



# BARGE "MMI 3046"

## 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	- 02-1/8	02-1/8	- 04-3/8	04-3/8	- 06-1/2	06-1/2	- 08-3/4	08-3/4	- 10-7/8	10-7/8	- 13-1/8	13-1/8
1 STBD	- 02-1/8	02-1/8	- 04-3/8	04-3/8	- 06-1/2	06-1/2	- 08-3/4	08-3/4	- 10-7/8	10-7/8	- 13-1/8	13-1/8
2 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
2 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
3 PORT	02-1/8	- 02-1/8	04-3/8	- 04-3/8	06-1/2	- 06-1/2	08-3/4	- 08-3/4	10-7/8	- 10-7/8	13-1/8	- 13-1/8
3 STBD	02-1/8	- 02-1/8	04-3/8	- 04-3/8	06-1/2	- 06-1/2	08-3/4	- 08-3/4	10-7/8	- 10-7/8	13-1/8	- 13-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 04-3/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-04 3/8"

April 3, 2023

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "MMI 3046"

# 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-09 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		0		4,985.22	0	4,618.31	0	4,251.39	0	3,884.48	0	3,517.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,977.58	1/4	4,610.66	1/4	4,243.73	1/4	3,876.84	1/4	3,509.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,969.93	1/2	4,603.02	1/2	4,236.08	1/2	3,869.19	1/2	3,502.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,962.29	3/4	4,595.38	3/4	4,228.43	3/4	3,861.55	3/4	3,494.64		
1		1		1		1		1		4,954.65	1	4,587.73	1	4,220.79	1	3,853.91	1	3,486.99		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,947.00	1/4	4,580.09	1/4	4,213.16	1/4	3,846.26	1/4	3,479.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,202.94	1/2	4,939.36	1/2	4,572.44	1/2	4,205.52	1/2	3,838.62	1/2	3,471.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,202.52	3/4	4,931.71	3/4	4,564.80	3/4	4,197.89	3/4	3,830.98	3/4	3,464.06
2		2		2		2		2		5,201.61	2	4,924.07	2	4,557.15	2	4,190.24	2	3,823.33	2	3,456.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,200.69	1/4	4,916.43	1/4	4,549.51	1/4	4,182.60	1/4	3,815.69	1/4	3,448.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,199.78	1/2	4,908.78	1/2	4,541.86	1/2	4,174.95	1/2	3,808.04	1/2	3,441.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,198.86	3/4	4,901.14	3/4	4,534.22	3/4	4,167.31	3/4	3,800.40	3/4	3,433.49
3		3		3		3		3		5,196.88	3	4,893.50	3	4,526.58	3	4,159.67	3	3,792.75	3	3,425.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,194.91	1/4	4,885.85	1/4	4,518.93	1/4	4,152.02	1/4	3,785.11	1/4	3,418.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,192.93	1/2	4,878.21	1/2	4,511.29	1/2	4,144.38	1/2	3,777.46	1/2	3,410.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,190.95	3/4	4,870.56	3/4	4,503.65	3/4	4,136.74	3/4	3,769.82	3/4	3,402.91
4		4		4		4		4		5,187.84	4	4,862.92	4	4,496.00	4	4,129.09	4	3,762.18	4	3,395.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,184.73	1/4	4,855.27	1/4	4,488.36	1/4	4,121.45	1/4	3,754.53	1/4	3,387.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,181.62	1/2	4,847.63	1/2	4,480.71	1/2	4,113.80	1/2	3,746.89	1/2	3,379.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,178.51	3/4	4,839.98	3/4	4,473.07	3/4	4,106.16	3/4	3,739.25	3/4	3,372.34
5		5		5		5		5		5,174.27	5	4,832.34	5	4,465.43	5	4,098.51	5	3,731.60	5	3,364.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,170.03	1/4	4,824.70	1/4	4,457.78	1/4	4,090.87	1/4	3,723.96	1/4	3,357.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,165.79	1/2	4,817.05	1/2	4,450.14	1/2	4,083.22	1/2	3,716.31	1/2	3,349.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,161.55	3/4	4,809.41	3/4	4,442.50	3/4	4,075.58	3/4	3,708.67	3/4	3,341.76
6		6		6		6		6		5,156.18	6	4,801.76	6	4,434.85	6	4,067.94	6	3,701.03	6	3,334.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,150.80	1/4	4,794.12	1/4	4,427.21	1/4	4,060.29	1/4	3,693.38	1/4	3,326.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,145.43	1/2	4,786.47	1/2	4,419.56	1/2	4,052.65	1/2	3,685.74	1/2	3,318.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,140.05	3/4	4,778.83	3/4	4,411.92	3/4	4,045.01	3/4	3,678.10	3/4	3,311.18
7		7		7		7		7		5,133.54	7	4,771.19	7	4,404.27	7	4,037.36	7	3,670.45	7	3,303.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,127.04	1/4	4,763.54	1/4	4,396.63	1/4	4,029.72	1/4	3,662.81	1/4	3,295.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,120.53	1/2	4,755.90	1/2	4,388.98	1/2	4,022.07	1/2	3,655.16	1/2	3,288.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,114.02	3/4	4,748.26	3/4	4,381.34	3/4	4,014.43	3/4	3,647.52	3/4	3,280.61
8		8		8		8		8		5,106.66	8	4,740.61	8	4,373.70	8	4,006.79	8	3,639.87	8	3,272.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,099.31	1/4	4,732.97	1/4	4,366.05	1/4	3,999.14	1/4	3,632.23	1/4	3,265.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,091.95	1/2	4,725.32	1/2	4,358.41	1/2	3,991.50	1/2	3,624.58	1/2	3,257.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,084.59	3/4	4,717.68	3/4	4,350.77	3/4	3,983.86	3/4	3,616.94	3/4	3,250.03
9		9		9		9		9		5,076.95	9	4,710.03	9	4,343.12	9	3,976.21	9	3,609.30	9	3,242.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,069.31	1/4	4,702.39	1/4	4,335.48	1/4	3,968.57	1/4	3,601.65	1/4	3,234.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,061.66	1/2	4,694.74	1/2	4,327.83	1/2	3,960.92	1/2	3,594.01	1/2	3,227.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,054.02	3/4	4,687.10	3/4	4,320.19	3/4	3,953.28	3/4	3,586.37	3/4	3,219.46
10		10		10		10		10		5,046.38	10	4,679.46	10	4,312.55	10	3,945.63	10	3,578.72	10	3,211.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,038.73	1/4	4,671.81	1/4	4,304.90	1/4	3,937.99	1/4	3,571.08	1/4	3,204.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,031.09	1/2	4,664.17	1/2	4,297.26	1/2	3,930.34	1/2	3,563.43	1/2	3,196.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,023.44	3/4	4,656.53	3/4	4,289.62	3/4	3,922.70	3/4	3,555.79	3/4	3,188.88
11		11		11		11		11		5,015.80	11	4,648.88	11	4,281.97	11	3,915.06	11	3,548.15	11	3,181.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,008.15	1/4	4,641.24	1/4	4,274.33	1/4	3,907.41	1/4	3,540.50	1/4	3,173.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,000.51	1/2	4,633.59	1/2	4,266.68	1/2	3,899.77	1/2	3,532.86	1/2	3,165.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,992.86	3/4	4,625.95	3/4	4,259.04	3/4	3,892.13	3/4	3,525.22	3/4	3,158.30

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 DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 3'-00" OFF CENTERLINE AND 1'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "MMI 3046"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-09 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	3,150.66	0	2,783.75	0	2,416.83	0	2,049.92	0	1,683.01	0	1,316.10	0	949.19	0	582.27	0	227.51	0	
1/4	3,143.01	1/4	2,776.10	1/4	2,409.19	1/4	2,042.28	1/4	1,675.37	1/4	1,308.45	1/4	941.54	1/4	574.63	1/4	220.50	1/4	
1/2	3,135.37	1/2	2,768.46	1/2	2,401.54	1/2	2,034.63	1/2	1,667.72	1/2	1,300.81	1/2	933.90	1/2	566.98	1/2	213.48	1/2	
3/4	3,127.73	3/4	2,760.82	3/4	2,393.90	3/4	2,026.99	3/4	1,660.08	3/4	1,293.17	3/4	926.26	3/4	559.34	3/4	206.47	3/4	
1	3,120.08	1	2,753.17	1	2,386.26	1	2,019.35	1	1,652.43	1	1,285.52	1	918.61	1	551.70	1	199.52	1	
1/4	3,112.44	1/4	2,745.53	1/4	2,378.61	1/4	2,011.70	1/4	1,644.79	1/4	1,277.88	1/4	910.97	1/4	544.05	1/4	192.56	1/4	
1/2	3,104.79	1/2	2,737.88	1/2	2,370.97	1/2	2,004.06	1/2	1,637.14	1/2	1,270.23	1/2	903.32	1/2	536.41	1/2	185.61	1/2	
3/4	3,097.15	3/4	2,730.24	3/4	2,363.33	3/4	1,996.42	3/4	1,629.50	3/4	1,262.59	3/4	895.68	3/4	528.77	3/4	178.66	3/4	
2	3,089.51	2	2,722.59	2	2,355.68	2	1,988.77	2	1,621.86	2	1,254.95	2	888.03	2	521.16	2	171.89	2	
1/4	3,081.86	1/4	2,714.95	1/4	2,348.04	1/4	1,981.13	1/4	1,614.21	1/4	1,247.30	1/4	880.39	1/4	513.54	1/4	165.12	1/4	
1/2	3,074.22	1/2	2,707.30	1/2	2,340.39	1/2	1,973.48	1/2	1,606.57	1/2	1,239.66	1/2	872.74	1/2	505.93	1/2	158.36	1/2	
3/4	3,066.58	3/4	2,699.66	3/4	2,332.75	3/4	1,965.84	3/4	1,598.93	3/4	1,232.02	3/4	865.10	3/4	498.32	3/4	151.59	3/4	
3	3,058.93	3	2,692.02	3	2,325.11	3	1,958.19	3	1,591.28	3	1,224.37	3	857.46	3	490.74	3	145.00	3	
1/4	3,051.29	1/4	2,684.37	1/4	2,317.46	1/4	1,950.55	1/4	1,583.64	1/4	1,216.73	1/4	849.81	1/4	483.16	1/4	138.41	1/4	
1/2	3,043.64	1/2	2,676.73	1/2	2,309.82	1/2	1,942.90	1/2	1,575.99	1/2	1,209.08	1/2	842.17	1/2	475.59	1/2	131.83	1/2	
3/4	3,036.00	3/4	2,669.09	3/4	2,302.18	3/4	1,935.26	3/4	1,568.35	3/4	1,201.44	3/4	834.53	3/4	468.01	3/4	125.24	3/4	
4	3,028.35	4	2,661.44	4	2,294.53	4	1,927.62	4	1,560.71	4	1,193.79	4	826.89	4	460.49	4	118.71	4	
1/4	3,020.71	1/4	2,653.80	1/4	2,286.89	1/4	1,919.97	1/4	1,553.06	1/4	1,186.15	1/4	819.24	1/4	452.98	1/4	112.19	1/4	
1/2	3,013.06	1/2	2,646.15	1/2	2,279.24	1/2	1,912.33	1/2	1,545.42	1/2	1,178.50	1/2	811.60	1/2	445.46	1/2	105.66	1/2	
3/4	3,005.42	3/4	2,638.51	3/4	2,271.60	3/4	1,904.69	3/4	1,537.78	3/4	1,170.86	3/4	803.96	3/4	437.95	3/4	99.14	3/4	
5	2,997.78	5	2,630.87	5	2,263.95	5	1,897.04	5	1,530.13	5	1,163.22	5	796.31	5	430.50	5	92.68	5	
1/4	2,990.13	1/4	2,623.22	1/4	2,256.31	1/4	1,889.40	1/4	1,522.49	1/4	1,155.57	1/4	788.67	1/4	423.04	1/4	86.21	1/4	
1/2	2,982.49	1/2	2,615.58	1/2	2,248.66	1/2	1,881.75	1/2	1,514.84	1/2	1,147.93	1/2	781.02	1/2	415.59	1/2	79.75	1/2	
3/4	2,974.85	3/4	2,607.94	3/4	2,241.02	3/4	1,874.11	3/4	1,507.20	3/4	1,140.29	3/4	773.38	3/4	408.14	3/4	73.29	3/4	
6	2,967.20	6	2,600.29	6	2,233.38	6	1,866.47	6	1,499.55	6	1,132.64	6	765.73	6	400.75	6	66.89	6	
1/4	2,959.56	1/4	2,592.65	1/4	2,225.73	1/4	1,858.82	1/4	1,491.91	1/4	1,125.00	1/4	758.09	1/4	393.36	1/4	60.48	1/4	
1/2	2,951.91	1/2	2,585.00	1/2	2,218.09	1/2	1,851.18	1/2	1,484.26	1/2	1,117.35	1/2	750.44	1/2	385.97	1/2	54.08	1/2	
3/4	2,944.27	3/4	2,577.36	3/4	2,210.45	3/4	1,843.54	3/4	1,476.62	3/4	1,109.71	3/4	742.80	3/4	378.58	3/4	47.68	3/4	
7	2,936.63	7	2,569.71	7	2,202.80	7	1,835.89	7	1,468.98	7	1,102.07	7	735.15	7	371.25	7	42.42	7	
1/4	2,928.98	1/4	2,562.07	1/4	2,195.16	1/4	1,828.25	1/4	1,461.33	1/4	1,094.42	1/4	727.51	1/4	363.92	1/4	37.16	1/4	
1/2	2,921.34	1/2	2,554.42	1/2	2,187.51	1/2	1,820.60	1/2	1,453.69	1/2	1,086.78	1/2	719.86	1/2	356.60	1/2	31.90	1/2	
3/4	2,913.70	3/4	2,546.78	3/4	2,179.87	3/4	1,812.96	3/4	1,446.05	3/4	1,079.14	3/4	712.22	3/4	349.27	3/4	26.64	3/4	
8	2,906.05	8	2,539.14	8	2,172.23	8	1,805.31	8	1,438.40	8	1,071.49	8	704.58	8	342.00	8	22.83	8	
1/4	2,898.41	1/4	2,531.49	1/4	2,164.58	1/4	1,797.67	1/4	1,430.76	1/4	1,063.85	1/4	696.93	1/4	334.74	1/4	19.02	1/4	
1/2	2,890.76	1/2	2,523.85	1/2	2,156.94	1/2	1,790.02	1/2	1,423.11	1/2	1,056.20	1/2	689.29	1/2	327.47	1/2	15.22	1/2	
3/4	2,883.12	3/4	2,516.21	3/4	2,149.30	3/4	1,782.38	3/4	1,415.47	3/4	1,048.56	3/4	681.65	3/4	320.21	3/4	11.41	3/4	
9	2,875.47	9	2,508.56	9	2,141.65	9	1,774.74	9	1,407.83	9	1,040.91	9	674.00	9	313.00	9	9.27	9	
1/4	2,867.83	1/4	2,500.92	1/4	2,134.01	1/4	1,767.09	1/4	1,400.18	1/4	1,033.27	1/4	666.36	1/4	305.80	1/4	7.12	1/4	
1/2	2,860.18	1/2	2,493.27	1/2	2,126.36	1/2	1,759.45	1/2	1,392.54	1/2	1,025.62	1/2	658.71	1/2	298.59	1/2	4.98	1/2	
3/4	2,852.54	3/4	2,485.63	3/4	2,118.72	3/4	1,751.81	3/4	1,384.90	3/4	1,017.98	3/4	651.07	3/4	291.39	3/4	2.84	3/4	
10	2,844.90	10	2,477.99	10	2,111.07	10	1,744.16	10	1,377.25	10	1,010.34	10	643.43	10	284.25	10		10	
1/4	2,837.25	1/4	2,470.34	1/4	2,103.43	1/4	1,736.52	1/4	1,369.61	1/4	1,002.69	1/4	635.78	1/4	277.11	1/4		1/4	
1/2	2,829.61	1/2	2,462.70	1/2	2,095.78	1/2	1,728.87	1/2	1,361.96	1/2	995.05	1/2	628.14	1/2	269.97	1/2		1/2	
3/4	2,821.97	3/4	2,455.06	3/4	2,088.14	3/4	1,721.23	3/4	1,354.32	3/4	987.41	3/4	620.50	3/4	262.83	3/4		3/4	
11	2,814.32	11	2,447.41	11	2,080.50	11	1,713.59	11	1,346.67	11	979.76	11	612.85	11	255.75	11		11	
1/4	2,806.68	1/4	2,439.77	1/4	2,072.85	1/4	1,705.94	1/4	1,339.03	1/4	972.12	1/4	605.21	1/4	248.68	1/4		1/4	
1/2	2,799.03	1/2	2,432.12	1/2	2,065.21	1/2	1,698.30	1/2	1,331.38	1/2	964.47	1/2	597.56	1/2	241.60	1/2		1/2	
3/4	2,791.39	3/4	2,424.48	3/4	2,057.57	3/4	1,690.66	3/4	1,323.74	3/4	956.83	3/4	589.92	3/4	234.53	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/2005 INSP.  
RECOMPUTED: 04/11/2023 JS  
REPRINTED: 04/11/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2023

