



BARGE "MMI 3052"

ULLAGE TRIM TABLE HERMETIC

	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	00-0/8	- 00-0/8	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
1 STBD	00-0/8	- 00-0/8	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
2 PORT	00-0/8	- 00-0/8	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
2 STBD	00-0/8	- 00-0/8	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
3 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-2/8	00-2/8	- 00-3/8	00-3/8	- 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	- 00-2/8	00-2/8	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
4 PORT	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8
4 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 4 PORT IS - 00-7/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 4 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/8"

July 6, 2021

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MMI 3052"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	1,450.39	0	1,196.95	0	943.50	0	689.77	0	434.60	0	180.51	0		0		0		0	
1/4	1,445.11	1/4	1,191.67	1/4	938.22	1/4	684.45	1/4	429.28	1/4	175.37	1/4		1/4		1/4		1/4	
1/2	1,439.83	1/2	1,186.39	1/2	932.94	1/2	679.13	1/2	423.96	1/2	170.24	1/2		1/2		1/2		1/2	
3/4	1,434.55	3/4	1,181.11	3/4	927.65	3/4	673.81	3/4	418.64	3/4	165.10	3/4		3/4		3/4		3/4	
1	1,429.27	1	1,175.83	1	922.37	1	668.50	1	413.33	1	159.97	1		1		1		1	
1/4	1,423.99	1/4	1,170.55	1/4	917.09	1/4	663.18	1/4	408.01	1/4	154.83	1/4		1/4		1/4		1/4	
1/2	1,418.71	1/2	1,165.27	1/2	911.81	1/2	657.87	1/2	402.70	1/2	149.69	1/2		1/2		1/2		1/2	
3/4	1,413.43	3/4	1,159.99	3/4	906.53	3/4	652.55	3/4	397.38	3/4	144.55	3/4		3/4		3/4		3/4	
2	1,408.15	2	1,154.71	2	901.25	2	647.24	2	392.07	2	139.42	2		2		2		2	
1/4	1,402.87	1/4	1,149.43	1/4	895.97	1/4	641.92	1/4	386.75	1/4	134.28	1/4		1/4		1/4		1/4	
1/2	1,397.59	1/2	1,144.15	1/2	890.69	1/2	636.60	1/2	381.44	1/2	129.15	1/2		1/2		1/2		1/2	
3/4	1,392.31	3/4	1,138.87	3/4	885.40	3/4	631.28	3/4	376.12	3/4	124.01	3/4		3/4		3/4		3/4	
3	1,387.03	3	1,133.59	3	880.12	3	625.97	3	370.81	3	118.88	3		3		3		3	
1/4	1,381.75	1/4	1,128.31	1/4	874.84	1/4	620.65	1/4	365.49	1/4	113.74	1/4		1/4		1/4		1/4	
1/2	1,376.47	1/2	1,123.03	1/2	869.56	1/2	615.34	1/2	360.17	1/2	108.60	1/2		1/2		1/2		1/2	
3/4	1,371.19	3/4	1,117.75	3/4	864.27	3/4	610.02	3/4	354.85	3/4	103.46	3/4		3/4		3/4		3/4	
4	1,365.91	4	1,112.47	4	858.99	4	604.71	4	349.54	4	98.28	4		4		4		4	
1/4	1,360.63	1/4	1,107.19	1/4	853.71	1/4	599.39	1/4	344.22	1/4	93.10	1/4		1/4		1/4		1/4	
1/2	1,355.35	1/2	1,101.91	1/2	848.43	1/2	594.08	1/2	338.91	1/2	87.92	1/2		1/2		1/2		1/2	
3/4	1,350.07	3/4	1,096.63	3/4	843.14	3/4	588.76	3/4	333.59	3/4	82.74	3/4		3/4		3/4		3/4	
5	1,344.79	5	1,091.35	5	837.86	5	583.45	5	328.28	5	77.43	5		5		5		5	
1/4	1,339.51	1/4	1,086.07	1/4	832.58	1/4	578.13	1/4	322.96	1/4	72.11	1/4		1/4		1/4		1/4	
1/2	1,334.23	1/2	1,080.79	1/2	827.30	1/2	572.81	1/2	317.64	1/2	66.80	1/2		1/2		1/2		1/2	
3/4	1,328.95	3/4	1,075.51	3/4	822.01	3/4	567.49	3/4	312.32	3/4	61.48	3/4		3/4		3/4		3/4	
6	1,323.67	6	1,070.23	6	816.73	6	562.18	6	307.01	6	56.17	6		6		6		6	
1/4	1,318.39	1/4	1,064.95	1/4	811.45	1/4	556.86	1/4	301.69	1/4	50.85	1/4		1/4		1/4		1/4	
1/2	1,313.11	1/2	1,059.67	1/2	806.17	1/2	551.55	1/2	296.38	1/2	45.53	1/2		1/2		1/2		1/2	
3/4	1,307.83	3/4	1,054.39	3/4	800.89	3/4	546.23	3/4	291.06	3/4	40.21	3/4		3/4		3/4		3/4	
7	1,302.55	7	1,049.11	7	795.61	7	540.92	7	285.75	7	35.74	7		7		7		7	
1/4	1,297.27	1/4	1,043.83	1/4	790.33	1/4	535.60	1/4	280.43	1/4	31.27	1/4		1/4		1/4		1/4	
1/2	1,291.99	1/2	1,038.55	1/2	785.05	1/2	530.28	1/2	275.12	1/2	26.80	1/2		1/2		1/2		1/2	
3/4	1,286.71	3/4	1,033.27	3/4	779.76	3/4	524.96	3/4	269.80	3/4	22.32	3/4		3/4		3/4		3/4	
8	1,281.43	8	1,027.99	8	774.48	8	519.65	8	264.49	8	19.13	8		8		8		8	
1/4	1,276.15	1/4	1,022.71	1/4	769.20	1/4	514.33	1/4	259.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,270.87	1/2	1,017.43	1/2	763.92	1/2	509.02	1/2	253.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,265.59	3/4	1,012.15	3/4	758.63	3/4	503.70	3/4	248.53	3/4		3/4		3/4		3/4		3/4	
9	1,260.31	9	1,006.87	9	753.35	9	498.39	9	243.22	9		9		9		9		9	
1/4	1,255.03	1/4	1,001.59	1/4	748.07	1/4	493.07	1/4	237.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,249.75	1/2	996.31	1/2	742.79	1/2	487.76	1/2	232.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,244.47	3/4	991.03	3/4	737.50	3/4	482.44	3/4	227.27	3/4		3/4		3/4		3/4		3/4	
10	1,239.19	10	985.75	10	732.21	10	477.13	10	222.00	10		10		10		10		10	
1/4	1,233.91	1/4	980.47	1/4	726.92	1/4	471.81	1/4	216.73	1/4		1/4		1/4		1/4		1/4	
1/2	1,228.63	1/2	975.19	1/2	721.63	1/2	466.49	1/2	211.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,223.35	3/4	969.91	3/4	716.34	3/4	461.17	3/4	206.18	3/4		3/4		3/4		3/4		3/4	
11	1,218.07	11	964.63	11	711.03	11	455.86	11	201.05	11		11		11		11		11	
1/4	1,212.79	1/4	959.35	1/4	705.71	1/4	450.54	1/4	195.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,207.51	1/2	954.07	1/2	700.40	1/2	445.23	1/2	190.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,202.23	3/4	948.78	3/4	695.08	3/4	439.91	3/4	185.64	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2006 INSP.
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ALL PRIOR TO 07/2021

