



BARGE "MMI 3020"

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	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
1 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
2 PORT	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-0/8	- 01-0/8
2 STBD	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-0/8	- 01-0/8
3 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2

(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"

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MMI 3020"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 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
							5,152.04		4,790.51		4,417.07		4,042.39		3,667.70		3,293.01		2,918.32		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,144.65	1/4	4,782.81	1/4	4,409.27	1/4	4,034.58	1/4	3,659.89	1/4	3,285.21	1/4	2,910.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,137.26	1/2	4,775.12	1/2	4,401.46	1/2	4,026.77	1/2	3,652.08	1/2	3,277.40	1/2	2,902.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,129.88	3/4	4,767.43	3/4	4,393.66	3/4	4,018.97	3/4	3,644.28	3/4	3,269.59	3/4	2,894.90		
1	1	1	1	1	1	1	5,122.49	1	4,759.74	1	4,385.85	1	4,011.16	1	3,636.47	1	3,261.79	1	2,887.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,115.11	1/4	4,752.04	1/4	4,378.05	1/4	4,003.36	1/4	3,628.67	1/4	3,253.98	1/4	2,879.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,107.72	1/2	4,744.35	1/2	4,370.24	1/2	3,995.55	1/2	3,620.86	1/2	3,246.17	1/2	2,871.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,100.28	3/4	4,736.60	3/4	4,362.43	3/4	3,987.74	3/4	3,613.06	3/4	3,238.37	3/4	2,863.68		
2	2	2	2	2	2	2	5,092.84	2	4,728.86	2	4,354.63	2	3,979.94	2	3,605.25	2	3,230.56	2	2,855.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,085.39	1/4	4,721.11	1/4	4,346.82	1/4	3,972.13	1/4	3,597.45	1/4	3,222.76	1/4	2,848.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,077.95	1/2	4,713.36	1/2	4,339.01	1/2	3,964.32	1/2	3,589.64	1/2	3,214.95	1/2	2,840.26		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,070.49	3/4	4,705.59	3/4	4,331.21	3/4	3,956.52	3/4	3,581.83	3/4	3,207.14	3/4	2,832.46		
3	3	3	3	3	3	3	5,063.03	3	4,697.83	3	4,323.40	3	3,948.71	3	3,574.03	3	3,199.34	3	2,824.65		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,055.56	1/4	4,690.06	1/4	4,315.60	1/4	3,940.91	1/4	3,566.22	1/4	3,191.53	1/4	2,816.85		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,048.10	1/2	4,682.29	1/2	4,307.79	1/2	3,933.10	1/2	3,558.41	1/2	3,183.72	1/2	2,809.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,040.64	3/4	4,674.52	3/4	4,299.98	3/4	3,925.30	3/4	3,550.61	3/4	3,175.92	3/4	2,801.23		
4	4	4	4	4	4	4	5,033.18	4	4,666.75	4	4,292.18	4	3,917.49	4	3,542.80	4	3,168.11	4	2,793.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,025.71	1/4	4,658.98	1/4	4,284.37	1/4	3,909.69	1/4	3,535.00	1/4	3,160.31	1/4	2,785.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,018.25	1/2	4,651.21	1/2	4,276.56	1/2	3,901.88	1/2	3,527.19	1/2	3,152.50	1/2	2,777.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,010.73	3/4	4,643.42	3/4	4,268.76	3/4	3,894.07	3/4	3,519.38	3/4	3,144.70	3/4	2,770.01		
5	5	5	5,278.09	5	5,003.22	5	5,003.22	5	4,635.62	5	4,260.95	5	3,886.27	5	3,511.58	5	3,136.89	5	2,762.20		
1/4	1/4	1/4	5,277.44	1/4	4,995.70	1/4	4,995.70	1/4	4,627.83	1/4	4,253.15	1/4	3,878.46	1/4	3,503.77	1/4	3,129.09	1/4	2,754.40		
1/2	1/2	1/2	5,277.12	1/2	4,988.18	1/2	4,988.18	1/2	4,620.03	1/2	4,245.34	1/2	3,870.65	1/2	3,495.96	1/2	3,121.28	1/2	2,746.59		
3/4	3/4	3/4	5,275.93	3/4	4,980.64	3/4	4,980.64	3/4	4,612.22	3/4	4,237.54	3/4	3,862.85	3/4	3,488.16	3/4	3,113.47	3/4	2,738.78		
6	6	6	5,274.73	6	4,973.10	6	4,973.10	6	4,604.42	6	4,229.73	6	3,855.04	6	3,480.35	6	3,105.67	6	2,730.98		
1/4	1/4	1/4	5,273.54	1/4	4,965.56	1/4	4,965.56	1/4	4,596.61	1/4	4,221.93	1/4	3,847.24	1/4	3,472.55	1/4	3,097.86	1/4	2,723.17		
1/2	1/2	1/2	5,272.34	1/2	4,958.02	1/2	4,958.02	1/2	4,588.80	1/2	4,214.12	1/2	3,839.43	1/2	3,464.74	1/2	3,090.05	1/2	2,715.36		
3/4	3/4	3/4	5,269.73	3/4	4,950.48	3/4	4,950.48	3/4	4,581.00	3/4	4,206.31	3/4	3,831.62	3/4	3,456.94	3/4	3,082.25	3/4	2,707.56		
7	7	7	5,267.11	7	4,942.95	7	4,942.95	7	4,573.19	7	4,198.51	7	3,823.82	7	3,449.13	7	3,074.44	7	2,699.75		
1/4	1/4	1/4	5,264.50	1/4	4,935.41	1/4	4,935.41	1/4	4,565.39	1/4	4,190.70	1/4	3,816.01	1/4	3,441.33	1/4	3,066.64	1/4	2,691.95		
1/2	1/2	1/2	5,261.88	1/2	4,927.87	1/2	4,927.87	1/2	4,557.58	1/2	4,182.89	1/2	3,808.20	1/2	3,433.52	1/2	3,058.83	1/2	2,684.14		
3/4	3/4	3/4	5,257.79	3/4	4,920.28	3/4	4,920.28	3/4	4,549.78	3/4	4,175.09	3/4	3,800.40	3/4	3,425.71	3/4	3,051.02	3/4	2,676.34		
8	8	8	5,253.70	8	4,912.68	8	4,912.68	8	4,541.97	8	4,167.28	8	3,792.59	8	3,417.91	8	3,043.22	8	2,668.53		
1/4	1/4	1/4	5,249.60	1/4	4,905.09	1/4	4,905.09	1/4	4,534.17	1/4	4,159.48	1/4	3,784.79	1/4	3,410.10	1/4	3,035.41	1/4	2,660.73		
1/2	1/2	1/2	5,245.51	1/2	4,897.49	1/2	4,897.49	1/2	4,526.36	1/2	4,151.67	1/2	3,776.98	1/2	3,402.29	1/2	3,027.60	1/2	2,652.92		
3/4	3/4	3/4	5,239.98	3/4	4,889.88	3/4	4,889.88	3/4	4,518.55	3/4	4,143.86	3/4	3,769.18	3/4	3,394.49	3/4	3,019.80	3/4	2,645.11		
9	9	9	5,234.45	9	4,882.27	9	4,882.27	9	4,510.75	9	4,136.06	9	3,761.37	9	3,386.68	9	3,011.99	9	2,637.31		
1/4	1/4	1/4	5,228.91	1/4	4,874.65	1/4	4,874.65	1/4	4,502.94	1/4	4,128.25	1/4	3,753.57	1/4	3,378.88	1/4	3,004.19	1/4	2,629.50		
1/2	1/2	1/2	5,223.38	1/2	4,867.04	1/2	4,867.04	1/2	4,495.13	1/2	4,120.44	1/2	3,745.76	1/2	3,371.07	1/2	2,996.38	1/2	2,621.69		
3/4	3/4	3/4	5,216.60	3/4	4,859.43	3/4	4,859.43	3/4	4,487.33	3/4	4,112.64	3/4	3,737.95	3/4	3,363.26	3/4	2,988.58	3/4	2,613.89		
10	10	10	5,209.83	10	4,851.81	10	4,851.81	10	4,479.52	10	4,104.83	10	3,730.15	10	3,355.46	10	2,980.77	10	2,606.08		
1/4	1/4	1/4	5,203.05	1/4	4,844.20	1/4	4,844.20	1/4	4,471.72	1/4	4,097.03	1/4	3,722.34	1/4	3,347.65	1/4	2,972.97	1/4	2,598.28		
1/2	1/2	1/2	5,196.27	1/2	4,836.58	1/2	4,836.58	1/2	4,463.91	1/2	4,089.22	1/2	3,714.53	1/2	3,339.84	1/2	2,965.16	1/2	2,590.47		
3/4	3/4	3/4	5,188.91	3/4	4,828.91	3/4	4,828.91	3/4	4,456.10	3/4	4,081.42	3/4	3,706.73	3/4	3,332.04	3/4	2,957.35	3/4	2,582.66		
11	11	11	5,181.54	11	4,821.24	11	4,821.24	11	4,448.30	11	4,073.61	11	3,698.92	11	3,324.23	11	2,949.55	11	2,574.86		
1/4	1/4	1/4	5,174.18	1/4	4,813.56	1/4	4,813.56	1/4	4,440.49	1/4	4,065.81	1/4	3,691.12	1/4	3,316.43	1/4	2,941.74	1/4	2,567.05		
1/2	1/2	1/2	5,166.81	1/2	4,805.89	1/2	4,805.89	1/2	4,432.68	1/2	4,058.00	1/2	3,683.31	1/2	3,308.62	1/2	2,933.93	1/2	2,559.24		
3/4	3/4	3/4	5,159.42	3/4	4,798.20	3/4	4,798.20	3/4	4,424.88	3/4	4,050.19	3/4	3,675.50	3/4	3,300.82	3/4	2,926.13	3/4	2,551.44		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "MMI 3020"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,543.63	0	2,168.95	0	1,794.26	0	1,419.57	0	1,045.10	0	671.25	0	302.92	0		0		0	
1/4	2,535.83	1/4	2,161.14	1/4	1,786.45	1/4	1,411.77	1/4	1,037.32	1/4	663.45	1/4	295.58	1/4	1/4		1/4		1/4
1/2	2,528.02	1/2	2,153.33	1/2	1,778.64	1/2	1,403.96	1/2	1,029.53	1/2	655.64	1/2	288.24	1/2	1/2		1/2		1/2
3/4	2,520.22	3/4	2,145.53	3/4	1,770.84	3/4	1,396.15	3/4	1,021.75	3/4	647.83	3/4	280.90	3/4	3/4		3/4		3/4
1	2,512.41	1	2,137.72	1	1,763.03	1	1,388.35	1	1,013.97	1	640.03	1	273.56	1	1		1		1
1/4	2,504.61	1/4	2,129.92	1/4	1,755.23	1/4	1,380.54	1/4	1,006.18	1/4	632.22	1/4	266.21	1/4	1/4		1/4		1/4
1/2	2,496.80	1/2	2,122.11	1/2	1,747.42	1/2	1,372.73	1/2	998.40	1/2	624.41	1/2	258.87	1/2	1/2		1/2		1/2
3/4	2,488.99	3/4	2,114.30	3/4	1,739.62	3/4	1,364.93	3/4	990.62	3/4	616.61	3/4	251.74	3/4	3/4		3/4		3/4
2	2,481.19	2	2,106.50	2	1,731.81	2	1,357.12	2	982.83	2	608.80	2	244.62	2	2		2		2
1/4	2,473.38	1/4	2,098.69	1/4	1,724.01	1/4	1,349.32	1/4	975.05	1/4	601.00	1/4	237.49	1/4	1/4		1/4		1/4
1/2	2,465.57	1/2	2,090.88	1/2	1,716.20	1/2	1,341.51	1/2	967.26	1/2	593.19	1/2	230.36	1/2	1/2		1/2		1/2
3/4	2,457.77	3/4	2,083.08	3/4	1,708.39	3/4	1,333.70	3/4	959.48	3/4	585.38	3/4	223.23	3/4	3/4		3/4		3/4
3	2,449.96	3	2,075.27	3	1,700.59	3	1,325.90	3	951.69	3	577.58	3	216.10	3	3		3		3
1/4	2,442.16	1/4	2,067.47	1/4	1,692.78	1/4	1,318.09	1/4	943.91	1/4	569.77	1/4	208.97	1/4	1/4		1/4		1/4
1/2	2,434.35	1/2	2,059.66	1/2	1,684.97	1/2	1,310.28	1/2	936.12	1/2	561.96	1/2	201.84	1/2	1/2		1/2		1/2
3/4	2,426.54	3/4	2,051.86	3/4	1,677.17	3/4	1,302.48	3/4	928.34	3/4	554.16	3/4	194.71	3/4	3/4		3/4		3/4
4	2,418.74	4	2,044.05	4	1,669.36	4	1,294.67	4	920.56	4	546.35	4	187.59	4	4		4		4
1/4	2,410.93	1/4	2,036.25	1/4	1,661.56	1/4	1,286.87	1/4	912.77	1/4	538.55	1/4	180.46	1/4	1/4		1/4		1/4
1/2	2,403.12	1/2	2,028.44	1/2	1,653.75	1/2	1,279.06	1/2	904.99	1/2	530.74	1/2	173.33	1/2	1/2		1/2		1/2
3/4	2,395.32	3/4	2,020.63	3/4	1,645.94	3/4	1,271.26	3/4	897.21	3/4	522.94	3/4	166.42	3/4	3/4		3/4		3/4
5	2,387.51	5	2,012.83	5	1,638.14	5	1,263.45	5	889.42	5	515.13	5	159.51	5	5		5		5
1/4	2,379.71	1/4	2,005.02	1/4	1,630.33	1/4	1,255.65	1/4	881.64	1/4	507.33	1/4	152.59	1/4	1/4		1/4		1/4
1/2	2,371.90	1/2	1,997.21	1/2	1,622.52	1/2	1,247.84	1/2	873.85	1/2	499.52	1/2	145.68	1/2	1/2		1/2		1/2
3/4	2,364.10	3/4	1,989.41	3/4	1,614.72	3/4	1,240.03	3/4	866.07	3/4	491.79	3/4	138.77	3/4	3/4		3/4		3/4