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



# BARGE "MMI 3046"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-10"

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		0		4,992.86	0	4,625.95	0	4,259.04	0	3,892.13	0	3,525.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,985.22	1/4	4,618.31	1/4	4,251.39	1/4	3,884.48	1/4	3,517.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,977.58	1/2	4,610.66	1/2	4,243.73	1/2	3,876.84	1/2	3,509.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,969.93	3/4	4,603.02	3/4	4,236.08	3/4	3,869.19	3/4	3,502.28		
1		1		1		1		1		4,962.29	1	4,595.38	1	4,228.43	1	3,861.55	1	3,494.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,954.65	1/4	4,587.73	1/4	4,220.79	1/4	3,853.91	1/4	3,486.99		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,947.00	1/2	4,580.09	1/2	4,213.16	1/2	3,846.26	1/2	3,479.35		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,202.94	3/4	4,939.36	3/4	4,572.44	3/4	4,205.52	3/4	3,838.62	3/4	3,471.70
2		2		2		2		2		5,202.52	2	4,931.71	2	4,564.80	2	4,197.89	2	3,830.98	2	3,464.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,201.61	1/4	4,924.07	1/4	4,557.15	1/4	4,190.24	1/4	3,823.33	1/4	3,456.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,200.69	1/2	4,916.43	1/2	4,549.51	1/2	4,182.60	1/2	3,815.69	1/2	3,448.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,199.78	3/4	4,908.78	3/4	4,541.86	3/4	4,174.95	3/4	3,808.04	3/4	3,441.13
3		3		3		3		3		5,198.86	3	4,901.14	3	4,534.22	3	4,167.31	3	3,800.40	3	3,433.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,196.88	1/4	4,893.50	1/4	4,526.58	1/4	4,159.67	1/4	3,792.75	1/4	3,425.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,194.91	1/2	4,885.85	1/2	4,518.93	1/2	4,152.02	1/2	3,785.11	1/2	3,418.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,192.93	3/4	4,878.21	3/4	4,511.29	3/4	4,144.38	3/4	3,777.46	3/4	3,410.55
4		4		4		4		4		5,190.95	4	4,870.56	4	4,503.65	4	4,136.74	4	3,769.82	4	3,402.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,187.84	1/4	4,862.92	1/4	4,496.00	1/4	4,129.09	1/4	3,762.18	1/4	3,395.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,184.73	1/2	4,855.27	1/2	4,488.36	1/2	4,121.45	1/2	3,754.53	1/2	3,387.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,181.62	3/4	4,847.63	3/4	4,480.71	3/4	4,113.80	3/4	3,746.89	3/4	3,379.98
5		5		5		5		5		5,178.51	5	4,839.98	5	4,473.07	5	4,106.16	5	3,739.25	5	3,372.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,174.27	1/4	4,832.34	1/4	4,465.43	1/4	4,098.51	1/4	3,731.60	1/4	3,364.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,170.03	1/2	4,824.70	1/2	4,457.78	1/2	4,090.87	1/2	3,723.96	1/2	3,357.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,165.79	3/4	4,817.05	3/4	4,450.14	3/4	4,083.22	3/4	3,716.31	3/4	3,349.40
6		6		6		6		6		5,161.55	6	4,809.41	6	4,442.50	6	4,075.58	6	3,708.67	6	3,341.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,156.18	1/4	4,801.76	1/4	4,434.85	1/4	4,067.94	1/4	3,701.03	1/4	3,334.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,150.80	1/2	4,794.12	1/2	4,427.21	1/2	4,060.29	1/2	3,693.38	1/2	3,326.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,145.43	3/4	4,786.47	3/4	4,419.56	3/4	4,052.65	3/4	3,685.74	3/4	3,318.82
7		7		7		7		7		5,140.05	7	4,778.83	7	4,411.92	7	4,045.01	7	3,678.10	7	3,311.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,133.54	1/4	4,771.19	1/4	4,404.27	1/4	4,037.36	1/4	3,670.45	1/4	3,303.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,127.04	1/2	4,763.54	1/2	4,396.63	1/2	4,029.72	1/2	3,662.81	1/2	3,295.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,120.53	3/4	4,755.90	3/4	4,388.98	3/4	4,022.07	3/4	3,655.16	3/4	3,288.25
8		8		8		8		8		5,114.02	8	4,748.26	8	4,381.34	8	4,014.43	8	3,647.52	8	3,280.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,106.66	1/4	4,740.61	1/4	4,373.70	1/4	4,006.79	1/4	3,639.87	1/4	3,272.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,099.31	1/2	4,732.97	1/2	4,366.05	1/2	3,999.14	1/2	3,632.23	1/2	3,265.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,091.95	3/4	4,725.32	3/4	4,358.41	3/4	3,991.50	3/4	3,624.58	3/4	3,257.67
9		9		9		9		9		5,084.59	9	4,717.68	9	4,350.77	9	3,983.86	9	3,616.94	9	3,250.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,076.95	1/4	4,710.03	1/4	4,343.12	1/4	3,976.21	1/4	3,609.30	1/4	3,242.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,069.31	1/2	4,702.39	1/2	4,335.48	1/2	3,968.57	1/2	3,601.65	1/2	3,234.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,061.66	3/4	4,694.74	3/4	4,327.83	3/4	3,960.92	3/4	3,594.01	3/4	3,227.10
10		10		10		10		10		5,054.02	10	4,687.10	10	4,320.19	10	3,953.28	10	3,586.37	10	3,219.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,046.38	1/4	4,679.46	1/4	4,312.55	1/4	3,945.63	1/4	3,578.72	1/4	3,211.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,038.73	1/2	4,671.81	1/2	4,304.90	1/2	3,937.99	1/2	3,571.08	1/2	3,204.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,031.09	3/4	4,664.17	3/4	4,297.26	3/4	3,930.34	3/4	3,563.43	3/4	3,196.52
11		11		11		11		11		5,023.44	11	4,656.53	11	4,289.62	11	3,922.70	11	3,555.79	11	3,188.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,015.80	1/4	4,648.88	1/4	4,281.97	1/4	3,915.06	1/4	3,548.15	1/4	3,181.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,008.15	1/2	4,641.24	1/2	4,274.33	1/2	3,907.41	1/2	3,540.50	1/2	3,173.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,000.51	3/4	4,633.59	3/4	4,266.68	3/4	3,899.77	3/4	3,532.86	3/4	3,165.94

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 DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 3'-00" OFF CENTERLINE AND 1'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "MMI 3046"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-10"

