



# BARGE "MMI 3045"

## 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	00-3/4	- 00-3/4	00-7/8	- 00-7/8
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	00-3/4	- 00-3/4	00-7/8	- 00-7/8
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	00-6/8	- 00-6/8	00-7/8	- 00-7/8
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	00-6/8	- 00-6/8	00-7/8	- 00-7/8
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	00-2/4	- 00-2/4	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	00-2/4	- 00-2/4	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 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 236'-00"

August 20, 2019

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "MMI 3045"

# 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-02 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,168.10	0	4,822.60	0	4,455.88	0	4,089.16	0	3,722.44	0	3,355.72	0	2,989.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,163.57	1/4	4,814.96	1/4	4,448.24	1/4	4,081.52	1/4	3,714.80	1/4	3,348.08	1/4	2,981.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,159.05	1/2	4,807.32	1/2	4,440.60	1/2	4,073.88	1/2	3,707.16	1/2	3,340.44	1/2	2,973.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,154.52	3/4	4,799.68	3/4	4,432.96	3/4	4,066.24	3/4	3,699.52	3/4	3,332.80	3/4	2,966.08
1	1	1	1	1	1	1	5,148.86	1	4,792.05	1	4,425.32	1	4,058.60	1	3,691.88	1	3,325.16	1	2,958.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,143.20	1/4	4,784.42	1/4	4,417.68	1/4	4,050.96	1/4	3,684.24	1/4	3,317.52	1/4	2,950.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,137.54	1/2	4,776.78	1/2	4,410.04	1/2	4,043.32	1/2	3,676.60	1/2	3,309.88	1/2	2,943.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,131.88	3/4	4,769.15	3/4	4,402.40	3/4	4,035.68	3/4	3,668.96	3/4	3,302.24	3/4	2,935.52
2	2	2	2	2	2	2	5,125.09	2	4,761.50	2	4,394.76	2	4,028.04	2	3,661.32	2	3,294.60	2	2,927.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,118.30	1/4	4,753.86	1/4	4,387.12	1/4	4,020.40	1/4	3,653.68	1/4	3,286.96	1/4	2,920.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,111.50	1/2	4,746.21	1/2	4,379.48	1/2	4,012.76	1/2	3,646.04	1/2	3,279.32	1/2	2,912.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,104.71	3/4	4,738.56	3/4	4,371.84	3/4	4,005.12	3/4	3,638.40	3/4	3,271.68	3/4	2,904.96
3	3	3	3	3	3	3	5,097.21	3	4,730.92	3	4,364.20	3	3,997.48	3	3,630.76	3	3,264.04	3	2,897.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,089.72	1/4	4,723.28	1/4	4,356.56	1/4	3,989.84	1/4	3,623.12	1/4	3,256.40	1/4	2,889.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,082.22	1/2	4,715.64	1/2	4,348.92	1/2	3,982.20	1/2	3,615.48	1/2	3,248.76	1/2	2,882.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,074.72	3/4	4,708.00	3/4	4,341.28	3/4	3,974.56	3/4	3,607.84	3/4	3,241.12	3/4	2,874.40
4	4	4	4	4	4	4	5,067.08	4	4,700.36	4	4,333.64	4	3,966.92	4	3,600.20	4	3,233.48	4	2,866.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,059.44	1/4	4,692.72	1/4	4,326.00	1/4	3,959.28	1/4	3,592.56	1/4	3,225.84	1/4	2,859.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,051.80	1/2	4,685.08	1/2	4,318.36	1/2	3,951.64	1/2	3,584.92	1/2	3,218.20	1/2	2,851.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,044.16	3/4	4,677.44	3/4	4,310.72	3/4	3,944.00	3/4	3,577.28	3/4	3,210.56	3/4	2,843.84
5	5	5	5	5	5	5	5,036.52	5	4,669.80	5	4,303.08	5	3,936.36	5	3,569.64	5	3,202.92	5	2,836.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,028.88	1/4	4,662.16	1/4	4,295.44	1/4	3,928.72	1/4	3,562.00	1/4	3,195.28	1/4	2,828.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,021.24	1/2	4,654.52	1/2	4,287.80	1/2	3,921.08	1/2	3,554.36	1/2	3,187.64	1/2	2,820.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,013.60	3/4	4,646.88	3/4	4,280.16	3/4	3,913.44	3/4	3,546.72	3/4	3,180.00	3/4	2,813.28
6	6	6	6	6	6	6	5,005.96	6	4,639.24	6	4,272.52	6	3,905.80	6	3,539.08	6	3,172.36	6	2,805.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,998.32	1/4	4,631.60	1/4	4,264.88	1/4	3,898.16	1/4	3,531.44	1/4	3,164.72	1/4	2,798.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,990.68	1/2	4,623.96	1/2	4,257.24	1/2	3,890.52	1/2	3,523.80	1/2	3,157.08	1/2	2,790.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,983.04	3/4	4,616.32	3/4	4,249.60	3/4	3,882.88	3/4	3,516.16	3/4	3,149.44	3/4	2,782.72
7	7	7	7	7	7	7	4,975.40	7	4,608.68	7	4,241.96	7	3,875.24	7	3,508.52	7	3,141.80	7	2,775.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,967.76	1/4	4,601.04	1/4	4,234.32	1/4	3,867.60	1/4	3,500.88	1/4	3,134.16	1/4	2,767.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,960.12	1/2	4,593.40	1/2	4,226.68	1/2	3,859.96	1/2	3,493.24	1/2	3,126.52	1/2	2,759.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,952.48	3/4	4,585.76	3/4	4,219.04	3/4	3,852.32	3/4	3,485.60	3/4	3,118.88	3/4	2,752.16
8	8	8	8	8	8	8	4,944.84	8	4,578.12	8	4,211.40	8	3,844.68	8	3,477.96	8	3,111.24	8	2,744.52
1/4	1/4	1/4	5,200.73	1/4	4,937.20	1/4	4,570.48	1/4	4,203.76	1/4	3,837.04	1/4	3,470.32	1/4	3,103.60	1/4	2,736.88		
1/2	1/2	1/2	5,200.31	1/2	4,929.56	1/2	4,562.84	1/2	4,196.12	1/2	3,829.40	1/2	3,462.68	1/2	3,095.96	1/2	2,729.24		
3/4	3/4	3/4	5,199.89	3/4	4,921.92	3/4	4,555.20	3/4	4,188.48	3/4	3,821.76	3/4	3,455.04	3/4	3,088.32	3/4	2,721.60		
9	9	9	5,198.73	9	4,914.28	9	4,547.56	9	4,180.84	9	3,814.12	9	3,447.40	9	3,080.68	9	2,713.96		
1/4	1/4	1/4	5,197.57	1/4	4,906.64	1/4	4,539.92	1/4	4,173.20	1/4	3,806.48	1/4	3,439.76	1/4	3,073.04	1/4	2,706.32		
1/2	1/2	1/2	5,196.40	1/2	4,899.00	1/2	4,532.28	1/2	4,165.56	1/2	3,798.84	1/2	3,432.12	1/2	3,065.40	1/2	2,698.68		
3/4	3/4	3/4	5,195.24	3/4	4,891.36	3/4	4,524.64	3/4	4,157.92	3/4	3,791.20	3/4	3,424.48	3/4	3,057.76	3/4	2,691.04		
10	10	10	5,192.98	10	4,883.72	10	4,517.00	10	4,150.28	10	3,783.56	10	3,416.84	10	3,050.12	10	2,683.40		
1/4	1/4	1/4	5,190.72	1/4	4,876.08	1/4	4,509.36	1/4	4,142.64	1/4	3,775.92	1/4	3,409.20	1/4	3,042.48	1/4	2,675.76		
1/2	1/2	1/2	5,188.45	1/2	4,868.44	1/2	4,501.72	1/2	4,135.00	1/2	3,768.28	1/2	3,401.56	1/2	3,034.84	1/2	2,668.12		
3/4	3/4	3/4	5,186.19	3/4	4,860.80	3/4	4,494.08	3/4	4,127.36	3/4	3,760.64	3/4	3,393.92	3/4	3,027.20	3/4	2,660.48		
11	11	11	5,182.80	11	4,853.16	11	4,486.44	11	4,119.72	11	3,753.00	11	3,386.28	11	3,019.56	11	2,652.84		
1/4	1/4	1/4	5,179.41	1/4	4,845.52	1/4	4,478.80	1/4	4,112.08	1/4	3,745.36	1/4	3,378.64	1/4	3,011.92	1/4	2,645.20		
1/2	1/2	1/2	5,176.01	1/2	4,837.88	1/2	4,471.16	1/2	4,104.44	1/2	3,737.72	1/2	3,371.00	1/2	3,004.28	1/2	2,637.56		
3/4	3/4	3/4	5,172.62	3/4	4,830.24	3/4	4,463.52	3/4	4,096.80	3/4	3,730.08	3/4	3,363.36	3/4	2,996.64	3/4	2,629.92		

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 46'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "MMI 3045"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,622.28	0	2,255.56	0	1,888.84	0	1,522.12	0	1,155.40	0	788.68	0	423.21	0	84.86	0		0	
1/4	2,614.64	1/4	2,247.92	1/4	1,881.20	1/4	1,514.48	1/4	1,147.76	1/4	781.04	1/4	415.75	1/4	78.51	1/4		1/4	
1/2	2,607.00	1/2	2,240.28	1/2	1,873.56	1/2	1,506.84	1/2	1,140.12	1/2	773.40	1/2	408.30	1/2	72.17	1/2		1/2	
3/4	2,599.36	3/4	2,232.64	3/4	1,865.92	3/4	1,499.20	3/4	1,132.48	3/4	765.76	3/4	400.85	3/4	65.82	3/4		3/4	
1	2,591.72	1	2,225.00	1	1,858.28	1	1,491.56	1	1,124.84	1	758.12	1	393.49	1	59.68	1		1	
1/4	2,584.08	1/4	2,217.36	1/4	1,850.64	1/4	1,483.92	1/4	1,117.20	1/4	750.48	1/4	386.13	1/4	53.53	1/4		1/4	
1/2	2,576.44	1/2	2,209.72	1/2	1,843.00	1/2	1,476.28	1/2	1,109.56	1/2	742.84	1/2	378.77	1/2	47.39	1/2		1/2	
3/4	2,568.80	3/4	2,202.08	3/4	1,835.36	3/4	1,468.64	3/4	1,101.92	3/4	735.20	3/4	371.41	3/4	41.25	3/4		3/4	
2	2,561.16	2	2,194.44	2	1,827.72	2	1,461.00	2	1,094.28	2	727.56	2	364.08	2	36.43	2		2	
1/4	2,553.52	1/4	2,186.80	1/4	1,820.08	1/4	1,453.36	1/4	1,086.64	1/4	719.92	1/4	356.75	1/4	31.61	1/4		1/4	
1/2	2,545.88	1/2	2,179.16	1/2	1,812.44	1/2	1,445.72	1/2	1,079.00	1/2	712.28	1/2	349.43	1/2	26.79	1/2		1/2	
3/4	2,538.24	3/4	2,171.52	3/4	1,804.80	3/4	1,438.08	3/4	1,071.36	3/4	704.64	3/4	342.10	3/4		3/4		3/4	
3	2,530.60	3	2,163.88	3	1,797.16	3	1,430.44	3	1,063.72	3	697.00	3	334.86	3		3		3	
1/4	2,522.96	1/4	2,156.24	1/4	1,789.52	1/4	1,422.80	1/4	1,056.08	1/4	689.36	1/4	327.63	1/4		1/4		1/4	
1/2	2,515.32	1/2	2,148.60	1/2	1,781.88	1/2	1,415.16	1/2	1,048.44	1/2	681.72	1/2	320.39	1/2		1/2		1/2	
3/4	2,507.68	3/4	2,140.96	3/4	1,774.24	3/4	1,407.52	3/4	1,040.80	3/4	674.08	3/4	313.16	3/4		3/4		3/4	
4	2,500.04	4	2,133.32	4	1,766.60	4	1,399.88	4	1,033.16	4	666.44	4	305.95	4		4		4	
1/4	2,492.40	1/4	2,125.68	1/4	1,758.96	1/4	1,392.24	1/4	1,025.52	1/4	658.80	1/4	298.75	1/4		1/4		1/4	
1/2	2,484.76	1/2	2,118.04	1/2	1,751.32	1/2	1,384.60	1/2	1,017.88	1/2	651.16	1/2	291.54	1/2		1/2		1/2	
3/4	2,477.12	3/4	2,110.40	3/4	1,743.68	3/4	1,376.96	3/4	1,010.24	3/4	643.52	3/4	284.34	3/4		3/4		3/4	
5	2,469.48	5	2,102.76	5	1,736.04	5	1,369.32	5	1,002.60	5	635.88	5	277.23	5		5		5	
1/4	2,461.84	1/4	2,095.12	1/4	1,728.40	1/4	1,361.68	1/4	994.96	1/4	628.24	1/4	270.12	1/4		1/4		1/4	
1/2	2,454.20	1/2	2,087.48	1/2	1,720.76	1/2	1,354.04	1/2	987.32	1/2	620.60	1/2	263.02	1/2		1/2		1/2	
3/4	2,446.56	3/4	2,079.84	3/4	1,713.12	3/4	1,346.40	3/4	979.68	3/4	612.96	3/4	255.91	3/4		3/4		3/4	
6	2,438.92	6	2,072.20	6	1,705.48	6	1,338.76	6	972.04	6	605.32	6	248.83	6		6		6	
1/4	2,431.28	1/4	2,064.56	1/4	1,697.84	1/4	1,331.12	1/4	964.40	1/4	597.68	1/4	241.75	1/4		1/4		1/4	
1/2	2,423.64	1/2	2,056.92	1/2	1,690.20	1/2	1,323.48	1/2	956.76	1/2	590.04	1/2	234.67	1/2		1/2		1/2	
3/4	2,416.00	3/4	2,049.28	3/4	1,682.56	3/4	1,315.84	3/4	949.12	3/4	582.40	3/4	227.59	3/4		3/4		3/4	
7	2,408.36	7	2,041.64	7	1,674.92	7	1,308.20	7	941.48	7	574.76	7	220.60	7		7		7	
1/4	2,400.72	1/4	2,034.00	1/4	1,667.28	1/4	1,300.56	1/4	933.84	1/4	567.12	1/4	213.62	1/4		1/4		1/4	
1/2	2,393.08	1/2	2,026.36	1/2	1,659.64	1/2	1,292.92	1/2	926.20	1/2	559.48	1/2	206.63	1/2		1/2		1/2	
3/4	2,385.44	3/4	2,018.72	3/4	1,652.00	3/4	1,285.28	3/4	918.56	3/4	551.84	3/4	199.65	3/4		3/4		3/4	
8	2,377.80	8	2,011.08	8	1,644.36	8	1,277.64	8	910.92	8	544.20	8	192.70	8		8		8	
1/4	2,370.16	1/4	2,003.44	1/4	1,636.72	1/4	1,270.00	1/4	903.28	1/4	536.56	1/4	185.74	1/4		1/4		1/4	
1/2	2,362.52	1/2	1,995.80	1/2	1,629.08	1/2	1,262.36	1/2	895.64	1/2	528.92	1/2	178.79	1/2		1/2		1/2	
3/4	2,354.88	3/4	1,988.16	3/4	1,621.44	3/4	1,254.72	3/4	888.00	3/4	521.28	3/4	171.84	3/4		3/4		3/4	
9	2,347.24	9	1,980.52	9	1,613.80	9	1,247.08	9	880.36	9	513.68	9	164.98	9		9		9	
1/4	2,339.60	1/4	1,972.88	1/4	1,606.16	1/4	1,239.44	1/4	872.72	1/4	506.09	1/4	158.11	1/4		1/4		1/4	
1/2	2,331.96	1/2	1,965.24	1/2	1,598.52	1/2	1,231.80	1/2	865.08	1/2	498.49	1/2	151.25	1/2		1/2		1/2	
3/4	2,324.32	3/4	1,957.60	3/4	1,590.88	3/4	1,224.16	3/4	857.44	3/4	490.90	3/4	144.39	3/4		3/4		3/4	
10	2,316.68	10	1,949.96	10	1,583.24	10	1,216.52	10	849.80	10	483.32	10	137.56	10		10		10	
1/4	2,309.04	1/4	1,942.32	1/4	1,575.60	1/4	1,208.88	1/4	842.16	1/4	475.74	1/4	130.73	1/4		1/4		1/4	
1/2	2,301.40	1/2	1,934.68	1/2	1,567.96	1/2	1,201.24	1/2	834.52	1/2	468.17	1/2	123.90	1/2		1/2		1/2	
3/4	2,293.76	3/4	1,927.04	3/4	1,560.32	3/4	1,193.60	3/4	826.88	3/4	460.59	3/4	117.07	3/4		3/4		3/4	
11	2,286.12	11	1,919.40	11	1,552.68	11	1,185.96	11	819.24	11	453.11	11	110.60	11		11		11	
1/4	2,278.48	1/4	1,911.76	1/4	1,545.04	1/4	1,178.32	1/4	811.60	1/4	445.62	1/4	104.14	1/4		1/4		1/4	
1/2	2,270.84	1/2	1,904.12	1/2	1,537.40	1/2	1,170.68	1/2	803.96	1/2	438.14	1/2	97.67	1/2		1/2		1/2	
3/4	2,263.20	3/4	1,896.48	3/4	1,529.76	3/4	1,163.04	3/4	796.32	3/4	430.66	3/4	91.21	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/04/2004 INS  
RECALCULATED: 08/20/2019 SW  
REPRINTED: 08/21/2019 SW

