/4	1,262.28	3/4	918.60	3/4	574.92	3/4	231.24	3/4		3/4		3/4	
8	2,286.16	8	1,942.48	8	1,598.80	8	1,255.12	8	911.44	8	567.76	8	224.08	8		8		8	
1/4	2,279.00	1/4	1,935.32	1/4	1,591.64	1/4	1,247.96	1/4	904.28	1/4	560.60	1/4	216.92	1/4		1/4		1/4	
1/2	2,271.84	1/2	1,928.16	1/2	1,584.48	1/2	1,240.80	1/2	897.12	1/2	553.44	1/2	209.76	1/2		1/2		1/2	
3/4	2,264.68	3/4	1,921.00	3/4	1,577.32	3/4	1,233.64	3/4	889.96	3/4	546.28	3/4	202.60	3/4		3/4		3/4	
9	2,257.52	9	1,913.84	9	1,570.16	9	1,226.48	9	882.80	9	539.12	9	195.44	9		9		9	
1/4	2,250.36	1/4	1,906.68	1/4	1,563.00	1/4	1,219.32	1/4	875.64	1/4	531.96	1/4	188.28	1/4		1/4		1/4	
1/2	2,243.20	1/2	1,899.52	1/2	1,555.84	1/2	1,212.16	1/2	868.48	1/2	524.80	1/2	181.23	1/2		1/2		1/2	
3/4	2,236.04	3/4	1,892.36	3/4	1,548.68	3/4	1,205.00	3/4	861.32	3/4	517.64	3/4	174.19	3/4		3/4		3/4	
10	2,228.88	10	1,885.20	10	1,541.52	10	1,197.84	10	854.16	10	510.48	10	167.14	10		10		10	
1/4	2,221.72	1/4	1,878.04	1/4	1,534.36	1/4	1,190.68	1/4	847.00	1/4	503.32	1/4	160.09	1/4		1/4		1/4	
1/2	2,214.56	1/2	1,870.88	1/2	1,527.20	1/2	1,183.52	1/2	839.84	1/2	496.16	1/2	153.16	1/2		1/2		1/2	
3/4	2,207.40	3/4	1,863.72	3/4	1,520.04	3/4	1,176.36	3/4	832.68	3/4	489.00	3/4	146.22	3/4		3/4		3/4	
11	2,200.24	11	1,856.56	11	1,512.88	11	1,169.20	11	825.52	11	481.84	11	139.29	11		11		11	
1/4	2,193.08	1/4	1,849.40	1/4	1,505.72	1/4	1,162.04	1/4	818.36	1/4	474.68	1/4	132.35	1/4		1/4		1/4	
1/2	2,185.92	1/2	1,842.24	1/2	1,498.56	1/2	1,154.88	1/2	811.20	1/2	467.52	1/2	125.42	1/2		1/2		1/2	
3/4	2,178.76	3/4	1,835.08	3/4	1,491.40	3/4	1,147.72	3/4	804.04	3/4	460.36	3/4	118.49	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/08/2005 INS
RECALCULATED: 05/22/2020 CL
REPRINTED: 05/22/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

PRECISION MEASUREMENT
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BARGE "MMI 3047"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-03 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	0	0	0	0	0	4,472.45	0	4,219.21	0	3,965.96	0	3,712.71	0	3,411.57	0	3,045.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,467.18	1/4	4,213.93	1/4	3,960.68	1/4	3,707.44	1/4	3,403.95	1/4	3,038.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,461.90	1/2	4,208.65	1/2	3,955.40	1/2	3,702.16	1/2	3,396.33	1/2	3,030.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,456.63	3/4	4,203.38	3/4	3,950.13	3/4	3,696.88	3/4	3,388.71	3/4	3,022.95
1	1	1	1	1	1	1	1	1	4,451.35	1	4,198.10	1	3,944.85	1	3,691.61	1	3,381.09	1	3,015.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,446.08	1/4	4,192.83	1/4	3,939.58	1/4	3,686.33	1/4	3,373.47	1/4	3,007.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,440.80	1/2	4,187.55	1/2	3,934.30	1/2	3,681.05	1/2	3,365.85	1/2	3,000.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,435.52	3/4	4,182.27	3/4	3,929.03	3/4	3,675.78	3/4	3,358.23	3/4	2,992.47