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	3,158.30	0	2,791.39	0	2,424.48	0	2,057.57	0	1,690.66	0	1,323.74	0	956.83	0	589.92	0	234.53	0	
1/4	3,150.66	1/4	2,783.75	1/4	2,416.83	1/4	2,049.92	1/4	1,683.01	1/4	1,316.10	1/4	949.19	1/4	582.27	1/4	227.51	1/4	
1/2	3,143.01	1/2	2,776.10	1/2	2,409.19	1/2	2,042.28	1/2	1,675.37	1/2	1,308.45	1/2	941.54	1/2	574.63	1/2	220.50	1/2	
3/4	3,135.37	3/4	2,768.46	3/4	2,401.54	3/4	2,034.63	3/4	1,667.72	3/4	1,300.81	3/4	933.90	3/4	566.98	3/4	213.48	3/4	
1	3,127.73	1	2,760.82	1	2,393.90	1	2,026.99	1	1,660.08	1	1,293.17	1	926.26	1	559.34	1	206.47	1	
1/4	3,120.08	1/4	2,753.17	1/4	2,386.26	1/4	2,019.35	1/4	1,652.43	1/4	1,285.52	1/4	918.61	1/4	551.70	1/4	199.52	1/4	
1/2	3,112.44	1/2	2,745.53	1/2	2,378.61	1/2	2,011.70	1/2	1,644.79	1/2	1,277.88	1/2	910.97	1/2	544.05	1/2	192.56	1/2	
3/4	3,104.79	3/4	2,737.88	3/4	2,370.97	3/4	2,004.06	3/4	1,637.14	3/4	1,270.23	3/4	903.32	3/4	536.41	3/4	185.61	3/4	
2	3,097.15	2	2,730.24	2	2,363.33	2	1,996.42	2	1,629.50	2	1,262.59	2	895.68	2	528.77	2	178.66	2	
1/4	3,089.51	1/4	2,722.59	1/4	2,355.68	1/4	1,988.77	1/4	1,621.86	1/4	1,254.95	1/4	888.03	1/4	521.16	1/4	171.89	1/4	
1/2	3,081.86	1/2	2,714.95	1/2	2,348.04	1/2	1,981.13	1/2	1,614.21	1/2	1,247.30	1/2	880.39	1/2	513.54	1/2	165.12	1/2	
3/4	3,074.22	3/4	2,707.30	3/4	2,340.39	3/4	1,973.48	3/4	1,606.57	3/4	1,239.66	3/4	872.74	3/4	505.93	3/4	158.36	3/4	
3	3,066.58	3	2,699.66	3	2,332.75	3	1,965.84	3	1,598.93	3	1,232.02	3	865.10	3	498.32	3	151.59	3	
1/4	3,058.93	1/4	2,692.02	1/4	2,325.11	1/4	1,958.19	1/4	1,591.28	1/4	1,224.37	1/4	857.46	1/4	490.74	1/4	145.00	1/4	
1/2	3,051.29	1/2	2,684.37	1/2	2,317.46	1/2	1,950.55	1/2	1,583.64	1/2	1,216.73	1/2	849.81	1/2	483.16	1/2	138.41	1/2	
3/4	3,043.64	3/4	2,676.73	3/4	2,309.82	3/4	1,942.90	3/4	1,575.99	3/4	1,209.08	3/4	842.17	3/4	475.59	3/4	131.83	3/4	
4	3,036.00	4	2,669.09	4	2,302.18	4	1,935.26	4	1,568.35	4	1,201.44	4	834.53	4	468.01	4	125.24	4	
1/4	3,028.35	1/4	2,661.44	1/4	2,294.53	1/4	1,927.62	1/4	1,560.71	1/4	1,193.79	1/4	826.89	1/4	460.49	1/4	118.71	1/4	
1/2	3,020.71	1/2	2,653.80	1/2	2,286.89	1/2	1,919.97	1/2	1,553.06	1/2	1,186.15	1/2	819.24	1/2	452.98	1/2	112.19	1/2	
3/4	3,013.06	3/4	2,646.15	3/4	2,279.24	3/4	1,912.33	3/4	1,545.42	3/4	1,178.50	3/4	811.60	3/4	445.46	3/4	105.66	3/4	
5	3,005.42	5	2,638.51	5	2,271.60	5	1,904.69	5	1,537.78	5	1,170.86	5	803.96	5	437.95	5	99.14	5	
1/4	2,997.78	1/4	2,630.87	1/4	2,263.95	1/4	1,897.04	1/4	1,530.13	1/4	1,163.22	1/4	796.31	1/4	430.50	1/4	92.68	1/4	
1/2	2,990.13	1/2	2,623.22	1/2	2,256.31	1/2	1,889.40	1/2	1,522.49	1/2	1,155.57	1/2	788.67	1/2	423.04	1/2	86.21	1/2	
3/4	2,982.49	3/4	2,615.58	3/4	2,248.66	3/4	1,881.75	3/4	1,514.84	3/4	1,147.93	3/4	781.02	3/4	415.59	3/4	79.75	3/4	
6	2,974.85	6	2,607.94	6	2,241.02	6	1,874.11	6	1,507.20	6	1,140.29	6	773.38	6	408.14	6	73.29	6	
1/4	2,967.20	1/4	2,600.29	1/4	2,233.38	1/4	1,866.47	1/4	1,499.55	1/4	1,132.64	1/4	765.73	1/4	400.75	1/4	66.89	1/4	
1/2	2,959.56	1/2	2,592.65	1/2	2,225.73	1/2	1,858.82	1/2	1,491.91	1/2	1,125.00	1/2	758.09	1/2	393.36	1/2	60.48	1/2	
3/4	2,951.91	3/4	2,585.00	3/4	2,218.09	3/4	1,851.18	3/4	1,484.26	3/4	1,117.35	3/4	750.44	3/4	385.97	3/4	54.08	3/4	
7	2,944.27	7	2,577.36	7	2,210.45	7	1,843.54	7	1,476.62	7	1,109.71	7	742.80	7	378.58	7	47.68	7	
1/4	2,936.63	1/4	2,569.71	1/4	2,202.80	1/4	1,835.89	1/4	1,468.98	1/4	1,102.07	1/4	735.15	1/4	371.25	1/4	42.42	1/4	
1/2	2,928.98	1/2	2,562.07	1/2	2,195.16	1/2	1,828.25	1/2	1,461.33	1/2	1,094.42	1/2	727.51	1/2	363.92	1/2	37.16	1/2	
3/4	2,921.34	3/4	2,554.42	3/4	2,187.51	3/4	1,820.60	3/4	1,453.69	3/4	1,086.78	3/4	719.86	3/4	356.60	3/4	31.90	3/4	
8	2,913.70	8	2,546.78	8	2,179.87	8	1,812.96	8	1,446.05	8	1,079.14	8	712.22	8	349.27	8	26.64	8	
1/4	2,906.05	1/4	2,539.14	1/4	2,172.23	1/4	1,805.31	1/4	1,438.40	1/4	1,071.49	1/4	704.58	1/4	342.00	1/4	22.83	1/4	
1/2	2,898.41	1/2	2,531.49	1/2	2,164.58	1/2	1,797.67	1/2	1,430.76	1/2	1,063.85	1/2	696.93	1/2	334.74	1/2	19.02	1/2	
3/4	2,890.76	3/4	2,523.85	3/4	2,156.94	3/4	1,790.02	3/4	1,423.11	3/4	1,056.20	3/4	689.29	3/4	327.47	3/4	15.22	3/4	
9	2,883.12	9	2,516.21	9	2,149.30	9	1,782.38	9	1,415.47	9	1,048.56	9	681.65	9	320.21	9	11.41	9	
1/4	2,875.47	1/4	2,508.56	1/4	2,141.65	1/4	1,774.74	1/4	1,407.83	1/4	1,040.91	1/4	674.00	1/4	313.00	1/4	9.27	1/4	
1/2	2,867.83	1/2	2,500.92	1/2	2,134.01	1/2	1,767.09	1/2	1,400.18	1/2	1,033.27	1/2	666.36	1/2	305.80	1/2	7.12	1/2	
3/4	2,860.18	3/4	2,493.27	3/4	2,126.36	3/4	1,759.45	3/4	1,392.54	3/4	1,025.62	3/4	658.71	3/4	298.59	3/4	4.98	3/4	
10	2,852.54	10	2,485.63	10	2,118.72	10	1,751.81	10	1,384.90	10	1,017.98	10	651.07	10	291.39	10	2.84	10	
1/4	2,844.90	1/4	2,477.99	1/4	2,111.07	1/4	1,744.16	1/4	1,377.25	1/4	1,010.34	1/4	643.43	1/4	284.25	1/4		1/4	
1/2	2,837.25	1/2	2,470.34	1/2	2,103.43	1/2	1,736.52	1/2	1,369.61	1/2	1,002.69	1/2	635.78	1/2	277.11	1/2		1/2	
3/4	2,829.61	3/4	2,462.70	3/4	2,095.78	3/4	1,728.87	3/4	1,361.96	3/4	995.05	3/4	628.14	3/4	269.97	3/4		3/4	
11	2,821.97	11	2,455.06	11	2,088.14	11	1,721.23	11	1,354.32	11	987.41	11	620.50	11	262.83	11		11	
1/4	2,814.32	1/4	2,447.41	1/4	2,080.50	1/4	1,713.59	1/4	1,346.67	1/4	979.76	1/4	612.85	1/4	255.75	1/4		1/4	
1/2	2,806.68	1/2	2,439.77	1/2	2,072.85	1/2	1,705.94	1/2	1,339.03	1/2	972.12	1/2	605.21	1/2	248.68	1/2		1/2	
3/4	2,799.03	3/4	2,432.12	3/4	2,065.21	3/4	1,698.30	3/4	1,331.38	3/4	964.47	3/4	597.56	3/4	241.60	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/2005 INSP.  
RECOMPUTED: 04/11/2023 JS  
REPRINTED: 04/11/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2023

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



# BARGE "MMI 3046"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-10"

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		0		4,722.45	0	4,379.09	0	4,034.64	0	3,690.20	0	3,345.75		
1/4		1/4		1/4		1/4		1/4		4,715.31	1/4	4,371.92	1/4	4,027.47	1/4	3,683.02	1/4	3,338.57		
1/2		1/2		1/2		1/2		1/2		4,708.17	1/2	4,364.74	1/2	4,020.29	1/2	3,675.84	1/2	3,331.39		
3/4		3/4		3/4		3/4		3/4		4,701.02	3/4	4,357.57	3/4	4,013.12	3/4	3,668.67	3/4	3,324.22		
1		1		1		1		1		4,693.88	1	4,350.39	1	4,005.94	1	3,661.49	1	3,317.04		
1/4		1/4		1/4		1/4		1/4		4,686.74	1/4	4,343.21	1/4	3,998.76	1/4	3,654.31	1/4	3,309.86		
1/2		1/2		1/2		1/2		1/2		4,679.60	1/2	4,336.04	1/2	3,991.59	1/2	3,647.14	1/2	3,302.69		
3/4		3/4		3/4		3/4		3/4	4,919.26	4,672.46	3/4	4,328.86	3/4	3,984.41	3/4	3,639.96	3/4	3,295.51		
2		2		2		2		2		4,918.86	2	4,665.32	2	4,321.68	2	3,977.24	2	3,632.79	2	3,288.34
1/4		1/4		1/4		1/4		1/4	4,918.00	4,658.18	1/4	4,314.51	1/4	3,970.06	1/4	3,625.61	1/4	3,281.16		
1/2		1/2		1/2		1/2		1/2	4,917.14	4,651.04	1/2	4,307.33	1/2	3,962.88	1/2	3,618.43	1/2	3,273.99		
3/4		3/4		3/4		3/4		3/4	4,916.27	4,643.89	3/4	4,300.16	3/4	3,955.71	3/4	3,611.26	3/4	3,266.81		
3		3		3		3		3		4,915.41	3	4,293.75	3	4,292.98	3	3,948.53	3	3,604.08	3	3,259.64
1/4		1/4		1/4		1/4		1/4	4,913.55	4,629.61	1/4	4,285.81	1/4	3,941.36	1/4	3,596.90	1/4	3,252.46		
1/2		1/2		1/2		1/2		1/2	4,911.69	4,622.47	1/2	4,278.63	1/2	3,934.18	1/2	3,589.73	1/2	3,245.28		
3/4		3/4		3/4		3/4		3/4	4,909.82	4,615.32	3/4	4,271.46	3/4	3,927.00	3/4	3,582.55	3/4	3,238.11		
4		4		4		4		4		4,907.96	4	4,264.28	4	3,919.83	4	3,575.38	4	3,230.93		
1/4		1/4		1/4		1/4		1/4	4,905.04	4,601.04	1/4	4,257.10	1/4	3,912.65	1/4	3,568.20	1/4	3,223.75		
1/2		1/2		1/2		1/2		1/2	4,902.11	4,593.90	1/2	4,249.93	1/2	3,905.47	1/2	3,561.03	1/2	3,216.58		
3/4		3/4		3/4		3/4		3/4	4,899.19	4,586.75	3/4	4,242.75	3/4	3,898.30	3/4	3,553.85	3/4	3,209.40		
5		5		5		5		5		4,896.26	5	4,235.57	5	3,891.12	5	3,546.68	5	3,202.23		
1/4		1/4		1/4		1/4		1/4	4,892.27	4,572.47	1/4	4,228.40	1/4	3,883.95	1/4	3,539.50	1/4	3,195.05		
1/2		1/2		1/2		1/2		1/2	4,888.27	4,565.33	1/2	4,221.22	1/2	3,876.77	1/2	3,532.32	1/2	3,187.87		
3/4		3/4		3/4		3/4		3/4	4,884.28	4,558.18	3/4	4,214.05	3/4	3,869.59	3/4	3,525.15	3/4	3,180.70		
6		6		6		6		6		4,880.28	6	4,551.04	6	4,206.87	6	3,862.42	6	3,517.97	6	3,173.52
1/4		1/4		1/4		1/4		1/4	4,875.22	4,543.90	1/4	4,199.69	1/4	3,855.24	1/4	3,510.79	1/4	3,166.34		
1/2		1/2		1/2		1/2		1/2	4,870.17	4,536.76	1/2	4,192.52	1/2	3,848.07	1/2	3,503.62	1/2	3,159.17		
3/4		3/4		3/4		3/4		3/4	4,865.11	4,529.62	3/4	4,185.34	3/4	3,840.89	3/4	3,496.44	3/4	3,151.99		
7		7		7		7		7		4,860.05	7	4,522.48	7	4,178.16	7	3,833.72	7	3,489.27	7	3,144.82
1/4		1/4		1/4		1/4		1/4	4,853.95	4,515.34	1/4	4,170.99	1/4	3,826.54	1/4	3,482.09	1/4	3,137.64		
1/2		1/2		1/2		1/2		1/2	4,847.85	4,508.20	1/2	4,163.81	1/2	3,819.36	1/2	3,474.91	1/2	3,130.46		
3/4		3/4		3/4		3/4		3/4	4,841.75	4,501.05	3/4	4,156.64	3/4	3,812.19	3/4	3,467.74	3/4	3,123.28		
8		8		8		8		8		4,835.65	8	4,493.91	8	4,149.46	8	3,805.01	8	3,460.56	8	3,116.10
1/4		1/4		1/4		1/4		1/4	4,828.78	4,486.73	1/4	4,142.29	1/4	3,797.83	1/4	3,453.38	1/4	3,108.93		
1/2		1/2		1/2		1/2		1/2	4,821.91	4,479.56	1/2	4,135.11	1/2	3,790.66	1/2	3,446.21	1/2	3,101.76		
3/4		3/4		3/4		3/4		3/4	4,815.03	4,472.38	3/4	4,127.93	3/4	3,783.48	3/4	3,439.03	3/4	3,094.58		
9		9		9		9		9		4,808.16	9	4,465.20	9	4,120.76	9	3,776.31	9	3,431.86	9	3,087.41
1/4		1/4		1/4		1/4		1/4	4,801.02	4,458.03	1/4	4,113.58	1/4	3,769.13	1/4	3,424.68	1/4	3,080.23		
1/2		1/2		1/2		1/2		1/2	4,793.88	4,450.85	1/2	4,106.41	1/2	3,761.95	1/2	3,417.51	1/2	3,073.06		
3/4		3/4		3/4		3/4		3/4	4,786.73	4,443.68	3/4	4,099.23	3/4	3,754.78	3/4	3,410.33	3/4	3,065.88		
10		10		10		10		10		4,779.59	10	4,436.50	10	4,092.05	10	3,747.60	10	3,403.16	10	3,058.71
1/4		1/4		1/4		1/4		1/4	4,772.45	4,429.33	1/4	4,084.88	1/4	3,740.42	1/4	3,395.98	1/4	3,051.53		
1/2		1/2		1/2		1/2		1/2	4,765.31	4,422.15	1/2	4,077.70	1/2	3,733.25	1/2	3,388.80	1/2	3,044.35		
3/4		3/4		3/4		3/4		3/4	4,758.16	4,414.98	3/4	4,070.53	3/4	3,726.07	3/4	3,381.63	3/4	3,037.18		
11		11		11		11		11		4,751.02	11	4,407.80	11	4,063.35	11	3,718.90	11	3,374.45	11	3,030.00
1/4		1/4		1/4		1/4		1/4	4,743.88	4,400.62	1/4	4,056.17	1/4	3,711.72	1/4	3,367.27	1/4	3,022.82		
1/2		1/2		1/2		1/2		1/2	4,736.74	4,393.45	1/2	4,049.00	1/2	3,704.55	1/2	3,360.10	1/2	3,015.65		
3/4		3/4		3/4		3/4		3/4	4,729.59	4,386.27	3/4	4,041.82	3/4	3,697.37	3/4	3,352.92	3/4	3,008.47		

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 DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 3'-00" OFF CENTERLINE AND 1'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "MMI 3046"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-10"