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019





# BARGE "MMI 3045"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	5,172.62	0	4,830.24	0	4,463.52	0	4,096.80	0	3,730.08	0	3,363.36	0	2,996.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,168.10	1/4	4,822.60	1/4	4,455.88	1/4	4,089.16	1/4	3,722.44	1/4	3,355.72	1/4	2,989.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,163.57	1/2	4,814.96	1/2	4,448.24	1/2	4,081.52	1/2	3,714.80	1/2	3,348.08	1/2	2,981.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,159.05	3/4	4,807.32	3/4	4,440.60	3/4	4,073.88	3/4	3,707.16	3/4	3,340.44	3/4	2,973.72		
1		1		1		1	5,154.52	1	4,799.68	1	4,432.96	1	4,066.24	1	3,699.52	1	3,332.80	1	2,966.08		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,148.86	1/4	4,792.05	1/4	4,425.32	1/4	4,058.60	1/4	3,691.88	1/4	3,325.16	1/4	2,958.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,143.20	1/2	4,784.42	1/2	4,417.68	1/2	4,050.96	1/2	3,684.24	1/2	3,317.52	1/2	2,950.80		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,137.54	3/4	4,776.78	3/4	4,410.04	3/4	4,043.32	3/4	3,676.60	3/4	3,309.88	3/4	2,943.16		
2		2		2		2	5,131.88	2	4,769.15	2	4,402.40	2	4,035.68	2	3,668.96	2	3,302.24	2	2,935.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,125.09	1/4	4,761.50	1/4	4,394.76	1/4	4,028.04	1/4	3,661.32	1/4	3,294.60	1/4	2,927.88		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,118.30	1/2	4,753.86	1/2	4,387.12	1/2	4,020.40	1/2	3,653.68	1/2	3,286.96	1/2	2,920.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,111.50	3/4	4,746.21	3/4	4,379.48	3/4	4,012.76	3/4	3,646.04	3/4	3,279.32	3/4	2,912.60		
3		3		3		3	5,104.71	3	4,738.56	3	4,371.84	3	4,005.12	3	3,638.40	3	3,271.68	3	2,904.96		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,097.21	1/4	4,730.92	1/4	4,364.20	1/4	3,997.48	1/4	3,630.76	1/4	3,264.04	1/4	2,897.32		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,089.72	1/2	4,723.28	1/2	4,356.56	1/2	3,989.84	1/2	3,623.12	1/2	3,256.40	1/2	2,889.68		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,082.22	3/4	4,715.64	3/4	4,348.92	3/4	3,982.20	3/4	3,615.48	3/4	3,248.76	3/4	2,882.04		
4		4		4		4	5,074.72	4	4,708.00	4	4,341.28	4	3,974.56	4	3,607.84	4	3,241.12	4	2,874.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,067.08	1/4	4,700.36	1/4	4,333.64	1/4	3,966.92	1/4	3,600.20	1/4	3,233.48	1/4	2,866.76		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,059.44	1/2	4,692.72	1/2	4,326.00	1/2	3,959.28	1/2	3,592.56	1/2	3,225.84	1/2	2,859.12		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,051.80	3/4	4,685.08	3/4	4,318.36	3/4	3,951.64	3/4	3,584.92	3/4	3,218.20	3/4	2,851.48		
5		5		5		5	5,044.16	5	4,677.44	5	4,310.72	5	3,944.00	5	3,577.28	5	3,210.56	5	2,843.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,036.52	1/4	4,669.80	1/4	4,303.08	1/4	3,936.36	1/4	3,569.64	1/4	3,202.92	1/4	2,836.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,028.88	1/2	4,662.16	1/2	4,295.44	1/2	3,928.72	1/2	3,562.00	1/2	3,195.28	1/2	2,828.56		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,021.24	3/4	4,654.52	3/4	4,287.80	3/4	3,921.08	3/4	3,554.36	3/4	3,187.64	3/4	2,820.92		
6		6		6		6	5,013.60	6	4,646.88	6	4,280.16	6	3,913.44	6	3,546.72	6	3,180.00	6	2,813.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,005.96	1/4	4,639.24	1/4	4,272.52	1/4	3,905.80	1/4	3,539.08	1/4	3,172.36	1/4	2,805.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,998.32	1/2	4,631.60	1/2	4,264.88	1/2	3,898.16	1/2	3,531.44	1/2	3,164.72	1/2	2,798.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,990.68	3/4	4,623.96	3/4	4,257.24	3/4	3,890.52	3/4	3,523.80	3/4	3,157.08	3/4	2,790.36		
7		7		7		7	4,983.04	7	4,616.32	7	4,249.60	7	3,882.88	7	3,516.16	7	3,149.44	7	2,782.72		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,975.40	1/4	4,608.68	1/4	4,241.96	1/4	3,875.24	1/4	3,508.52	1/4	3,141.80	1/4	2,775.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,967.76	1/2	4,601.04	1/2	4,234.32	1/2	3,867.60	1/2	3,500.88	1/2	3,134.16	1/2	2,767.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,960.12	3/4	4,593.40	3/4	4,226.68	3/4	3,859.96	3/4	3,493.24	3/4	3,126.52	3/4	2,759.80		
8		8		8		8	4,952.48	8	4,585.76	8	4,219.04	8	3,852.32	8	3,485.60	8	3,118.88	8	2,752.16		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,944.84	1/4	4,578.12	1/4	4,211.40	1/4	3,844.68	1/4	3,477.96	1/4	3,111.24	1/4	2,744.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,200.73	1/2	4,937.20	1/2	4,570.48	1/2	4,203.76	1/2	3,837.04	1/2	3,470.32	1/2	3,103.60	1/2	2,736.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,200.31	3/4	4,929.56	3/4	4,562.84	3/4	4,196.12	3/4	3,829.40	3/4	3,462.68	3/4	3,095.96	3/4	2,729.24
9		9		9		9	5,199.89	9	4,921.92	9	4,555.20	9	4,188.48	9	3,821.76	9	3,455.04	9	3,088.32	9	2,721.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,198.73	1/4	4,914.28	1/4	4,547.56	1/4	4,180.84	1/4	3,814.12	1/4	3,447.40	1/4	3,080.68	1/4	2,713.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,197.57	1/2	4,906.64	1/2	4,539.92	1/2	4,173.20	1/2	3,806.48	1/2	3,439.76	1/2	3,073.04	1/2	2,706.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,196.40	3/4	4,899.00	3/4	4,532.28	3/4	4,165.56	3/4	3,798.84	3/4	3,432.12	3/4	3,065.40	3/4	2,698.68
10		10		10		10	5,195.24	10	4,891.36	10	4,524.64	10	4,157.92	10	3,791.20	10	3,424.48	10	3,057.76	10	2,691.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,192.98	1/4	4,883.72	1/4	4,517.00	1/4	4,150.28	1/4	3,783.56	1/4	3,416.84	1/4	3,050.12	1/4	2,683.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,190.72	1/2	4,876.08	1/2	4,509.36	1/2	4,142.64	1/2	3,775.92	1/2	3,409.20	1/2	3,042.48	1/2	2,675.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,188.45	3/4	4,868.44	3/4	4,501.72	3/4	4,135.00	3/4	3,768.28	3/4	3,401.56	3/4	3,034.84	3/4	2,668.12
11		11		11		11	5,186.19	11	4,860.80	11	4,494.08	11	4,127.36	11	3,760.64	11	3,393.92	11	3,027.20	11	2,660.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,182.80	1/4	4,853.16	1/4	4,486.44	1/4	4,119.72	1/4	3,753.00	1/4	3,386.28	1/4	3,019.56	1/4	2,652.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,179.41	1/2	4,845.52	1/2	4,478.80	1/2	4,112.08	1/2	3,745.36	1/2	3,378.64	1/2	3,011.92	1/2	2,645.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,176.01	3/4	4,837.88	3/4	4,471.16	3/4	4,104.44	3/4	3,737.72	3/4	3,371.00	3/4	3,004.28	3/4	2,637.56