2	2	2	2	2	2	2	2	2	4,430.25	2	4,177.00	2	3,923.75	2	3,670.50	2	3,350.61	2	2,984.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,424.97	1/4	4,171.72	1/4	3,918.48	1/4	3,665.23	1/4	3,342.99	1/4	2,977.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,419.69	1/2	4,166.44	1/2	3,913.20	1/2	3,659.95	1/2	3,335.37	1/2	2,969.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,414.42	3/4	4,161.27	3/4	3,907.92	3/4	3,654.67	3/4	3,327.75	3/4	2,961.99
3	3	3	3	3	3	3	3	3	4,409.14	3	4,156.10	3	3,902.65	3	3,649.40	3	3,320.13	3	2,954.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,403.87	1/4	4,150.92	1/4	3,897.37	1/4	3,644.12	1/4	3,312.51	1/4	2,946.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,398.59	1/2	4,145.75	1/2	3,892.09	1/2	3,638.84	1/2	3,304.89	1/2	2,939.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,393.31	3/4	4,140.37	3/4	3,886.82	3/4	3,633.36	3/4	3,297.27	3/4	2,931.51
4	4	4	4	4	4	4	4	4	4,388.04	4	4,135.00	4	3,881.54	4	3,627.88	4	3,289.65	4	2,923.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,382.76	1/4	4,129.62	1/4	3,876.27	1/4	3,622.40	1/4	3,282.03	1/4	2,916.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,377.48	1/2	4,124.24	1/2	3,870.99	1/2	3,616.92	1/2	3,274.41	1/2	2,908.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,372.21	3/4	4,118.96	3/4	3,865.71	3/4	3,611.13	3/4	3,266.79	3/4	2,901.03
5	5	5	5	5	5	5	5	5	4,366.93	5	4,113.69	5	3,860.44	5	3,605.34	5	3,259.17	5	2,893.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,361.66	1/4	4,108.41	1/4	3,855.16	1/4	3,599.54	1/4	3,251.55	1/4	2,885.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,356.38	1/2	4,103.13	1/2	3,849.88	1/2	3,593.75	1/2	3,243.93	1/2	2,878.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,351.11	3/4	4,097.86	3/4	3,844.61	3/4	3,587.61	3/4	3,236.31	3/4	2,870.55
6	6	6	6	6	6	6	6	6	4,345.83	6	4,092.58	6	3,839.33	6	3,581.47	6	3,228.69	6	2,862.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,340.56	1/4	4,087.31	1/4	3,834.06	1/4	3,575.33	1/4	3,221.07	1/4	2,855.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,335.28	1/2	4,082.03	1/2	3,828.78	1/2	3,569.19	1/2	3,213.45	1/2	2,847.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,330.00	3/4	4,076.75	3/4	3,823.51	3/4	3,562.71	3/4	3,205.83	3/4	2,840.07
7	7	7	7	7	7	7	7	7	4,324.73	7	4,071.48	7	3,818.23	7	3,556.22	7	3,198.21	7	2,832.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,319.45	1/4	4,066.20	1/4	3,812.96	1/4	3,549.74	1/4	3,190.59	1/4	2,824.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,314.17	1/2	4,060.92	1/2	3,807.68	1/2	3,543.25	1/2	3,182.97	1/2	2,817.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,308.90	3/4	4,055.65	3/4	3,802.40	3/4	3,536.42	3/4	3,175.35	3/4	2,809.59