6	2,356.29	6	1,981.60	6	1,606.91	6	1,232.23	6	858.29	6	484.05	6	131.85	6	6		6		6
1/4	2,348.49	1/4	1,973.80	1/4	1,599.11	1/4	1,224.42	1/4	850.50	1/4	476.32	1/4	124.94	1/4	1/4		1/4		1/4
1/2	2,340.68	1/2	1,965.99	1/2	1,591.30	1/2	1,216.61	1/2	842.72	1/2	468.58	1/2	118.02	1/2	1/2		1/2		1/2
3/4	2,332.87	3/4	1,958.18	3/4	1,583.50	3/4	1,208.81	3/4	834.94	3/4	460.85	3/4	111.11	3/4	3/4		3/4		3/4
7	2,325.07	7	1,950.38	7	1,575.69	7	1,201.00	7	827.15	7	453.11	7	104.19	7	7		7		7
1/4	2,317.26	1/4	1,942.57	1/4	1,567.89	1/4	1,193.20	1/4	819.37	1/4	445.38	1/4	97.28	1/4	1/4		1/4		1/4
1/2	2,309.45	1/2	1,934.76	1/2	1,560.08	1/2	1,185.39	1/2	811.58	1/2	437.64	1/2	90.36	1/2	1/2		1/2		1/2
3/4	2,301.65	3/4	1,926.96	3/4	1,552.27	3/4	1,177.58	3/4	803.80	3/4	430.09	3/4	83.83	3/4	3/4		3/4		3/4
8	2,293.84	8	1,919.15	8	1,544.47	8	1,169.78	8	796.01	8	422.53	8	77.29	8	8		8		8
1/4	2,286.04	1/4	1,911.35	1/4	1,536.66	1/4	1,161.97	1/4	788.23	1/4	414.98	1/4	70.76	1/4	1/4		1/4		1/4
1/2	2,278.23	1/2	1,903.54	1/2	1,528.85	1/2	1,154.16	1/2	780.44	1/2	407.42	1/2	64.22	1/2	1/2		1/2		1/2
3/4	2,270.42	3/4	1,895.74	3/4	1,521.05	3/4	1,146.36	3/4	772.66	3/4	399.87	3/4	58.67	3/4	3/4		3/4		3/4
9	2,262.62	9	1,887.93	9	1,513.24	9	1,138.55	9	764.88	9	392.31	9	53.11	9	9		9		9
1/4	2,254.81	1/4	1,880.13	1/4	1,505.44	1/4	1,130.75	1/4	757.09	1/4	384.76	1/4	47.56	1/4	1/4		1/4		1/4
1/2	2,247.00	1/2	1,872.32	1/2	1,497.63	1/2	1,122.94	1/2	749.31	1/2	377.20	1/2	42.00	1/2	1/2		1/2		1/2
3/4	2,239.20	3/4	1,864.51	3/4	1,489.82	3/4	1,115.16	3/4	741.50	3/4	369.64	3/4		3/4	3/4		3/4		3/4
10	2,231.39	10	1,856.71	10	1,482.02	10	1,107.37	10	733.70	10	362.09	10		10	10		10		10
1/4	2,223.59	1/4	1,848.90	1/4	1,474.21	1/4	1,099.59	1/4	725.89	1/4	354.53	1/4		1/4	1/4		1/4		1/4
1/2	2,215.78	1/2	1,841.09	1/2	1,466.40	1/2	1,091.80	1/2	718.08	1/2	346.97	1/2		1/2	1/2		1/2		1/2
3/4	2,207.98	3/4	1,833.29	3/4	1,458.60	3/4	1,084.02	3/4	710.28	3/4	339.63	3/4		3/4	3/4		3/4		3/4
11	2,200.17	11	1,825.48	11	1,450.79	11	1,076.24	11	702.47	11	332.29	11		11	11		11		11
1/4	2,192.37	1/4	1,817.68	1/4	1,442.99	1/4	1,068.45	1/4	694.67	1/4	324.94	1/4		1/4	1/4		1/4		1/4
1/2	2,184.56	1/2	1,809.87	1/2	1,435.18	1/2	1,060.67	1/2	686.86	1/2	317.60	1/2		1/2	1/2		1/2		1/2
3/4	2,176.75	3/4	1,802.06	3/4	1,427.38	3/4	1,052.89	3/4	679.06	3/4	310.26	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2000 INSP.
RECALCULATED: 08/11/2019
REPRINTED: 08/12/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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



BARGE "MMI 3020"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 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	5,152.04	0	4,790.51	0	4,417.07	0	4,042.39	0	3,667.70	0	3,293.01	0	2,918.32		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,144.65	1/4	4,782.81	1/4	4,409.27	1/4	4,034.58	1/4	3,659.89	1/4	3,285.21	1/4	2,910.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,137.26	1/2	4,775.12	1/2	4,401.46	1/2	4,026.77	1/2	3,652.08	1/2	3,277.40	1/2	2,902.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,129.88	3/4	4,767.43	3/4	4,393.66	3/4	4,018.97	3/4	3,644.28	3/4	3,269.59	3/4	2,894.90		
1		1		1		1	5,122.49	1	4,759.74	1	4,385.85	1	4,011.16	1	3,636.47	1	3,261.79	1	2,887.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,115.11	1/4	4,752.04	1/4	4,378.05	1/4	4,003.36	1/4	3,628.67	1/4	3,253.98	1/4	2,879.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,107.72	1/2	4,744.35	1/2	4,370.24	1/2	3,995.55	1/2	3,620.86	1/2	3,246.17	1/2	2,871.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,100.28	3/4	4,736.60	3/4	4,362.43	3/4	3,987.74	3/4	3,613.06	3/4	3,238.37	3/4	2,863.68		
2		2		2		2	5,092.84	2	4,728.86	2	4,354.63	2	3,979.94	2	3,605.25	2	3,230.56	2	2,855.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,085.39	1/4	4,721.11	1/4	4,346.82	1/4	3,972.13	1/4	3,597.45	1/4	3,222.76	1/4	2,848.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,077.95	1/2	4,713.36	1/2	4,339.01	1/2	3,964.32	1/2	3,589.64	1/2	3,214.95	1/2	2,840.26		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,070.49	3/4	4,705.59	3/4	4,331.21	3/4	3,956.52	3/4	3,581.83	3/4	3,207.14	3/4	2,832.46		
3		3		3		3	5,063.03	3	4,697.83	3	4,323.40	3	3,948.71	3	3,574.03	3	3,199.34	3	2,824.65		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,055.56	1/4	4,690.06	1/4	4,315.60	1/4	3,940.91	1/4	3,566.22	1/4	3,191.53	1/4	2,816.85		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,048.10	1/2	4,682.29	1/2	4,307.79	1/2	3,933.10	1/2	3,558.41	1/2	3,183.72	1/2	2,809.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,040.64	3/4	4,674.52	3/4	4,299.98	3/4	3,925.30	3/4	3,550.61	3/4	3,175.92	3/4	2,801.23		
4		4		4		4	5,033.18	4	4,666.75	4	4,292.18	4	3,917.49	4	3,542.80	4	3,168.11	4	2,793.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,025.71	1/4	4,658.98	1/4	4,284.37	1/4	3,909.69	1/4	3,535.00	1/4	3,160.31	1/4	2,785.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,018.25	1/2	4,651.21	1/2	4,276.56	1/2	3,901.88	1/2	3,527.19	1/2	3,152.50	1/2	2,777.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,278.09	3/4	4,643.42	3/4	4,268.76	3/4	3,894.07	3/4	3,519.38	3/4	3,144.70	3/4	2,770.01		
5		5		5		5	5,003.22	5	4,635.62	5	4,260.95	5	3,886.27	5	3,511.58	5	3,136.89	5	2,762.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,277.44	1/4	4,995.70	1/4	4,627.83	1/4	4,253.15	1/4	3,878.46	1/4	3,503.77	1/4	3,129.09	1/4	2,754.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,277.12	1/2	4,988.18	1/2	4,620.03	1/2	4,245.34	1/2	3,870.65	1/2	3,495.96	1/2	3,121.28	1/2	2,746.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,275.93	3/4	4,980.64	3/4	4,612.22	3/4	4,237.54	3/4	3,862.85	3/4	3,488.16	3/4	3,113.47	3/4	2,738.78
6		6		6		6	5,274.73	6	4,973.10	6	4,604.42	6	4,229.73	6	3,855.04	6	3,480.35	6	3,105.67	6	2,730.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,273.54	1/4	4,965.56	1/4	4,596.61	1/4	4,221.93	1/4	3,847.24	1/4	3,472.55	1/4	3,097.86	1/4	2,723.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,272.34	1/2	4,958.02	1/2	4,588.80	1/2	4,214.12	1/2	3,839.43	1/2	3,464.74	1/2	3,090.05	1/2	2,715.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,269.73	3/4	4,950.48	3/4	4,581.00	3/4	4,206.31	3/4	3,831.62	3/4	3,456.94	3/4	3,082.25	3/4	2,707.56
7		7		7		7	5,267.11	7	4,942.95	7	4,573.19	7	4,198.51	7	3,823.82	7	3,449.13	7	3,074.44	7	2,699.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,264.50	1/4	4,935.41	1/4	4,565.39	1/4	4,190.70	1/4	3,816.01	1/4	3,441.33	1/4	3,066.64	1/4	2,691.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,261.88	1/2	4,927.87	1/2	4,557.58	1/2	4,182.89	1/2	3,808.20	1/2	3,433.52	1/2	3,058.83	1/2	2,684.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,257.79	3/4	4,920.28	3/4	4,549.78	3/4	4,175.09	3/4	3,800.40	3/4	3,425.71	3/4	3,051.02	3/4	2,676.34
8		8		8		8	5,253.70	8	4,912.68	8	4,541.97	8	4,167.28	8	3,792.59	8	3,417.91	8	3,043.22	8	2,668.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,249.60	1/4	4,905.09	1/4	4,534.17	1/4	4,159.48	1/4	3,784.79	1/4	3,410.10	1/4	3,035.41	1/4	2,660.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,245.51	1/2	4,897.49	1/2	4,526.36	1/2	4,151.67	1/2	3,776.98	1/2	3,402.29	1/2	3,027.60	1/2	2,652.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,239.98	3/4	4,889.88	3/4	4,518.55	3/4	4,143.86	3/4	3,769.18	3/4	3,394.49	3/4	3,019.80	3/4	2,645.11
9		9		9		9	5,234.45	9	4,882.27	9	4,510.75	9	4,136.06	9	3,761.37	9	3,386.68	9	3,011.99	9	2,637.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,228.91	1/4	4,874.65	1/4	4,502.94	1/4	4,128.25	1/4	3,753.57	1/4	3,378.88	1/4	3,004.19	1/4	2,629.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,223.38	1/2	4,867.04	1/2	4,495.13	1/2	4,120.44	1/2	3,745.76	1/2	3,371.07	1/2	2,996.38	1/2	2,621.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,216.60	3/4	4,859.43	3/4	4,487.33	3/4	4,112.64	3/4	3,737.95	3/4	3,363.26	3/4	2,988.58	3/4	2,613.89
10		10		10		10	5,209.83	10	4,851.81	10	4,479.52	10	4,104.83	10	3,730.15	10	3,355.46	10	2,980.77	10	2,606.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,203.05	1/4	4,844.20	1/4	4,471.72	1/4	4,097.03	1/4	3,722.34	1/4	3,347.65	1/4	2,972.97	1/4	2,598.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,196.27	1/2	4,836.58	1/2	4,463.91	1/2	4,089.22	1/2	3,714.53	1/2	3,339.84	1/2	2,965.16	1/2	2,590.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,188.91	3/4	4,828.91	3/4	4,456.10	3/4	4,081.42	3/4	3,706.73	3/4	3,332.04	3/4	2,957.35	3/4	2,582.66
11		11		11		11	5,181.54	11	4,821.24	11	4,448.30	11	4,073.61	11	3,698.92	11	3,324.23	11	2,949.55	11	2,574.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,174.18	1/4	4,813.56	1/4	4,440.49	1/4	4,065.81	1/4	3,691.12	1/4	3,316.43	1/4	2,941.74	1/4	2,567.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,166.81	1/2	4,805.89	1/2	4,432.68	1/2	4,058.00	1/2	3,683.31	1/2	3,308.62	1/2	2,933.93	1/2	2,559.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,159.42	3/4	4,798.20	3/4	4,424.88	3/4	4,050.19	3/4	3,675.50	3/4	3,300.82	3/4	2,926.13	3/4	2,551.44

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD.