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 46'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "MMI 3045"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-02 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	2,629.92	0	2,263.20	0	1,896.48	0	1,529.76	0	1,163.04	0	796.32	0	430.66	0	91.21	0		0	
1/4	2,622.28	1/4	2,255.56	1/4	1,888.84	1/4	1,522.12	1/4	1,155.40	1/4	788.68	1/4	423.21	1/4	84.86	1/4		1/4	
1/2	2,614.64	1/2	2,247.92	1/2	1,881.20	1/2	1,514.48	1/2	1,147.76	1/2	781.04	1/2	415.75	1/2	78.51	1/2		1/2	
3/4	2,607.00	3/4	2,240.28	3/4	1,873.56	3/4	1,506.84	3/4	1,140.12	3/4	773.40	3/4	408.30	3/4	72.17	3/4		3/4	
1	2,599.36	1	2,232.64	1	1,865.92	1	1,499.20	1	1,132.48	1	765.76	1	400.85	1	65.82	1		1	
1/4	2,591.72	1/4	2,225.00	1/4	1,858.28	1/4	1,491.56	1/4	1,124.84	1/4	758.12	1/4	393.49	1/4	59.68	1/4		1/4	
1/2	2,584.08	1/2	2,217.36	1/2	1,850.64	1/2	1,483.92	1/2	1,117.20	1/2	750.48	1/2	386.13	1/2	53.53	1/2		1/2	
3/4	2,576.44	3/4	2,209.72	3/4	1,843.00	3/4	1,476.28	3/4	1,109.56	3/4	742.84	3/4	378.77	3/4	47.39	3/4		3/4	
2	2,568.80	2	2,202.08	2	1,835.36	2	1,468.64	2	1,101.92	2	735.20	2	371.41	2	41.25	2		2	
1/4	2,561.16	1/4	2,194.44	1/4	1,827.72	1/4	1,461.00	1/4	1,094.28	1/4	727.56	1/4	364.08	1/4	36.43	1/4		1/4	
1/2	2,553.52	1/2	2,186.80	1/2	1,820.08	1/2	1,453.36	1/2	1,086.64	1/2	719.92	1/2	356.75	1/2	31.61	1/2		1/2	
3/4	2,545.88	3/4	2,179.16	3/4	1,812.44	3/4	1,445.72	3/4	1,079.00	3/4	712.28	3/4	349.43	3/4	26.79	3/4		3/4	
3	2,538.24	3	2,171.52	3	1,804.80	3	1,438.08	3	1,071.36	3	704.64	3	342.10	3		3		3	
1/4	2,530.60	1/4	2,163.88	1/4	1,797.16	1/4	1,430.44	1/4	1,063.72	1/4	697.00	1/4	334.86	1/4		1/4		1/4	
1/2	2,522.96	1/2	2,156.24	1/2	1,789.52	1/2	1,422.80	1/2	1,056.08	1/2	689.36	1/2	327.63	1/2		1/2		1/2	
3/4	2,515.32	3/4	2,148.60	3/4	1,781.88	3/4	1,415.16	3/4	1,048.44	3/4	681.72	3/4	320.39	3/4		3/4		3/4	
4	2,507.68	4	2,140.96	4	1,774.24	4	1,407.52	4	1,040.80	4	674.08	4	313.16	4		4		4	
1/4	2,500.04	1/4	2,133.32	1/4	1,766.60	1/4	1,399.88	1/4	1,033.16	1/4	666.44	1/4	305.95	1/4		1/4		1/4	
1/2	2,492.40	1/2	2,125.68	1/2	1,758.96	1/2	1,392.24	1/2	1,025.52	1/2	658.80	1/2	298.75	1/2		1/2		1/2	
3/4	2,484.76	3/4	2,118.04	3/4	1,751.32	3/4	1,384.60	3/4	1,017.88	3/4	651.16	3/4	291.54	3/4		3/4		3/4	
5	2,477.12	5	2,110.40	5	1,743.68	5	1,376.96	5	1,010.24	5	643.52	5	284.34	5		5		5	
1/4	2,469.48	1/4	2,102.76	1/4	1,736.04	1/4	1,369.32	1/4	1,002.60	1/4	635.88	1/4	277.23	1/4		1/4		1/4	
1/2	2,461.84	1/2	2,095.12	1/2	1,728.40	1/2	1,361.68	1/2	994.96	1/2	628.24	1/2	270.12	1/2		1/2		1/2	
3/4	2,454.20	3/4	2,087.48	3/4	1,720.76	3/4	1,354.04	3/4	987.32	3/4	620.60	3/4	263.02	3/4		3/4		3/4	
6	2,446.56	6	2,079.84	6	1,713.12	6	1,346.40	6	979.68	6	612.96	6	255.91	6		6		6	
1/4	2,438.92	1/4	2,072.20	1/4	1,705.48	1/4	1,338.76	1/4	972.04	1/4	605.32	1/4	248.83	1/4		1/4		1/4	
1/2	2,431.28	1/2	2,064.56	1/2	1,697.84	1/2	1,331.12	1/2	964.40	1/2	597.68	1/2	241.75	1/2		1/2		1/2	
3/4	2,423.64	3/4	2,056.92	3/4	1,690.20	3/4	1,323.48	3/4	956.76	3/4	590.04	3/4	234.67	3/4		3/4		3/4	
7	2,416.00	7	2,049.28	7	1,682.56	7	1,315.84	7	949.12	7	582.40	7	227.59	7		7		7	
1/4	2,408.36	1/4	2,041.64	1/4	1,674.92	1/4	1,308.20	1/4	941.48	1/4	574.76	1/4	220.60	1/4		1/4		1/4	
1/2	2,400.72	1/2	2,034.00	1/2	1,667.28	1/2	1,300.56	1/2	933.84	1/2	567.12	1/2	213.62	1/2		1/2		1/2	
3/4	2,393.08	3/4	2,026.36	3/4	1,659.64	3/4	1,292.92	3/4	926.20	3/4	559.48	3/4	206.63	3/4		3/4		3/4	
8	2,385.44	8	2,018.72	8	1,652.00	8	1,285.28	8	918.56	8	551.84	8	199.65	8		8		8	
1/4	2,377.80	1/4	2,011.08	1/4	1,644.36	1/4	1,277.64	1/4	910.92	1/4	544.20	1/4	192.70	1/4		1/4		1/4	
1/2	2,370.16	1/2	2,003.44	1/2	1,636.72	1/2	1,270.00	1/2	903.28	1/2	536.56	1/2	185.74	1/2		1/2		1/2	
3/4	2,362.52	3/4	1,995.80	3/4	1,629.08	3/4	1,262.36	3/4	895.64	3/4	528.92	3/4	178.79	3/4		3/4		3/4	
9	2,354.88	9	1,988.16	9	1,621.44	9	1,254.72	9	888.00	9	521.28	9	171.84	9		9		9	
1/4	2,347.24	1/4	1,980.52	1/4	1,613.80	1/4	1,247.08	1/4	880.36	1/4	513.68	1/4	164.98	1/4		1/4		1/4	
1/2	2,339.60	1/2	1,972.88	1/2	1,606.16	1/2	1,239.44	1/2	872.72	1/2	506.09	1/2	158.11	1/2		1/2		1/2	
3/4	2,331.96	3/4	1,965.24	3/4	1,598.52	3/4	1,231.80	3/4	865.08	3/4	498.49	3/4	151.25	3/4		3/4		3/4	
10	2,324.32	10	1,957.60	10	1,590.88	10	1,224.16	10	857.44	10	490.90	10	144.39	10		10		10	
1/4	2,316.68	1/4	1,949.96	1/4	1,583.24	1/4	1,216.52	1/4	849.80	1/4	483.32	1/4	137.56	1/4		1/4		1/4	
1/2	2,309.04	1/2	1,942.32	1/2	1,575.60	1/2	1,208.88	1/2	842.16	1/2	475.74	1/2	130.73	1/2		1/2		1/2	
3/4	2,301.40	3/4	1,934.68	3/4	1,567.96	3/4	1,201.24	3/4	834.52	3/4	468.17	3/4	123.90	3/4		3/4		3/4	
11	2,293.76	11	1,927.04	11	1,560.32	11	1,193.60	11	826.88	11	460.59	11	117.07	11		11		11	
1/4	2,286.12	1/4	1,919.40	1/4	1,552.68	1/4	1,185.96	1/4	819.24	1/4	453.11	1/4	110.60	1/4		1/4		1/4	
1/2	2,278.48	1/2	1,911.76	1/2	1,545.04	1/2	1,178.32	1/2	811.60	1/2	445.62	1/2	104.14	1/2		1/2		1/2	
3/4	2,270.84	3/4	1,904.12	3/4	1,537.40	3/4	1,170.68	3/4	803.96	3/4	438.14	3/4	97.67	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/04/2004 INS  
RECALCULATED: 08/20/2019 SW  
REPRINTED: 08/21/2019 SW

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.dmacorp.net>



CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019



# BARGE "MMI 3045"

## 2 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	4,902.59	0	4,594.01	0	4,250.00	0	3,905.56	0	3,561.11	0	3,216.66	0	2,872.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,899.39	1/4	4,586.87	1/4	4,242.83	1/4	3,898.38	1/4	3,553.93	1/4	3,209.49	1/4	2,865.04		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,896.20	1/2	4,579.72	1/2	4,235.65	1/2	3,891.21	1/2	3,546.76	1/2	3,202.31	1/2	2,857.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,893.00	3/4	4,572.58	3/4	4,228.48	3/4	3,884.03	3/4	3,539.58	3/4	3,195.14	3/4	2,850.69		
1	1	1	1	1	1	1	4,888.74	1	4,565.43	1	4,221.30	1	3,876.85	1	3,532.40	1	3,187.96	1	2,843.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,884.48	1/4	4,558.29	1/4	4,214.13	1/4	3,869.68	1/4	3,525.23	1/4	3,180.78	1/4	2,836.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,880.22	1/2	4,551.14	1/2	4,206.95	1/2	3,862.50	1/2	3,518.05	1/2	3,173.61	1/2	2,829.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,875.96	3/4	4,544.00	3/4	4,199.78	3/4	3,855.33	3/4	3,510.88	3/4	3,166.43	3/4	2,821.98		
2	2	2	2	2	2	2	4,870.63	2	4,536.85	2	4,192.60	2	3,848.15	2	3,503.70	2	3,159.25	2	2,814.80		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,865.31	1/4	4,529.71	1/4	4,185.42	1/4	3,840.97	1/4	3,496.53	1/4	3,152.08	1/4	2,807.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,859.98	1/2	4,522.56	1/2	4,178.25	1/2	3,833.80	1/2	3,489.35	1/2	3,144.90	1/2	2,800.45		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,854.65	3/4	4,515.42	3/4	4,171.07	3/4	3,826.62	3/4	3,482.18	3/4	3,137.73	3/4	2,793.28		
3	3	3	3	3	3	3	4,848.30	3	4,508.27	3	4,163.89	3	3,819.44	3	3,475.00	3	3,130.55	3	2,786.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,841.94	1/4	4,501.12	1/4	4,156.72	1/4	3,812.27	1/4	3,467.82	1/4	3,123.37	1/4	2,778.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,835.59	1/2	4,493.97	1/2	4,149.54	1/2	3,805.09	1/2	3,460.65	1/2	3,116.20	1/2	2,771.75		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,829.23	3/4	4,486.82	3/4	4,142.37	3/4	3,797.92	3/4	3,453.47	3/4	3,109.02	3/4	2,764.58		
4	4	4	4	4	4	4	4,822.22	4	4,479.64	4	4,135.19	4	3,790.74	4	3,446.29	4	3,101.84	4	2,757.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,815.21	1/4	4,472.46	1/4	4,128.01	1/4	3,783.57	1/4	3,439.12	1/4	3,094.67	1/4	2,750.22		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,808.19	1/2	4,465.29	1/2	4,120.84	1/2	3,776.39	1/2	3,431.94	1/2	3,087.49	1/2	2,743.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,801.18	3/4	4,458.11	3/4	4,113.66	3/4	3,769.22	3/4	3,424.77	3/4	3,080.32	3/4	2,735.87		
5	5	5	5	5	5	5	4,794.04	5	4,450.93	5	4,106.48	5	3,762.04	5	3,417.59	5	3,073.14	5	2,728.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,786.90	1/4	4,443.76	1/4	4,099.31	1/4	3,754.86	1/4	3,410.41	1/4	3,065.97	1/4	2,721.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,779.75	1/2	4,436.58	1/2	4,092.13	1/2	3,747.69	1/2	3,403.24	1/2	3,058.79	1/2	2,714.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,772.61	3/4	4,429.41	3/4	4,084.96	3/4	3,740.51	3/4	3,396.06	3/4	3,051.62	3/4	2,707.17		
6	6	6	6	6	6	6	4,765.47	6	4,422.23	6	4,077.78	6	3,733.33	6	3,388.88	6	3,044.44	6	2,699.99		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,758.32	1/4	4,415.05	1/4	4,070.61	1/4	3,726.16	1/4	3,381.71	1/4	3,037.26	1/4	2,692.81		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,751.18	1/2	4,407.88	1/2	4,063.43	1/2	3,718.98	1/2	3,374.53	1/2	3,030.09	1/2	2,685.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,744.03	3/4	4,400.70	3/4	4,056.26	3/4	3,711.81	3/4	3,367.36	3/4	3,022.91	3/4	2,678.46		
7	7	7	7	7	7	7	4,736.89	7	4,393.52	7	4,049.08	7	3,704.63	7	3,360.18	7	3,015.73	7	2,671.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,729.75	1/4	4,386.35	1/4	4,041.90	1/4	3,697.45	1/4	3,353.01	1/4	3,008.56	1/4	2,664.11		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,722.60	1/2	4,379.17	1/2	4,034.73	1/2	3,690.28	1/2	3,345.83	1/2	3,001.38	1/2	2,656.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,715.46	3/4	4,372.00	3/4	4,027.55	3/4	3,683.10	3/4	3,338.66	3/4	2,994.21	3/4	2,649.76		
8	8	8	8	8	8	8	4,708.32	8	4,364.82	8	4,020.37	8	3,675.92	8	3,331.48	8	2,987.03	8	2,642.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,701.17	1/4	4,357.65	1/4	4,013.20	1/4	3,668.75	1/4	3,324.30	1/4	2,979.85	1/4	2,635.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,694.03	1/2	4,350.47	1/2	4,006.02	1/2	3,661.57	1/2	3,317.13	1/2	2,972.68	1/2	2,628.23		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,686.88	3/4	4,343.30	3/4	3,998.85	3/4	3,654.40	3/4	3,309.95	3/4	2,965.50	3/4	2,621.06		
9	9	9	9	9	9	9	4,679.74	9	4,336.12	9	3,991.67	9	3,647.22	9	3,302.77	9	2,958.32	9	2,613.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,919.47	1/4	4,672.59	1/4	4,328.94	1/4	3,984.49	1/4	3,640.05	1/4	3,295.60	1/4	2,951.15	1/4	2,606.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,919.08	1/2	4,665.45	1/2	4,321.77	1/2	3,977.32	1/2	3,632.87	1/2	3,288.42	1/2	2,943.97	1/2	2,599.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,918.68	3/4	4,658.30	3/4	4,314.59	3/4	3,970.14	3/4	3,625.70	3/4	3,281.25	3/4	2,936.80	3/4	2,592.35
10	10	10	10	10	10	10	4,917.59	10	4,651.16	10	4,307.41	10	3,962.96	10	3,618.52	10	3,274.07	10	2,929.62	10	2,585.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,916.49	1/4	4,644.01	1/4	4,300.24	1/4	3,955.79	1/4	3,611.34	1/4	3,266.89	1/4	2,922.45	1/4	2,578.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,915.40	1/2	4,636.87	1/2	4,293.06	1/2	3,948.61	1/2	3,604.17	1/2	3,259.72	1/2	2,915.27	1/2	2,570.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,914.30	3/4	4,629.73	3/4	4,285.89	3/4	3,941.44	3/4	3,596.99	3/4	3,252.54	3/4	2,908.10	3/4	2,563.65
11	11	11	11	11	11	11	4,912.17	11	4,622.59	11	4,278.71	11	3,934.26	11	3,589.81	11	3,245.36	11	2,900.92	11	2,556.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,910.04	1/4	4,615.44	1/4	4,271.53	1/4	3,927.09	1/4	3,582.64	1/4	3,238.19	1/4	2,893.74	1/4	2,549.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,907.91	1/2	4,608.30	1/2	4,264.36	1/2	3,919.91	1/2	3,575.46	1/2	3,231.01	1/2	2,886.57	1/2	2,542.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,905.78	3/4	4,601.16	3/4	4,257.18	3/4	3,912.74	3/4	3,568.29	3/4	3,223.84	3/4	2,879.39	3/4	2,534.94