8	8	8	8	8	8	8	8	8	4,303.62	8	4,050.37	8	3,797.13	8	3,529.59	8	3,167.73	8	2,801.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,298.35	1/4	4,045.10	1/4	3,791.85	1/4	3,522.76	1/4	3,160.11	1/4	2,794.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,293.07	1/2	4,039.82	1/2	3,786.57	1/2	3,515.93	1/2	3,152.49	1/2	2,786.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,287.79	3/4	4,034.55	3/4	3,781.30	3/4	3,508.75	3/4	3,144.87	3/4	2,779.11
9	9	9	9	9	9	9	9	9	4,282.52	9	4,029.27	9	3,776.02	9	3,501.58	9	3,137.25	9	2,771.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,277.24	1/4	4,024.00	1/4	3,770.75	1/4	3,494.40	1/4	3,129.63	1/4	2,763.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,271.96	1/2	4,018.72	1/2	3,765.47	1/2	3,487.22	1/2	3,122.01	1/2	2,756.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,266.69	3/4	4,013.44	3/4	3,760.19	3/4	3,479.74	3/4	3,114.39	3/4	2,748.63
10	10	10	10	10	10	10	10	10	4,261.41	10	4,008.17	10	3,754.92	10	3,472.26	10	3,106.77	10	2,741.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,256.14	1/4	4,002.89	1/4	3,749.64	1/4	3,464.77	1/4	3,099.15	1/4	2,733.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,250.86	1/2	3,997.61	1/2	3,744.36	1/2	3,457.29	1/2	3,091.53	1/2	2,725.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,245.59	3/4	3,992.34	3/4	3,739.09	3/4	3,449.67	3/4	3,083.91	3/4	2,718.15
11	11	11	11	11	11	11	11	11	4,240.31	11	3,987.06	11	3,733.81	11	3,442.05	11	3,076.29	11	2,710.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,235.04	1/4	3,981.79	1/4	3,728.54	1/4	3,434.43	1/4	3,068.67	1/4	2,702.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,229.76	1/2	3,976.51	1/2	3,723.26	1/2	3,426.81	1/2	3,061.05	1/2	2,695.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,224.48	3/4	3,971.23	3/4	3,717.99	3/4	3,419.19	3/4	3,053.43	3/4	2,687.67

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" GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-11" FORWARD OF AFT BULKHEAD

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



BARGE "MMI 3047"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-03 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	2,680.05	0	2,314.29	0	1,948.53	0	1,582.77	0	1,217.01	0	852.55	0	488.62	0	125.83	0		0	
1/4	2,672.43	1/4	2,306.67	1/4	1,940.91	1/4	1,575.15	1/4	1,209.39	1/4	844.99	1/4	481.02	1/4	118.47	1/4		1/4	
1/2	2,664.81	1/2	2,299.05	1/2	1,933.29	1/2	1,567.53	1/2	1,201.77	1/2	837.42	1/2	473.42	1/2	111.11	1/2		1/2	
3/4	2,657.19	3/4	2,291.43	3/4	1,925.67	3/4	1,559.91	3/4	1,194.15	3/4	829.85	3/4	465.82	3/4	103.75	3/4		3/4	
1	2,649.57	1	2,283.81	1	1,918.05	1	1,552.29	1	1,186.53	1	822.29	1	458.22	1	96.40	1		1	
1/4	2,641.95	1/4	2,276.19	1/4	1,910.43	1/4	1,544.67	1/4	1,178.91	1/4	814.72	1/4	450.62	1/4	89.04	1/4		1/4	
1/2	2,634.33	1/2	2,268.57	1/2	1,902.81	1/2	1,537.05	1/2	1,171.29	1/2	807.15	1/2	443.02	1/2	81.68	1/2		1/2	