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	3,001.30	0	2,656.85	0	2,312.40	0	1,967.96	0	1,623.51	0	1,279.06	0	934.61	0	590.16	0	245.72	0	
1/4	2,994.12	1/4	2,649.67	1/4	2,305.22	1/4	1,960.78	1/4	1,616.33	1/4	1,271.88	1/4	927.43	1/4	582.98	1/4	238.54	1/4	
1/2	2,986.95	1/2	2,642.50	1/2	2,298.05	1/2	1,953.60	1/2	1,609.15	1/2	1,264.71	1/2	920.26	1/2	575.81	1/2	231.36	1/2	
3/4	2,979.77	3/4	2,635.32	3/4	2,290.87	3/4	1,946.43	3/4	1,601.98	3/4	1,257.53	3/4	913.08	3/4	568.63	3/4	224.19	3/4	
1	2,972.60	1	2,628.15	1	2,283.70	1	1,939.25	1	1,594.80	1	1,250.36	1	905.91	1	561.46	1	217.01	1	
1/4	2,965.42	1/4	2,620.97	1/4	2,276.52	1/4	1,932.07	1/4	1,587.62	1/4	1,243.18	1/4	898.73	1/4	554.28	1/4	209.83	1/4	
1/2	2,958.24	1/2	2,613.79	1/2	2,269.35	1/2	1,924.90	1/2	1,580.45	1/2	1,236.00	1/2	891.55	1/2	547.11	1/2	202.66	1/2	
3/4	2,951.07	3/4	2,606.62	3/4	2,262.17	3/4	1,917.72	3/4	1,573.27	3/4	1,228.83	3/4	884.38	3/4	539.93	3/4	195.48	3/4	
2	2,943.89	2	2,599.44	2	2,255.00	2	1,910.55	2	1,566.10	2	1,221.65	2	877.20	2	532.76	2	188.31	2	
1/4	2,936.71	1/4	2,592.26	1/4	2,247.82	1/4	1,903.37	1/4	1,558.92	1/4	1,214.47	1/4	870.02	1/4	525.58	1/4	181.25	1/4	
1/2	2,929.54	1/2	2,585.09	1/2	2,240.64	1/2	1,896.19	1/2	1,551.75	1/2	1,207.30	1/2	862.85	1/2	518.40	1/2	174.20	1/2	
3/4	2,922.36	3/4	2,577.91	3/4	2,233.47	3/4	1,889.02	3/4	1,544.57	3/4	1,200.12	3/4	855.67	3/4	511.23	3/4	167.14	3/4	
3	2,915.19	3	2,570.74	3	2,226.29	3	1,881.84	3	1,537.40	3	1,192.95	3	848.50	3	504.05	3	160.09	3	
1/4	2,908.01	1/4	2,563.56	1/4	2,219.11	1/4	1,874.66	1/4	1,530.22	1/4	1,185.77	1/4	841.32	1/4	496.87	1/4	153.15	1/4	
1/2	2,900.83	1/2	2,556.39	1/2	2,211.94	1/2	1,867.49	1/2	1,523.04	1/2	1,178.59	1/2	834.15	1/2	489.70	1/2	146.22	1/2	
3/4	2,893.66	3/4	2,549.21	3/4	2,204.76	3/4	1,860.31	3/4	1,515.87	3/4	1,171.42	3/4	826.97	3/4	482.52	3/4	139.28	3/4	
4	2,886.48	4	2,542.04	4	2,197.59	4	1,853.14	4	1,508.69	4	1,164.24	4	819.80	4	475.35	4	132.35	4	
1/4	2,879.30	1/4	2,534.86	1/4	2,190.41	1/4	1,845.96	1/4	1,501.51	1/4	1,157.06	1/4	812.62	1/4	468.17	1/4	125.42	1/4	
1/2	2,872.13	1/2	2,527.68	1/2	2,183.23	1/2	1,838.79	1/2	1,494.34	1/2	1,149.89	1/2	805.44	1/2	460.99	1/2	118.48	1/2	
3/4	2,864.95	3/4	2,520.51	3/4	2,176.06	3/4	1,831.61	3/4	1,487.16	3/4	1,142.71	3/4	798.27	3/4	453.82	3/4	111.55	3/4	
5	2,857.78	5	2,513.33	5	2,168.88	5	1,824.44	5	1,479.99	5	1,135.54	5	791.09	5	446.64	5	104.62	5	
1/4	2,850.60	1/4	2,506.15	1/4	2,161.70	1/4	1,817.26	1/4	1,472.81	1/4	1,128.36	1/4	783.91	1/4	439.46	1/4	97.68	1/4	
1/2	2,843.43	1/2	2,498.98	1/2	2,154.53	1/2	1,810.08	1/2	1,465.63	1/2	1,121.19	1/2	776.74	1/2	432.29	1/2	90.75	1/2	
3/4	2,836.25	3/4	2,491.80	3/4	2,147.35	3/4	1,802.91	3/4	1,458.46	3/4	1,114.01	3/4	769.56	3/4	425.11	3/4	83.81	3/4	
6	2,829.08	6	2,484.63	6	2,140.18	6	1,795.73	6	1,451.28	6	1,106.84	6	762.39	6	417.94	6	76.88	6	
1/4	2,821.90	1/4	2,477.45	1/4	2,133.00	1/4	1,788.55	1/4	1,444.10	1/4	1,099.66	1/4	755.21	1/4	410.76	1/4	69.94	1/4	
1/2	2,814.72	1/2	2,470.27	1/2	2,125.83	1/2	1,781.38	1/2	1,436.93	1/2	1,092.48	1/2	748.03	1/2	403.59	1/2	63.01	1/2	
3/4	2,807.55	3/4	2,463.10	3/4	2,118.65	3/4	1,774.20	3/4	1,429.75	3/4	1,085.31	3/4	740.86	3/4	396.41	3/4	56.07	3/4	
7	2,800.37	7	2,455.92	7	2,111.48	7	1,767.03	7	1,422.58	7	1,078.13	7	733.68	7	389.24	7	49.14	7	
1/4	2,793.19	1/4	2,448.74	1/4	2,104.30	1/4	1,759.85	1/4	1,415.40	1/4	1,070.95	1/4	726.50	1/4	382.06	1/4	43.47	1/4	
1/2	2,786.02	1/2	2,441.57	1/2	2,097.12	1/2	1,752.67	1/2	1,408.23	1/2	1,063.78	1/2	719.33	1/2	374.88	1/2	37.81	1/2	
3/4	2,778.84	3/4	2,434.39	3/4	2,089.95	3/4	1,745.50	3/4	1,401.05	3/4	1,056.60	3/4	712.15	3/4	367.71	3/4	32.14	3/4	
8	2,771.67	8	2,427.22	8	2,082.77	8	1,738.32	8	1,393.88	8	1,049.43	8	704.98	8	360.53	8	26.48	8	
1/4	2,764.49	1/4	2,420.04	1/4	2,075.59	1/4	1,731.14	1/4	1,386.70	1/4	1,042.25	1/4	697.80	1/4	353.35	1/4	22.49	1/4	
1/2	2,757.31	1/2	2,412.87	1/2	2,068.42	1/2	1,723.97	1/2	1,379.52	1/2	1,035.07	1/2	690.63	1/2	346.18	1/2	18.51	1/2	
3/4	2,750.14	3/4	2,405.69	3/4	2,061.24	3/4	1,716.79	3/4	1,372.35	3/4	1,027.90	3/4	683.45	3/4	339.00	3/4	14.52	3/4	
9	2,742.96	9	2,398.52	9	2,054.07	9	1,709.62	9	1,365.17	9	1,020.72	9	676.28	9	331.83	9	10.54	9	
1/4	2,735.78	1/4	2,391.34	1/4	2,046.89	1/4	1,702.44	1/4	1,357.99	1/4	1,013.54	1/4	669.10	1/4	324.65	1/4	8.49	1/4	
1/2	2,728.61	1/2	2,384.16	1/2	2,039.71	1/2	1,695.27	1/2	1,350.82	1/2	1,006.37	1/2	661.92	1/2	317.47	1/2	6.43	1/2	
3/4	2,721.43	3/4	2,376.99	3/4	2,032.54	3/4	1,688.09	3/4	1,343.64	3/4	999.19	3/4	654.75	3/4	310.30	3/4	4.38	3/4	
10	2,714.26	10	2,369.81	10	2,025.36	10	1,680.92	10	1,336.47	10	992.02	10	647.57	10	303.12	10	2.33	10	
1/4	2,707.08	1/4	2,362.63	1/4	2,018.18	1/4	1,673.74	1/4	1,329.29	1/4	984.84	1/4	640.39	1/4	295.94	1/4		1/4	
1/2	2,699.91	1/2	2,355.46	1/2	2,011.01	1/2	1,666.56	1/2	1,322.11	1/2	977.67	1/2	633.22	1/2	288.77	1/2		1/2	
3/4	2,692.73	3/4	2,348.28	3/4	2,003.83	3/4	1,659.39	3/4	1,314.94	3/4	970.49	3/4	626.04	3/4	281.59	3/4		3/4	
11	2,685.56	11	2,341.11	11	1,996.66	11	1,652.21	11	1,307.76	11	963.32	11	618.87	11	274.42	11		11	
1/4	2,678.38	1/4	2,333.93	1/4	1,989.48	1/4	1,645.03	1/4	1,300.58	1/4	956.14	1/4	611.69	1/4	267.24	1/4		1/4	
1/2	2,671.20	1/2	2,326.75	1/2	1,982.31	1/2	1,637.86	1/2	1,293.41	1/2	948.96	1/2	604.51	1/2	260.07	1/2		1/2	
3/4	2,664.03	3/4	2,319.58	3/4	1,975.13	3/4	1,630.68	3/4	1,286.23	3/4	941.79	3/4	597.34	3/4	252.89	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/2005 INSP.  
RECOMPUTED: 04/11/2023 JS  
REPRINTED: 04/11/2023 JS

PRECISION MEASUREMENT  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2023



# BARGE "MMI 3046"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-10 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		0		0	4,736.74	0	4,393.45	0	4,049.00	0	3,704.55	0	3,360.10
1/4		1/4		1/4		1/4		1/4		1/4	4,729.59	1/4	4,386.27	1/4	4,041.82	1/4	3,697.37	1/4	3,352.92
1/2		1/2		1/2		1/2		1/2		1/2	4,722.45	1/2	4,379.09	1/2	4,034.64	1/2	3,690.20	1/2	3,345.75
3/4		3/4		3/4		3/4		3/4		3/4	4,715.31	3/4	4,371.92	3/4	4,027.47	3/4	3,683.02	3/4	3,338.57
1		1		1		1		1		1	4,708.17	1	4,364.74	1	4,020.29	1	3,675.84	1	3,331.39
1/4		1/4		1/4		1/4		1/4		1/4	4,701.02	1/4	4,357.57	1/4	4,013.12	1/4	3,668.67	1/4	3,324.22
1/2		1/2		1/2		1/2		1/2		1/2	4,693.88	1/2	4,350.39	1/2	4,005.94	1/2	3,661.49	1/2	3,317.04
3/4		3/4		3/4		3/4		3/4		3/4	4,686.74	3/4	4,343.21	3/4	3,998.76	3/4	3,654.31	3/4	3,309.86
2		2		2		2		2		2	4,679.60	2	4,336.04	2	3,991.59	2	3,647.14	2	3,302.69
1/4		1/4		1/4		1/4		1/4	4,919.26	1/4	4,672.46	1/4	4,328.86	1/4	3,984.41	1/4	3,639.96	1/4	3,295.51
1/2		1/2		1/2		1/2		1/2	4,918.86	1/2	4,665.32	1/2	4,321.68	1/2	3,977.24	1/2	3,632.79	1/2	3,288.34
3/4		3/4		3/4		3/4		3/4	4,918.00	3/4	4,658.18	3/4	4,314.51	3/4	3,970.06	3/4	3,625.61	3/4	3,281.16
3		3		3		3		3	4,917.14	3	4,651.04	3	4,307.33	3	3,962.88	3	3,618.43	3	3,273.99
1/4		1/4		1/4		1/4		1/4	4,916.27	1/4	4,643.89	1/4	4,300.16	1/4	3,955.71	1/4	3,611.26	1/4	3,266.81
1/2		1/2		1/2		1/2		1/2	4,915.41	1/2	4,636.75	1/2	4,292.98	1/2	3,948.53	1/2	3,604.08	1/2	3,259.64
3/4		3/4		3/4		3/4		3/4	4,913.55	3/4	4,629.61	3/4	4,285.81	3/4	3,941.36	3/4	3,596.90	3/4	3,252.46
4		4		4		4		4	4,911.69	4	4,622.47	4	4,278.63	4	3,934.18	4	3,589.73	4	3,245.28
1/4		1/4		1/4		1/4		1/4	4,909.82	1/4	4,615.32	1/4	4,271.46	1/4	3,927.00	1/4	3,582.55	1/4	3,238.11
1/2		1/2		1/2		1/2		1/2	4,907.96	1/2	4,608.18	1/2	4,264.28	1/2	3,919.83	1/2	3,575.38	1/2	3,230.93
3/4		3/4		3/4		3/4		3/4	4,905.04	3/4	4,601.04	3/4	4,257.10	3/4	3,912.65	3/4	3,568.20	3/4	3,223.75
5		5		5		5		5	4,902.11	5	4,593.90	5	4,249.93	5	3,905.47	5	3,561.03	5	3,216.58
1/4		1/4		1/4		1/4		1/4	4,899.19	1/4	4,586.75	1/4	4,242.75	1/4	3,898.30	1/4	3,553.85	1/4	3,209.40
1/2		1/2		1/2		1/2		1/2	4,896.26	1/2	4,579.61	1/2	4,235.57	1/2	3,891.12	1/2	3,546.68	1/2	3,202.23
3/4		3/4		3/4		3/4		3/4	4,892.27	3/4	4,572.47	3/4	4,228.40	3/4	3,883.95	3/4	3,539.50	3/4	3,195.05
6		6		6		6		6	4,888.27	6	4,565.33	6	4,221.22	6	3,876.77	6	3,532.32	6	3,187.87
1/4		1/4		1/4		1/4		1/4	4,884.28	1/4	4,558.18	1/4	4,214.05	1/4	3,869.59	1/4	3,525.15	1/4	3,180.70
1/2		1/2		1/2		1/2		1/2	4,880.28	1/2	4,551.04	1/2	4,206.87	1/2	3,862.42	1/2	3,517.97	1/2	3,173.52
3/4		3/4		3/4		3/4		3/4	4,875.22	3/4	4,543.90	3/4	4,199.69	3/4	3,855.24	3/4	3,510.79	3/4	3,166.34
7		7		7		7		7	4,870.17	7	4,536.76	7	4,192.52	7	3,848.07	7	3,503.62	7	3,159.17
1/4		1/4		1/4		1/4		1/4	4,865.11	1/4	4,529.62	1/4	4,185.34	1/4	3,840.89	1/4	3,496.44	1/4	3,151.99
1/2		1/2		1/2		1/2		1/2	4,860.05	1/2	4,522.48	1/2	4,178.16	1/2	3,833.72	1/2	3,489.27	1/2	3,144.82
3/4		3/4		3/4		3/4		3/4	4,853.95	3/4	4,515.34	3/4	4,170.99	3/4	3,826.54	3/4	3,482.09	3/4	3,137.64
8		8		8		8		8	4,847.85	8	4,508.20	8	4,163.81	8	3,819.36	8	3,474.91	8	3,130.46
1/4		1/4		1/4		1/4		1/4	4,841.75	1/4	4,501.05	1/4	4,156.64	1/4	3,812.19	1/4	3,467.74	1/4	3,123.28
1/2		1/2		1/2		1/2		1/2	4,835.65	1/2	4,493.91	1/2	4,149.46	1/2	3,805.01	1/2	3,460.56	1/2	3,116.10
3/4		3/4		3/4		3/4		3/4	4,828.78	3/4	4,486.73	3/4	4,142.29	3/4	3,797.83	3/4	3,453.38	3/4	3,108.93
9		9		9		9		9	4,821.91	9	4,479.56	9	4,135.11	9	3,790.66	9	3,446.21	9	3,101.76
1/4		1/4		1/4		1/4		1/4	4,815.03	1/4	4,472.38	1/4	4,127.93	1/4	3,783.48	1/4	3,439.03	1/4	3,094.58
1/2		1/2		1/2		1/2		1/2	4,808.16	1/2	4,465.20	1/2	4,120.76	1/2	3,776.31	1/2	3,431.86	1/2	3,087.41
3/4		3/4		3/4		3/4		3/4	4,801.02	3/4	4,458.03	3/4	4,113.58	3/4	3,769.13	3/4	3,424.68	3/4	3,080.23
10		10		10		10		10	4,793.88	10	4,450.85	10	4,106.41	10	3,761.95	10	3,417.51	10	3,073.06
1/4		1/4		1/4		1/4		1/4	4,786.73	1/4	4,443.68	1/4	4,099.23	1/4	3,754.78	1/4	3,410.33	1/4	3,065.88
1/2		1/2		1/2		1/2		1/2	4,779.59	1/2	4,436.50	1/2	4,092.05	1/2	3,747.60	1/2	3,403.16	1/2	3,058.71
3/4		3/4		3/4		3/4		3/4	4,772.45	3/4	4,429.33	3/4	4,084.88	3/4	3,740.42	3/4	3,395.98	3/4	3,051.53
11		11		11		11		11	4,765.31	11	4,422.15	11	4,077.70	11	3,733.25	11	3,388.80	11	3,044.35
1/4		1/4		1/4		1/4		1/4	4,758.16	1/4	4,414.98	1/4	4,070.53	1/4	3,726.07	1/4	3,381.63	1/4	3,037.18
1/2		1/2		1/2		1/2		1/2	4,751.02	1/2	4,407.80	1/2	4,063.35	1/2	3,718.90	1/2	3,374.45	1/2	3,030.00
3/4		3/4		3/4		3/4		3/4	4,743.88	3/4	4,400.62	3/4	4,056.17	3/4	3,711.72	3/4	3,367.27	3/4	3,022.82