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 44'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "MMI 3045"

## 2 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	2,527.76	0	2,183.32	0	1,838.87	0	1,494.42	0	1,149.97	0	805.52	0	461.08	0	116.90	0		0	
1/4	2,520.59	1/4	2,176.14	1/4	1,831.69	1/4	1,487.25	1/4	1,142.80	1/4	798.35	1/4	453.90	1/4	110.00	1/4		1/4	
1/2	2,513.41	1/2	2,168.97	1/2	1,824.52	1/2	1,480.07	1/2	1,135.62	1/2	791.17	1/2	446.73	1/2	103.09	1/2		1/2	
3/4	2,506.24	3/4	2,161.79	3/4	1,817.34	3/4	1,472.90	3/4	1,128.45	3/4	784.00	3/4	439.55	3/4	96.19	3/4		3/4	
1	2,499.06	1	2,154.61	1	1,810.16	1	1,465.72	1	1,121.27	1	776.82	1	432.37	1	89.37	1		1	
1/4	2,491.89	1/4	2,147.44	1/4	1,802.99	1/4	1,458.54	1/4	1,114.09	1/4	769.65	1/4	425.20	1/4	82.56	1/4		1/4	
1/2	2,484.71	1/2	2,140.26	1/2	1,795.81	1/2	1,451.37	1/2	1,106.92	1/2	762.47	1/2	418.02	1/2	75.74	1/2		1/2	
3/4	2,477.54	3/4	2,133.09	3/4	1,788.64	3/4	1,444.19	3/4	1,099.74	3/4	755.30	3/4	410.85	3/4	68.93	3/4		3/4	
2	2,470.36	2	2,125.91	2	1,781.46	2	1,437.01	2	1,092.56	2	748.12	2	403.67	2	62.24	2		2	
1/4	2,463.18	1/4	2,118.73	1/4	1,774.29	1/4	1,429.84	1/4	1,085.39	1/4	740.94	1/4	396.49	1/4	55.55	1/4		1/4	
1/2	2,456.01	1/2	2,111.56	1/2	1,767.11	1/2	1,422.66	1/2	1,078.21	1/2	733.77	1/2	389.32	1/2	48.87	1/2		1/2	
3/4	2,448.83	3/4	2,104.38	3/4	1,759.94	3/4	1,415.49	3/4	1,071.04	3/4	726.59	3/4	382.14	3/4	42.18	3/4		3/4	
3	2,441.65	3	2,097.20	3	1,752.76	3	1,408.31	3	1,063.86	3	719.41	3	374.96	3	37.02	3		3	
1/4	2,434.48	1/4	2,090.03	1/4	1,745.58	1/4	1,401.13	1/4	1,056.69	1/4	712.24	1/4	367.79	1/4	31.86	1/4		1/4	
1/2	2,427.30	1/2	2,082.85	1/2	1,738.41	1/2	1,393.96	1/2	1,049.51	1/2	705.06	1/2	360.61	1/2	26.70	1/2		1/2	
3/4	2,420.13	3/4	2,075.68	3/4	1,731.23	3/4	1,386.78	3/4	1,042.34	3/4	697.89	3/4	353.44	3/4		3/4		3/4	
4	2,412.95	4	2,068.50	4	1,724.05	4	1,379.60	4	1,035.16	4	690.71	4	346.26	4		4		4	
1/4	2,405.77	1/4	2,061.33	1/4	1,716.88	1/4	1,372.43	1/4	1,027.98	1/4	683.53	1/4	339.09	1/4		1/4		1/4	
1/2	2,398.60	1/2	2,054.15	1/2	1,709.70	1/2	1,365.25	1/2	1,020.81	1/2	676.36	1/2	331.91	1/2		1/2		1/2	
3/4	2,391.42	3/4	2,046.98	3/4	1,702.53	3/4	1,358.08	3/4	1,013.63	3/4	669.18	3/4	324.74	3/4		3/4		3/4	
5	2,384.24	5	2,039.80	5	1,695.35	5	1,350.90	5	1,006.45	5	662.00	5	317.56	5		5		5	
1/4	2,377.07	1/4	2,032.62	1/4	1,688.17	1/4	1,343.73	1/4	999.28	1/4	654.83	1/4	310.38	1/4		1/4		1/4	
1/2	2,369.89	1/2	2,025.45	1/2	1,681.00	1/2	1,336.55	1/2	992.10	1/2	647.65	1/2	303.21	1/2		1/2		1/2	
3/4	2,362.72	3/4	2,018.27	3/4	1,673.82	3/4	1,329.38	3/4	984.93	3/4	640.48	3/4	296.03	3/4		3/4		3/4	
6	2,355.54	6	2,011.09	6	1,666.64	6	1,322.20	6	977.75	6	633.30	6	288.85	6		6		6	
1/4	2,348.37	1/4	2,003.92	1/4	1,659.47	1/4	1,315.02	1/4	970.57	1/4	626.13	1/4	281.68	1/4		1/4		1/4	
1/2	2,341.19	1/2	1,996.74	1/2	1,652.29	1/2	1,307.85	1/2	963.40	1/2	618.95	1/2	274.50	1/2		1/2		1/2	
3/4	2,334.02	3/4	1,989.57	3/4	1,645.12	3/4	1,300.67	3/4	956.22	3/4	611.78	3/4	267.33	3/4		3/4		3/4	
7	2,326.84	7	1,982.39	7	1,637.94	7	1,293.49	7	949.04	7	604.60	7	260.15	7		7		7	
1/4	2,319.66	1/4	1,975.21	1/4	1,630.77	1/4	1,286.32	1/4	941.87	1/4	597.42	1/4	252.97	1/4		1/4		1/4	
1/2	2,312.49	1/2	1,968.04	1/2	1,623.59	1/2	1,279.14	1/2	934.69	1/2	590.25	1/2	245.80	1/2		1/2		1/2	
3/4	2,305.31	3/4	1,960.86	3/4	1,616.42	3/4	1,271.97	3/4	927.52	3/4	583.07	3/4	238.62	3/4		3/4		3/4	
8	2,298.13	8	1,953.68	8	1,609.24	8	1,264.79	8	920.34	8	575.89	8	231.44	8		8		8	
1/4	2,290.96	1/4	1,946.51	1/4	1,602.06	1/4	1,257.61	1/4	913.17	1/4	568.72	1/4	224.27	1/4		1/4		1/4	
1/2	2,283.78	1/2	1,939.33	1/2	1,594.89	1/2	1,250.44	1/2	905.99	1/2	561.54	1/2	217.09	1/2		1/2		1/2	
3/4	2,276.61	3/4	1,932.16	3/4	1,587.71	3/4	1,243.26	3/4	898.82	3/4	554.37	3/4	209.92	3/4		3/4		3/4	
9	2,269.43	9	1,924.98	9	1,580.54	9	1,236.08	9	891.64	9	547.19	9	202.74	9		9		9	
1/4	2,262.25	1/4	1,917.81	1/4	1,573.36	1/4	1,228.91	1/4	884.46	1/4	540.01	1/4	195.57	1/4		1/4		1/4	
1/2	2,255.08	1/2	1,910.63	1/2	1,566.19	1/2	1,221.73	1/2	877.29	1/2	532.84	1/2	188.39	1/2		1/2		1/2	
3/4	2,247.90	3/4	1,903.46	3/4	1,559.01	3/4	1,214.56	3/4	870.11	3/4	525.66	3/4	181.22	3/4		3/4		3/4	
10	2,240.72	10	1,896.28	10	1,551.84	10	1,207.38	10	862.93	10	518.48	10	174.04	10		10		10	
1/4	2,233.55	1/4	1,889.10	1/4	1,544.66	1/4	1,200.21	1/4	855.76	1/4	511.31	1/4	166.86	1/4		1/4		1/4	
1/2	2,226.37	1/2	1,881.93	1/2	1,537.48	1/2	1,193.03	1/2	848.58	1/2	504.13	1/2	159.69	1/2		1/2		1/2	
3/4	2,219.20	3/4	1,874.75	3/4	1,530.30	3/4	1,185.86	3/4	841.41	3/4	496.96	3/4	152.51	3/4		3/4		3/4	
11	2,212.02	11	1,867.57	11	1,523.12	11	1,178.68	11	834.23	11	489.78	11	145.33	11		11		11	
1/4	2,204.85	1/4	1,860.40	1/4	1,515.95	1/4	1,171.50	1/4	827.05	1/4	482.61	1/4	138.16	1/4		1/4		1/4	
1/2	2,197.67	1/2	1,853.22	1/2	1,508.77	1/2	1,164.33	1/2	819.88	1/2	475.43	1/2	130.98	1/2		1/2		1/2	
3/4	2,190.50	3/4	1,846.05	3/4	1,501.60	3/4	1,157.15	3/4	812.70	3/4	468.26	3/4	123.81	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/04/2004 INS  
RECALCULATED: 08/20/2019 SW  
REPRINTED: 08/21/2019 SW

PRECISION MEASUREMENT  
& ANALYSIS, INC.