3/4	2,626.71	3/4	2,260.95	3/4	1,895.19	3/4	1,529.43	3/4	1,163.67	3/4	799.59	3/4	435.42	3/4	74.32	3/4		3/4	
2	2,619.09	2	2,253.33	2	1,887.57	2	1,521.81	2	1,156.05	2	792.02	2	427.83	2	66.97	2		2	
1/4	2,611.47	1/4	2,245.71	1/4	1,879.95	1/4	1,514.19	1/4	1,148.43	1/4	784.46	1/4	420.23	1/4	59.61	1/4		1/4	
1/2	2,603.85	1/2	2,238.09	1/2	1,872.33	1/2	1,506.57	1/2	1,140.81	1/2	776.89	1/2	412.63	1/2	52.25	1/2		1/2	
3/4	2,596.23	3/4	2,230.47	3/4	1,864.71	3/4	1,498.95	3/4	1,133.19	3/4	769.32	3/4	405.03	3/4	46.25	3/4		3/4	
3	2,588.61	3	2,222.85	3	1,857.09	3	1,491.33	3	1,125.57	3	761.76	3	397.44	3	40.25	3		3	
1/4	2,580.99	1/4	2,215.23	1/4	1,849.47	1/4	1,483.71	1/4	1,117.95	1/4	754.19	1/4	389.84	1/4	34.25	1/4		1/4	
1/2	2,573.37	1/2	2,207.61	1/2	1,841.85	1/2	1,476.09	1/2	1,110.33	1/2	746.62	1/2	382.24	1/2	28.25	1/2		1/2	
3/4	2,565.75	3/4	2,199.99	3/4	1,834.23	3/4	1,468.47	3/4	1,102.71	3/4	739.06	3/4	374.64	3/4	24.00	3/4		3/4	
4	2,558.13	4	2,192.37	4	1,826.61	4	1,460.85	4	1,095.09	4	731.49	4	367.05	4		4		4	
1/4	2,550.51	1/4	2,184.75	1/4	1,818.99	1/4	1,453.23	1/4	1,087.47	1/4	723.93	1/4	359.45	1/4		1/4		1/4	
1/2	2,542.89	1/2	2,177.13	1/2	1,811.37	1/2	1,445.61	1/2	1,079.85	1/2	716.36	1/2	351.85	1/2		1/2		1/2	
3/4	2,535.27	3/4	2,169.51	3/4	1,803.75	3/4	1,437.99	3/4	1,072.23	3/4	708.80	3/4	344.25	3/4		3/4		3/4	
5	2,527.65	5	2,161.89	5	1,796.13	5	1,430.37	5	1,064.61	5	701.23	5	336.66	5		5		5	
1/4	2,520.03	1/4	2,154.27	1/4	1,788.51	1/4	1,422.75	1/4	1,056.99	1/4	693.67	1/4	329.06	1/4		1/4		1/4	
1/2	2,512.41	1/2	2,146.65	1/2	1,780.89	1/2	1,415.13	1/2	1,049.37	1/2	686.10	1/2	321.46	1/2		1/2		1/2	
3/4	2,504.79	3/4	2,139.03	3/4	1,773.27	3/4	1,407.51	3/4	1,041.78	3/4	678.52	3/4	313.86	3/4		3/4		3/4	
6	2,497.17	6	2,131.41	6	1,765.65	6	1,399.89	6	1,034.19	6	670.94	6	306.26	6		6		6	
1/4	2,489.55	1/4	2,123.79	1/4	1,758.03	1/4	1,392.27	1/4	1,026.59	1/4	663.35	1/4	298.66	1/4		1/4		1/4	
1/2	2,481.93	1/2	2,116.17	1/2	1,750.41	1/2	1,384.65	1/2	1,019.00	1/2	655.77	1/2	291.06	1/2		1/2		1/2	
3/4	2,474.31	3/4	2,108.55	3/4	1,742.79	3/4	1,377.03	3/4	1,011.44	3/4	648.17	3/4	283.46	3/4		3/4		3/4	
7	2,466.69	7	2,100.93	7	1,735.17	7	1,369.41	7	1,003.87	7	640.58	7	275.87	7		7		7	
1/4	2,459.07	1/4	2,093.31	1/4	1,727.55	1/4	1,361.79	1/4	996.31	1/4	632.98	1/4	268.27	1/4		1/4		1/4	
1/2	2,451.45	1/2	2,085.69	1/2	1,719.93	1/2	1,354.17	1/2	988.74	1/2	625.38	1/2	260.67	1/2		1/2		1/2	
3/4	2,443.83	3/4	2,078.07	3/4	1,712.31	3/4	1,346.55	3/4	981.17	3/4	617.78	3/4	253.07	3/4		3/4		3/4	
8	2,436.21	8	2,070.45	8	1,704.69	8	1,338.93	8	973.61	8	610.18	8	245.48	8		8		8	
1/4	2,428.59	1/4	2,062.83	1/4	1,697.07	1/4	1,331.31	1/4	966.04	1/4	602.58	1/4	237.88	1/4		1/4		1/4	
1/2	2,420.97	1/2	2,055.21	1/2	1,689.45	1/2	1,323.69	1/2	958.47	1/2	594.98	1/2	230.28	1/2		1/2		1/2	
3/4	2,413.35	3/4	2,047.59	3/4	1,681.83	3/4	1,316.07	3/4	950.91	3/4	587.38	3/4	222.68	3/4		3/4		3/4	