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 3020"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,543.63	0	2,168.95	0	1,794.26	0	1,419.57	0	1,045.10	0	671.25	0	302.92	0		0		0	
1/4	2,535.83	1/4	2,161.14	1/4	1,786.45	1/4	1,411.77	1/4	1,037.32	1/4	663.45	1/4	295.58	1/4	1/4		1/4		1/4
1/2	2,528.02	1/2	2,153.33	1/2	1,778.64	1/2	1,403.96	1/2	1,029.53	1/2	655.64	1/2	288.24	1/2	1/2		1/2		1/2
3/4	2,520.22	3/4	2,145.53	3/4	1,770.84	3/4	1,396.15	3/4	1,021.75	3/4	647.83	3/4	280.90	3/4	3/4		3/4		3/4
1	2,512.41	1	2,137.72	1	1,763.03	1	1,388.35	1	1,013.97	1	640.03	1	273.56	1	1		1		1
1/4	2,504.61	1/4	2,129.92	1/4	1,755.23	1/4	1,380.54	1/4	1,006.18	1/4	632.22	1/4	266.21	1/4	1/4		1/4		1/4
1/2	2,496.80	1/2	2,122.11	1/2	1,747.42	1/2	1,372.73	1/2	998.40	1/2	624.41	1/2	258.87	1/2	1/2		1/2		1/2
3/4	2,488.99	3/4	2,114.30	3/4	1,739.62	3/4	1,364.93	3/4	990.62	3/4	616.61	3/4	251.74	3/4	3/4		3/4		3/4
2	2,481.19	2	2,106.50	2	1,731.81	2	1,357.12	2	982.83	2	608.80	2	244.62	2	2		2		2
1/4	2,473.38	1/4	2,098.69	1/4	1,724.01	1/4	1,349.32	1/4	975.05	1/4	601.00	1/4	237.49	1/4	1/4		1/4		1/4
1/2	2,465.57	1/2	2,090.88	1/2	1,716.20	1/2	1,341.51	1/2	967.26	1/2	593.19	1/2	230.36	1/2	1/2		1/2		1/2
3/4	2,457.77	3/4	2,083.08	3/4	1,708.39	3/4	1,333.70	3/4	959.48	3/4	585.38	3/4	223.23	3/4	3/4		3/4		3/4
3	2,449.96	3	2,075.27	3	1,700.59	3	1,325.90	3	951.69	3	577.58	3	216.10	3	3		3		3
1/4	2,442.16	1/4	2,067.47	1/4	1,692.78	1/4	1,318.09	1/4	943.91	1/4	569.77	1/4	208.97	1/4	1/4		1/4		1/4
1/2	2,434.35	1/2	2,059.66	1/2	1,684.97	1/2	1,310.28	1/2	936.12	1/2	561.96	1/2	201.84	1/2	1/2		1/2		1/2
3/4	2,426.54	3/4	2,051.86	3/4	1,677.17	3/4	1,302.48	3/4	928.34	3/4	554.16	3/4	194.71	3/4	3/4		3/4		3/4
4	2,418.74	4	2,044.05	4	1,669.36	4	1,294.67	4	920.56	4	546.35	4	187.59	4	4		4		4
1/4	2,410.93	1/4	2,036.25	1/4	1,661.56	1/4	1,286.87	1/4	912.77	1/4	538.55	1/4	180.46	1/4	1/4		1/4		1/4
1/2	2,403.12	1/2	2,028.44	1/2	1,653.75	1/2	1,279.06	1/2	904.99	1/2	530.74	1/2	173.33	1/2	1/2		1/2		1/2
3/4	2,395.32	3/4	2,020.63	3/4	1,645.94	3/4	1,271.26	3/4	897.21	3/4	522.94	3/4	166.42	3/4	3/4		3/4		3/4
5	2,387.51	5	2,012.83	5	1,638.14	5	1,263.45	5	889.42	5	515.13	5	159.51	5	5		5		5
1/4	2,379.71	1/4	2,005.02	1/4	1,630.33	1/4	1,255.65	1/4	881.64	1/4	507.33	1/4	152.59	1/4	1/4		1/4		1/4
1/2	2,371.90	1/2	1,997.21	1/2	1,622.52	1/2	1,247.84	1/2	873.85	1/2	499.52	1/2	145.68	1/2	1/2		1/2		1/2
3/4	2,364.10	3/4	1,989.41	3/4	1,614.72	3/4	1,240.03	3/4	866.07	3/4	491.79	3/4	138.77	3/4	3/4		3/4		3/4
6	2,356.29	6	1,981.60	6	1,606.91	6	1,232.23	6	858.29	6	484.05	6	131.85	6	6		6		6
1/4	2,348.49	1/4	1,973.80	1/4	1,599.11	1/4	1,224.42	1/4	850.50	1/4	476.32	1/4	124.94	1/4	1/4		1/4		1/4
1/2	2,340.68	1/2	1,965.99	1/2	1,591.30	1/2	1,216.61	1/2	842.72	1/2	468.58	1/2	118.02	1/2	1/2		1/2		1/2
3/4	2,332.87	3/4	1,958.18	3/4	1,583.50	3/4	1,208.81	3/4	834.94	3/4	460.85	3/4	111.11	3/4	3/4		3/4		3/4
7	2,325.07	7	1,950.38	7	1,575.69	7	1,201.00	7	827.15	7	453.11	7	104.19	7	7		7		7
1/4	2,317.26	1/4	1,942.57	1/4	1,567.89	1/4	1,193.20	1/4	819.37	1/4	445.38	1/4	97.28	1/4	1/4		1/4		1/4
1/2	2,309.45	1/2	1,934.76	1/2	1,560.08	1/2	1,185.39	1/2	811.58	1/2	437.64	1/2	90.36	1/2	1/2		1/2		1/2
3/4	2,301.65	3/4	1,926.96	3/4	1,552.27	3/4	1,177.58	3/4	803.80	3/4	430.09	3/4	83.83	3/4	3/4		3/4		3/4
8	2,293.84	8	1,919.15	8	1,544.47	8	1,169.78	8	796.01	8	422.53	8	77.29	8	8		8		8
1/4	2,286.04	1/4	1,911.35	1/4	1,536.66	1/4	1,161.97	1/4	788.23	1/4	414.98	1/4	70.76	1/4	1/4		1/4		1/4
1/2	2,278.23	1/2	1,903.54	1/2	1,528.85	1/2	1,154.16	1/2	780.44	1/2	407.42	1/2	64.22	1/2	1/2		1/2		1/2
3/4	2,270.42	3/4	1,895.74	3/4	1,521.05	3/4	1,146.36	3/4	772.66	3/4	399.87	3/4	58.67	3/4	3/4		3/4		3/4
9	2,262.62	9	1,887.93	9	1,513.24	9	1,138.55	9	764.88	9	392.31	9	53.11	9	9		9		9
1/4	2,254.81	1/4	1,880.13	1/4	1,505.44	1/4	1,130.75	1/4	757.09	1/4	384.76	1/4	47.56	1/4	1/4		1/4		1/4
1/2	2,247.00	1/2	1,872.32	1/2	1,497.63	1/2	1,122.94	1/2	749.31	1/2	377.20	1/2	42.00	1/2	1/2		1/2		1/2
3/4	2,239.20	3/4	1,864.51	3/4	1,489.82	3/4	1,115.16	3/4	741.50	3/4	369.64	3/4	36.45	3/4	3/4		3/4		3/4
10	2,231.39	10	1,856.71	10	1,482.02	10	1,107.37	10	733.70	10	362.09	10	30.90	10	10		10		10
1/4	2,223.59	1/4	1,848.90	1/4	1,474.21	1/4	1,099.59	1/4	725.89	1/4	354.53	1/4	25.35	1/4	1/4		1/4		1/4
1/2	2,215.78	1/2	1,841.09	1/2	1,466.40	1/2	1,091.80	1/2	718.08	1/2	346.97	1/2	19.80	1/2	1/2		1/2		1/2
3/4	2,207.98	3/4	1,833.29	3/4	1,458.60	3/4	1,084.02	3/4	710.28	3/4	339.63	3/4	14.25	3/4	3/4		3/4		3/4
11	2,200.17	11	1,825.48	11	1,450.79	11	1,076.24	11	702.47	11	332.29	11	8.70	11	11		11		11
1/4	2,192.37	1/4	1,817.68	1/4	1,442.99	1/4	1,068.45	1/4	694.67	1/4	324.94	1/4	3.15	1/4	1/4		1/4		1/4
1/2	2,184.56	1/2	1,809.87	1/2	1,435.18	1/2	1,060.67	1/2	686.86	1/2	317.60	1/2	-2.40	1/2	1/2		1/2		1/2
3/4	2,176.75	3/4	1,802.06	3/4	1,427.38	3/4	1,052.89	3/4	679.06	3/4	310.26	3/4	-7.95	3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2000 INSP.