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 DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 3'-00" OFF CENTERLINE AND 1'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "MMI 3046"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,015.65	0	2,671.20	0	2,326.75	0	1,982.31	0	1,637.86	0	1,293.41	0	948.96	0	604.51	0	260.07	0	
1/4	3,008.47	1/4	2,664.03	1/4	2,319.58	1/4	1,975.13	1/4	1,630.68	1/4	1,286.23	1/4	941.79	1/4	597.34	1/4	252.89	1/4	
1/2	3,001.30	1/2	2,656.85	1/2	2,312.40	1/2	1,967.96	1/2	1,623.51	1/2	1,279.06	1/2	934.61	1/2	590.16	1/2	245.72	1/2	
3/4	2,994.12	3/4	2,649.67	3/4	2,305.22	3/4	1,960.78	3/4	1,616.33	3/4	1,271.88	3/4	927.43	3/4	582.98	3/4	238.54	3/4	
1	2,986.95	1	2,642.50	1	2,298.05	1	1,953.60	1	1,609.15	1	1,264.71	1	920.26	1	575.81	1	231.36	1	
1/4	2,979.77	1/4	2,635.32	1/4	2,290.87	1/4	1,946.43	1/4	1,601.98	1/4	1,257.53	1/4	913.08	1/4	568.63	1/4	224.19	1/4	
1/2	2,972.60	1/2	2,628.15	1/2	2,283.70	1/2	1,939.25	1/2	1,594.80	1/2	1,250.36	1/2	905.91	1/2	561.46	1/2	217.01	1/2	
3/4	2,965.42	3/4	2,620.97	3/4	2,276.52	3/4	1,932.07	3/4	1,587.62	3/4	1,243.18	3/4	898.73	3/4	554.28	3/4	209.83	3/4	
2	2,958.24	2	2,613.79	2	2,269.35	2	1,924.90	2	1,580.45	2	1,236.00	2	891.55	2	547.11	2	202.66	2	
1/4	2,951.07	1/4	2,606.62	1/4	2,262.17	1/4	1,917.72	1/4	1,573.27	1/4	1,228.83	1/4	884.38	1/4	539.93	1/4	195.48	1/4	
1/2	2,943.89	1/2	2,599.44	1/2	2,255.00	1/2	1,910.55	1/2	1,566.10	1/2	1,221.65	1/2	877.20	1/2	532.76	1/2	188.31	1/2	
3/4	2,936.71	3/4	2,592.26	3/4	2,247.82	3/4	1,903.37	3/4	1,558.92	3/4	1,214.47	3/4	870.02	3/4	525.58	3/4	181.25	3/4	
3	2,929.54	3	2,585.09	3	2,240.64	3	1,896.19	3	1,551.75	3	1,207.30	3	862.85	3	518.40	3	174.20	3	
1/4	2,922.36	1/4	2,577.91	1/4	2,233.47	1/4	1,889.02	1/4	1,544.57	1/4	1,200.12	1/4	855.67	1/4	511.23	1/4	167.14	1/4	
1/2	2,915.19	1/2	2,570.74	1/2	2,226.29	1/2	1,881.84	1/2	1,537.40	1/2	1,192.95	1/2	848.50	1/2	504.05	1/2	160.09	1/2	
3/4	2,908.01	3/4	2,563.56	3/4	2,219.11	3/4	1,874.66	3/4	1,530.22	3/4	1,185.77	3/4	841.32	3/4	496.87	3/4	153.15	3/4	
4	2,900.83	4	2,556.39	4	2,211.94	4	1,867.49	4	1,523.04	4	1,178.59	4	834.15	4	489.70	4	146.22	4	
1/4	2,893.66	1/4	2,549.21	1/4	2,204.76	1/4	1,860.31	1/4	1,515.87	1/4	1,171.42	1/4	826.97	1/4	482.52	1/4	139.28	1/4	
1/2	2,886.48	1/2	2,542.04	1/2	2,197.59	1/2	1,853.14	1/2	1,508.69	1/2	1,164.24	1/2	819.80	1/2	475.35	1/2	132.35	1/2	
3/4	2,879.30	3/4	2,534.86	3/4	2,190.41	3/4	1,845.96	3/4	1,501.51	3/4	1,157.06	3/4	812.62	3/4	468.17	3/4	125.42	3/4	
5	2,872.13	5	2,527.68	5	2,183.23	5	1,838.79	5	1,494.34	5	1,149.89	5	805.44	5	460.99	5	118.48	5	
1/4	2,864.95	1/4	2,520.51	1/4	2,176.06	1/4	1,831.61	1/4	1,487.16	1/4	1,142.71	1/4	798.27	1/4	453.82	1/4	111.55	1/4	
1/2	2,857.78	1/2	2,513.33	1/2	2,168.88	1/2	1,824.44	1/2	1,479.99	1/2	1,135.54	1/2	791.09	1/2	446.64	1/2	104.62	1/2	
3/4	2,850.60	3/4	2,506.15	3/4	2,161.70	3/4	1,817.26	3/4	1,472.81	3/4	1,128.36	3/4	783.91	3/4	439.46	3/4	97.68	3/4	
6	2,843.43	6	2,498.98	6	2,154.53	6	1,810.08	6	1,465.63	6	1,121.19	6	776.74	6	432.29	6	90.75	6	
1/4	2,836.25	1/4	2,491.80	1/4	2,147.35	1/4	1,802.91	1/4	1,458.46	1/4	1,114.01	1/4	769.56	1/4	425.11	1/4	83.81	1/4	
1/2	2,829.08	1/2	2,484.63	1/2	2,140.18	1/2	1,795.73	1/2	1,451.28	1/2	1,106.84	1/2	762.39	1/2	417.94	1/2	76.88	1/2	
3/4	2,821.90	3/4	2,477.45	3/4	2,133.00	3/4	1,788.55	3/4	1,444.10	3/4	1,099.66	3/4	755.21	3/4	410.76	3/4	69.94	3/4	
7	2,814.72	7	2,470.27	7	2,125.83	7	1,781.38	7	1,436.93	7	1,092.48	7	748.03	7	403.59	7	63.01	7	
1/4	2,807.55	1/4	2,463.10	1/4	2,118.65	1/4	1,774.20	1/4	1,429.75	1/4	1,085.31	1/4	740.86	1/4	396.41	1/4	56.07	1/4	
1/2	2,800.37	1/2	2,455.92	1/2	2,111.48	1/2	1,767.03	1/2	1,422.58	1/2	1,078.13	1/2	733.68	1/2	389.24	1/2	49.14	1/2	
3/4	2,793.19	3/4	2,448.74	3/4	2,104.30	3/4	1,759.85	3/4	1,415.40	3/4	1,070.95	3/4	726.50	3/4	382.06	3/4	42.47	3/4	
8	2,786.02	8	2,441.57	8	2,097.12	8	1,752.67	8	1,408.23	8	1,063.78	8	719.33	8	374.88	8	37.81	8	
1/4	2,778.84	1/4	2,434.39	1/4	2,089.95	1/4	1,745.50	1/4	1,401.05	1/4	1,056.60	1/4	712.15	1/4	367.71	1/4	32.14	1/4	
1/2	2,771.67	1/2	2,427.22	1/2	2,082.77	1/2	1,738.32	1/2	1,393.88	1/2	1,049.43	1/2	704.98	1/2	360.53	1/2	26.48	1/2	
3/4	2,764.49	3/4	2,420.04	3/4	2,075.59	3/4	1,731.14	3/4	1,386.70	3/4	1,042.25	3/4	697.80	3/4	353.35	3/4	22.49	3/4	
9	2,757.31	9	2,412.87	9	2,068.42	9	1,723.97	9	1,379.52	9	1,035.07	9	690.63	9	346.18	9	18.51	9	
1/4	2,750.14	1/4	2,405.69	1/4	2,061.24	1/4	1,716.79	1/4	1,372.35	1/4	1,027.90	1/4	683.45	1/4	339.00	1/4	14.52	1/4	
1/2	2,742.96	1/2	2,398.52	1/2	2,054.07	1/2	1,709.62	1/2	1,365.17	1/2	1,020.72	1/2	676.28	1/2	331.83	1/2	10.54	1/2	
3/4	2,735.78	3/4	2,391.34	3/4	2,046.89	3/4	1,702.44	3/4	1,357.99	3/4	1,013.54	3/4	669.10	3/4	324.65	3/4	8.49	3/4	
10	2,728.61	10	2,384.16	10	2,039.71	10	1,695.27	10	1,350.82	10	1,006.37	10	661.92	10	317.47	10	6.43	10	
1/4	2,721.43	1/4	2,376.99	1/4	2,032.54	1/4	1,688.09	1/4	1,343.64	1/4	999.19	1/4	654.75	1/4	310.30	1/4	4.38	1/4	
1/2	2,714.26	1/2	2,369.81	1/2	2,025.36	1/2	1,680.92	1/2	1,336.47	1/2	992.02	1/2	647.57	1/2	303.12	1/2	2.33	1/2	
3/4	2,707.08	3/4	2,362.63	3/4	2,018.18	3/4	1,673.74	3/4	1,329.29	3/4	984.84	3/4	640.39	3/4	295.94	3/4		3/4	
11	2,699.91	11	2,355.46	11	2,011.01	11	1,666.56	11	1,322.11	11	977.67	11	633.22	11	288.77	11		11	
1/4	2,692.73	1/4	2,348.28	1/4	2,003.83	1/4	1,659.39	1/4	1,314.94	1/4	970.49	1/4	626.04	1/4	281.59	1/4		1/4	
1/2	2,685.56	1/2	2,341.11	1/2	1,996.66	1/2	1,652.21	1/2	1,307.76	1/2	963.32	1/2	618.87	1/2	274.42	1/2		1/2	
3/4	2,678.38	3/4	2,333.93	3/4	1,989.48	3/4	1,645.03	3/4	1,300.58	3/4	956.14	3/4	611.69	3/4	267.24	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/2005 INSP.  
RECOMPUTED: 04/11/2023 JS  
REPRINTED: 04/11/2023 JS