9	2,405.73	9	2,039.97	9	1,674.21	9	1,308.45	9	943.34	9	579.79	9	215.09	9		9		9	
1/4	2,398.11	1/4	2,032.35	1/4	1,666.59	1/4	1,300.83	1/4	935.78	1/4	572.19	1/4	207.49	1/4		1/4		1/4	
1/2	2,390.49	1/2	2,024.73	1/2	1,658.97	1/2	1,293.21	1/2	928.21	1/2	564.59	1/2	199.89	1/2		1/2		1/2	
3/4	2,382.87	3/4	2,017.11	3/4	1,651.35	3/4	1,285.59	3/4	920.64	3/4	556.99	3/4	192.41	3/4		3/4		3/4	
10	2,375.25	10	2,009.49	10	1,643.73	10	1,277.97	10	913.08	10	549.40	10	184.94	10		10		10	
1/4	2,367.63	1/4	2,001.87	1/4	1,636.11	1/4	1,270.35	1/4	905.51	1/4	541.80	1/4	177.46	1/4		1/4		1/4	
1/2	2,360.01	1/2	1,994.25	1/2	1,628.49	1/2	1,262.73	1/2	897.94	1/2	534.20	1/2	169.98	1/2		1/2		1/2	
3/4	2,352.39	3/4	1,986.63	3/4	1,620.87	3/4	1,255.11	3/4	890.38	3/4	526.60	3/4	162.62	3/4		3/4		3/4	
11	2,344.77	11	1,979.01	11	1,613.25	11	1,247.49	11	882.81	11	519.01	11	155.26	11		11		11	
1/4	2,337.15	1/4	1,971.39	1/4	1,605.63	1/4	1,239.87	1/4	875.25	1/4	511.41	1/4	147.90	1/4		1/4		1/4	
1/2	2,329.53	1/2	1,963.77	1/2	1,598.01	1/2	1,232.25	1/2	867.68	1/2	503.81	1/2	140.54	1/2		1/2		1/2	
3/4	2,321.91	3/4	1,956.15	3/4	1,590.39	3/4	1,224.63	3/4	860.12	3/4	496.21	3/4	133.18	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/08/2005 INS
RECALCULATED: 05/22/2020 CL
REPRINTED: 05/22/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

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



BARGE "MMI 3047"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-03 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	0	0	0	0	0	4,461.90	0	4,208.65	0	3,955.40	0	3,702.16	0	3,396.33	0	3,030.57
1/4		1/4		1/4		1/4		1/4	4,456.63	1/4	4,203.38	1/4	3,950.13	1/4	3,696.88	1/4	3,388.71	1/4	3,022.95
1/2		1/2		1/2		1/2		1/2	4,451.35	1/2	4,198.10	1/2	3,944.85	1/2	3,691.61	1/2	3,381.09	1/2	3,015.33
3/4		3/4		3/4		3/4		3/4	4,686.80	3/4	4,446.08	3/4	4,192.83	3/4	3,939.58	3/4	3,686.33	3/4	3,373.47
1	1	1	1	1	1	1	1	1	4,683.87	1	4,440.80	1	4,187.55	1	3,934.30	1	3,681.05	1	3,365.85
1/4		1/4		1/4		1/4		1/4	4,680.16	1/4	4,435.52	1/4	4,182.27	1/4	3,929.03	1/4	3,675.78	1/4	3,358.23
1/2		1/2		1/2		1/2		1/2	4,676.45	1/2	4,430.25	1/2	4,177.00	1/2	3,923.75	1/2	3,670.50	1/2	3,350.61
3/4		3/4		3/4		3/4		3/4	4,672.73	3/4	4,424.97	3/4	4,171.72	3/4	3,918.48	3/4	3,665.23	3/4	3,342.99
2	2	2	2	2	2	2	2	2	4,669.02	2	4,419.69	2	4,166.44	2	3,913.20	2	3,659.95	2	3,335.37
1/4		1/4		1/4		1/4		1/4	4,664.53	1/4	4,414.42	1/4	4,161.27	1/4	3,907.92	1/4	3,654.67	1/4	3,327.75
1/2		1/2		1/2		1/2		1/2	4,660.04	1/2	4,409.14	1/2	4,156.10	1/2	3,902.65	1/2	3,649.40	1/2	3,320.13
3/4		3/4		3/4		3/4		3/4	4,655.54	3/4	4,403.87	3/4	4,150.92	3/4	3,897.37	3/4	3,644.12	3/4	3,312.51
3	3	3	3	3	3	3	3	3	4,651.05	3	4,398.59	3	4,145.75	3	3,892.09	3	3,638.84	3	3,304.89
1/4		1/4		1/4		1/4		1/4	4,645.97	1/4	4,393.31	1/4	4,140.37	1/4	3,886.82	1/4	3,633.36	1/4	3,297.27