RECALCULATED: 08/11/2019
REPRINTED: 08/12/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT
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BARGE "MMI 3020"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 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	5,019.32	0	4,670.96	0	4,310.50	0	3,948.68	0	3,586.86	0	3,225.03	0	2,863.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,012.21	1/4	4,663.54	1/4	4,302.96	1/4	3,941.14	1/4	3,579.32	1/4	3,217.49	1/4	2,855.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,005.09	1/2	4,656.11	1/2	4,295.43	1/2	3,933.61	1/2	3,571.78	1/2	3,209.96	1/2	2,848.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,997.97	3/4	4,648.69	3/4	4,287.89	3/4	3,926.07	3/4	3,564.24	3/4	3,202.42	3/4	2,840.60
1		1		1		1	4,990.85	1	4,641.26	1	4,280.35	1	3,918.53	1	3,556.70	1	3,194.88	1	2,833.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,983.74	1/4	4,633.84	1/4	4,272.81	1/4	3,910.99	1/4	3,549.16	1/4	3,187.34	1/4	2,825.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,976.62	1/2	4,626.41	1/2	4,265.28	1/2	3,903.46	1/2	3,541.63	1/2	3,179.81	1/2	2,817.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,969.50	3/4	4,618.99	3/4	4,257.74	3/4	3,895.92	3/4	3,534.09	3/4	3,172.27	3/4	2,810.44
2		2		2		2	4,962.33	2	4,611.51	2	4,250.20	2	3,888.38	2	3,526.55	2	3,164.73	2	2,802.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,955.15	1/4	4,604.03	1/4	4,242.66	1/4	3,880.84	1/4	3,519.01	1/4	3,157.19	1/4	2,795.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,947.98	1/2	4,596.55	1/2	4,235.13	1/2	3,873.30	1/2	3,511.48	1/2	3,149.66	1/2	2,787.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,940.80	3/4	4,589.07	3/4	4,227.59	3/4	3,865.76	3/4	3,503.94	3/4	3,142.12	3/4	2,780.29
3		3		3		3	4,933.61	3	4,581.57	3	4,220.05	3	3,858.22	3	3,496.40	3	3,134.58	3	2,772.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,926.41	1/4	4,574.07	1/4	4,212.51	1/4	3,850.68	1/4	3,488.86	1/4	3,127.04	1/4	2,765.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,919.22	1/2	4,566.57	1/2	4,204.98	1/2	3,843.15	1/2	3,481.33	1/2	3,119.50	1/2	2,757.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,912.02	3/4	4,559.07	3/4	4,197.44	3/4	3,835.61	3/4	3,473.79	3/4	3,111.96	3/4	2,750.14
4		4		4		4	4,904.83	4	4,551.57	4	4,189.90	4	3,828.07	4	3,466.25	4	3,104.42	4	2,742.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,897.63	1/4	4,544.07	1/4	4,182.36	1/4	3,820.53	1/4	3,458.71	1/4	3,096.88	1/4	2,735.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,890.44	1/2	4,536.57	1/2	4,174.82	1/2	3,813.00	1/2	3,451.18	1/2	3,089.35	1/2	2,727.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,883.24	3/4	4,529.07	3/4	4,167.28	3/4	3,805.46	3/4	3,443.64	3/4	3,081.81	3/4	2,719.99
5		5	5,133.45	5	4,875.99	5	4,521.54	5	4,159.74	5	3,797.92	5	3,436.10	5	3,074.27	5	2,712.45		
1/4	1/4	1/4	5,133.15	1/4	4,868.74	1/4	4,514.01	1/4	4,152.20	1/4	3,790.38	1/4	3,428.56	1/4	3,066.73	1/4	2,704.91		
1/2	1/2	1/2	5,132.85	1/2	4,861.49	1/2	4,506.49	1/2	4,144.67	1/2	3,782.85	1/2	3,421.02	1/2	3,059.20	1/2	2,697.38		
3/4	3/4	3/4	5,132.55	3/4	4,854.24	3/4	4,498.96	3/4	4,137.13	3/4	3,775.31	3/4	3,413.48	3/4	3,051.66	3/4	2,689.84		
6		6	5,131.42	6	4,846.97	6	4,491.42	6	4,129.59	6	3,767.77	6	3,405.94	6	3,044.12	6	2,682.30		
1/4	1/4	1/4	5,130.28	1/4	4,839.70	1/4	4,483.88	1/4	4,122.05	1/4	3,760.23	1/4	3,398.40	1/4	3,036.58	1/4	2,674.76		
1/2	1/2	1/2	5,129.15	1/2	4,832.43	1/2	4,476.34	1/2	4,114.52	1/2	3,752.70	1/2	3,390.87	1/2	3,029.05	1/2	2,667.22		
3/4	3/4	3/4	5,128.01	3/4	4,825.16	3/4	4,468.80	3/4	4,106.98	3/4	3,745.16	3/4	3,383.33	3/4	3,021.51	3/4	2,659.68		
7		7	5,125.50	7	4,817.89	7	4,461.26	7	4,099.44	7	3,737.62	7	3,375.79	7	3,013.97	7	2,652.14		
1/4	1/4	1/4	5,123.00	1/4	4,810.62	1/4	4,453.72	1/4	4,091.90	1/4	3,730.08	1/4	3,368.25	1/4	3,006.43	1/4	2,644.60		
1/2	1/2	1/2	5,120.49	1/2	4,803.35	1/2	4,446.19	1/2	4,084.37	1/2	3,722.54	1/2	3,360.72	1/2	2,998.90	1/2	2,637.07		
3/4	3/4	3/4	5,117.98	3/4	4,796.08	3/4	4,438.65	3/4	4,076.83	3/4	3,715.00	3/4	3,353.18	3/4	2,991.36	3/4	2,629.53		
8		8	5,114.05	8	4,788.75	8	4,431.11	8	4,069.29	8	3,707.46	8	3,345.64	8	2,983.82	8	2,621.99		
1/4	1/4	1/4	5,110.11	1/4	4,781.42	1/4	4,423.57	1/4	4,061.75	1/4	3,699.92	1/4	3,338.10	1/4	2,976.28	1/4	2,614.45		
1/2	1/2	1/2	5,106.18	1/2	4,774.10	1/2	4,416.04	1/2	4,054.22	1/2	3,692.39	1/2	3,330.57	1/2	2,968.74	1/2	2,606.92		
3/4	3/4	3/4	5,102.24	3/4	4,766.77	3/4	4,408.50	3/4	4,046.68	3/4	3,684.85	3/4	3,323.03	3/4	2,961.20	3/4	2,599.38		
9		9	5,096.92	9	4,759.42	9	4,400.96	9	4,039.14	9	3,677.31	9	3,315.49	9	2,953.66	9	2,591.84		
1/4	1/4	1/4	5,091.59	1/4	4,752.08	1/4	4,393.42	1/4	4,031.60	1/4	3,669.77	1/4	3,307.95	1/4	2,946.12	1/4	2,584.30		
1/2	1/2	1/2	5,086.27	1/2	4,744.73	1/2	4,385.89	1/2	4,024.06	1/2	3,662.24	1/2	3,300.42	1/2	2,938.59	1/2	2,576.77		
3/4	3/4	3/4	5,080.94	3/4	4,737.39	3/4	4,378.35	3/4	4,016.52	3/4	3,654.70	3/4	3,292.88	3/4	2,931.05	3/4	2,569.23		
10		10	5,074.41	10	4,730.04	10	4,370.81	10	4,008.98	10	3,647.16	10	3,285.34	10	2,923.51	10	2,561.69		
1/4	1/4	1/4	5,067.89	1/4	4,722.69	1/4	4,363.27	1/4	4,001.44	1/4	3,639.62	1/4	3,277.80	1/4	2,915.97	1/4	2,554.15		
1/2	1/2	1/2	5,061.36	1/2	4,715.35	1/2	4,355.74	1/2	3,993.91	1/2	3,632.09	1/2	3,270.26	1/2	2,908.44	1/2	2,546.62		
3/4	3/4	3/4	5,054.83	3/4	4,708.00	3/4	4,348.20	3/4	3,986.37	3/4	3,624.55	3/4	3,262.72	3/4	2,900.90	3/4	2,539.08		
11		11	5,047.73	11	4,700.60	11	4,340.66	11	3,978.83	11	3,617.01	11	3,255.18	11	2,893.36	11	2,531.54		
1/4	1/4	1/4	5,040.64	1/4	4,693.19	1/4	4,333.12	1/4	3,971.29	1/4	3,609.47	1/4	3,247.64	1/4	2,885.82	1/4	2,524.00		
1/2	1/2	1/2	5,033.54	1/2	4,685.79	1/2	4,325.58	1/2	3,963.76	1/2	3,601.94	1/2	3,240.11	1/2	2,878.29	1/2	2,516.46		
3/4	3/4	3/4	5,026.44	3/4	4,678.39	3/4	4,318.04	3/4	3,956.22	3/4	3,594.40	3/4	3,232.57	3/4	2,870.75	3/4	2,508.92		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MMI 3020"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,501.38	0	2,139.56	0	1,777.74	0	1,415.91	0	1,054.29	0	693.32	0	331.50	0		0		0	
1/4	2,493.84	1/4	2,132.03	1/4	1,770.20	1/4	1,408.38	1/4	1,046.77	1/4	685.79	1/4	323.96	1/4	1/4	1/4		1/4	1/4
1/2	2,486.31	1/2	2,124.49	1/2	1,762.66	1/2	1,400.84	1/2	1,039.26	1/2	678.25	1/2	316.42	1/2	1/2	1/2		1/2	1/2
3/4	2,478.77	3/4	2,116.95	3/4	1,755.12	3/4	1,393.30	3/4	1,031.74	3/4	670.71	3/4	308.88	3/4	3/4	3/4		3/4	3/4
1	2,471.23	1	2,109.41	1	1,747.58	1	1,385.76	1	1,024.23	1	663.17	1	301.34	1	1	1		1	1
1/4	2,463.69	1/4	2,101.88	1/4	1,740.05	1/4	1,378.23	1/4	1,016.71	1/4	655.64	1/4	293.81	1/4	1/4	1/4		1/4	1/4
1/2	2,456.16	1/2	2,094.34	1/2	1,732.51	1/2	1,370.69	1/2	1,009.20	1/2	648.10	1/2	286.27	1/2	1/2	1/2		1/2	1/2
3/4	2,448.62	3/4	2,086.80	3/4	1,724.97	3/4	1,363.15	3/4	1,001.68	3/4	640.56	3/4	278.73	3/4	3/4	3/4		3/4	3/4
2	2,441.08	2	2,079.26	2	1,717.43	2	1,355.61	2	994.16	2	633.02	2	271.19	2	2	2		2	2
1/4	2,433.55	1/4	2,071.72	1/4	1,709.90	1/4	1,348.08	1/4	986.65	1/4	625.48	1/4	263.66	1/4	1/4	1/4		1/4	1/4
1/2	2,426.01	1/2	2,064.18	1/2	1,702.36	1/2	1,340.54	1/2	979.13	1/2	617.94	1/2	256.12	1/2	1/2	1/2		1/2	1/2
3/4	2,418.47	3/4	2,056.64	3/4	1,694.82	3/4	1,333.00	3/4	971.61	3/4	610.40	3/4	248.58	3/4	3/4	3/4		3/4	3/4
3	2,410.93	3	2,049.10	3	1,687.28	3	1,325.46	3	964.10	3	602.86	3	241.04	3	3	3		3	3
1/4	2,403.40	1/4	2,041.57	1/4	1,679.75	1/4	1,317.92	1/4	956.58	1/4	595.33	1/4	233.51	1/4	1/4	1/4		1/4	1/4
1/2	2,395.86	1/2	2,034.03	1/2	1,672.21	1/2	1,310.38	1/2	949.07	1/2	587.79	1/2	225.97	1/2	1/2	1/2		1/2	1/2
3/4	2,388.32	3/4	2,026.49	3/4	1,664.67	3/4	1,302.84	3/4	941.55	3/4	580.25	3/4	218.43	3/4	3/4	3/4		3/4	3/4
4	2,380.78	4	2,018.95	4	1,657.13	4	1,295.30	4	934.03	4	572.71	4	210.89	4	4	4		4	4
1/4	2,373.24	1/4	2,011.42	1/4	1,649.60	1/4	1,287.77	1/4	926.52	1/4	565.18	1/4	203.36	1/4	1/4	1/4		1/4	1/4
1/2	2,365.70	1/2	2,003.88	1/2	1,642.06	1/2	1,280.23	1/2	919.00	1/2	557.64	1/2	195.82	1/2	1/2	1/2		1/2	1/2
3/4	2,358.16	3/4	1,996.34	3/4	1,634.52	3/4	1,272.69	3/4	911.48	3/4	550.10	3/4	188.28	3/4	3/4	3/4		3/4	3/4
5	2,350.62	5	1,988.80	5	1,626.98	5	1,265.15	5	903.97	5	542.56	5	180.74	5	5	5		5	5
1/4	2,343.09	1/4	1,981.27	1/4	1,619.44	1/4	1,257.62	1/4	896.45	1/4	535.03	1/4	173.20	1/4	1/4	1/4		1/4	1/4
1/2	2,335.55	1/2	1,973.73	1/2	1,611.90	1/2	1,250.08	1/2	888.94	1/2	527.49	1/2	165.66	1/2	1/2	1/2		1/2	1/2
3/4	2,328.01	3/4	1,966.19	3/4	1,604.36	3/4	1,242.54	3/4	881.42	3/4	519.95	3/4	158.12	3/4	3/4	3/4		3/4	3/4