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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







# BARGE "MMI 3045"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-03"

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	4,896.20	0	4,579.72	0	4,235.65	0	3,891.21	0	3,546.76	0	3,202.31	0	2,857.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,893.00	1/4	4,572.58	1/4	4,228.48	1/4	3,884.03	1/4	3,539.58	1/4	3,195.14	1/4	2,850.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,888.74	1/2	4,565.43	1/2	4,221.30	1/2	3,876.85	1/2	3,532.40	1/2	3,187.96	1/2	2,843.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,884.48	3/4	4,558.29	3/4	4,214.13	3/4	3,869.68	3/4	3,525.23	3/4	3,180.78	3/4	2,836.33
1	1	1	1	1	1	1	4,880.22	1	4,551.14	1	4,206.95	1	3,862.50	1	3,518.05	1	3,173.61	1	2,829.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,875.96	1/4	4,544.00	1/4	4,199.78	1/4	3,855.33	1/4	3,510.88	1/4	3,166.43	1/4	2,821.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,870.63	1/2	4,536.85	1/2	4,192.60	1/2	3,848.15	1/2	3,503.70	1/2	3,159.25	1/2	2,814.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,865.31	3/4	4,529.71	3/4	4,185.42	3/4	3,840.97	3/4	3,496.53	3/4	3,152.08	3/4	2,807.63
2	2	2	2	2	2	2	4,859.98	2	4,522.56	2	4,178.25	2	3,833.80	2	3,489.35	2	3,144.90	2	2,800.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,854.65	1/4	4,515.42	1/4	4,171.07	1/4	3,826.62	1/4	3,482.18	1/4	3,137.73	1/4	2,793.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,848.30	1/2	4,508.27	1/2	4,163.89	1/2	3,819.44	1/2	3,475.00	1/2	3,130.55	1/2	2,786.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,841.94	3/4	4,501.12	3/4	4,156.72	3/4	3,812.27	3/4	3,467.82	3/4	3,123.37	3/4	2,778.93
3	3	3	3	3	3	3	4,835.59	3	4,493.97	3	4,149.54	3	3,805.09	3	3,460.65	3	3,116.20	3	2,771.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,829.23	1/4	4,486.82	1/4	4,142.37	1/4	3,797.92	1/4	3,453.47	1/4	3,109.02	1/4	2,764.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,822.22	1/2	4,479.64	1/2	4,135.19	1/2	3,790.74	1/2	3,446.29	1/2	3,101.84	1/2	2,757.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,815.21	3/4	4,472.46	3/4	4,128.01	3/4	3,783.57	3/4	3,439.12	3/4	3,094.67	3/4	2,750.22
4	4	4	4	4	4	4	4,808.19	4	4,465.29	4	4,120.84	4	3,776.39	4	3,431.94	4	3,087.49	4	2,743.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,801.18	1/4	4,458.11	1/4	4,113.66	1/4	3,769.22	1/4	3,424.77	1/4	3,080.32	1/4	2,735.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,794.04	1/2	4,450.93	1/2	4,106.48	1/2	3,762.04	1/2	3,417.59	1/2	3,073.14	1/2	2,728.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,786.90	3/4	4,443.76	3/4	4,099.31	3/4	3,754.86	3/4	3,410.41	3/4	3,065.97	3/4	2,721.52
5	5	5	5	5	5	5	4,779.75	5	4,436.58	5	4,092.13	5	3,747.69	5	3,403.24	5	3,058.79	5	2,714.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,772.61	1/4	4,429.41	1/4	4,084.96	1/4	3,740.51	1/4	3,396.06	1/4	3,051.62	1/4	2,707.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,765.47	1/2	4,422.23	1/2	4,077.78	1/2	3,733.33	1/2	3,388.88	1/2	3,044.44	1/2	2,699.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,758.32	3/4	4,415.05	3/4	4,070.61	3/4	3,726.16	3/4	3,381.71	3/4	3,037.26	3/4	2,692.81
6	6	6	6	6	6	6	4,751.18	6	4,407.88	6	4,063.43	6	3,718.98	6	3,374.53	6	3,030.09	6	2,685.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,744.03	1/4	4,400.70	1/4	4,056.26	1/4	3,711.81	1/4	3,367.36	1/4	3,022.91	1/4	2,678.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,736.89	1/2	4,393.52	1/2	4,049.08	1/2	3,704.63	1/2	3,360.18	1/2	3,015.73	1/2	2,671.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,729.75	3/4	4,386.35	3/4	4,041.90	3/4	3,697.45	3/4	3,353.01	3/4	3,008.56	3/4	2,664.11
7	7	7	7	7	7	7	4,722.60	7	4,379.17	7	4,034.73	7	3,690.28	7	3,345.83	7	3,001.38	7	2,656.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,715.46	1/4	4,372.00	1/4	4,027.55	1/4	3,683.10	1/4	3,338.66	1/4	2,994.21	1/4	2,649.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,708.32	1/2	4,364.82	1/2	4,020.37	1/2	3,675.92	1/2	3,331.48	1/2	2,987.03	1/2	2,642.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,701.17	3/4	4,357.65	3/4	4,013.20	3/4	3,668.75	3/4	3,324.30	3/4	2,979.85	3/4	2,635.41
8	8	8	8	8	8	8	4,694.03	8	4,350.47	8	4,006.02	8	3,661.57	8	3,317.13	8	2,972.68	8	2,628.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,686.88	1/4	4,343.30	1/4	3,998.85	1/4	3,654.40	1/4	3,309.95	1/4	2,965.50	1/4	2,621.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,679.74	1/2	4,336.12	1/2	3,991.67	1/2	3,647.22	1/2	3,302.77	1/2	2,958.32	1/2	2,613.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,919.47	3/4	4,672.59	3/4	4,328.94	3/4	3,984.49	3/4	3,640.05	3/4	3,295.60	3/4	2,951.15
9	9	9	9	9	9	9	4,919.08	9	4,665.45	9	4,321.77	9	3,977.32	9	3,632.87	9	3,288.42	9	2,943.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,918.68	1/4	4,658.30	1/4	4,314.59	1/4	3,970.14	1/4	3,625.70	1/4	3,281.25	1/4	2,936.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,917.59	1/2	4,651.16	1/2	4,307.41	1/2	3,962.96	1/2	3,618.52	1/2	3,274.07	1/2	2,929.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,916.49	3/4	4,644.01	3/4	4,300.24	3/4	3,955.79	3/4	3,611.34	3/4	3,266.89	3/4	2,922.45
10	10	10	10	10	10	10	4,915.40	10	4,636.87	10	4,293.06	10	3,948.61	10	3,604.17	10	3,259.72	10	2,915.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,914.30	1/4	4,629.73	1/4	4,285.89	1/4	3,941.44	1/4	3,596.99	1/4	3,252.54	1/4	2,908.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,912.17	1/2	4,622.59	1/2	4,278.71	1/2	3,934.26	1/2	3,589.81	1/2	3,245.36	1/2	2,900.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,910.04	3/4	4,615.44	3/4	4,271.53	3/4	3,927.09	3/4	3,582.64	3/4	3,238.19	3/4	2,893.74
11	11	11	11	11	11	11	4,907.91	11	4,608.30	11	4,264.36	11	3,919.91	11	3,575.46	11	3,231.01	11	2,886.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,905.78	1/4	4,601.16	1/4	4,257.18	1/4	3,912.74	1/4	3,568.29	1/4	3,223.84	1/4	2,879.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,902.59	1/2	4,594.01	1/2	4,250.00	1/2	3,905.56	1/2	3,561.11	1/2	3,216.66	1/2	2,872.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,899.39	3/4	4,586.87	3/4	4,242.83	3/4	3,898.38	3/4	3,553.93	3/4	3,209.49	3/4	2,865.04

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 44'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "MMI 3045"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-03"

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	2,513.41	0	2,168.97	0	1,824.52	0	1,480.07	0	1,135.62	0	791.17	0	446.73	0	103.09	0		0	
1/4	2,506.24	1/4	2,161.79	1/4	1,817.34	1/4	1,472.90	1/4	1,128.45	1/4	784.00	1/4	439.55	1/4	96.19	1/4		1/4	
1/2	2,499.06	1/2	2,154.61	1/2	1,810.16	1/2	1,465.72	1/2	1,121.27	1/2	776.82	1/2	432.37	1/2	89.37	1/2		1/2	
3/4	2,491.89	3/4	2,147.44	3/4	1,802.99	3/4	1,458.54	3/4	1,114.09	3/4	769.65	3/4	425.20	3/4	82.56	3/4		3/4	
1	2,484.71	1	2,140.26	1	1,795.81	1	1,451.37	1	1,106.92	1	762.47	1	418.02	1	75.74	1		1	
1/4	2,477.54	1/4	2,133.09	1/4	1,788.64	1/4	1,444.19	1/4	1,099.74	1/4	755.30	1/4	410.85	1/4	68.93	1/4		1/4	
1/2	2,470.36	1/2	2,125.91	1/2	1,781.46	1/2	1,437.01	1/2	1,092.56	1/2	748.12	1/2	403.67	1/2	62.24	1/2		1/2	
3/4	2,463.18	3/4	2,118.73	3/4	1,774.29	3/4	1,429.84	3/4	1,085.39	3/4	740.94	3/4	396.49	3/4	55.55	3/4		3/4	
2	2,456.01	2	2,111.56	2	1,767.11	2	1,422.66	2	1,078.21	2	733.77	2	389.32	2	48.87	2		2	
1/4	2,448.83	1/4	2,104.38	1/4	1,759.94	1/4	1,415.49	1/4	1,071.04	1/4	726.59	1/4	382.14	1/4	42.18	1/4		1/4	
1/2	2,441.65	1/2	2,097.20	1/2	1,752.76	1/2	1,408.31	1/2	1,063.86	1/2	719.41	1/2	374.96	1/2	37.02	1/2		1/2	
3/4	2,434.48	3/4	2,090.03	3/4	1,745.58	3/4	1,401.13	3/4	1,056.69	3/4	712.24	3/4	367.79	3/4	31.86	3/4		3/4	
3	2,427.30	3	2,082.85	3	1,738.41	3	1,393.96	3	1,049.51	3	705.06	3	360.61	3	26.70	3		3	
1/4	2,420.13	1/4	2,075.68	1/4	1,731.23	1/4	1,386.78	1/4	1,042.34	1/4	697.89	1/4	353.44	1/4		1/4		1/4	
1/2	2,412.95	1/2	2,068.50	1/2	1,724.05	1/2	1,379.60	1/2	1,035.16	1/2	690.71	1/2	346.26	1/2		1/2		1/2	
3/4	2,405.77	3/4	2,061.33	3/4	1,716.88	3/4	1,372.43	3/4	1,027.98	3/4	683.53	3/4	339.09	3/4		3/4		3/4	
4	2,398.60	4	2,054.15	4	1,709.70	4	1,365.25	4	1,020.81	4	676.36	4	331.91	4		4		4	
1/4	2,391.42	1/4	2,046.98	1/4	1,702.53	1/4	1,358.08	1/4	1,013.63	1/4	669.18	1/4	324.74	1/4		1/4		1/4	
1/2	2,384.24	1/2	2,039.80	1/2	1,695.35	1/2	1,350.90	1/2	1,006.45	1/2	662.00	1/2	317.56	1/2		1/2		1/2	
3/4	2,377.07	3/4	2,032.62	3/4	1,688.17	3/4	1,343.73	3/4	999.28	3/4	654.83	3/4	310.38	3/4		3/4		3/4	
5	2,369.89	5	2,025.45	5	1,681.00	5	1,336.55	5	992.10	5	647.65	5	303.21	5		5		5	
1/4	2,362.72	1/4	2,018.27	1/4	1,673.82	1/4	1,329.38	1/4	984.93	1/4	640.48	1/4	296.03	1/4		1/4		1/4	
1/2	2,355.54	1/2	2,011.09	1/2	1,666.64	1/2	1,322.20	1/2	977.75	1/2	633.30	1/2	288.85	1/2		1/2		1/2	
3/4	2,348.37	3/4	2,003.92	3/4	1,659.47	3/4	1,315.02	3/4	970.57	3/4	626.13	3/4	281.68	3/4		3/4		3/4	
6	2,341.19	6	1,996.74	6	1,652.29	6	1,307.85	6	963.40	6	618.95	6	274.50	6		6		6	
1/4	2,334.02	1/4	1,989.57	1/4	1,645.12	1/4	1,300.67	1/4	956.22	1/4	611.78	1/4	267.33	1/4		1/4		1/4	
1/2	2,326.84	1/2	1,982.39	1/2	1,637.94	1/2	1,293.49	1/2	949.04	1/2	604.60	1/2	260.15	1/2		1/2		1/2	
3/4	2,319.66	3/4	1,975.21	3/4	1,630.77	3/4	1,286.32	3/4	941.87	3/4	597.42	3/4	252.97	3/4		3/4		3/4	
7	2,312.49	7	1,968.04	7	1,623.59	7	1,279.14	7	934.69	7	590.25	7	245.80	7		7		7	
1/4	2,305.31	1/4	1,960.86	1/4	1,616.42	1/4	1,271.97	1/4	927.52	1/4	583.07	1/4	238.62	1/4		1/4		1/4	
1/2	2,298.13	1/2	1,953.68	1/2	1,609.24	1/2	1,264.79	1/2	920.34	1/2	575.89	1/2	231.44	1/2		1/2		1/2	
3/4	2,290.96	3/4	1,946.51	3/4	1,602.06	3/4	1,257.61	3/4	913.17	3/4	568.72	3/4	224.27	3/4		3/4		3/4	
8	2,283.78	8	1,939.33	8	1,594.89	8	1,250.44	8	905.99	8	561.54	8	217.09	8		8		8	
1/4	2,276.61	1/4	1,932.16	1/4	1,587.71	1/4	1,243.26	1/4	898.82	1/4	554.37	1/4	209.92	1/4		1/4		1/4	
1/2	2,269.43	1/2	1,924.98	1/2	1,580.54	1/2	1,236.08	1/2	891.64	1/2	547.19	1/2	202.74	1/2		1/2		1/2	
3/4	2,262.25	3/4	1,917.81	3/4	1,573.36	3/4	1,228.91	3/4	884.46	3/4	540.01	3/4	195.57	3/4		3/4		3/4	
9	2,255.08	9	1,910.63	9	1,566.19	9	1,221.73	9	877.29	9	532.84	9	188.39	9		9		9	
1/4	2,247.90	1/4	1,903.46	1/4	1,559.01	1/4	1,214.56	1/4	870.11	1/4	525.66	1/4	181.22	1/4		1/4		1/4	
1/2	2,240.72	1/2	1,896.28	1/2	1,551.84	1/2	1,207.38	1/2	862.93	1/2	518.48	1/2	174.04	1/2		1/2		1/2	
3/4	2,233.55	3/4	1,889.10	3/4	1,544.66	3/4	1,200.21	3/4	855.76	3/4	511.31	3/4	166.86	3/4		3/4		3/4	
10	2,226.37	10	1,881.93	10	1,537.48	10	1,193.03	10	848.58	10	504.13	10	159.69	10		10		10	
1/4	2,219.20	1/4	1,874.75	1/4	1,530.30	1/4	1,185.86	1/4	841.41	1/4	496.96	1/4	152.51	1/4		1/4		1/4	
1/2	2,212.02	1/2	1,867.57	1/2	1,523.12	1/2	1,178.68	1/2	834.23	1/2	489.78	1/2	145.33	1/2		1/2		1/2	
3/4	2,204.85	3/4	1,860.40	3/4	1,515.95	3/4	1,171.50	3/4	827.05	3/4	482.61	3/4	138.16	3/4		3/4		3/4	
11	2,197.67	11	1,853.22	11	1,508.77	11	1,164.33	11	819.88	11	475.43	11	130.98	11		11		11	
1/4	2,190.50	1/4	1,846.05	1/4	1,501.60	1/4	1,157.15	1/4	812.70	1/4	468.26	1/4	123.81	1/4		1/4		1/4	
1/2	2,183.32	1/2	1,838.87	1/2	1,494.42	1/2	1,149.97	1/2	805.52	1/2	461.08	1/2	116.90	1/2		1/2		1/2	
3/4	2,176.14	3/4	1,831.69	3/4	1,487.25	3/4	1,142.80	3/4	798.35	3/4	453.90	3/4	110.00	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/04/2004 INS  
RECALCULATED: 08/20/2019 SW  
REPRINTED: 08/21/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.dmacorp.net>