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2023



# BARGE "MMI 3046"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-09 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		0		4,558.32	0	4,305.07	0	4,051.82	0	3,798.57	0	3,532.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,553.04	1/4	4,299.79	1/4	4,046.55	1/4	3,793.30	1/4	3,525.76		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,547.77	1/2	4,294.52	1/2	4,041.27	1/2	3,788.02	1/2	3,518.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,542.49	3/4	4,289.24	3/4	4,035.99	3/4	3,782.74	3/4	3,512.10		
1		1		1		1		1		4,537.21	1	4,283.97	1	4,030.72	1	3,777.47	1	3,504.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,531.92	1/4	4,278.69	1/4	4,025.44	1/4	3,772.19	1/4	3,497.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,708.63	1/2	4,526.64	1/2	4,273.42	1/2	4,020.17	1/2	3,766.92	1/2	3,490.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,708.34	3/4	4,521.36	3/4	4,268.14	3/4	4,014.89	3/4	3,761.64	3/4	3,483.39
2		2		2		2		2		4,707.71	2	4,516.09	2	4,262.86	2	4,009.61	2	3,756.37	2	3,475.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,707.08	1/4	4,510.82	1/4	4,257.59	1/4	4,004.34	1/4	3,751.09	1/4	3,468.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,706.44	1/2	4,505.55	1/2	4,252.31	1/2	3,999.06	1/2	3,745.82	1/2	3,460.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,705.81	3/4	4,500.28	3/4	4,247.03	3/4	3,993.78	3/4	3,740.54	3/4	3,453.48
3		3		3		3		3		4,704.45	3	4,495.01	3	4,241.76	3	3,988.51	3	3,735.26	3	3,445.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,703.08	1/4	4,489.73	1/4	4,236.48	1/4	3,983.23	1/4	3,729.99	1/4	3,438.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,701.72	1/2	4,484.46	1/2	4,231.21	1/2	3,977.96	1/2	3,724.71	1/2	3,430.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,700.35	3/4	4,479.18	3/4	4,225.93	3/4	3,972.68	3/4	3,719.43	3/4	3,423.04
4		4		4		4		4		4,698.20	4	4,473.90	4	4,220.65	4	3,967.41	4	3,714.16	4	3,415.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,696.06	1/4	4,468.63	1/4	4,215.38	1/4	3,962.13	1/4	3,708.88	1/4	3,407.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,693.91	1/2	4,463.35	1/2	4,210.10	1/2	3,956.86	1/2	3,703.61	1/2	3,400.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,691.76	3/4	4,458.07	3/4	4,204.82	3/4	3,951.58	3/4	3,698.33	3/4	3,392.61
5		5		5		5		5		4,688.83	5	4,452.80	5	4,199.55	5	3,946.30	5	3,693.05	5	3,385.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,685.90	1/4	4,447.52	1/4	4,194.27	1/4	3,941.03	1/4	3,687.78	1/4	3,377.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,682.97	1/2	4,442.25	1/2	4,189.00	1/2	3,935.75	1/2	3,682.50	1/2	3,369.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,680.04	3/4	4,436.97	3/4	4,183.72	3/4	3,930.47	3/4	3,677.22	3/4	3,362.18
6		6		6		6		6		4,676.33	6	4,431.69	6	4,178.45	6	3,925.20	6	3,671.95	6	3,354.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,672.62	1/4	4,426.42	1/4	4,173.17	1/4	3,919.92	1/4	3,666.67	1/4	3,346.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,668.91	1/2	4,421.14	1/2	4,167.90	1/2	3,914.65	1/2	3,661.40	1/2	3,339.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,665.20	3/4	4,415.86	3/4	4,162.62	3/4	3,909.37	3/4	3,656.12	3/4	3,331.75
7		7		7		7		7		4,660.71	7	4,410.59	7	4,157.34	7	3,904.09	7	3,650.85	7	3,324.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,656.21	1/4	4,405.31	1/4	4,152.07	1/4	3,898.82	1/4	3,645.57	1/4	3,316.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,651.72	1/2	4,400.04	1/2	4,146.79	1/2	3,893.54	1/2	3,640.30	1/2	3,308.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,647.22	3/4	4,394.76	3/4	4,141.51	3/4	3,888.26	3/4	3,635.02	3/4	3,301.32
8		8		8		8		8		4,642.14	8	4,389.49	8	4,136.24	8	3,882.99	8	3,629.54	8	3,293.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,637.06	1/4	4,384.21	1/4	4,130.96	1/4	3,877.71	1/4	3,624.06	1/4	3,286.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,631.98	1/2	4,378.94	1/2	4,125.69	1/2	3,872.44	1/2	3,618.58	1/2	3,278.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,626.90	3/4	4,373.66	3/4	4,120.41	3/4	3,867.16	3/4	3,613.10	3/4	3,270.88
9		9		9		9		9		4,621.63	9	4,368.38	9	4,115.13	9	3,861.89	9	3,607.31	9	3,263.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,616.35	1/4	4,363.11	1/4	4,109.86	1/4	3,856.61	1/4	3,601.51	1/4	3,255.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,611.08	1/2	4,357.83	1/2	4,104.58	1/2	3,851.34	1/2	3,595.72	1/2	3,248.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,605.80	3/4	4,352.55	3/4	4,099.30	3/4	3,846.06	3/4	3,589.92	3/4	3,240.45
10		10		10		10		10		4,600.53	10	4,347.28	10	4,094.03	10	3,840.78	10	3,583.78	10	3,232.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,595.25	1/4	4,342.00	1/4	4,088.75	1/4	3,835.51	1/4	3,577.64	1/4	3,225.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,589.98	1/2	4,336.73	1/2	4,083.48	1/2	3,830.23	1/2	3,571.50	1/2	3,217.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,584.70	3/4	4,331.45	3/4	4,078.20	3/4	3,824.95	3/4	3,565.36	3/4	3,210.02
11		11		11		11		11		4,579.42	11	4,326.17	11	4,072.93	11	3,819.68	11	3,558.88	11	3,202.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,574.15	1/4	4,320.90	1/4	4,067.65	1/4	3,814.40	1/4	3,552.39	1/4	3,194.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,568.87	1/2	4,315.62	1/2	4,062.38	1/2	3,809.13	1/2	3,545.91	1/2	3,187.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,563.59	3/4	4,310.34	3/4	4,057.10	3/4	3,803.85	3/4	3,539.42	3/4	3,179.59

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 DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 3'-00" OFF CENTERLINE AND 87'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
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# BARGE "MMI 3046"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-09 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	3,171.98	0	2,806.79	0	2,441.61	0	2,076.43	0	1,711.24	0	1,346.06	0	981.09	0	617.78	0	253.07	0	
1/4	3,164.38	1/4	2,799.19	1/4	2,434.01	1/4	2,068.82	1/4	1,703.64	1/4	1,338.46	1/4	973.44	1/4	610.18	1/4	245.48	1/4	
1/2	3,156.77	1/2	2,791.58	1/2	2,426.40	1/2	2,061.21	1/2	1,696.03	1/2	1,330.85	1/2	965.80	1/2	602.58	1/2	237.88	1/2	
3/4	3,149.16	3/4	2,783.97	3/4	2,418.79	3/4	2,053.60	3/4	1,688.42	3/4	1,323.24	3/4	958.15	3/4	594.98	3/4	230.28	3/4	
1	3,141.55	1	2,776.36	1	2,411.18	1	2,045.99	1	1,680.81	1	1,315.63	1	950.62	1	587.38	1	222.68	1	
1/4	3,133.94	1/4	2,768.76	1/4	2,403.58	1/4	2,038.39	1/4	1,673.21	1/4	1,308.02	1/4	943.08	1/4	579.79	1/4	215.09	1/4	
1/2	3,126.33	1/2	2,761.15	1/2	2,395.97	1/2	2,030.78	1/2	1,665.60	1/2	1,300.41	1/2	935.55	1/2	572.19	1/2	207.49	1/2	
3/4	3,118.72	3/4	2,753.54	3/4	2,388.36	3/4	2,023.17	3/4	1,657.99	3/4	1,292.80	3/4	928.02	3/4	564.59	3/4	199.89	3/4	
2	3,111.11	2	2,745.93	2	2,380.75	2	2,015.56	2	1,650.38	2	1,285.19	2	920.50	2	556.99	2	192.41	2	
1/4	3,103.51	1/4	2,738.33	1/4	2,373.14	1/4	2,007.96	1/4	1,642.78	1/4	1,277.59	1/4	912.98	1/4	549.40	1/4	184.94	1/4	
1/2	3,095.90	1/2	2,730.72	1/2	2,365.53	1/2	2,000.35	1/2	1,635.17	1/2	1,269.98	1/2	905.46	1/2	541.80	1/2	177.46	1/2	
3/4	3,088.29	3/4	2,723.11	3/4	2,357.92	3/4	1,992.74	3/4	1,627.56	3/4	1,262.37	3/4	897.94	3/4	534.20	3/4	169.98	3/4	
3	3,080.68	3	2,715.50	3	2,350.31	3	1,985.13	3	1,619.95	3	1,254.76	3	890.38	3	526.60	3	162.62	3	
1/4	3,073.08	1/4	2,707.90	1/4	2,342.71	1/4	1,977.53	1/4	1,612.34	1/4	1,247.16	1/4	882.81	1/4	519.01	1/4	155.26	1/4	
1/2	3,065.47	1/2	2,700.29	1/2	2,335.10	1/2	1,969.92	1/2	1,604.73	1/2	1,239.55	1/2	875.25	1/2	511.41	1/2	147.90	1/2	
3/4	3,057.86	3/4	2,692.68	3/4	2,327.49	3/4	1,962.31	3/4	1,597.12	3/4	1,231.94	3/4	867.68	3/4	503.81	3/4	140.54	3/4	
4	3,050.25	4	2,685.07	4	2,319.88	4	1,954.70	4	1,589.51	4	1,224.33	4	860.12	4	496.21	4	133.18	4	
1/4	3,042.65	1/4	2,677.46	1/4	2,312.28	1/4	1,947.10	1/4	1,581.91	1/4	1,216.73	1/4	852.55	1/4	488.62	1/4	125.83	1/4	
1/2	3,035.04	1/2	2,669.85	1/2	2,304.67	1/2	1,939.49	1/2	1,574.30	1/2	1,209.12	1/2	844.99	1/2	481.02	1/2	118.47	1/2	
3/4	3,027.43	3/4	2,662.24	3/4	2,297.06	3/4	1,931.88	3/4	1,566.69	3/4	1,201.51	3/4	837.42	3/4	473.42	3/4	111.11	3/4	
5	3,019.82	5	2,654.63	5	2,289.45	5	1,924.27	5	1,559.08	5	1,193.90	5	829.85	5	465.82	5	103.67	5	
1/4	3,012.22	1/4	2,647.03	1/4	2,281.85	1/4	1,916.66	1/4	1,551.48	1/4	1,186.30	1/4	822.29	1/4	458.22	1/4	96.24	1/4	
1/2	3,004.61	1/2	2,639.42	1/2	2,274.24	1/2	1,909.05	1/2	1,543.87	1/2	1,178.69	1/2	814.72	1/2	450.62	1/2	88.80	1/2	
3/4	2,997.00	3/4	2,631.81	3/4	2,266.63	3/4	1,901.44	3/4	1,536.26	3/4	1,171.08	3/4	807.15	3/4	443.02	3/4	81.37	3/4	
6	2,989.39	6	2,624.20	6	2,259.02	6	1,893.83	6	1,528.65	6	1,163.47	6	799.59	6	435.42	6	74.09	6	
1/4	2,981.78	1/4	2,616.60	1/4	2,251.42	1/4	1,886.23	1/4	1,521.05	1/4	1,155.86	1/4	792.02	1/4	427.83	1/4	66.81	1/4	
1/2	2,974.17	1/2	2,608.99	1/2	2,243.81	1/2	1,878.62	1/2	1,513.44	1/2	1,148.25	1/2	784.46	1/2	420.23	1/2	59.53	1/2	
3/4	2,966.56	3/4	2,601.38	3/4	2,236.20	3/4	1,871.01	3/4	1,505.83	3/4	1,140.64	3/4	776.89	3/4	412.63	3/4	52.25	3/4	
7	2,958.95	7	2,593.77	7	2,228.59	7	1,863.35	7	1,498.22	7	1,133.03	7	769.32	7	405.03	7	46.25	7	
1/4	2,951.35	1/4	2,586.17	1/4	2,220.98	1/4	1,855.70	1/4	1,490.62	1/4	1,125.43	1/4	761.76	1/4	397.44	1/4	40.25	1/4	
1/2	2,943.74	1/2	2,578.56	1/2	2,213.37	1/2	1,848.04	1/2	1,483.01	1/2	1,117.82	1/2	754.19	1/2	389.84	1/2	34.26	1/2	
3/4	2,936.13	3/4	2,570.95	3/4	2,205.76	3/4	1,840.38	3/4	1,475.40	3/4	1,110.21	3/4	746.62	3/4	382.24	3/4	28.26	3/4	
8	2,928.52	8	2,563.34	8	2,198.15	8	1,832.82	8	1,467.79	8	1,102.60	8	739.06	8	374.64	8	24.00	8	
1/4	2,920.92	1/4	2,555.74	1/4	2,190.55	1/4	1,825.27	1/4	1,460.18	1/4	1,095.00	1/4	731.49	1/4	367.05	1/4	19.74	1/4	
1/2	2,913.31	1/2	2,548.13	1/2	2,182.94	1/2	1,817.71	1/2	1,452.57	1/2	1,087.39	1/2	723.93	1/2	359.45	1/2	15.49	1/2	
3/4	2,905.70	3/4	2,540.52	3/4	2,175.33	3/4	1,810.15	3/4	1,444.96	3/4	1,079.78	3/4	716.36	3/4	351.85	3/4	11.23	3/4	
9	2,898.04	9	2,532.91	9	2,167.72	9	1,802.54	9	1,437.35	9	1,072.17	9	708.80	9	344.25	9	8.96	9	
1/4	2,890.39	1/4	2,525.30	1/4	2,160.12	1/4	1,794.94	1/4	1,429.75	1/4	1,064.57	1/4	701.23	1/4	336.66	1/4	6.69	1/4	
1/2	2,882.73	1/2	2,517.69	1/2	2,152.51	1/2	1,787.33	1/2	1,422.14	1/2	1,056.96	1/2	693.67	1/2	329.06	1/2	4.41	1/2	
3/4	2,875.07	3/4	2,510.08	3/4	2,144.90	3/4	1,779.72	3/4	1,414.53	3/4	1,049.35	3/4	686.10	3/4	321.46	3/4	2.14	3/4	
10	2,867.52	10	2,502.47	10	2,137.29	10	1,772.11	10	1,406.92	10	1,041.76	10	678.52	10	313.86	10		10	
1/4	2,859.96	1/4	2,494.87	1/4	2,129.69	1/4	1,764.50	1/4	1,399.32	1/4	1,034.18	1/4	670.94	1/4	306.26	1/4		1/4	
1/2	2,852.40	1/2	2,487.26	1/2	2,122.08	1/2	1,756.89	1/2	1,391.71	1/2	1,026.59	1/2	663.35	1/2	298.66	1/2		1/2	
3/4	2,844.84	3/4	2,479.65	3/4	2,114.47	3/4	1,749.28	3/4	1,384.10	3/4	1,019.00	3/4	655.77	3/4	291.06	3/4		3/4	
11	2,837.23	11	2,472.04	11	2,106.86	11	1,741.67	11	1,376.49	11	1,011.44	11	648.17	11	283.46	11		11	
1/4	2,829.62	1/4	2,464.44	1/4	2,099.26	1/4	1,734.07	1/4	1,368.89	1/4	1,003.87	1/4	640.58	1/4	275.87	1/4		1/4	
1/2	2,822.01	1/2	2,456.83	1/2	2,091.65	1/2	1,726.46	1/2	1,361.28	1/2	996.31	1/2	632.98	1/2	268.27	1/2		1/2	
3/4	2,814.40	3/4	2,449.22	3/4	2,084.04	3/4	1,718.85	3/4	1,353.67	3/4	988.74	3/4	625.38	3/4	260.67	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/2005 INSP.  
RECOMPUTED: 04/11/2023 JS  
REPRINTED: 04/11/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2023