6	2,320.47	6	1,958.65	6	1,596.82	6	1,235.00	6	873.91	6	512.41	6	150.58	6	6	6		6	6
1/4	2,312.94	1/4	1,951.12	1/4	1,589.29	1/4	1,227.47	1/4	866.39	1/4	504.88	1/4	143.05	1/4	1/4	1/4		1/4	1/4
1/2	2,305.40	1/2	1,943.58	1/2	1,581.75	1/2	1,219.93	1/2	858.88	1/2	497.34	1/2	135.51	1/2	1/2	1/2		1/2	1/2
3/4	2,297.86	3/4	1,936.04	3/4	1,574.21	3/4	1,212.39	3/4	851.36	3/4	489.80	3/4	127.97	3/4	3/4	3/4		3/4	3/4
7	2,290.32	7	1,928.50	7	1,566.67	7	1,204.85	7	843.84	7	482.26	7	120.46	7	7	7		7	7
1/4	2,282.79	1/4	1,920.96	1/4	1,559.14	1/4	1,197.32	1/4	836.33	1/4	474.72	1/4	112.94	1/4	1/4	1/4		1/4	1/4
1/2	2,275.25	1/2	1,913.42	1/2	1,551.60	1/2	1,189.78	1/2	828.81	1/2	467.18	1/2	105.43	1/2	1/2	1/2		1/2	1/2
3/4	2,267.71	3/4	1,905.88	3/4	1,544.06	3/4	1,182.24	3/4	821.29	3/4	459.64	3/4	97.91	3/4	3/4	3/4		3/4	3/4
8	2,260.17	8	1,898.34	8	1,536.52	8	1,174.70	8	813.78	8	452.10	8	90.57	8	8	8		8	8
1/4	2,252.64	1/4	1,890.81	1/4	1,528.99	1/4	1,167.16	1/4	806.26	1/4	444.57	1/4	83.22	1/4	1/4	1/4		1/4	1/4
1/2	2,245.10	1/2	1,883.27	1/2	1,521.45	1/2	1,159.62	1/2	798.75	1/2	437.03	1/2	75.88	1/2	1/2	1/2		1/2	1/2
3/4	2,237.56	3/4	1,875.73	3/4	1,513.91	3/4	1,152.08	3/4	791.23	3/4	429.49	3/4	68.53	3/4	3/4	3/4		3/4	3/4
9	2,230.02	9	1,868.19	9	1,506.37	9	1,144.54	9	783.71	9	421.95	9	62.39	9	9	9		9	9
1/4	2,222.48	1/4	1,860.66	1/4	1,498.84	1/4	1,137.01	1/4	776.20	1/4	414.42	1/4	56.25	1/4	1/4	1/4		1/4	1/4
1/2	2,214.94	1/2	1,853.12	1/2	1,491.30	1/2	1,129.47	1/2	768.68	1/2	406.88	1/2	50.10	1/2	1/2	1/2		1/2	1/2
3/4	2,207.40	3/4	1,845.58	3/4	1,483.76	3/4	1,121.93	3/4	761.16	3/4	399.34	3/4	43.96	3/4	3/4	3/4		3/4	3/4
10	2,199.86	10	1,838.04	10	1,476.22	10	1,114.42	10	753.62	10	391.80	10	39.19	10	10	10		10	10
1/4	2,192.33	1/4	1,830.51	1/4	1,468.68	1/4	1,106.90	1/4	746.09	1/4	384.27	1/4	34.42	1/4	1/4	1/4		1/4	1/4
1/2	2,184.79	1/2	1,822.97	1/2	1,461.14	1/2	1,099.39	1/2	738.55	1/2	376.73	1/2	29.64	1/2	1/2	1/2		1/2	1/2
3/4	2,177.25	3/4	1,815.43	3/4	1,453.60	3/4	1,091.87	3/4	731.01	3/4	369.19	3/4	24.87	3/4	3/4	3/4		3/4	3/4
11	2,169.71	11	1,807.89	11	1,446.06	11	1,084.35	11	723.47	11	361.65	11		11	11	11		11	11
1/4	2,162.18	1/4	1,800.36	1/4	1,438.53	1/4	1,076.84	1/4	715.94	1/4	354.12	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,154.64	1/2	1,792.82	1/2	1,430.99	1/2	1,069.32	1/2	708.40	1/2	346.58	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,147.10	3/4	1,785.28	3/4	1,423.45	3/4	1,061.80	3/4	700.86	3/4	339.04	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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REPRINTED: 08/12/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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



BARGE "MMI 3020"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							5,012.21		4,663.54		4,302.96		3,941.14		3,579.32		3,217.49		2,855.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,005.09	1/4	4,656.11	1/4	4,295.43	1/4	3,933.61	1/4	3,571.78	1/4	3,209.96	1/4	2,848.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,997.97	1/2	4,648.69	1/2	4,287.89	1/2	3,926.07	1/2	3,564.24	1/2	3,202.42	1/2	2,840.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,990.85	3/4	4,641.26	3/4	4,280.35	3/4	3,918.53	3/4	3,556.70	3/4	3,194.88	3/4	2,833.06		
1	1	1	1	1	1	1	4,983.74	1	4,633.84	1	4,272.81	1	3,910.99	1	3,549.16	1	3,187.34	1	2,825.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,976.62	1/4	4,626.41	1/4	4,265.28	1/4	3,903.46	1/4	3,541.63	1/4	3,179.81	1/4	2,817.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,969.50	1/2	4,618.99	1/2	4,257.74	1/2	3,895.92	1/2	3,534.09	1/2	3,172.27	1/2	2,810.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,962.33	3/4	4,611.51	3/4	4,250.20	3/4	3,888.38	3/4	3,526.55	3/4	3,164.73	3/4	2,802.90		
2	2	2	2	2	2	2	4,955.15	2	4,604.03	2	4,242.66	2	3,880.84	2	3,519.01	2	3,157.19	2	2,795.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,947.98	1/4	4,596.55	1/4	4,235.13	1/4	3,873.30	1/4	3,511.48	1/4	3,149.66	1/4	2,787.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,940.80	1/2	4,589.07	1/2	4,227.59	1/2	3,865.76	1/2	3,503.94	1/2	3,142.12	1/2	2,780.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,933.61	3/4	4,581.57	3/4	4,220.05	3/4	3,858.22	3/4	3,496.40	3/4	3,134.58	3/4	2,772.75		
3	3	3	3	3	3	3	4,926.41	3	4,574.07	3	4,212.51	3	3,850.68	3	3,488.86	3	3,127.04	3	2,765.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,919.22	1/4	4,566.57	1/4	4,204.98	1/4	3,843.15	1/4	3,481.33	1/4	3,119.50	1/4	2,757.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,912.02	1/2	4,559.07	1/2	4,197.44	1/2	3,835.61	1/2	3,473.79	1/2	3,111.96	1/2	2,750.14		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,904.83	3/4	4,551.57	3/4	4,189.90	3/4	3,828.07	3/4	3,466.25	3/4	3,104.42	3/4	2,742.60		
4	4	4	4	4	4	4	4,897.63	4	4,544.07	4	4,182.36	4	3,820.53	4	3,458.71	4	3,096.88	4	2,735.06		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,890.44	1/4	4,536.57	1/4	4,174.82	1/4	3,813.00	1/4	3,451.18	1/4	3,089.35	1/4	2,727.53		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,883.24	1/2	4,529.07	1/2	4,167.28	1/2	3,805.46	1/2	3,443.64	1/2	3,081.81	1/2	2,719.99		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,133.45	3/4	4,875.99	3/4	4,521.54	3/4	4,159.74	3/4	3,797.92	3/4	3,436.10	3/4	3,074.27		
5	5	5	5	5	5	5	4,868.74	5	4,514.01	5	4,152.20	5	3,790.38	5	3,428.56	5	3,066.73	5	2,704.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,132.85	1/4	4,861.49	1/4	4,506.49	1/4	4,144.67	1/4	3,782.85	1/4	3,421.02	1/4	3,059.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,132.55	1/2	4,854.24	1/2	4,498.96	1/2	4,137.13	1/2	3,775.31	1/2	3,413.48	1/2	3,051.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,131.42	3/4	4,846.97	3/4	4,491.42	3/4	4,129.59	3/4	3,767.77	3/4	3,405.94	3/4	3,044.12		
6	6	6	6	6	6	6	5,130.28	6	4,839.70	6	4,483.88	6	4,122.05	6	3,760.23	6	3,398.40	6	3,036.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,129.15	1/4	4,832.43	1/4	4,476.34	1/4	4,114.52	1/4	3,752.70	1/4	3,390.87	1/4	3,029.05		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,128.01	1/2	4,825.16	1/2	4,468.80	1/2	4,106.98	1/2	3,745.16	1/2	3,383.33	1/2	3,021.51		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,125.50	3/4	4,817.89	3/4	4,461.26	3/4	4,099.44	3/4	3,737.62	3/4	3,375.79	3/4	3,013.97		
7	7	7	7	7	7	7	5,123.00	7	4,810.62	7	4,453.72	7	4,091.90	7	3,730.08	7	3,368.25	7	3,006.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,120.49	1/4	4,803.35	1/4	4,446.19	1/4	4,084.37	1/4	3,722.54	1/4	3,360.72	1/4	2,998.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,117.98	1/2	4,796.08	1/2	4,438.65	1/2	4,076.83	1/2	3,715.00	1/2	3,353.18	1/2	2,991.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,114.05	3/4	4,788.75	3/4	4,431.11	3/4	4,069.29	3/4	3,707.46	3/4	3,345.64	3/4	2,983.82		
8	8	8	8	8	8	8	5,110.11	8	4,781.42	8	4,423.57	8	4,061.75	8	3,699.92	8	3,338.10	8	2,976.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,106.18	1/4	4,774.10	1/4	4,416.04	1/4	4,054.22	1/4	3,692.39	1/4	3,330.57	1/4	2,968.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,102.24	1/2	4,766.77	1/2	4,408.50	1/2	4,046.68	1/2	3,684.85	1/2	3,323.03	1/2	2,961.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,096.92	3/4	4,759.42	3/4	4,400.96	3/4	4,039.14	3/4	3,677.31	3/4	3,315.49	3/4	2,953.66		
9	9	9	9	9	9	9	5,091.59	9	4,752.08	9	4,393.42	9	4,031.60	9	3,669.77	9	3,307.95	9	2,946.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,086.27	1/4	4,744.73	1/4	4,385.89	1/4	4,024.06	1/4	3,662.24	1/4	3,300.42	1/4	2,938.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,080.94	1/2	4,737.39	1/2	4,378.35	1/2	4,016.52	1/2	3,654.70	1/2	3,292.88	1/2	2,931.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,074.41	3/4	4,730.04	3/4	4,370.81	3/4	4,008.98	3/4	3,647.16	3/4	3,285.34	3/4	2,923.51		
10	10	10	10	10	10	10	5,067.89	10	4,722.69	10	4,363.27	10	4,001.44	10	3,639.62	10	3,277.80	10	2,915.97		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,061.36	1/4	4,715.35	1/4	4,355.74	1/4	3,993.91	1/4	3,632.09	1/4	3,270.26	1/4	2,908.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,054.83	1/2	4,708.00	1/2	4,348.20	1/2	3,986.37	1/2	3,624.55	1/2	3,262.72	1/2	2,900.90		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,047.73	3/4	4,700.60	3/4	4,340.66	3/4	3,978.83	3/4	3,617.01	3/4	3,255.18	3/4	2,893.36		