# BARGE "MMI 3045"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-02 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	4,676.37	1/4	4,436.39	1/4	4,184.10	1/4	3,931.81	1/4	3,679.52	1/4	3,367.05	1/4	3,002.15		
1/2		1/2		1/2		1/2	4,673.25	1/2	4,431.13	1/2	4,178.84	1/2	3,926.56	1/2	3,674.27	1/2	3,359.45	1/2	2,994.55		
3/4		3/4		3/4		3/4	4,670.13	3/4	4,425.88	3/4	4,173.59	3/4	3,921.30	3/4	3,669.01	3/4	3,351.85	3/4	2,986.95		
1	1	1	1	1	1	1	4,666.22	1	4,420.62	1	4,168.33	1	3,916.04	1	3,663.75	1	3,344.25	1	2,979.35		
1/4		1/4		1/4		1/4	4,662.31	1/4	4,415.37	1/4	4,163.08	1/4	3,910.79	1/4	3,658.50	1/4	3,336.64	1/4	2,971.74		
1/2		1/2		1/2		1/2	4,658.41	1/2	4,410.11	1/2	4,157.82	1/2	3,905.53	1/2	3,653.24	1/2	3,329.04	1/2	2,964.14		
3/4		3/4		3/4		3/4	4,654.50	3/4	4,404.86	3/4	4,152.57	3/4	3,900.28	3/4	3,647.99	3/4	3,321.44	3/4	2,956.54		
2	2	2	2	2	2	2	4,649.81	2	4,399.60	2	4,147.31	2	3,895.02	2	3,642.70	2	3,313.84	2	2,948.94		
1/4		1/4		1/4		1/4	4,645.12	1/4	4,394.34	1/4	4,142.05	1/4	3,889.76	1/4	3,637.40	1/4	3,306.23	1/4	2,941.33		
1/2		1/2		1/2		1/2	4,640.44	1/2	4,389.09	1/2	4,136.80	1/2	3,884.51	1/2	3,632.11	1/2	3,298.63	1/2	2,933.73		
3/4		3/4		3/4		3/4	4,635.75	3/4	4,383.83	3/4	4,131.54	3/4	3,879.25	3/4	3,626.82	3/4	3,291.03	3/4	2,926.13		
3	3	3	3	3	3	3	4,630.58	3	4,378.57	3	4,126.28	3	3,873.99	3	3,621.26	3	3,283.43	3	2,918.53		
1/4		1/4		1/4		1/4	4,625.42	1/4	4,373.32	1/4	4,121.03	1/4	3,868.74	1/4	3,615.70	1/4	3,275.82	1/4	2,910.93		
1/2		1/2		1/2		1/2	4,620.25	1/2	4,368.06	1/2	4,115.77	1/2	3,863.48	1/2	3,610.15	1/2	3,268.22	1/2	2,903.33		
3/4		3/4		3/4		3/4	4,615.09	3/4	4,362.81	3/4	4,110.52	3/4	3,858.23	3/4	3,604.59	3/4	3,260.62	3/4	2,895.73		
4	4	4	4	4	4	4	4,609.83	4	4,357.55	4	4,105.26	4	3,852.97	4	3,598.71	4	3,253.02	4	2,888.13		
1/4		1/4		1/4		1/4	4,604.58	1/4	4,352.29	1/4	4,100.00	1/4	3,847.72	1/4	3,592.83	1/4	3,245.41	1/4	2,880.52		
1/2		1/2		1/2		1/2	4,599.32	1/2	4,347.04	1/2	4,094.75	1/2	3,842.46	1/2	3,586.95	1/2	3,237.81	1/2	2,872.92		
3/4		3/4		3/4		3/4	4,594.07	3/4	4,341.78	3/4	4,089.49	3/4	3,837.21	3/4	3,581.07	3/4	3,230.21	3/4	2,865.32		
5	5	5	5	5	5	5	4,588.81	5	4,336.52	5	4,084.23	5	3,831.95	5	3,574.84	5	3,222.61	5	2,857.72		
1/4		1/4		1/4		1/4	4,583.56	1/4	4,331.27	1/4	4,078.98	1/4	3,826.69	1/4	3,568.62	1/4	3,215.01	1/4	2,850.11		
1/2		1/2		1/2		1/2	4,578.30	1/2	4,326.01	1/2	4,073.72	1/2	3,821.44	1/2	3,562.39	1/2	3,207.41	1/2	2,842.51		
3/4		3/4		3/4		3/4	4,573.05	3/4	4,320.76	3/4	4,068.47	3/4	3,816.18	3/4	3,556.17	3/4	3,199.81	3/4	2,834.91		
6	6	6	6	6	6	6	4,567.79	6	4,315.50	6	4,063.21	6	3,810.92	6	3,549.60	6	3,192.21	6	2,827.31		
1/4		1/4		1/4		1/4	4,562.53	1/4	4,310.24	1/4	4,057.96	1/4	3,805.67	1/4	3,543.02	1/4	3,184.60	1/4	2,819.70		
1/2		1/2		1/2		1/2	4,557.28	1/2	4,304.99	1/2	4,052.70	1/2	3,800.41	1/2	3,536.45	1/2	3,177.00	1/2	2,812.10		
3/4		3/4		3/4		3/4	4,552.02	3/4	4,299.73	3/4	4,047.45	3/4	3,795.16	3/4	3,529.88	3/4	3,169.40	3/4	2,804.50		
7	7	7	7	7	7	7	4,546.76	7	4,294.47	7	4,042.19	7	3,789.90	7	3,522.96	7	3,161.80	7	2,796.90		
1/4		1/4		1/4		1/4	4,541.51	1/4	4,289.22	1/4	4,036.93	1/4	3,784.64	1/4	3,516.04	1/4	3,154.19	1/4	2,789.29		
1/2		1/2		1/2		1/2	4,536.25	1/2	4,283.96	1/2	4,031.68	1/2	3,779.39	1/2	3,509.12	1/2	3,146.59	1/2	2,781.69		
3/4		3/4		3/4		3/4	4,531.00	3/4	4,278.71	3/4	4,026.42	3/4	3,774.13	3/4	3,502.20	3/4	3,138.99	3/4	2,774.09		
8	8	8	8	8	8	8	4,525.74	8	4,273.45	8	4,021.16	8	3,768.87	8	3,494.94	8	3,131.39	8	2,766.49		
1/4		1/4		1/4	4,702.04	1/4	4,520.48	1/4	4,268.20	1/4	4,015.91	1/4	3,763.62	1/4	3,487.67	1/4	3,123.78	1/4	2,758.89		
1/2		1/2		1/2	4,701.75	1/2	4,515.23	1/2	4,262.94	1/2	4,010.65	1/2	3,758.36	1/2	3,480.41	1/2	3,116.18	1/2	2,751.29		
3/4		3/4		3/4	4,701.46	3/4	4,509.97	3/4	4,257.69	3/4	4,005.40	3/4	3,753.11	3/4	3,473.15	3/4	3,108.58	3/4	2,743.69		
9	9	9	9	9	4,700.65	9	4,504.71	9	4,252.43	9	4,000.14	9	3,747.85	9	3,465.63	9	3,100.98	9	2,736.09		
1/4		1/4		1/4	4,699.85	1/4	4,499.46	1/4	4,247.17	1/4	3,994.88	1/4	3,742.60	1/4	3,458.11	1/4	3,093.37	1/4	2,728.48		
1/2		1/2		1/2	4,699.04	1/2	4,494.20	1/2	4,241.92	1/2	3,989.63	1/2	3,737.34	1/2	3,450.59	1/2	3,085.77	1/2	2,720.88		
3/4		3/4		3/4	4,698.24	3/4	4,488.95	3/4	4,236.66	3/4	3,984.37	3/4	3,732.09	3/4	3,443.07	3/4	3,078.17	3/4	2,713.28		
10	10	10	10	10	4,696.68	10	4,483.69	10	4,231.40	10	3,979.11	10	3,726.83	10	3,435.47	10	3,070.57	10	2,705.68		
1/4		1/4		1/4	4,695.12	1/4	4,478.44	1/4	4,226.15	1/4	3,973.86	1/4	3,721.57	1/4	3,427.86	1/4	3,062.97	1/4	2,698.07		
1/2		1/2		1/2	4,693.56	1/2	4,473.18	1/2	4,220.89	1/2	3,968.60	1/2	3,716.32	1/2	3,420.26	1/2	3,055.37	1/2	2,690.47		
3/4		3/4		3/4	4,692.00	3/4	4,467.93	3/4	4,215.64	3/4	3,963.35	3/4	3,711.06	3/4	3,412.66	3/4	3,047.77	3/4	2,682.87		
11	11	11	11	11	4,689.65	11	4,462.67	11	4,210.38	11	3,958.09	11	3,705.80	11	3,405.06	11	3,040.17	11	2,675.27		
1/4		1/4		1/4	4,687.31	1/4	4,457.41	1/4	4,205.12	1/4	3,952.84	1/4	3,700.55	1/4	3,397.45	1/4	3,032.56	1/4	2,667.66		
1/2		1/2		1/2	4,684.96	1/2	4,452.16	1/2	4,199.87	1/2	3,947.58	1/2	3,695.29	1/2	3,389.85	1/2	3,024.96	1/2	2,660.06		
3/4		3/4		3/4	4,682.62	3/4	4,446.90	3/4	4,194.61	3/4	3,942.33	3/4	3,690.04	3/4	3,382.25	3/4	3,017.36	3/4	2,652.46		