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



# BARGE "MMI 3046"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-10"

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		0		0	4,563.59	0	4,310.34	0	4,057.10	0	3,803.85	0	3,539.42
1/4		1/4		1/4		1/4		1/4		1/4	4,558.32	1/4	4,305.07	1/4	4,051.82	1/4	3,798.57	1/4	3,532.59
1/2		1/2		1/2		1/2		1/2		1/2	4,553.04	1/2	4,299.79	1/2	4,046.55	1/2	3,793.30	1/2	3,525.76
3/4		3/4		3/4		3/4		3/4		3/4	4,547.77	3/4	4,294.52	3/4	4,041.27	3/4	3,788.02	3/4	3,518.93
1		1		1		1		1		1	4,542.49	1	4,289.24	1	4,035.99	1	3,782.74	1	3,512.10
1/4		1/4		1/4		1/4		1/4		1/4	4,537.21	1/4	4,283.97	1/4	4,030.72	1/4	3,777.47	1/4	3,504.92
1/2		1/2		1/2		1/2		1/2		1/2	4,531.92	1/2	4,278.69	1/2	4,025.44	1/2	3,772.19	1/2	3,497.75
3/4		3/4		3/4		3/4		3/4	4,708.63	3/4	4,526.64	3/4	4,273.42	3/4	4,020.17	3/4	3,766.92	3/4	3,490.57
2		2		2		2		2	4,708.34	2	4,521.36	2	4,268.14	2	4,014.89	2	3,761.64	2	3,483.39
1/4		1/4		1/4		1/4		1/4	4,707.71	1/4	4,516.09	1/4	4,262.86	1/4	4,009.61	1/4	3,756.37	1/4	3,475.91
1/2		1/2		1/2		1/2		1/2	4,707.08	1/2	4,510.82	1/2	4,257.59	1/2	4,004.34	1/2	3,751.09	1/2	3,468.44
3/4		3/4		3/4		3/4		3/4	4,706.44	3/4	4,505.55	3/4	4,252.31	3/4	3,999.06	3/4	3,745.82	3/4	3,460.96
3		3		3		3		3	4,705.81	3	4,500.28	3	4,247.03	3	3,993.78	3	3,740.54	3	3,453.48
1/4		1/4		1/4		1/4		1/4	4,704.45	1/4	4,495.01	1/4	4,241.76	1/4	3,988.51	1/4	3,735.26	1/4	3,445.87
1/2		1/2		1/2		1/2		1/2	4,703.08	1/2	4,489.73	1/2	4,236.48	1/2	3,983.23	1/2	3,729.99	1/2	3,438.26
3/4		3/4		3/4		3/4		3/4	4,701.72	3/4	4,484.46	3/4	4,231.21	3/4	3,977.96	3/4	3,724.71	3/4	3,430.65
4		4		4		4		4	4,700.35	4	4,479.18	4	4,225.93	4	3,972.68	4	3,719.43	4	3,423.04
1/4		1/4		1/4		1/4		1/4	4,698.20	1/4	4,473.90	1/4	4,220.65	1/4	3,967.41	1/4	3,714.16	1/4	3,415.43
1/2		1/2		1/2		1/2		1/2	4,696.06	1/2	4,468.63	1/2	4,215.38	1/2	3,962.13	1/2	3,708.88	1/2	3,407.83
3/4		3/4		3/4		3/4		3/4	4,693.91	3/4	4,463.35	3/4	4,210.10	3/4	3,956.86	3/4	3,703.61	3/4	3,400.22
5		5		5		5		5	4,691.76	5	4,458.07	5	4,204.82	5	3,951.58	5	3,698.33	5	3,392.61
1/4		1/4		1/4		1/4		1/4	4,688.83	1/4	4,452.80	1/4	4,199.55	1/4	3,946.30	1/4	3,693.05	1/4	3,385.00
1/2		1/2		1/2		1/2		1/2	4,685.90	1/2	4,447.52	1/2	4,194.27	1/2	3,941.03	1/2	3,687.78	1/2	3,377.40
3/4		3/4		3/4		3/4		3/4	4,682.97	3/4	4,442.25	3/4	4,189.00	3/4	3,935.75	3/4	3,682.50	3/4	3,369.79
6		6		6		6		6	4,680.04	6	4,436.97	6	4,183.72	6	3,930.47	6	3,677.22	6	3,362.18
1/4		1/4		1/4		1/4		1/4	4,676.33	1/4	4,431.69	1/4	4,178.45	1/4	3,925.20	1/4	3,671.95	1/4	3,354.57
1/2		1/2		1/2		1/2		1/2	4,672.62	1/2	4,426.42	1/2	4,173.17	1/2	3,919.92	1/2	3,666.67	1/2	3,346.97
3/4		3/4		3/4		3/4		3/4	4,668.91	3/4	4,421.14	3/4	4,167.90	3/4	3,914.65	3/4	3,661.40	3/4	3,339.36
7		7		7		7		7	4,665.20	7	4,415.86	7	4,162.62	7	3,909.37	7	3,656.12	7	3,331.75
1/4		1/4		1/4		1/4		1/4	4,660.71	1/4	4,410.59	1/4	4,157.34	1/4	3,904.09	1/4	3,650.85	1/4	3,324.14
1/2		1/2		1/2		1/2		1/2	4,656.21	1/2	4,405.31	1/2	4,152.07	1/2	3,898.82	1/2	3,645.57	1/2	3,316.54
3/4		3/4		3/4		3/4		3/4	4,651.72	3/4	4,400.04	3/4	4,146.79	3/4	3,893.54	3/4	3,640.30	3/4	3,308.93
8		8		8		8		8	4,647.22	8	4,394.76	8	4,141.51	8	3,888.26	8	3,635.02	8	3,301.32
1/4		1/4		1/4		1/4		1/4	4,642.14	1/4	4,389.49	1/4	4,136.24	1/4	3,882.99	1/4	3,629.54	1/4	3,293.71
1/2		1/2		1/2		1/2		1/2	4,637.06	1/2	4,384.21	1/2	4,130.96	1/2	3,877.71	1/2	3,624.06	1/2	3,286.10
3/4		3/4		3/4		3/4		3/4	4,631.98	3/4	4,378.94	3/4	4,125.69	3/4	3,872.44	3/4	3,618.58	3/4	3,278.49
9		9		9		9		9	4,626.90	9	4,373.66	9	4,120.41	9	3,867.16	9	3,613.10	9	3,270.88
1/4		1/4		1/4		1/4		1/4	4,621.63	1/4	4,368.38	1/4	4,115.13	1/4	3,861.89	1/4	3,607.31	1/4	3,263.27
1/2		1/2		1/2		1/2		1/2	4,616.35	1/2	4,363.11	1/2	4,109.86	1/2	3,856.61	1/2	3,601.51	1/2	3,255.67
3/4		3/4		3/4		3/4		3/4	4,611.08	3/4	4,357.83	3/4	4,104.58	3/4	3,851.34	3/4	3,595.72	3/4	3,248.06
10		10		10		10		10	4,605.80	10	4,352.55	10	4,099.30	10	3,846.06	10	3,589.92	10	3,240.45
1/4		1/4		1/4		1/4		1/4	4,600.53	1/4	4,347.28	1/4	4,094.03	1/4	3,840.78	1/4	3,583.78	1/4	3,232.84
1/2		1/2		1/2		1/2		1/2	4,595.25	1/2	4,342.00	1/2	4,088.75	1/2	3,835.51	1/2	3,577.64	1/2	3,225.24
3/4		3/4		3/4		3/4		3/4	4,589.98	3/4	4,336.73	3/4	4,083.48	3/4	3,830.23	3/4	3,571.50	3/4	3,217.63
11		11		11		11		11	4,584.70	11	4,331.45	11	4,078.20	11	3,824.95	11	3,565.36	11	3,210.02
1/4		1/4		1/4		1/4		1/4	4,579.42	1/4	4,326.17	1/4	4,072.93	1/4	3,819.68	1/4	3,558.88	1/4	3,202.41
1/2		1/2		1/2		1/2		1/2	4,574.15	1/2	4,320.90	1/2	4,067.65	1/2	3,814.40	1/2	3,552.39	1/2	3,194.81
3/4		3/4		3/4		3/4		3/4	4,568.87	3/4	4,315.62	3/4	4,062.38	3/4	3,809.13	3/4	3,545.91	3/4	3,187.20

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 DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 3'-00" OFF CENTERLINE AND 87'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "MMI 3046"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-10"