1/2		1/2		1/2		1/2		1/2	4,640.89	1/2	4,388.04	1/2	4,135.00	1/2	3,881.54	1/2	3,627.88	1/2	3,289.65
3/4		3/4		3/4		3/4		3/4	4,635.81	3/4	4,382.76	3/4	4,129.62	3/4	3,876.27	3/4	3,622.40	3/4	3,282.03
4	4	4	4	4	4	4	4	4	4,630.73	4	4,377.48	4	4,124.24	4	3,870.99	4	3,616.92	4	3,274.41
1/4		1/4		1/4		1/4		1/4	4,625.46	1/4	4,372.21	1/4	4,118.96	1/4	3,865.71	1/4	3,611.13	1/4	3,266.79
1/2		1/2		1/2		1/2		1/2	4,620.18	1/2	4,366.93	1/2	4,113.69	1/2	3,860.44	1/2	3,605.34	1/2	3,259.17
3/4		3/4		3/4		3/4		3/4	4,614.91	3/4	4,361.66	3/4	4,108.41	3/4	3,855.16	3/4	3,599.54	3/4	3,251.55
5	5	5	5	5	5	5	5	5	4,609.63	5	4,356.38	5	4,103.13	5	3,849.88	5	3,593.75	5	3,243.93
1/4		1/4		1/4		1/4		1/4	4,604.35	1/4	4,351.11	1/4	4,097.86	1/4	3,844.61	1/4	3,587.61	1/4	3,236.31
1/2		1/2		1/2		1/2		1/2	4,599.08	1/2	4,345.83	1/2	4,092.58	1/2	3,839.33	1/2	3,581.47	1/2	3,228.69
3/4		3/4		3/4		3/4		3/4	4,593.80	3/4	4,340.56	3/4	4,087.31	3/4	3,834.06	3/4	3,575.33	3/4	3,221.07
6	6	6	6	6	6	6	6	6	4,588.52	6	4,335.28	6	4,082.03	6	3,828.78	6	3,569.19	6	3,213.45
1/4		1/4		1/4		1/4		1/4	4,583.25	1/4	4,330.00	1/4	4,076.75	1/4	3,823.51	1/4	3,562.71	1/4	3,205.83
1/2		1/2		1/2		1/2		1/2	4,577.97	1/2	4,324.73	1/2	4,071.48	1/2	3,818.23	1/2	3,556.22	1/2	3,198.21
3/4		3/4		3/4		3/4		3/4	4,572.70	3/4	4,319.45	3/4	4,066.20	3/4	3,812.96	3/4	3,549.74	3/4	3,190.59
7	7	7	7	7	7	7	7	7	4,567.42	7	4,314.17	7	4,060.92	7	3,807.68	7	3,543.25	7	3,182.97
1/4		1/4		1/4		1/4		1/4	4,562.15	1/4	4,308.90	1/4	4,055.65	1/4	3,802.40	1/4	3,536.42	1/4	3,175.35
1/2		1/2		1/2		1/2		1/2	4,556.87	1/2	4,303.62	1/2	4,050.37	1/2	3,797.13	1/2	3,529.59	1/2	3,167.73
3/4		3/4		3/4		3/4		3/4	4,551.60	3/4	4,298.35	3/4	4,045.10	3/4	3,791.85	3/4	3,522.76	3/4	3,160.11
8	8	8	8	8	8	8	8	8	4,546.32	8	4,293.07	8	4,039.82	8	3,786.57	8	3,515.93	8	3,152.49
1/4		1/4		1/4		1/4		1/4	4,541.04	1/4	4,287.79	1/4	4,034.55	1/4	3,781.30	1/4	3,508.75	1/4	3,144.87
1/2		1/2		1/2		1/2		1/2	4,535.77	1/2	4,282.52	1/2	4,029.27	1/2	3,776.02	1/2	3,501.58	1/2	3,137.25
3/4		3/4		3/4		3/4		3/4	4,530.49	3/4	4,277.24	3/4	4,024.00	3/4	3,770.75	3/4	3,494.40	3/4	3,129.63
9	9	9	9	9	9	9	9	9	4,525.21	9	4,271.96	9	4,018.72	9	3,765.47	9	3,487.22	9	3,122.01
1/4		1/4		1/4		1/4		1/4	4,519.94	1/4	4,266.69	1/4	4,013.44	1/4	3,760.19	1/4	3,479.74	1/4	3,114.39
1/2		1/2		1/2		1/2		1/2	4,514.66	1/2	4,261.41	1/2	4,008.17	1/2	3,754.92	1/2	3,472.26	1/2	3,106.77
3/4		3/4		3/4		3/4		3/4	4,509.39	3/4	4,256.14	3/4	4,002.89	3/4	3,749.64	3/4	3,464.77	3/4	3,099.15
10	10	10	10	10	10	10	10	10	4,504.11	10	4,250.86	10	3,997.61	10	3,744.36	10	3,457.29	10	3,091.53
1/4		1/4		1/4		1/4		1/4	4,498.83	1/4	4,245.59	1/4	3,992.34	1/4	3,739.09	1/4	3,449.67	1/4	3,083.91
1/2		1/2		1/2		1/2		1/2	4,493.56	1/2	4,240.31	1/2	3,987.06	1/2	3,733.81	1/2	3,442.05	1/2	3,076.29
3/4		3/4		3/4		3/4		3/4	4,488.28	3/4	4,235.04	3/4	3,981.79	3/4	3,728.54	3/4	3,434.43	3/4	3,068.67