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 46'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "MMI 3045"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,644.86	0	2,279.97	0	1,915.07	0	1,550.17	0	1,185.28	0	821.94	0	458.28	0	95.02	0		0	
1/4	2,637.25	1/4	2,272.36	1/4	1,907.46	1/4	1,542.57	1/4	1,177.67	1/4	814.40	1/4	450.68	1/4	87.78	1/4		1/4	
1/2	2,629.65	1/2	2,264.76	1/2	1,899.86	1/2	1,534.97	1/2	1,170.07	1/2	806.85	1/2	443.09	1/2	80.55	1/2		1/2	
3/4	2,622.05	3/4	2,257.16	3/4	1,892.26	3/4	1,527.37	3/4	1,162.47	3/4	799.31	3/4	435.49	3/4	73.31	3/4		3/4	
1	2,614.45	1	2,249.56	1	1,884.66	1	1,519.77	1	1,154.87	1	791.76	1	427.89	1	66.20	1		1	
1/4	2,606.85	1/4	2,241.95	1/4	1,877.05	1/4	1,512.16	1/4	1,147.26	1/4	784.22	1/4	420.29	1/4	59.10	1/4		1/4	
1/2	2,599.25	1/2	2,234.35	1/2	1,869.45	1/2	1,504.56	1/2	1,139.66	1/2	776.67	1/2	412.70	1/2	51.99	1/2		1/2	
3/4	2,591.65	3/4	2,226.75	3/4	1,861.85	3/4	1,496.96	3/4	1,132.06	3/4	769.13	3/4	405.10	3/4	44.89	3/4		3/4	
2	2,584.05	2	2,219.15	2	1,854.25	2	1,489.36	2	1,124.46	2	761.58	2	397.50	2	39.42	2		2	
1/4	2,576.44	1/4	2,211.54	1/4	1,846.65	1/4	1,481.75	1/4	1,116.85	1/4	754.03	1/4	389.90	1/4	33.94	1/4		1/4	
1/2	2,568.84	1/2	2,203.94	1/2	1,839.05	1/2	1,474.15	1/2	1,109.25	1/2	746.49	1/2	382.31	1/2	28.47	1/2		1/2	
3/4	2,561.24	3/4	2,196.34	3/4	1,831.45	3/4	1,466.55	3/4	1,101.65	3/4	738.94	3/4	374.71	3/4		3/4		3/4	
3	2,553.64	3	2,188.74	3	1,823.85	3	1,458.95	3	1,094.05	3	731.39	3	367.11	3		3		3	
1/4	2,546.03	1/4	2,181.13	1/4	1,816.24	1/4	1,451.34	1/4	1,086.45	1/4	723.85	1/4	359.51	1/4		1/4		1/4	
1/2	2,538.43	1/2	2,173.53	1/2	1,808.64	1/2	1,443.74	1/2	1,078.85	1/2	716.30	1/2	351.91	1/2		1/2		1/2	
3/4	2,530.83	3/4	2,165.93	3/4	1,801.04	3/4	1,436.14	3/4	1,071.25	3/4	708.76	3/4	344.31	3/4		3/4		3/4	
4	2,523.23	4	2,158.33	4	1,793.44	4	1,428.54	4	1,063.65	4	701.21	4	336.71	4		4		4	
1/4	2,515.62	1/4	2,150.73	1/4	1,785.83	1/4	1,420.93	1/4	1,056.04	1/4	693.66	1/4	329.11	1/4		1/4		1/4	
1/2	2,508.02	1/2	2,143.13	1/2	1,778.23	1/2	1,413.33	1/2	1,048.44	1/2	686.12	1/2	321.52	1/2		1/2		1/2	
3/4	2,500.42	3/4	2,135.53	3/4	1,770.63	3/4	1,405.73	3/4	1,040.84	3/4	678.57	3/4	313.92	3/4		3/4		3/4	
5	2,492.82	5	2,127.93	5	1,763.03	5	1,398.13	5	1,033.28	5	670.98	5	306.32	5		5		5	
1/4	2,485.21	1/4	2,120.32	1/4	1,755.42	1/4	1,390.53	1/4	1,025.72	1/4	663.40	1/4	298.72	1/4		1/4		1/4	
1/2	2,477.61	1/2	2,112.72	1/2	1,747.82	1/2	1,382.93	1/2	1,018.16	1/2	655.81	1/2	291.13	1/2		1/2		1/2	
3/4	2,470.01	3/4	2,105.12	3/4	1,740.22	3/4	1,375.33	3/4	1,010.60	3/4	648.23	3/4	283.53	3/4		3/4		3/4	
6	2,462.41	6	2,097.52	6	1,732.62	6	1,367.73	6	1,003.05	6	640.63	6	275.93	6		6		6	
1/4	2,454.81	1/4	2,089.91	1/4	1,725.01	1/4	1,360.12	1/4	995.50	1/4	633.03	1/4	268.33	1/4		1/4		1/4	
1/2	2,447.21	1/2	2,082.31	1/2	1,717.41	1/2	1,352.52	1/2	987.96	1/2	625.44	1/2	260.74	1/2		1/2		1/2	
3/4	2,439.61	3/4	2,074.71	3/4	1,709.81	3/4	1,344.92	3/4	980.41	3/4	617.84	3/4	253.14	3/4		3/4		3/4	
7	2,432.01	7	2,067.11	7	1,702.21	7	1,337.32	7	972.86	7	610.24	7	245.54	7		7		7	
1/4	2,424.40	1/4	2,059.50	1/4	1,694.61	1/4	1,329.71	1/4	965.32	1/4	602.64	1/4	237.94	1/4		1/4		1/4	
1/2	2,416.80	1/2	2,051.90	1/2	1,687.01	1/2	1,322.11	1/2	957.77	1/2	595.05	1/2	230.35	1/2		1/2		1/2	
3/4	2,409.20	3/4	2,044.30	3/4	1,679.41	3/4	1,314.51	3/4	950.23	3/4	587.45	3/4	222.75	3/4		3/4		3/4	
8	2,401.60	8	2,036.70	8	1,671.81	8	1,306.91	8	942.68	8	579.85	8	215.15	8		8		8	
1/4	2,393.99	1/4	2,029.09	1/4	1,664.20	1/4	1,299.30	1/4	935.14	1/4	572.25	1/4	207.55	1/4		1/4		1/4	
1/2	2,386.39	1/2	2,021.49	1/2	1,656.60	1/2	1,291.70	1/2	927.59	1/2	564.66	1/2	199.95	1/2		1/2		1/2	
3/4	2,378.79	3/4	2,013.89	3/4	1,649.00	3/4	1,284.10	3/4	920.05	3/4	557.06	3/4	192.35	3/4		3/4		3/4	
9	2,371.19	9	2,006.29	9	1,641.40	9	1,276.50	9	912.50	9	549.46	9	184.75	9		9		9	
1/4	2,363.58	1/4	1,998.69	1/4	1,633.79	1/4	1,268.89	1/4	904.95	1/4	541.86	1/4	177.15	1/4		1/4		1/4	
1/2	2,355.98	1/2	1,991.09	1/2	1,626.19	1/2	1,261.29	1/2	897.41	1/2	534.27	1/2	169.56	1/2		1/2		1/2	
3/4	2,348.38	3/4	1,983.49	3/4	1,618.59	3/4	1,253.69	3/4	889.86	3/4	526.67	3/4	161.96	3/4		3/4		3/4	
10	2,340.78	10	1,975.89	10	1,610.99	10	1,246.09	10	882.31	10	519.07	10	154.36	10		10		10	
1/4	2,333.17	1/4	1,968.28	1/4	1,603.38	1/4	1,238.49	1/4	874.77	1/4	511.47	1/4	146.76	1/4		1/4		1/4	
1/2	2,325.57	1/2	1,960.68	1/2	1,595.78	1/2	1,230.89	1/2	867.22	1/2	503.87	1/2	139.17	1/2		1/2		1/2	
3/4	2,317.97	3/4	1,953.08	3/4	1,588.18	3/4	1,223.29	3/4	859.68	3/4	496.27	3/4	131.57	3/4		3/4		3/4	
11	2,310.37	11	1,945.48	11	1,580.58	11	1,215.69	11	852.13	11	488.67	11	124.24	11		11		11	
1/4	2,302.77	1/4	1,937.87	1/4	1,572.97	1/4	1,208.08	1/4	844.58	1/4	481.07	1/4	116.91	1/4		1/4		1/4	
1/2	2,295.17	1/2	1,930.27	1/2	1,565.37	1/2	1,200.48	1/2	837.04	1/2	473.48	1/2	109.59	1/2		1/2		1/2	
3/4	2,287.57	3/4	1,922.67	3/4	1,557.77	3/4	1,192.88	3/4	829.49	3/4	465.88	3/4	102.26	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/04/2004 INS  
RECALCULATED: 08/20/2019 SW  
REPRINTED: 08/21/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "MMI 3045"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-02 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	4,676.37	1/4	4,436.39	1/4	4,184.10	1/4	3,931.81	1/4	3,679.52	1/4	3,367.05	1/4	3,002.15		
1/2		1/2		1/2		1/2	4,673.25	1/2	4,431.13	1/2	4,178.84	1/2	3,926.56	1/2	3,674.27	1/2	3,359.45	1/2	2,994.55		
3/4		3/4		3/4		3/4	4,670.13	3/4	4,425.88	3/4	4,173.59	3/4	3,921.30	3/4	3,669.01	3/4	3,351.85	3/4	2,986.95		
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4,666.22</b>	<b>1</b>	<b>4,420.62</b>	<b>1</b>	<b>4,168.33</b>	<b>1</b>	<b>3,916.04</b>	<b>1</b>	<b>3,663.75</b>	<b>1</b>	<b>3,344.25</b>	<b>1</b>	<b>2,979.35</b>		
1/4		1/4		1/4		1/4	4,662.31	1/4	4,415.37	1/4	4,163.08	1/4	3,910.79	1/4	3,658.50	1/4	3,336.64	1/4	2,971.74		
1/2		1/2		1/2		1/2	4,658.41	1/2	4,410.11	1/2	4,157.82	1/2	3,905.53	1/2	3,653.24	1/2	3,329.04	1/2	2,964.14		
3/4		3/4		3/4		3/4	4,654.50	3/4	4,404.86	3/4	4,152.57	3/4	3,900.28	3/4	3,647.99	3/4	3,321.44	3/4	2,956.54		
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>4,649.81</b>	<b>2</b>	<b>4,399.60</b>	<b>2</b>	<b>4,147.31</b>	<b>2</b>	<b>3,895.02</b>	<b>2</b>	<b>3,642.70</b>	<b>2</b>	<b>3,313.84</b>	<b>2</b>	<b>2,948.94</b>		
1/4		1/4		1/4		1/4	4,645.12	1/4	4,394.34	1/4	4,142.05	1/4	3,889.76	1/4	3,637.40	1/4	3,306.23	1/4	2,941.33		
1/2		1/2		1/2		1/2	4,640.44	1/2	4,389.09	1/2	4,136.80	1/2	3,884.51	1/2	3,632.11	1/2	3,298.63	1/2	2,933.73		
3/4		3/4		3/4		3/4	4,635.75	3/4	4,383.83	3/4	4,131.54	3/4	3,879.25	3/4	3,626.82	3/4	3,291.03	3/4	2,926.13		
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4,630.58</b>	<b>3</b>	<b>4,378.57</b>	<b>3</b>	<b>4,126.28</b>	<b>3</b>	<b>3,873.99</b>	<b>3</b>	<b>3,621.26</b>	<b>3</b>	<b>3,283.43</b>	<b>3</b>	<b>2,918.53</b>		
1/4		1/4		1/4		1/4	4,625.42	1/4	4,373.32	1/4	4,121.03	1/4	3,868.74	1/4	3,615.70	1/4	3,275.82	1/4	2,910.93		
1/2		1/2		1/2		1/2	4,620.25	1/2	4,368.06	1/2	4,115.77	1/2	3,863.48	1/2	3,610.15	1/2	3,268.22	1/2	2,903.33		
3/4		3/4		3/4		3/4	4,615.09	3/4	4,362.81	3/4	4,110.52	3/4	3,858.23	3/4	3,604.59	3/4	3,260.62	3/4	2,895.73		
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4,609.83</b>	<b>4</b>	<b>4,357.55</b>	<b>4</b>	<b>4,105.26</b>	<b>4</b>	<b>3,852.97</b>	<b>4</b>	<b>3,598.71</b>	<b>4</b>	<b>3,253.02</b>	<b>4</b>	<b>2,888.13</b>		
1/4		1/4		1/4		1/4	4,604.58	1/4	4,352.29	1/4	4,100.00	1/4	3,847.72	1/4	3,592.83	1/4	3,245.41	1/4	2,880.52		
1/2		1/2		1/2		1/2	4,599.32	1/2	4,347.04	1/2	4,094.75	1/2	3,842.46	1/2	3,586.95	1/2	3,237.81	1/2	2,872.92		
3/4		3/4		3/4		3/4	4,594.07	3/4	4,341.78	3/4	4,089.49	3/4	3,837.21	3/4	3,581.07	3/4	3,230.21	3/4	2,865.32		
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4,588.81</b>	<b>5</b>	<b>4,336.52</b>	<b>5</b>	<b>4,084.23</b>	<b>5</b>	<b>3,831.95</b>	<b>5</b>	<b>3,574.84</b>	<b>5</b>	<b>3,222.61</b>	<b>5</b>	<b>2,857.72</b>		
1/4		1/4		1/4		1/4	4,583.56	1/4	4,331.27	1/4	4,078.98	1/4	3,826.69	1/4	3,568.62	1/4	3,215.01	1/4	2,850.11		
1/2		1/2		1/2		1/2	4,578.30	1/2	4,326.01	1/2	4,073.72	1/2	3,821.44	1/2	3,562.39	1/2	3,207.41	1/2	2,842.51		
3/4		3/4		3/4		3/4	4,573.05	3/4	4,320.76	3/4	4,068.47	3/4	3,816.18	3/4	3,556.17	3/4	3,199.81	3/4	2,834.91		
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>4,567.79</b>	<b>6</b>	<b>4,315.50</b>	<b>6</b>	<b>4,063.21</b>	<b>6</b>	<b>3,810.92</b>	<b>6</b>	<b>3,549.60</b>	<b>6</b>	<b>3,192.21</b>	<b>6</b>	<b>2,827.31</b>		
1/4		1/4		1/4		1/4	4,562.53	1/4	4,310.24	1/4	4,057.96	1/4	3,805.67	1/4	3,543.02	1/4	3,184.60	1/4	2,819.70		
1/2		1/2		1/2		1/2	4,557.28	1/2	4,304.99	1/2	4,052.70	1/2	3,800.41	1/2	3,536.45	1/2	3,177.00	1/2	2,812.10		
3/4		3/4		3/4		3/4	4,552.02	3/4	4,299.73	3/4	4,047.45	3/4	3,795.16	3/4	3,529.88	3/4	3,169.40	3/4	2,804.50		
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>4,546.76</b>	<b>7</b>	<b>4,294.47</b>	<b>7</b>	<b>4,042.19</b>	<b>7</b>	<b>3,789.90</b>	<b>7</b>	<b>3,522.96</b>	<b>7</b>	<b>3,161.80</b>	<b>7</b>	<b>2,796.90</b>		
1/4		1/4		1/4		1/4	4,541.51	1/4	4,289.22	1/4	4,036.93	1/4	3,784.64	1/4	3,516.04	1/4	3,154.19	1/4	2,789.29		
1/2		1/2		1/2		1/2	4,536.25	1/2	4,283.96	1/2	4,031.68	1/2	3,779.39	1/2	3,509.12	1/2	3,146.59	1/2	2,781.69		
3/4		3/4		3/4		3/4	4,531.00	3/4	4,278.71	3/4	4,026.42	3/4	3,774.13	3/4	3,502.20	3/4	3,138.99	3/4	2,774.09		
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>4,525.74</b>	<b>8</b>	<b>4,273.45</b>	<b>8</b>	<b>4,021.16</b>	<b>8</b>	<b>3,768.87</b>	<b>8</b>	<b>3,494.94</b>	<b>8</b>	<b>3,131.39</b>	<b>8</b>	<b>2,766.49</b>		
1/4		1/4		1/4	4,702.04	1/4	4,520.48	1/4	4,268.20	1/4	4,015.91	1/4	3,763.62	1/4	3,487.67	1/4	3,123.78	1/4	2,758.89		
1/2		1/2		1/2	4,701.75	1/2	4,515.23	1/2	4,262.94	1/2	4,010.65	1/2	3,758.36	1/2	3,480.41	1/2	3,116.18	1/2	2,751.29		
3/4		3/4		3/4	4,701.46	3/4	4,509.97	3/4	4,257.69	3/4	4,005.40	3/4	3,753.11	3/4	3,473.15	3/4	3,108.58	3/4	2,743.69		
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>4,700.65</b>	<b>9</b>	<b>4,504.71</b>	<b>9</b>	<b>4,252.43</b>	<b>9</b>	<b>4,000.14</b>	<b>9</b>	<b>3,747.85</b>	<b>9</b>	<b>3,465.63</b>	<b>9</b>	<b>3,100.98</b>	<b>9</b>	<b>2,736.09</b>		
1/4		1/4		1/4	4,699.85	1/4	4,499.46	1/4	4,247.17	1/4	3,994.88	1/4	3,742.60	1/4	3,458.11	1/4	3,093.37	1/4	2,728.48		
1/2		1/2		1/2	4,699.04	1/2	4,494.20	1/2	4,241.92	1/2	3,989.63	1/2	3,737.34	1/2	3,450.59	1/2	3,085.77	1/2	2,720.88		
3/4		3/4		3/4	4,698.24	3/4	4,488.95	3/4	4,236.66	3/4	3,984.37	3/4	3,732.09	3/4	3,443.07	3/4	3,078.17	3/4	2,713.28		
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>4,696.68</b>	<b>10</b>	<b>4,483.69</b>	<b>10</b>	<b>4,231.40</b>	<b>10</b>	<b>3,979.11</b>	<b>10</b>	<b>3,726.83</b>	<b>10</b>	<b>3,435.47</b>	<b>10</b>	<b>3,070.57</b>	<b>10</b>	<b>2,705.68</b>		
1/4		1/4		1/4	4,695.12	1/4	4,478.44	1/4	4,226.15	1/4	3,973.86	1/4	3,721.57	1/4	3,427.86	1/4	3,062.97	1/4	2,698.07		
1/2		1/2		1/2	4,693.56	1/2	4,473.18	1/2	4,220.89	1/2	3,968.60	1/2	3,716.32	1/2	3,420.26	1/2	3,055.37	1/2	2,690.47		
3/4		3/4		3/4	4,692.00	3/4	4,467.93	3/4	4,215.64	3/4	3,963.35	3/4	3,711.06	3/4	3,412.66	3/4	3,047.77	3/4	2,682.87		
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>4,689.65</b>	<b>11</b>	<b>4,462.67</b>	<b>11</b>	<b>4,210.38</b>	<b>11</b>	<b>3,958.09</b>	<b>11</b>	<b>3,705.80</b>	<b>11</b>	<b>3,405.06</b>	<b>11</b>	<b>3,040.17</b>	<b>11</b>	<b>2,675.27</b>		
1/4		1/4		1/4	4,687.31	1/4	4,457.41	1/4	4,205.12	1/4	3,952.84	1/4	3,700.55	1/4	3,397.45	1/4	3,032.56	1/4	2,667.66		
1/2		1/2		1/2	4,684.96	1/2	4,452.16	1/2	4,199.87	1/2	3,947.58	1/2	3,695.29	1/2	3,389.85	1/2	3,024.96	1/2	2,660.06		
3/4		3/4		3/4	4,682.62	3/4	4,446.90	3/4	4,194.61	3/4	3,942.33	3/4	3,690.04	3/4	3,382.25	3/4	3,017.36	3/4	2,652.46		