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	3,179.59	0	2,814.40	0	2,449.22	0	2,084.04	0	1,718.85	0	1,353.67	0	988.74	0	625.38	0	260.67	0	
1/4	3,171.98	1/4	2,806.79	1/4	2,441.61	1/4	2,076.43	1/4	1,711.24	1/4	1,346.06	1/4	981.09	1/4	617.78	1/4	253.07	1/4	
1/2	3,164.38	1/2	2,799.19	1/2	2,434.01	1/2	2,068.82	1/2	1,703.64	1/2	1,338.46	1/2	973.44	1/2	610.18	1/2	245.48	1/2	
3/4	3,156.77	3/4	2,791.58	3/4	2,426.40	3/4	2,061.21	3/4	1,696.03	3/4	1,330.85	3/4	965.80	3/4	602.58	3/4	237.88	3/4	
1	3,149.16	1	2,783.97	1	2,418.79	1	2,053.60	1	1,688.42	1	1,323.24	1	958.15	1	594.98	1	230.28	1	
1/4	3,141.55	1/4	2,776.36	1/4	2,411.18	1/4	2,045.99	1/4	1,680.81	1/4	1,315.63	1/4	950.62	1/4	587.38	1/4	222.68	1/4	
1/2	3,133.94	1/2	2,768.76	1/2	2,403.58	1/2	2,038.39	1/2	1,673.21	1/2	1,308.02	1/2	943.08	1/2	579.79	1/2	215.09	1/2	
3/4	3,126.33	3/4	2,761.15	3/4	2,395.97	3/4	2,030.78	3/4	1,665.60	3/4	1,300.41	3/4	935.55	3/4	572.19	3/4	207.49	3/4	
2	3,118.72	2	2,753.54	2	2,388.36	2	2,023.17	2	1,657.99	2	1,292.80	2	928.02	2	564.59	2	199.89	2	
1/4	3,111.11	1/4	2,745.93	1/4	2,380.75	1/4	2,015.56	1/4	1,650.38	1/4	1,285.19	1/4	920.50	1/4	556.99	1/4	192.41	1/4	
1/2	3,103.51	1/2	2,738.33	1/2	2,373.14	1/2	2,007.96	1/2	1,642.78	1/2	1,277.59	1/2	912.98	1/2	549.40	1/2	184.94	1/2	
3/4	3,095.90	3/4	2,730.72	3/4	2,365.53	3/4	2,000.35	3/4	1,635.17	3/4	1,269.98	3/4	905.46	3/4	541.80	3/4	177.46	3/4	
3	3,088.29	3	2,723.11	3	2,357.92	3	1,992.74	3	1,627.56	3	1,262.37	3	897.94	3	534.20	3	169.98	3	
1/4	3,080.68	1/4	2,715.50	1/4	2,350.31	1/4	1,985.13	1/4	1,619.95	1/4	1,254.76	1/4	890.38	1/4	526.60	1/4	162.62	1/4	
1/2	3,073.08	1/2	2,707.90	1/2	2,342.71	1/2	1,977.53	1/2	1,612.34	1/2	1,247.16	1/2	882.81	1/2	519.01	1/2	155.26	1/2	
3/4	3,065.47	3/4	2,700.29	3/4	2,335.10	3/4	1,969.92	3/4	1,604.73	3/4	1,239.55	3/4	875.25	3/4	511.41	3/4	147.90	3/4	
4	3,057.86	4	2,692.68	4	2,327.49	4	1,962.31	4	1,597.12	4	1,231.94	4	867.68	4	503.81	4	140.54	4	
1/4	3,050.25	1/4	2,685.07	1/4	2,319.88	1/4	1,954.70	1/4	1,589.51	1/4	1,224.33	1/4	860.12	1/4	496.21	1/4	133.18	1/4	
1/2	3,042.65	1/2	2,677.46	1/2	2,312.28	1/2	1,947.10	1/2	1,581.91	1/2	1,216.73	1/2	852.55	1/2	488.62	1/2	125.83	1/2	
3/4	3,035.04	3/4	2,669.85	3/4	2,304.67	3/4	1,939.49	3/4	1,574.30	3/4	1,209.12	3/4	844.99	3/4	481.02	3/4	118.47	3/4	
5	3,027.43	5	2,662.24	5	2,297.06	5	1,931.88	5	1,566.69	5	1,201.51	5	837.42	5	473.42	5	111.11	5	
1/4	3,019.82	1/4	2,654.63	1/4	2,289.45	1/4	1,924.27	1/4	1,559.08	1/4	1,193.90	1/4	829.85	1/4	465.82	1/4	103.67	1/4	
1/2	3,012.22	1/2	2,647.03	1/2	2,281.85	1/2	1,916.66	1/2	1,551.48	1/2	1,186.30	1/2	822.29	1/2	458.22	1/2	96.24	1/2	
3/4	3,004.61	3/4	2,639.42	3/4	2,274.24	3/4	1,909.05	3/4	1,543.87	3/4	1,178.69	3/4	814.72	3/4	450.62	3/4	88.80	3/4	
6	2,997.00	6	2,631.81	6	2,266.63	6	1,901.44	6	1,536.26	6	1,171.08	6	807.15	6	443.02	6	81.37	6	
1/4	2,989.39	1/4	2,624.20	1/4	2,259.02	1/4	1,893.83	1/4	1,528.65	1/4	1,163.47	1/4	799.59	1/4	435.42	1/4	74.09	1/4	
1/2	2,981.78	1/2	2,616.60	1/2	2,251.42	1/2	1,886.23	1/2	1,521.05	1/2	1,155.86	1/2	792.02	1/2	427.83	1/2	66.81	1/2	
3/4	2,974.17	3/4	2,608.99	3/4	2,243.81	3/4	1,878.62	3/4	1,513.44	3/4	1,148.25	3/4	784.46	3/4	420.23	3/4	59.53	3/4	
7	2,966.56	7	2,601.38	7	2,236.20	7	1,871.01	7	1,505.83	7	1,140.64	7	776.89	7	412.63	7	52.25	7	
1/4	2,958.95	1/4	2,593.77	1/4	2,228.59	1/4	1,863.35	1/4	1,498.22	1/4	1,133.03	1/4	769.32	1/4	405.03	1/4	46.25	1/4	
1/2	2,951.35	1/2	2,586.17	1/2	2,220.98	1/2	1,855.70	1/2	1,490.62	1/2	1,125.43	1/2	761.76	1/2	397.44	1/2	40.25	1/2	
3/4	2,943.74	3/4	2,578.56	3/4	2,213.37	3/4	1,848.04	3/4	1,483.01	3/4	1,117.82	3/4	754.19	3/4	389.84	3/4	34.26	3/4	
8	2,936.13	8	2,570.95	8	2,205.76	8	1,840.38	8	1,475.40	8	1,110.21	8	746.62	8	382.24	8	28.26	8	
1/4	2,928.52	1/4	2,563.34	1/4	2,198.15	1/4	1,832.82	1/4	1,467.79	1/4	1,102.60	1/4	739.06	1/4	374.64	1/4	24.00	1/4	
1/2	2,920.92	1/2	2,555.74	1/2	2,190.55	1/2	1,825.27	1/2	1,460.18	1/2	1,095.00	1/2	731.49	1/2	367.05	1/2	19.74	1/2	
3/4	2,913.31	3/4	2,548.13	3/4	2,182.94	3/4	1,817.71	3/4	1,452.57	3/4	1,087.39	3/4	723.93	3/4	359.45	3/4	15.49	3/4	
9	2,905.70	9	2,540.52	9	2,175.33	9	1,810.15	9	1,444.96	9	1,079.78	9	716.36	9	351.85	9	11.23	9	
1/4	2,898.04	1/4	2,532.91	1/4	2,167.72	1/4	1,802.54	1/4	1,437.35	1/4	1,072.17	1/4	708.80	1/4	344.25	1/4	8.96	1/4	
1/2	2,890.39	1/2	2,525.30	1/2	2,160.12	1/2	1,794.94	1/2	1,429.75	1/2	1,064.57	1/2	701.23	1/2	336.66	1/2	6.69	1/2	
3/4	2,882.73	3/4	2,517.69	3/4	2,152.51	3/4	1,787.33	3/4	1,422.14	3/4	1,056.96	3/4	693.67	3/4	329.06	3/4	4.41	3/4	
10	2,875.07	10	2,510.08	10	2,144.90	10	1,779.72	10	1,414.53	10	1,049.35	10	686.10	10	321.46	10	2.14	10	
1/4	2,867.52	1/4	2,502.47	1/4	2,137.29	1/4	1,772.11	1/4	1,406.92	1/4	1,041.76	1/4	678.52	1/4	313.86	1/4		1/4	
1/2	2,859.96	1/2	2,494.87	1/2	2,129.69	1/2	1,764.50	1/2	1,399.32	1/2	1,034.18	1/2	670.94	1/2	306.26	1/2		1/2	
3/4	2,852.40	3/4	2,487.26	3/4	2,122.08	3/4	1,756.89	3/4	1,391.71	3/4	1,026.59	3/4	663.35	3/4	298.66	3/4		3/4	
11	2,844.84	11	2,479.65	11	2,114.47	11	1,749.28	11	1,384.10	11	1,019.00	11	655.77	11	291.06	11		11	
1/4	2,837.23	1/4	2,472.04	1/4	2,106.86	1/4	1,741.67	1/4	1,376.49	1/4	1,011.44	1/4	648.17	1/4	283.46	1/4		1/4	
1/2	2,829.62	1/2	2,464.44	1/2	2,099.26	1/2	1,734.07	1/2	1,368.89	1/2	1,003.87	1/2	640.58	1/2	275.87	1/2		1/2	
3/4	2,822.01	3/4	2,456.83	3/4	2,091.65	3/4	1,726.46	3/4	1,361.28	3/4	996.31	3/4	632.98	3/4	268.27	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/2005 INSP.  
RECOMPUTED: 04/11/2023 JS  
REPRINTED: 04/11/2023 JS

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2023



# BARGE "MMI 3046"

## AFT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	449	0	898	0	1,347	0	1,795	0		0		0		0		0	
1/4	9	1/4	458	1/4	907	1/4	1,356	1/4	1,805	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	468	1/2	917	1/2	1,365	1/2	1,814	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	477	3/4	926	3/4	1,375	3/4	1,824	3/4		3/4		3/4		3/4		3/4	
1	37	1	486	1	935	1	1,384	1	1,833	1		1		1		1		1	
1/4	47	1/4	496	1/4	945	1/4	1,393	1/4	1,842	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	505	1/2	954	1/2	1,403	1/2	1,852	1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	514	3/4	963	3/4	1,412	3/4	1,861	3/4		3/4		3/4		3/4		3/4	
2	75	2	524	2	973	2	1,421	2	1,870	2		2		2		2		2	
1/4	84	1/4	533	1/4	982	1/4	1,431	1/4	1,880	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	542	1/2	991	1/2	1,440	1/2	1,889	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	552	3/4	1,001	3/4	1,450	3/4	1,898	3/4		3/4		3/4		3/4		3/4	
3	112	3	561	3	1,010	3	1,459	3	1,908	3		3		3		3		3	
1/4	122	1/4	571	1/4	1,019	1/4	1,468	1/4	1,917	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	580	1/2	1,029	1/2	1,478	1/2	1,926	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	589	3/4	1,038	3/4	1,487	3/4	1,936	3/4		3/4		3/4		3/4		3/4	
4	150	4	599	4	1,047	4	1,496	4	1,945	4		4		4		4		4	
1/4	159	1/4	608	1/4	1,057	1/4	1,506	1/4	1,954	1/4		1/4		1/4		1/4		1/4	
1/2	168	1/2	617	1/2	1,066	1/2	1,515	1/2	1,964	1/2		1/2		1/2		1/2		1/2	
3/4	178	3/4	627	3/4	1,075	3/4	1,524	3/4	1,973	3/4		3/4		3/4		3/4		3/4	
5	187	5	636	5	1,085	5	1,534	5	1,982	5		5		5		5		5	
1/4	197	1/4	645	1/4	1,094	1/4	1,543	1/4	1,992	1/4		1/4		1/4		1/4		1/4	
1/2	206	1/2	655	1/2	1,104	1/2	1,552	1/2	2,001	1/2		1/2		1/2		1/2		1/2	
3/4	215	3/4	664	3/4	1,113	3/4	1,562	3/4	2,011	3/4		3/4		3/4		3/4		3/4	
6	225	6	673	6	1,122	6	1,571	6	2,020	6		6		6		6		6	
1/4	234	1/4	683	1/4	1,132	1/4	1,580	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	243	1/2	692	1/2	1,141	1/2	1,590	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	253	3/4	701	3/4	1,150	3/4	1,599	3/4		3/4		3/4		3/4		3/4		3/4	
7	262	7	711	7	1,160	7	1,608	7		7		7		7		7		7	
1/4	271	1/4	720	1/4	1,169	1/4	1,618	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	730	1/2	1,178	1/2	1,627	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	739	3/4	1,188	3/4	1,637	3/4		3/4		3/4		3/4		3/4		3/4	
8	299	8	748	8	1,197	8	1,646	8		8		8		8		8		8	
1/4	309	1/4	758	1/4	1,206	1/4	1,655	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	318	1/2	767	1/2	1,216	1/2	1,665	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	327	3/4	776	3/4	1,225	3/4	1,674	3/4		3/4		3/4		3/4		3/4		3/4	
9	337	9	786	9	1,234	9	1,683	9		9		9		9		9		9	
1/4	346	1/4	795	1/4	1,244	1/4	1,693	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	355	1/2	804	1/2	1,253	1/2	1,702	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	365	3/4	814	3/4	1,262	3/4	1,711	3/4		3/4		3/4		3/4		3/4		3/4	
10	374	10	823	10	1,272	10	1,721	10		10		10		10		10		10	
1/4	384	1/4	832	1/4	1,281	1/4	1,730	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	842	1/2	1,291	1/2	1,739	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	402	3/4	851	3/4	1,300	3/4	1,749	3/4		3/4		3/4		3/4		3/4		3/4	
11	412	11	860	11	1,309	11	1,758	11		11		11		11		11		11	
1/4	421	1/4	870	1/4	1,319	1/4	1,767	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	430	1/2	879	1/2	1,328	1/2	1,777	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	888	3/4	1,337	3/4	1,786	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 04/06/2023 JS  
 CALCULATED: 04/11/2023 CL  
 PRINTED: 04/11/2023 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 04/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

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# BARGE "MMI 3046"

## FWD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	449	0	898	0	1,347	0	1,795	0		0		0		0		0	
1/4	9	1/4	458	1/4	907	1/4	1,356	1/4	1,805	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	468	1/2	917	1/2	1,365	1/2	1,814	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	477	3/4	926	3/4	1,375	3/4	1,824	3/4		3/4		3/4		3/4		3/4	
1	37	1	486	1	935	1	1,384	1	1,833	1		1		1		1		1	
1/4	47	1/4	496	1/4	945	1/4	1,393	1/4	1,842	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	505	1/2	954	1/2	1,403	1/2	1,852	1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	514	3/4	963	3/4	1,412	3/4	1,861	3/4		3/4		3/4		3/4		3/4	
2	75	2	524	2	973	2	1,421	2	1,870	2		2		2		2		2	
1/4	84	1/4	533	1/4	982	1/4	1,431	1/4	1,880	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	542	1/2	991	1/2	1,440	1/2	1,889	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	552	3/4	1,001	3/4	1,450	3/4	1,898	3/4		3/4		3/4		3/4		3/4	
3	112	3	561	3	1,010	3	1,459	3	1,908	3		3		3		3		3	
1/4	122	1/4	571	1/4	1,019	1/4	1,468	1/4	1,917	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	580	1/2	1,029	1/2	1,478	1/2	1,926	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	589	3/4	1,038	3/4	1,487	3/4	1,936	3/4		3/4		3/4		3/4		3/4	
4	150	4	599	4	1,047	4	1,496	4	1,945	4		4		4		4		4	
1/4	159	1/4	608	1/4	1,057	1/4	1,506	1/4	1,954	1/4		1/4		1/4		1/4		1/4	
1/2	168	1/2	617	1/2	1,066	1/2	1,515	1/2	1,964	1/2		1/2		1/2		1/2		1/2	
3/4	178	3/4	627	3/4	1,075	3/4	1,524	3/4	1,973	3/4		3/4		3/4		3/4		3/4	
5	187	5	636	5	1,085	5	1,534	5	1,982	5		5		5		5		5	
1/4	197	1/4	645	1/4	1,094	1/4	1,543	1/4	1,992	1/4		1/4		1/4		1/4		1/4	
1/2	206	1/2	655	1/2	1,104	1/2	1,552	1/2	2,001	1/2		1/2		1/2		1/2		1/2	
3/4	215	3/4	664	3/4	1,113	3/4	1,562	3/4	2,011	3/4		3/4		3/4		3/4		3/4	
6	225	6	673	6	1,122	6	1,571	6	2,020	6		6		6		6		6	
1/4	234	1/4	683	1/4	1,132	1/4	1,580	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	243	1/2	692	1/2	1,141	1/2	1,590	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	253	3/4	701	3/4	1,150	3/4	1,599	3/4		3/4		3/4		3/4		3/4		3/4	
7	262	7	711	7	1,160	7	1,608	7		7		7		7		7		7	
1/4	271	1/4	720	1/4	1,169	1/4	1,618	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	730	1/2	1,178	1/2	1,627	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	739	3/4	1,188	3/4	1,637	3/4		3/4		3/4		3/4		3/4		3/4	
8	299	8	748	8	1,197	8	1,646	8		8		8		8		8		8	
1/4	309	1/4	758	1/4	1,206	1/4	1,655	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	318	1/2	767	1/2	1,216	1/2	1,665	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	327	3/4	776	3/4	1,225	3/4	1,674	3/4		3/4		3/4		3/4		3/4		3/4	
9	337	9	786	9	1,234	9	1,683	9		9		9		9		9		9	
1/4	346	1/4	795	1/4	1,244	1/4	1,693	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	355	1/2	804	1/2	1,253	1/2	1,702	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	365	3/4	814	3/4	1,262	3/4	1,711	3/4		3/4		3/4		3/4		3/4		3/4	
10	374	10	823	10	1,272	10	1,721	10		10		10		10		10		10	
1/4	384	1/4	832	1/4	1,281	1/4	1,730	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	842	1/2	1,291	1/2	1,739	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	402	3/4	851	3/4	1,300	3/4	1,749	3/4		3/4		3/4		3/4		3/4		3/4	
11	412	11	860	11	1,309	11	1,758	11		11		11		11		11		11	
1/4	421	1/4	870	1/4	1,319	1/4	1,767	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	430	1/2	879	1/2	1,328	1/2	1,777	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	888	3/4	1,337	3/4	1,786	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 04/06/2023 JS  
 CALCULATED: 04/11/2023 CL  
 PRINTED: 04/11/2023 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 04/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
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