11	11	11	11	11	11	11	11	11	4,483.00	11	4,229.76	11	3,976.51	11	3,723.26	11	3,426.81	11	3,061.05
1/4		1/4		1/4		1/4		1/4	4,477.73	1/4	4,224.48	1/4	3,971.23	1/4	3,717.99	1/4	3,419.19	1/4	3,053.43
1/2		1/2		1/2		1/2		1/2	4,472.45	1/2	4,219.21	1/2	3,965.96	1/2	3,712.71	1/2	3,411.57	1/2	3,045.81
3/4		3/4		3/4		3/4		3/4	4,467.18	3/4	4,213.93	3/4	3,960.68	3/4	3,707.44	3/4	3,403.95	3/4	3,038.19

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" GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-11" FORWARD OF AFT BULKHEAD

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



BARGE "MMI 3047"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-03 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	2,664.81	0	2,299.05	0	1,933.29	0	1,567.53	0	1,201.77	0	837.42	0	473.42	0	111.11	0		0	
1/4	2,657.19	1/4	2,291.43	1/4	1,925.67	1/4	1,559.91	1/4	1,194.15	1/4	829.85	1/4	465.82	1/4	103.75	1/4		1/4	
1/2	2,649.57	1/2	2,283.81	1/2	1,918.05	1/2	1,552.29	1/2	1,186.53	1/2	822.29	1/2	458.22	1/2	96.40	1/2		1/2	
3/4	2,641.95	3/4	2,276.19	3/4	1,910.43	3/4	1,544.67	3/4	1,178.91	3/4	814.72	3/4	450.62	3/4	89.04	3/4		3/4	
1	2,634.33	1	2,268.57	1	1,902.81	1	1,537.05	1	1,171.29	1	807.15	1	443.02	1	81.68	1		1	
1/4	2,626.71	1/4	2,260.95	1/4	1,895.19	1/4	1,529.43	1/4	1,163.67	1/4	799.59	1/4	435.42	1/4	74.32	1/4		1/4	
1/2	2,619.09	1/2	2,253.33	1/2	1,887.57	1/2	1,521.81	1/2	1,156.05	1/2	792.02	1/2	427.83	1/2	66.97	1/2		1/2	
3/4	2,611.47	3/4	2,245.71	3/4	1,879.95	3/4	1,514.19	3/4	1,148.43	3/4	784.46	3/4	420.23	3/4	59.61	3/4		3/4	
2	2,603.85	2	2,238.09	2	1,872.33	2	1,506.57	2	1,140.81	2	776.89	2	412.63	2	52.25	2		2	
1/4	2,596.23	1/4	2,230.47	1/4	1,864.71	1/4	1,498.95	1/4	1,133.19	1/4	769.32	1/4	405.03	1/4	46.25	1/4		1/4	
1/2	2,588.61	1/2	2,222.85	1/2	1,857.09	1/2	1,491.33	1/2	1,125.57	1/2	761.76	1/2	397.44	1/2	40.25	1/2		1/2	
3/4	2,580.99	3/4	2,215.23	3/4	1,849.47	3/4	1,483.71	3/4	1,117.95	3/4	754.19	3/4	389.84	3/4	34.25	3/4		3/4	
3	2,573.37	3	2,207.61	3	1,841.85	3	1,476.09	3	1,110.33	3	746.62	3	382.24	3	28.25	3		3	
1/4	2,565.75	1/4	2,199.99	1/4	1,834.23	1/4	1,468.47	1/4	1,102.71	1/4	739.06	1/4	374.64	1/4	24.00	1/4		1/4	
1/2	2,558.13	1/2	2,192.37	1/2	1,826.61	1/2	1,460.85	1/2	1,095.09	1/2	731.49	1/2	367.05	1/2		1/2		1/2	
3/4	2,550.51	3/4	2,184.75	3/4	1,818.99	3/4	1,453.23	3/4	1,087.47	3/4	723.93	3/4	359.45	3/4		3/4		3/4	
4	2,542.89	4	2,177.13	4	1,811.37	4	1,445.61	4	1,079.85	4	716.36	4	351.85	4		4		4	
1/4	2,535.27	1/4	2,169.51	1/4	1,803.75	1/4	1,437.99	1/4	1,072.23	1/4	708.80	1/4	344.25	1/4		1/4		1/4	
1/2	2,527.65	1/2	2,161.89	1/2	1,796.13	1/2	1,430.37	1/2	1,064.61	1/2	701.23	1/2	336.66	1/2		1/2		1/2	
3/4	2,520.03	3/4	2,154.27	3/4	1,788.51	3/4	1,422.75	3/4	1,056.99	3/4	693.67	3/4	329.06	3/4		3/4		3/4	
5	2,512.41	5	2,146.65	5	1,780.89	5	1,415.13	5	1,049.37	5	686.10	5	321.46	5		5		5	