11	11	11	11	11	11	11	5,040.64	11	4,693.19	11	4,333.12	11	3,971.29	11	3,609.47	11	3,247.64	11	2,885.82		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,033.54	1/4	4,685.79	1/4	4,325.58	1/4	3,963.76	1/4	3,601.94	1/4	3,240.11	1/4	2,878.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,026.44	1/2	4,678.39	1/2	4,318.04	1/2	3,956.22	1/2	3,594.40	1/2	3,232.57	1/2	2,870.75		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,019.32	3/4	4,670.96	3/4	4,310.50	3/4	3,948.68	3/4	3,586.86	3/4	3,225.03	3/4	2,863.21		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "MMI 3020"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,493.84	0	2,132.03	0	1,770.20	0	1,408.38	0	1,046.77	0	685.79	0	323.96	0		0		0	
1/4	2,486.31	1/4	2,124.49	1/4	1,762.66	1/4	1,400.84	1/4	1,039.26	1/4	678.25	1/4	316.42	1/4	1/4		1/4		1/4
1/2	2,478.77	1/2	2,116.95	1/2	1,755.12	1/2	1,393.30	1/2	1,031.74	1/2	670.71	1/2	308.88	1/2	1/2		1/2		1/2
3/4	2,471.23	3/4	2,109.41	3/4	1,747.58	3/4	1,385.76	3/4	1,024.23	3/4	663.17	3/4	301.34	3/4	3/4		3/4		3/4
1	2,463.69	1	2,101.88	1	1,740.05	1	1,378.23	1	1,016.71	1	655.64	1	293.81	1	1		1		1
1/4	2,456.16	1/4	2,094.34	1/4	1,732.51	1/4	1,370.69	1/4	1,009.20	1/4	648.10	1/4	286.27	1/4	1/4		1/4		1/4
1/2	2,448.62	1/2	2,086.80	1/2	1,724.97	1/2	1,363.15	1/2	1,001.68	1/2	640.56	1/2	278.73	1/2	1/2		1/2		1/2
3/4	2,441.08	3/4	2,079.26	3/4	1,717.43	3/4	1,355.61	3/4	994.16	3/4	633.02	3/4	271.19	3/4	3/4		3/4		3/4
2	2,433.55	2	2,071.72	2	1,709.90	2	1,348.08	2	986.65	2	625.48	2	263.66	2	2		2		2
1/4	2,426.01	1/4	2,064.18	1/4	1,702.36	1/4	1,340.54	1/4	979.13	1/4	617.94	1/4	256.12	1/4	1/4		1/4		1/4
1/2	2,418.47	1/2	2,056.64	1/2	1,694.82	1/2	1,333.00	1/2	971.61	1/2	610.40	1/2	248.58	1/2	1/2		1/2		1/2
3/4	2,410.93	3/4	2,049.10	3/4	1,687.28	3/4	1,325.46	3/4	964.10	3/4	602.86	3/4	241.04	3/4	3/4		3/4		3/4
3	2,403.40	3	2,041.57	3	1,679.75	3	1,317.92	3	956.58	3	595.33	3	233.51	3	3		3		3
1/4	2,395.86	1/4	2,034.03	1/4	1,672.21	1/4	1,310.38	1/4	949.07	1/4	587.79	1/4	225.97	1/4	1/4		1/4		1/4
1/2	2,388.32	1/2	2,026.49	1/2	1,664.67	1/2	1,302.84	1/2	941.55	1/2	580.25	1/2	218.43	1/2	1/2		1/2		1/2
3/4	2,380.78	3/4	2,018.95	3/4	1,657.13	3/4	1,295.30	3/4	934.03	3/4	572.71	3/4	210.89	3/4	3/4		3/4		3/4
4	2,373.24	4	2,011.42	4	1,649.60	4	1,287.77	4	926.52	4	565.18	4	203.36	4	4		4		4
1/4	2,365.70	1/4	2,003.88	1/4	1,642.06	1/4	1,280.23	1/4	919.00	1/4	557.64	1/4	195.82	1/4	1/4		1/4		1/4
1/2	2,358.16	1/2	1,996.34	1/2	1,634.52	1/2	1,272.69	1/2	911.48	1/2	550.10	1/2	188.28	1/2	1/2		1/2		1/2
3/4	2,350.62	3/4	1,988.80	3/4	1,626.98	3/4	1,265.15	3/4	903.97	3/4	542.56	3/4	180.74	3/4	3/4		3/4		3/4
5	2,343.09	5	1,981.27	5	1,619.44	5	1,257.62	5	896.45	5	535.03	5	173.20	5	5		5		5
1/4	2,335.55	1/4	1,973.73	1/4	1,611.90	1/4	1,250.08	1/4	888.94	1/4	527.49	1/4	165.66	1/4	1/4		1/4		1/4
1/2	2,328.01	1/2	1,966.19	1/2	1,604.36	1/2	1,242.54	1/2	881.42	1/2	519.95	1/2	158.12	1/2	1/2		1/2		1/2
3/4	2,320.47	3/4	1,958.65	3/4	1,596.82	3/4	1,235.00	3/4	873.91	3/4	512.41	3/4	150.58	3/4	3/4		3/4		3/4
6	2,312.94	6	1,951.12	6	1,589.29	6	1,227.47	6	866.39	6	504.88	6	143.05	6	6		6		6
1/4	2,305.40	1/4	1,943.58	1/4	1,581.75	1/4	1,219.93	1/4	858.88	1/4	497.34	1/4	135.51	1/4	1/4		1/4		1/4
1/2	2,297.86	1/2	1,936.04	1/2	1,574.21	1/2	1,212.39	1/2	851.36	1/2	489.80	1/2	127.97	1/2	1/2		1/2		1/2
3/4	2,290.32	3/4	1,928.50	3/4	1,566.67	3/4	1,204.85	3/4	843.84	3/4	482.26	3/4	120.46	3/4	3/4		3/4		3/4
7	2,282.79	7	1,920.96	7	1,559.14	7	1,197.32	7	836.33	7	474.72	7	112.94	7	7		7		7
1/4	2,275.25	1/4	1,913.42	1/4	1,551.60	1/4	1,189.78	1/4	828.81	1/4	467.18	1/4	105.43	1/4	1/4		1/4		1/4
1/2	2,267.71	1/2	1,905.88	1/2	1,544.06	1/2	1,182.24	1/2	821.29	1/2	459.64	1/2	97.91	1/2	1/2		1/2		1/2
3/4	2,260.17	3/4	1,898.34	3/4	1,536.52	3/4	1,174.70	3/4	813.78	3/4	452.10	3/4	90.57	3/4	3/4		3/4		3/4
8	2,252.64	8	1,890.81	8	1,528.99	8	1,167.16	8	806.26	8	444.57	8	83.22	8	8		8		8
1/4	2,245.10	1/4	1,883.27	1/4	1,521.45	1/4	1,159.62	1/4	798.75	1/4	437.03	1/4	75.88	1/4	1/4		1/4		1/4
1/2	2,237.56	1/2	1,875.73	1/2	1,513.91	1/2	1,152.08	1/2	791.23	1/2	429.49	1/2	68.53	1/2	1/2		1/2		1/2
3/4	2,230.02	3/4	1,868.19	3/4	1,506.37	3/4	1,144.54	3/4	783.71	3/4	421.95	3/4	62.39	3/4	3/4		3/4		3/4
9	2,222.48	9	1,860.66	9	1,498.84	9	1,137.01	9	776.20	9	414.42	9	56.25	9	9		9		9
1/4	2,214.94	1/4	1,853.12	1/4	1,491.30	1/4	1,129.47	1/4	768.68	1/4	406.88	1/4	50.10	1/4	1/4		1/4		1/4
1/2	2,207.40	1/2	1,845.58	1/2	1,483.76	1/2	1,121.93	1/2	761.16	1/2	399.34	1/2	43.96	1/2	1/2		1/2		1/2
3/4	2,199.86	3/4	1,838.04	3/4	1,476.22	3/4	1,114.42	3/4	753.62	3/4	391.80	3/4	39.19	3/4	3/4		3/4		3/4
10	2,192.33	10	1,830.51	10	1,468.68	10	1,106.90	10	746.09	10	384.27	10	34.42	10	10		10		10
1/4	2,184.79	1/4	1,822.97	1/4	1,461.14	1/4	1,099.39	1/4	738.55	1/4	376.73	1/4	29.64	1/4	1/4		1/4		1/4
1/2	2,177.25	1/2	1,815.43	1/2	1,453.60	1/2	1,091.87	1/2	731.01	1/2	369.19	1/2	24.87	1/2	1/2		1/2		1/2
3/4	2,169.71	3/4	1,807.89	3/4	1,446.06	3/4	1,084.35	3/4	723.47	3/4	361.65	3/4		3/4	3/4		3/4		3/4
11	2,162.18	11	1,800.36	11	1,438.53	11	1,076.84	11	715.94	11	354.12	11		11	11		11		11
1/4	2,154.64	1/4	1,792.82	1/4	1,430.99	1/4	1,069.32	1/4	708.40	1/4	346.58	1/4		1/4	1/4		1/4		1/4
1/2	2,147.10	1/2	1,785.28	1/2	1,423.45	1/2	1,061.80	1/2	700.86	1/2	339.04	1/2		1/2	1/2		1/2		1/2
3/4	2,139.56	3/4	1,777.74	3/4	1,415.91	3/4	1,054.29	3/4	693.32	3/4	331.50	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2000 INSP.
RECALCULATED: 08/09/2019
REPRINTED: 08/12/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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



BARGE "MMI 3020"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10"

0 FT.				1 FT.				2 FT.				3 FT.				4 FT.				5 FT.				6 FT.				7 FT.				8 FT.				9 FT.											
IN				IN				IN				IN				IN				IN				IN				IN				IN				IN				IN							
0				0				0				0				0				0				0				0				0				0				0							
1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4							
1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2							
3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4							
1				1				1				1				1				1				1				1				1				1				1				1			
1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4							
1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2							
3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4							
2				2				2				2				2				2				2				2				2				2				2				2			
1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4							
1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2							
3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4							
3				3				3				3				3				3				3				3				3				3				3				3			
1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4							
1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2							
3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4							
4				4				4				4				4				4				4				4				4				4				4				4			
1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4							
1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2							
3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4							
5				5				5				5				5				5				5				5				5				5				5				5			
1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4							
1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2							
3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4							
6				6				6				6				6				6				6				6				6				6				6				6			
1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4							
1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2							
3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4							
7				7				7				7				7				7				7				7				7				7				7				7			
1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4							
1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2							
3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4							
8				8				8				8				8				8				8				8				8				8				8				8			
1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4							
1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2							
3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4							
9				9				9				9				9				9				9				9				9				9				9				9			
1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4							
1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2							
3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4							
10				10				10				10				10				10				10				10				10				10				10				10			
1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4							
1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2							
3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4				3/4							