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 46'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "MMI 3045"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 17'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,644.86	0	2,279.97	0	1,915.07	0	1,550.17	0	1,185.28	0	821.94	0	458.28	0	95.02	0		0	
1/4	2,637.25	1/4	2,272.36	1/4	1,907.46	1/4	1,542.57	1/4	1,177.67	1/4	814.40	1/4	450.68	1/4	87.78	1/4		1/4	
1/2	2,629.65	1/2	2,264.76	1/2	1,899.86	1/2	1,534.97	1/2	1,170.07	1/2	806.85	1/2	443.09	1/2	80.55	1/2		1/2	
3/4	2,622.05	3/4	2,257.16	3/4	1,892.26	3/4	1,527.37	3/4	1,162.47	3/4	799.31	3/4	435.49	3/4	73.31	3/4		3/4	
1	2,614.45	1	2,249.56	1	1,884.66	1	1,519.77	1	1,154.87	1	791.76	1	427.89	1	66.20	1		1	
1/4	2,606.85	1/4	2,241.95	1/4	1,877.05	1/4	1,512.16	1/4	1,147.26	1/4	784.22	1/4	420.29	1/4	59.10	1/4		1/4	
1/2	2,599.25	1/2	2,234.35	1/2	1,869.45	1/2	1,504.56	1/2	1,139.66	1/2	776.67	1/2	412.70	1/2	51.99	1/2		1/2	
3/4	2,591.65	3/4	2,226.75	3/4	1,861.85	3/4	1,496.96	3/4	1,132.06	3/4	769.13	3/4	405.10	3/4	44.89	3/4		3/4	
2	2,584.05	2	2,219.15	2	1,854.25	2	1,489.36	2	1,124.46	2	761.58	2	397.50	2	39.42	2		2	
1/4	2,576.44	1/4	2,211.54	1/4	1,846.65	1/4	1,481.75	1/4	1,116.85	1/4	754.03	1/4	389.90	1/4	33.94	1/4		1/4	
1/2	2,568.84	1/2	2,203.94	1/2	1,839.05	1/2	1,474.15	1/2	1,109.25	1/2	746.49	1/2	382.31	1/2	28.47	1/2		1/2	
3/4	2,561.24	3/4	2,196.34	3/4	1,831.45	3/4	1,466.55	3/4	1,101.65	3/4	738.94	3/4	374.71	3/4		3/4		3/4	
3	2,553.64	3	2,188.74	3	1,823.85	3	1,458.95	3	1,094.05	3	731.39	3	367.11	3		3		3	
1/4	2,546.03	1/4	2,181.13	1/4	1,816.24	1/4	1,451.34	1/4	1,086.45	1/4	723.85	1/4	359.51	1/4		1/4		1/4	
1/2	2,538.43	1/2	2,173.53	1/2	1,808.64	1/2	1,443.74	1/2	1,078.85	1/2	716.30	1/2	351.91	1/2		1/2		1/2	
3/4	2,530.83	3/4	2,165.93	3/4	1,801.04	3/4	1,436.14	3/4	1,071.25	3/4	708.76	3/4	344.31	3/4		3/4		3/4	
4	2,523.23	4	2,158.33	4	1,793.44	4	1,428.54	4	1,063.65	4	701.21	4	336.71	4		4		4	
1/4	2,515.62	1/4	2,150.73	1/4	1,785.83	1/4	1,420.93	1/4	1,056.04	1/4	693.66	1/4	329.11	1/4		1/4		1/4	
1/2	2,508.02	1/2	2,143.13	1/2	1,778.23	1/2	1,413.33	1/2	1,048.44	1/2	686.12	1/2	321.52	1/2		1/2		1/2	
3/4	2,500.42	3/4	2,135.53	3/4	1,770.63	3/4	1,405.73	3/4	1,040.84	3/4	678.57	3/4	313.92	3/4		3/4		3/4	
5	2,492.82	5	2,127.93	5	1,763.03	5	1,398.13	5	1,033.28	5	670.98	5	306.32	5		5		5	
1/4	2,485.21	1/4	2,120.32	1/4	1,755.42	1/4	1,390.53	1/4	1,025.72	1/4	663.40	1/4	298.72	1/4		1/4		1/4	
1/2	2,477.61	1/2	2,112.72	1/2	1,747.82	1/2	1,382.93	1/2	1,018.16	1/2	655.81	1/2	291.13	1/2		1/2		1/2	
3/4	2,470.01	3/4	2,105.12	3/4	1,740.22	3/4	1,375.33	3/4	1,010.60	3/4	648.23	3/4	283.53	3/4		3/4		3/4	
6	2,462.41	6	2,097.52	6	1,732.62	6	1,367.73	6	1,003.05	6	640.63	6	275.93	6		6		6	
1/4	2,454.81	1/4	2,089.91	1/4	1,725.01	1/4	1,360.12	1/4	995.50	1/4	633.03	1/4	268.33	1/4		1/4		1/4	
1/2	2,447.21	1/2	2,082.31	1/2	1,717.41	1/2	1,352.52	1/2	987.96	1/2	625.44	1/2	260.74	1/2		1/2		1/2	
3/4	2,439.61	3/4	2,074.71	3/4	1,709.81	3/4	1,344.92	3/4	980.41	3/4	617.84	3/4	253.14	3/4		3/4		3/4	
7	2,432.01	7	2,067.11	7	1,702.21	7	1,337.32	7	972.86	7	610.24	7	245.54	7		7		7	
1/4	2,424.40	1/4	2,059.50	1/4	1,694.61	1/4	1,329.71	1/4	965.32	1/4	602.64	1/4	237.94	1/4		1/4		1/4	
1/2	2,416.80	1/2	2,051.90	1/2	1,687.01	1/2	1,322.11	1/2	957.77	1/2	595.05	1/2	230.35	1/2		1/2		1/2	
3/4	2,409.20	3/4	2,044.30	3/4	1,679.41	3/4	1,314.51	3/4	950.23	3/4	587.45	3/4	222.75	3/4		3/4		3/4	
8	2,401.60	8	2,036.70	8	1,671.81	8	1,306.91	8	942.68	8	579.85	8	215.15	8		8		8	
1/4	2,393.99	1/4	2,029.09	1/4	1,664.20	1/4	1,299.30	1/4	935.14	1/4	572.25	1/4	207.55	1/4		1/4		1/4	
1/2	2,386.39	1/2	2,021.49	1/2	1,656.60	1/2	1,291.70	1/2	927.59	1/2	564.66	1/2	199.95	1/2		1/2		1/2	
3/4	2,378.79	3/4	2,013.89	3/4	1,649.00	3/4	1,284.10	3/4	920.05	3/4	557.06	3/4	192.35	3/4		3/4		3/4	
9	2,371.19	9	2,006.29	9	1,641.40	9	1,276.50	9	912.50	9	549.46	9	184.75	9		9		9	
1/4	2,363.58	1/4	1,998.69	1/4	1,633.79	1/4	1,268.89	1/4	904.95	1/4	541.86	1/4	177.15	1/4		1/4		1/4	
1/2	2,355.98	1/2	1,991.09	1/2	1,626.19	1/2	1,261.29	1/2	897.41	1/2	534.27	1/2	169.56	1/2		1/2		1/2	
3/4	2,348.38	3/4	1,983.49	3/4	1,618.59	3/4	1,253.69	3/4	889.86	3/4	526.67	3/4	161.96	3/4		3/4		3/4	
10	2,340.78	10	1,975.89	10	1,610.99	10	1,246.09	10	882.31	10	519.07	10	154.36	10		10		10	
1/4	2,333.17	1/4	1,968.28	1/4	1,603.38	1/4	1,238.49	1/4	874.77	1/4	511.47	1/4	146.76	1/4		1/4		1/4	
1/2	2,325.57	1/2	1,960.68	1/2	1,595.78	1/2	1,230.89	1/2	867.22	1/2	503.87	1/2	139.17	1/2		1/2		1/2	
3/4	2,317.97	3/4	1,953.08	3/4	1,588.18	3/4	1,223.29	3/4	859.68	3/4	496.27	3/4	131.57	3/4		3/4		3/4	
11	2,310.37	11	1,945.48	11	1,580.58	11	1,215.69	11	852.13	11	488.67	11	124.24	11		11		11	
1/4	2,302.77	1/4	1,937.87	1/4	1,572.97	1/4	1,208.08	1/4	844.58	1/4	481.07	1/4	116.91	1/4		1/4		1/4	
1/2	2,295.17	1/2	1,930.27	1/2	1,565.37	1/2	1,200.48	1/2	837.04	1/2	473.48	1/2	109.59	1/2		1/2		1/2	
3/4	2,287.57	3/4	1,922.67	3/4	1,557.77	3/4	1,192.88	3/4	829.49	3/4	465.88	3/4	102.26	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/04/2004 INS  
RECALCULATED: 08/20/2019 SW  
REPRINTED: 08/21/2019 SW

PRECISION MEASUREMENT  
& ANALYSIS, INC.

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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