1/4	2,504.79	1/4	2,139.03	1/4	1,773.27	1/4	1,407.51	1/4	1,041.78	1/4	678.52	1/4	313.86	1/4		1/4		1/4	
1/2	2,497.17	1/2	2,131.41	1/2	1,765.65	1/2	1,399.89	1/2	1,034.19	1/2	670.94	1/2	306.26	1/2		1/2		1/2	
3/4	2,489.55	3/4	2,123.79	3/4	1,758.03	3/4	1,392.27	3/4	1,026.59	3/4	663.35	3/4	298.66	3/4		3/4		3/4	
6	2,481.93	6	2,116.17	6	1,750.41	6	1,384.65	6	1,019.00	6	655.77	6	291.06	6		6		6	
1/4	2,474.31	1/4	2,108.55	1/4	1,742.79	1/4	1,377.03	1/4	1,011.44	1/4	648.17	1/4	283.46	1/4		1/4		1/4	
1/2	2,466.69	1/2	2,100.93	1/2	1,735.17	1/2	1,369.41	1/2	1,003.87	1/2	640.58	1/2	275.87	1/2		1/2		1/2	
3/4	2,459.07	3/4	2,093.31	3/4	1,727.55	3/4	1,361.79	3/4	996.31	3/4	632.98	3/4	268.27	3/4		3/4		3/4	
7	2,451.45	7	2,085.69	7	1,719.93	7	1,354.17	7	988.74	7	625.38	7	260.67	7		7		7	
1/4	2,443.83	1/4	2,078.07	1/4	1,712.31	1/4	1,346.55	1/4	981.17	1/4	617.78	1/4	253.07	1/4		1/4		1/4	
1/2	2,436.21	1/2	2,070.45	1/2	1,704.69	1/2	1,338.93	1/2	973.61	1/2	610.18	1/2	245.48	1/2		1/2		1/2	
3/4	2,428.59	3/4	2,062.83	3/4	1,697.07	3/4	1,331.31	3/4	966.04	3/4	602.58	3/4	237.88	3/4		3/4		3/4	
8	2,420.97	8	2,055.21	8	1,689.45	8	1,323.69	8	958.47	8	594.98	8	230.28	8		8		8	
1/4	2,413.35	1/4	2,047.59	1/4	1,681.83	1/4	1,316.07	1/4	950.91	1/4	587.38	1/4	222.68	1/4		1/4		1/4	
1/2	2,405.73	1/2	2,039.97	1/2	1,674.21	1/2	1,308.45	1/2	943.34	1/2	579.79	1/2	215.09	1/2		1/2		1/2	
3/4	2,398.11	3/4	2,032.35	3/4	1,666.59	3/4	1,300.83	3/4	935.78	3/4	572.19	3/4	207.49	3/4		3/4		3/4	
9	2,390.49	9	2,024.73	9	1,658.97	9	1,293.21	9	928.21	9	564.59	9	199.89	9		9		9	
1/4	2,382.87	1/4	2,017.11	1/4	1,651.35	1/4	1,285.59	1/4	920.64	1/4	556.99	1/4	192.41	1/4		1/4		1/4	
1/2	2,375.25	1/2	2,009.49	1/2	1,643.73	1/2	1,277.97	1/2	913.08	1/2	549.40	1/2	184.94	1/2		1/2		1/2	
3/4	2,367.63	3/4	2,001.87	3/4	1,636.11	3/4	1,270.35	3/4	905.51	3/4	541.80	3/4	177.46	3/4		3/4		3/4	
10	2,360.01	10	1,994.25	10	1,628.49	10	1,262.73	10	897.94	10	534.20	10	169.98	10		10		10	
1/4	2,352.39	1/4	1,986.63	1/4	1,620.87	1/4	1,255.11	1/4	890.38	1/4	526.60	1/4	162.62	1/4		1/4		1/4	
1/2	2,344.77	1/2	1,979.01	1/2	1,613.25	1/2	1,247.49	1/2	882.81	1/2	519.01	1/2	155.26	1/2		1/2		1/2	
3/4	2,337.15	3/4	1,971.39	3/4	1,605.63	3/4	1,239.87	3/4	875.25	3/4	511.41	3/4	147.90	3/4		3/4		3/4	
11	2,329.53	11	1,963.77	11	1,598.01	11	1,232.25	11	867.68	11	503.81	11	140.54	11		11		11	
1/4	2,321.91	1/4	1,956.15	1/4	1,590.39	1/4	1,224.63	1/4	860.12	1/4	496.21	1/4	133.18	1/4		1/4		1/4	
1/2	2,314.29	1/2	1,948.53	1/2	1,582.77	1/2	1,217.01	1/2	852.55	1/2	488.62	1/2	125.83	1/2		1/2		1/2	
3/4	2,306.67	3/4	1,940.91	3/4	1,575.15	3/4	1,209.39	3/4	844.99	3/4	481.02	3/4	118.47	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/08/2005 INS
RECALCULATED: 05/22/2020 CL
REPRINTED: 05/22/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

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