11				11				11				11				11				11				11				11				11				11				11				11			
1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4				1/4							
1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2				1/2							
3/4				3/4				3/4				3/4				3/4				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.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 45'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MMI 3020"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,566.67	0	2,194.28	0	1,821.90	0	1,449.52	0	1,077.35	0	705.80	0	333.42	0		0		0	
1/4	2,558.91	1/4	2,186.52	1/4	1,814.14	1/4	1,441.76	1/4	1,069.61	1/4	698.04	1/4	325.66	1/4	1/4	1/4		1/4	
1/2	2,551.15	1/2	2,178.76	1/2	1,806.38	1/2	1,434.00	1/2	1,061.88	1/2	690.28	1/2	317.90	1/2	1/2	1/2		1/2	
3/4	2,543.40	3/4	2,171.01	3/4	1,798.63	3/4	1,426.24	3/4	1,054.14	3/4	682.53	3/4	310.15	3/4	3/4	3/4		3/4	
1	2,535.64	1	2,163.25	1	1,790.87	1	1,418.48	1	1,046.41	1	674.77	1	302.39	1	1	1		1	
1/4	2,527.88	1/4	2,155.49	1/4	1,783.11	1/4	1,410.72	1/4	1,038.67	1/4	667.01	1/4	294.63	1/4	1/4	1/4		1/4	
1/2	2,520.12	1/2	2,147.73	1/2	1,775.35	1/2	1,402.96	1/2	1,030.93	1/2	659.25	1/2	286.87	1/2	1/2	1/2		1/2	
3/4	2,512.36	3/4	2,139.98	3/4	1,767.60	3/4	1,395.21	3/4	1,023.20	3/4	651.50	3/4	279.12	3/4	3/4	3/4		3/4	
2	2,504.60	2	2,132.22	2	1,759.84	2	1,387.45	2	1,015.46	2	643.74	2	271.36	2	2	2		2	
1/4	2,496.84	1/4	2,124.46	1/4	1,752.08	1/4	1,379.69	1/4	1,007.72	1/4	635.98	1/4	263.60	1/4	1/4	1/4		1/4	
1/2	2,489.08	1/2	2,116.70	1/2	1,744.32	1/2	1,371.93	1/2	999.99	1/2	628.22	1/2	255.84	1/2	1/2	1/2		1/2	
3/4	2,481.33	3/4	2,108.95	3/4	1,736.56	3/4	1,364.18	3/4	992.25	3/4	620.47	3/4	248.08	3/4	3/4	3/4		3/4	
3	2,473.57	3	2,101.19	3	1,728.80	3	1,356.42	3	984.52	3	612.71	3	240.32	3	3	3		3	
1/4	2,465.81	1/4	2,093.43	1/4	1,721.04	1/4	1,348.66	1/4	976.78	1/4	604.95	1/4	232.56	1/4	1/4	1/4		1/4	
1/2	2,458.05	1/2	2,085.67	1/2	1,713.28	1/2	1,340.90	1/2	969.05	1/2	597.19	1/2	224.80	1/2	1/2	1/2		1/2	
3/4	2,450.30	3/4	2,077.92	3/4	1,705.53	3/4	1,333.15	3/4	961.31	3/4	589.44	3/4	217.05	3/4	3/4	3/4		3/4	
4	2,442.54	4	2,070.16	4	1,697.77	4	1,325.39	4	953.58	4	581.68	4	209.29	4	4	4		4	
1/4	2,434.78	1/4	2,062.40	1/4	1,690.01	1/4	1,317.63	1/4	945.84	1/4	573.92	1/4	201.53	1/4	1/4	1/4		1/4	
1/2	2,427.02	1/2	2,054.64	1/2	1,682.25	1/2	1,309.87	1/2	938.10	1/2	566.16	1/2	193.77	1/2	1/2	1/2		1/2	
3/4	2,419.27	3/4	2,046.88	3/4	1,674.50	3/4	1,302.12	3/4	930.37	3/4	558.40	3/4	186.02	3/4	3/4	3/4		3/4	
5	2,411.51	5	2,039.12	5	1,666.74	5	1,294.36	5	922.63	5	550.64	5	178.26	5	5	5		5	
1/4	2,403.75	1/4	2,031.36	1/4	1,658.98	1/4	1,286.60	1/4	914.89	1/4	542.88	1/4	170.50	1/4	1/4	1/4		1/4	
1/2	2,395.99	1/2	2,023.60	1/2	1,651.22	1/2	1,278.84	1/2	907.16	1/2	535.12	1/2	162.74	1/2	1/2	1/2		1/2	
3/4	2,388.24	3/4	2,015.85	3/4	1,643.47	3/4	1,271.08	3/4	899.42	3/4	527.37	3/4	154.99	3/4	3/4	3/4		3/4	
6	2,380.48	6	2,008.09	6	1,635.71	6	1,263.32	6	891.69	6	519.61	6	147.23	6	6	6		6	
1/4	2,372.72	1/4	2,000.33	1/4	1,627.95	1/4	1,255.56	1/4	883.95	1/4	511.85	1/4	139.48	1/4	1/4	1/4		1/4	
1/2	2,364.96	1/2	1,992.57	1/2	1,620.19	1/2	1,247.80	1/2	876.21	1/2	504.09	1/2	131.73	1/2	1/2	1/2		1/2	
3/4	2,357.20	3/4	1,984.82	3/4	1,612.44	3/4	1,240.05	3/4	868.48	3/4	496.34	3/4	123.99	3/4	3/4	3/4		3/4	
7	2,349.44	7	1,977.06	7	1,604.68	7	1,232.29	7	860.74	7	488.58	7	116.24	7	7	7		7	
1/4	2,341.68	1/4	1,969.30	1/4	1,596.92	1/4	1,224.53	1/4	853.00	1/4	480.82	1/4	108.50	1/4	1/4	1/4		1/4	
1/2	2,333.92	1/2	1,961.54	1/2	1,589.16	1/2	1,216.77	1/2	845.27	1/2	473.06	1/2	100.77	1/2	1/2	1/2		1/2	
3/4	2,326.17	3/4	1,953.79	3/4	1,581.40	3/4	1,209.02	3/4	837.53	3/4	465.31	3/4	93.03	3/4	3/4	3/4		3/4	
8	2,318.41	8	1,946.03	8	1,573.64	8	1,201.26	8	829.80	8	457.55	8	85.30	8	8	8		8	
1/4	2,310.65	1/4	1,938.27	1/4	1,565.88	1/4	1,193.50	1/4	822.06	1/4	449.79	1/4	78.44	1/4	1/4	1/4		1/4	
1/2	2,302.89	1/2	1,930.51	1/2	1,558.12	1/2	1,185.74	1/2	814.33	1/2	442.03	1/2	71.59	1/2	1/2	1/2		1/2	
3/4	2,295.14	3/4	1,922.76	3/4	1,550.37	3/4	1,177.99	3/4	806.59	3/4	434.28	3/4	64.73	3/4	3/4	3/4		3/4	
9	2,287.38	9	1,915.00	9	1,542.61	9	1,170.23	9	798.86	9	426.52	9	57.88	9	9	9		9	
1/4	2,279.62	1/4	1,907.24	1/4	1,534.85	1/4	1,162.48	1/4	791.11	1/4	418.76	1/4	52.26	1/4	1/4	1/4		1/4	
1/2	2,271.86	1/2	1,899.48	1/2	1,527.09	1/2	1,154.73	1/2	783.36	1/2	411.00	1/2	46.64	1/2	1/2	1/2		1/2	
3/4	2,264.11	3/4	1,891.72	3/4	1,519.34	3/4	1,146.99	3/4	775.62	3/4	403.24	3/4	41.03	3/4	3/4	3/4		3/4	
10	2,256.35	10	1,883.96	10	1,511.58	10	1,139.24	10	767.87	10	395.48	10	35.41	10	10	10		10	
1/4	2,248.59	1/4	1,876.20	1/4	1,503.82	1/4	1,131.50	1/4	760.11	1/4	387.72	1/4		1/4	1/4	1/4		1/4	
1/2	2,240.83	1/2	1,868.44	1/2	1,496.06	1/2	1,123.77	1/2	752.35	1/2	379.96	1/2		1/2	1/2	1/2		1/2	
3/4	2,233.08	3/4	1,860.69	3/4	1,488.31	3/4	1,116.03	3/4	744.60	3/4	372.21	3/4		3/4	3/4	3/4		3/4	
11	2,225.32	11	1,852.93	11	1,480.55	11	1,108.30	11	736.84	11	364.45	11		11	11	11		11	
1/4	2,217.56	1/4	1,845.17	1/4	1,472.79	1/4	1,100.56	1/4	729.08	1/4	356.69	1/4		1/4	1/4	1/4		1/4	
1/2	2,209.80	1/2	1,837.41	1/2	1,465.03	1/2	1,092.82	1/2	721.32	1/2	348.93	1/2		1/2	1/2	1/2		1/2	
3/4	2,202.04	3/4	1,829.66	3/4	1,457.28	3/4	1,085.09	3/4	713.56	3/4	341.18	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2000 INSP.
RECALCULATED: 08/09/2019
REPRINTED: 08/12/2019

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ALL PRIOR TO 08/2019

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BARGE "MMI 3020"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10"

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.					
IN			IN			IN			IN			IN			IN			IN			IN			IN			IN			IN		
0			0			0			0	4,821.04		0	4,546.72		0	4,262.80		0	3,977.87		0	3,683.01		0	3,311.44		0	3,311.44		0	2,939.05	
1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,815.44	1/4	1/4	4,540.88	1/4	1/4	4,256.86	1/4	1/4	3,971.93	1/4	1/4	3,675.45	1/4	1/4	3,303.68	1/4	1/4	2,931.29				
1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,809.85	1/2	1/2	4,535.04	1/2	1/2	4,250.93	1/2	1/2	3,966.00	1/2	1/2	3,667.90	1/2	1/2	3,295.92	1/2	1/2	2,923.53				
3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,804.25	3/4	3/4	4,529.19	3/4	3/4	4,244.99	3/4	3/4	3,960.06	3/4	3/4	3,660.34	3/4	3/4	3,288.16	3/4	3/4	2,915.78				
1		1	1		1	1		1	1	4,798.65	1	1	4,523.35	1	1	4,239.06	1	1	3,954.13	1	1	3,652.79	1	1	3,280.40	1	1	2,908.02				
1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,793.04	1/4	1/4	4,517.49	1/4	1/4	4,233.12	1/4	1/4	3,948.19	1/4	1/4	3,645.03	1/4	1/4	3,272.64	1/4	1/4	2,900.26				
1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,787.43	1/2	1/2	4,511.63	1/2	1/2	4,227.18	1/2	1/2	3,942.25	1/2	1/2	3,637.27	1/2	1/2	3,264.88	1/2	1/2	2,892.50				
3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,781.82	3/4	3/4	4,505.77	3/4	3/4	4,221.25	3/4	3/4	3,936.32	3/4	3/4	3,629.52	3/4	3/4	3,257.13	3/4	3/4	2,884.75				
2		2	2		2	2		2	2	4,776.21	2	2	4,499.91	2	2	4,215.31	2	2	3,930.38	2	2	3,621.76	2	2	3,249.37	2	2	2,876.99				
1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,770.55	1/4	1/4	4,494.01	1/4	1/4	4,209.37	1/4	1/4	3,924.44	1/4	1/4	3,614.00	1/4	1/4	3,241.61	1/4	1/4	2,869.23				
1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,764.89	1/2	1/2	4,488.10	1/2	1/2	4,203.44	1/2	1/2	3,918.51	1/2	1/2	3,606.24	1/2	1/2	3,233.85	1/2	1/2	2,861.47				
3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,759.23	3/4	3/4	4,482.20	3/4	3/4	4,197.50	3/4	3/4	3,912.57	3/4	3/4	3,598.48	3/4	3/4	3,226.10	3/4	3/4	2,853.72				
3		3	3		3	3		3	3	4,753.57	3	3	4,476.29	3	3	4,191.57	3	3	3,906.64	3	3	3,590.72	3	3	3,218.34	3	3	2,845.96				
1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,747.91	1/4	1/4	4,470.38	1/4	1/4	4,185.63	1/4	1/4	3,900.70	1/4	1/4	3,582.96	1/4	1/4	3,210.58	1/4	1/4	2,838.20				
1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,742.26	1/2	1/2	4,464.48	1/2	1/2	4,179.69	1/2	1/2	3,894.77	1/2	1/2	3,575.20	1/2	1/2	3,202.82	1/2	1/2	2,830.44				
3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,736.60	3/4	3/4	4,458.57	3/4	3/4	4,173.76	3/4	3/4	3,888.83	3/4	3/4	3,567.45	3/4	3/4	3,195.07	3/4	3/4	2,822.68				
4		4	4		4	4		4	4	4,730.94	4	4	4,452.66	4	4	4,167.82	4	4	3,882.90	4	4	3,559.69	4	4	3,187.31	4	4	2,814.92				
1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,725.27	1/4	1/4	4,446.76	1/4	1/4	4,161.88	1/4	1/4	3,876.96	1/4	1/4	3,551.93	1/4	1/4	3,179.55	1/4	1/4	2,807.16				
1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,719.60	1/2	1/2	4,440.85	1/2	1/2	4,155.95	1/2	1/2	3,871.02	1/2	1/2	3,544.17	1/2	1/2	3,171.79	1/2	1/2	2,799.40				
3/4		3/4	3/4		3/4	3/4	4,916.19	3/4	3/4	4,713.92	3/4	3/4	4,434.95	3/4	3/4	4,150.01	3/4	3/4	3,865.09	3/4	3/4	3,536.42	3/4	3/4	3,164.04	3/4	3/4	2,791.65				
5		5	5		5	5	4,916.15	5	5	4,708.25	5	5	4,429.04	5	5	4,144.08	5	5	3,859.15	5	5	3,528.66	5	5	3,156.28	5	5	2,783.89				
1/4		1/4	1/4		1/4	1/4	4,915.69	1/4	1/4	4,702.53	1/4	1/4	4,423.10	1/4	1/4	4,138.14	1/4	1/4	3,853.21	1/4	1/4	3,520.90	1/4	1/4	3,148.52	1/4	1/4	2,776.13				
1/2		1/2	1/2		1/2	1/2	4,915.22	1/2	1/2	4,696.81	1/2	1/2	4,417.15	1/2	1/2	4,132.21	1/2	1/2	3,847.28	1/2	1/2	3,513.14	1/2	1/2	3,140.76	1/2	1/2	2,768.37				
3/4		3/4	3/4		3/4	3/4	4,914.76	3/4	3/4	4,691.09	3/4	3/4	4,411.21	3/4	3/4	4,126.27	3/4	3/4	3,841.34	3/4	3/4	3,505.39	3/4	3/4	3,133.00	3/4	3/4	2,760.62				
6		6	6		6	6	4,914.29	6	6	4,685.37	6	6	4,405.26	6	6	4,120.34	6	6	3,835.41	6	6	3,497.63	6	6	3,125.24	6	6	2,752.86				
1/4		1/4	1/4		1/4	1/4	4,912.87	1/4	1/4	4,679.65	1/4	1/4	4,399.33	1/4	1/4	4,114.40	1/4	1/4	3,829.47	1/4	1/4	3,489.87	1/4	1/4	3,117.48	1/4	1/4	2,745.10				
1/2		1/2	1/2		1/2	1/2	4,911.45	1/2	1/2	4,673.93	1/2	1/2	4,393.39	1/2	1/2	4,108.46	1/2	1/2	3,823.53	1/2	1/2	3,482.11	1/2	1/2	3,109.72	1/2	1/2	2,737.34				
3/4		3/4	3/4		3/4	3/4	4,910.03	3/4	3/4	4,668.21	3/4	3/4	4,387.46	3/4	3/4	4,102.53	3/4	3/4	3,817.60	3/4	3/4	3,474.36	3/4	3/4	3,101.97	3/4	3/4	2,729.59				
7		7	7		7	7	4,908.61	7	7	4,662.49	7	7	4,381.52	7	7	4,096.59	7	7	3,811.66	7	7	3,466.60	7	7	3,094.21	7	7	2,721.83				
1/4		1/4	1/4		1/4	1/4	4,906.10	1/4	1/4	4,656.76	1/4	1/4	4,375.59	1/4	1/4	4,090.65	1/4	1/4	3,805.72	1/4	1/4	3,458.84	1/4	1/4	3,086.45	1/4	1/4	2,714.07				
1/2		1/2	1/2		1/2	1/2	4,903.58	1/2	1/2	4,651.02	1/2	1/2	4,369.65	1/2	1/2	4,084.72	1/2	1/2	3,799.79	1/2	1/2	3,451.08	1/2	1/2	3,078.69	1/2	1/2	2,706.31				
3/4		3/4	3/4		3/4	3/4	4,901.07	3/4	3/4	4,645.29	3/4	3/4	4,363.72	3/4	3/4	4,078.78	3/4	3/4	3,793.85	3/4	3/4	3,443.32	3/4	3/4	3,070.94	3/4	3/4	2,698.56				
8		8	8		8	8	4,898.55	8	8	4,639.55	8	8	4,357.78	8	8	4,072.85	8	8	3,787.92	8	8	3,435.56	8	8	3,063.18	8	8	2,690.80				
1/4		1/4	1/4		1/4	1/4	4,894.91	1/4	1/4	4,633.77	1/4	1/4	4,351.84	1/4	1/4	4,066.91	1/4	1/4	3,781.93	1/4	1/4	3,427.80	1/4	1/4	3,053.42	1/4	1/4	2,683.04				
1/2		1/2	1/2		1/2	1/2	4,891.26	1/2	1/2	4,627.99	1/2	1/2	4,345.91	1/2	1/2	4,060.97	1/2	1/2	3,775.94	1/2	1/2	3,420.04	1/2	1/2	3,047.66	1/2	1/2	2,675.28				
3/4		3/4	3/4		3/4	3/4	4,887.62	3/4	3/4	4,622.20	3/4	3/4	4,339.97	3/4	3/4	4,055.04	3/4	3/4	3,769.96	3/4	3/4	3,412.29	3/4	3/4	3,039.91	3/4	3/4	2,667.52				
9		9	9		9	9	4,883.97	9	9	4,616.42	9	9	4,334.03	9	9	4,049.10	9	9	3,763.97	9	9	3,404.53	9	9	3,032.15	9	9	2,659.76				
1/4		1/4	1/4		1/4	1/4	4,879.25	1/4	1/4	4,610.64	1/4	1/4	4,328.10	1/4	1/4	4,043.16	1/4	1/4	3,757.63	1/4	1/4	3,396.77	1/4	1/4	3,024.39	1/4	1/4	2,652.00				
1/2		1/2	1/2		1/2	1/2	4,874.53	1/2	1/2	4,604.86	1/2	1/2	4,322.16	1/2	1/2	4,037.23	1/2	1/2	3,751.28	1/2	1/2	3,389.01	1/2	1/2	3,016.63	1/2	1/2	2,644.24				
3/4		3/4	3/4		3/4	3/4	4,869.80	3/4	3/4	4,599.07	3/4	3/4	4,316.23	3/4	3/4	4,031.29	3/4	3/4	3,744.94	3/4	3/4	3,381.26	3/4	3/4	3,008.88	3/4	3/4	2,636.49				
10		10	10		10	10	4,865.08	10	10	4,593.29	10	10	4,310.29	10	10	4,025.36	10	10	3,738.60	10	10	3,373.50	10	10	3,001.12	10	10	2,628.73				
1/4		1/4	1/4		1/4	1/4	4,859.67	1/4	1/4	4,587.49	1/4	1/4	4,304.35	1/4	1/4	4,019.42	1/4	1/4	3,731.85	1/4	1/4	3,365.74	1/4	1/4	2,993.36	1/4	1/4	2,620.97				
1/2		1/2	1/2		1/2	1/2	4,854.25	1/2	1/2	4,581.70	1/2	1/2	4,298.42	1/2	1/2	4,013.49	1/2	1/2	3,725.11	1/2	1/2	3,357.98	1/2	1/2	2,985.60	1/2	1/2	2,613.21				
3/4		3/4	3/4		3/4	3/4	4,848.84	3/4	3/4	4,575.90	3/4	3/4	4,292.48	3/4																		



BARGE "MMI 3020"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,566.67	0	2,194.28	0	1,821.90	0	1,449.52	0	1,077.35	0	705.80	0	333.42	0		0		0	
1/4	2,558.91	1/4	2,186.52	1/4	1,814.14	1/4	1,441.76	1/4	1,069.61	1/4	698.04	1/4	325.66	1/4		1/4		1/4	
1/2	2,551.15	1/2	2,178.76	1/2	1,806.38	1/2	1,434.00	1/2	1,061.88	1/2	690.28	1/2	317.90	1/2		1/2		1/2	
3/4	2,543.40	3/4	2,171.01	3/4	1,798.63	3/4	1,426.24	3/4	1,054.14	3/4	682.53	3/4	310.15	3/4		3/4		3/4	
1	2,535.64	1	2,163.25	1	1,790.87	1	1,418.48	1	1,046.41	1	674.77	1	302.39	1		1		1	
1/4	2,527.88	1/4	2,155.49	1/4	1,783.11	1/4	1,410.72	1/4	1,038.67	1/4	667.01	1/4	294.63	1/4		1/4		1/4	
1/2	2,520.12	1/2	2,147.73	1/2	1,775.35	1/2	1,402.96	1/2	1,030.93	1/2	659.25	1/2	286.87	1/2		1/2		1/2	
3/4	2,512.36	3/4	2,139.98	3/4	1,767.60	3/4	1,395.21	3/4	1,023.20	3/4	651.50	3/4	279.12	3/4		3/4		3/4	
2	2,504.60	2	2,132.22	2	1,759.84	2	1,387.45	2	1,015.46	2	643.74	2	271.36	2		2		2	
1/4	2,496.84	1/4	2,124.46	1/4	1,752.08	1/4	1,379.69	1/4	1,007.72	1/4	635.98	1/4	263.60	1/4		1/4		1/4	
1/2	2,489.08	1/2	2,116.70	1/2	1,744.32	1/2	1,371.93	1/2	999.99	1/2	628.22	1/2	255.84	1/2		1/2		1/2	
3/4	2,481.33	3/4	2,108.95	3/4	1,736.56	3/4	1,364.18	3/4	992.25	3/4	620.47	3/4	248.08	3/4		3/4		3/4	
3	2,473.57	3	2,101.19	3	1,728.80	3	1,356.42	3	984.52	3	612.71	3	240.32	3		3		3	
1/4	2,465.81	1/4	2,093.43	1/4	1,721.04	1/4	1,348.66	1/4	976.78	1/4	604.95	1/4	232.56	1/4		1/4		1/4	
1/2	2,458.05	1/2	2,085.67	1/2	1,713.28	1/2	1,340.90	1/2	969.05	1/2	597.19	1/2	224.80	1/2		1/2		1/2	
3/4	2,450.30	3/4	2,077.92	3/4	1,705.53	3/4	1,333.15	3/4	961.31	3/4	589.44	3/4	217.05	3/4		3/4		3/4	
4	2,442.54	4	2,070.16	4	1,697.77	4	1,325.39	4	953.58	4	581.68	4	209.29	4		4		4	
1/4	2,434.78	1/4	2,062.40	1/4	1,690.01	1/4	1,317.63	1/4	945.84	1/4	573.92	1/4	201.53	1/4		1/4		1/4	
1/2	2,427.02	1/2	2,054.64	1/2	1,682.25	1/2	1,309.87	1/2	938.10	1/2	566.16	1/2	193.77	1/2		1/2		1/2	
3/4	2,419.27	3/4	2,046.88	3/4	1,674.50	3/4	1,302.12	3/4	930.37	3/4	558.40	3/4	186.02	3/4		3/4		3/4	
5	2,411.51	5	2,039.12	5	1,666.74	5	1,294.36	5	922.63	5	550.64	5	178.26	5		5		5	
1/4	2,403.75	1/4	2,031.36	1/4	1,658.98	1/4	1,286.60	1/4	914.89	1/4	542.88	1/4	170.50	1/4		1/4		1/4	
1/2	2,395.99	1/2	2,023.60	1/2	1,651.22	1/2	1,278.84	1/2	907.16	1/2	535.12	1/2	162.74	1/2		1/2		1/2	
3/4	2,388.24	3/4	2,015.85	3/4	1,643.47	3/4	1,271.08	3/4	899.42	3/4	527.37	3/4	154.99	3/4		3/4		3/4	
6	2,380.48	6	2,008.09	6	1,635.71	6	1,263.32	6	891.69	6	519.61	6	147.23	6		6		6	
1/4	2,372.72	1/4	2,000.33	1/4	1,627.95	1/4	1,255.56	1/4	883.95	1/4	511.85	1/4	139.48	1/4		1/4		1/4	
1/2	2,364.96	1/2	1,992.57	1/2	1,620.19	1/2	1,247.80	1/2	876.21	1/2	504.09	1/2	131.73	1/2		1/2		1/2	
3/4	2,357.20	3/4	1,984.82	3/4	1,612.44	3/4	1,240.05	3/4	868.48	3/4	496.34	3/4	123.99	3/4		3/4		3/4	
7	2,349.44	7	1,977.06	7	1,604.68	7	1,232.29	7	860.74	7	488.58	7	116.24	7		7		7	
1/4	2,341.68	1/4	1,969.30	1/4	1,596.92	1/4	1,224.53	1/4	853.00	1/4	480.82	1/4	108.50	1/4		1/4		1/4	
1/2	2,333.92	1/2	1,961.54	1/2	1,589.16	1/2	1,216.77	1/2	845.27	1/2	473.06	1/2	100.77	1/2		1/2		1/2	
3/4	2,326.17	3/4	1,953.79	3/4	1,581.40	3/4	1,209.02	3/4	837.53	3/4	465.31	3/4	93.03	3/4		3/4		3/4	
8	2,318.41	8	1,946.03	8	1,573.64	8	1,201.26	8	829.80	8	457.55	8	85.30	8		8		8	
1/4	2,310.65	1/4	1,938.27	1/4	1,565.88	1/4	1,193.50	1/4	822.06	1/4	449.79	1/4	78.44	1/4		1/4		1/4	
1/2	2,302.89	1/2	1,930.51	1/2	1,558.12	1/2	1,185.74	1/2	814.33	1/2	442.03	1/2	71.59	1/2		1/2		1/2	
3/4	2,295.14	3/4	1,922.76	3/4	1,550.37	3/4	1,177.99	3/4	806.59	3/4	434.28	3/4	64.73	3/4		3/4		3/4	
9	2,287.38	9	1,915.00	9	1,542.61	9	1,170.23	9	798.86	9	426.52	9	57.88	9		9		9	
1/4	2,279.62	1/4	1,907.24	1/4	1,534.85	1/4	1,162.48	1/4	791.11	1/4	418.76	1/4	52.26	1/4		1/4		1/4	
1/2	2,271.86	1/2	1,899.48	1/2	1,527.09	1/2	1,154.73	1/2	783.36	1/2	411.00	1/2	46.64	1/2		1/2		1/2	
3/4	2,264.11	3/4	1,891.72	3/4	1,519.34	3/4	1,146.99	3/4	775.62	3/4	403.24	3/4	41.03	3/4		3/4		3/4	
10	2,256.35	10	1,883.96	10	1,511.58	10	1,139.24	10	767.87	10	395.48	10	35.41	10		10		10	
1/4	2,248.59	1/4	1,876.20	1/4	1,503.82	1/4	1,131.50	1/4	760.11	1/4	387.72	1/4		1/4		1/4		1/4	
1/2	2,240.83	1/2	1,868.44	1/2	1,496.06	1/2	1,123.77	1/2	752.35	1/2	379.96	1/2		1/2		1/2		1/2	
3/4	2,233.08	3/4	1,860.69	3/4	1,488.31	3/4	1,116.03	3/4	744.60	3/4	372.21	3/4		3/4		3/4		3/4	
11	2,225.32	11	1,852.93	11	1,480.55	11	1,108.30	11	736.84	11	364.45	11		11		11		11	
1/4	2,217.56	1/4	1,845.17	1/4	1,472.79	1/4	1,100.56	1/4	729.08	1/4	356.69	1/4		1/4		1/4		1/4	
1/2	2,209.80	1/2	1,837.41	1/2	1,465.03	1/2	1,092.82	1/2	721.32	1/2	348.93	1/2		1/2		1/2		1/2	
3/4	2,202.04	3/4	1,829.66	3/4	1,457.28	3/4	1,085.09	3/4	713.56	3/4	341.18	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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