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BARGE "MMI 3052"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,434.55	0	1,181.11	0	927.65	0	673.81	0	418.64	0	165.10	0		0		0		0	
1/4	1,429.27	1/4	1,175.83	1/4	922.37	1/4	668.50	1/4	413.33	1/4	159.97	1/4		1/4		1/4		1/4	
1/2	1,423.99	1/2	1,170.55	1/2	917.09	1/2	663.18	1/2	408.01	1/2	154.83	1/2		1/2		1/2		1/2	
3/4	1,418.71	3/4	1,165.27	3/4	911.81	3/4	657.87	3/4	402.70	3/4	149.69	3/4		3/4		3/4		3/4	
1	1,413.43	1	1,159.99	1	906.53	1	652.55	1	397.38	1	144.55	1		1		1		1	
1/4	1,408.15	1/4	1,154.71	1/4	901.25	1/4	647.24	1/4	392.07	1/4	139.42	1/4		1/4		1/4		1/4	
1/2	1,402.87	1/2	1,149.43	1/2	895.97	1/2	641.92	1/2	386.75	1/2	134.28	1/2		1/2		1/2		1/2	
3/4	1,397.59	3/4	1,144.15	3/4	890.69	3/4	636.60	3/4	381.44	3/4	129.15	3/4		3/4		3/4		3/4	
2	1,392.31	2	1,138.87	2	885.40	2	631.28	2	376.12	2	124.01	2		2		2		2	
1/4	1,387.03	1/4	1,133.59	1/4	880.12	1/4	625.97	1/4	370.81	1/4	118.88	1/4		1/4		1/4		1/4	
1/2	1,381.75	1/2	1,128.31	1/2	874.84	1/2	620.65	1/2	365.49	1/2	113.74	1/2		1/2		1/2		1/2	
3/4	1,376.47	3/4	1,123.03	3/4	869.56	3/4	615.34	3/4	360.17	3/4	108.60	3/4		3/4		3/4		3/4	
3	1,371.19	3	1,117.75	3	864.27	3	610.02	3	354.85	3	103.46	3		3		3		3	
1/4	1,365.91	1/4	1,112.47	1/4	858.99	1/4	604.71	1/4	349.54	1/4	98.28	1/4		1/4		1/4		1/4	
1/2	1,360.63	1/2	1,107.19	1/2	853.71	1/2	599.39	1/2	344.22	1/2	93.10	1/2		1/2		1/2		1/2	
3/4	1,355.35	3/4	1,101.91	3/4	848.43	3/4	594.08	3/4	338.91	3/4	87.92	3/4		3/4		3/4		3/4	
4	1,350.07	4	1,096.63	4	843.14	4	588.76	4	333.59	4	82.74	4		4		4		4	
1/4	1,344.79	1/4	1,091.35	1/4	837.86	1/4	583.45	1/4	328.28	1/4	77.43	1/4		1/4		1/4		1/4	
1/2	1,339.51	1/2	1,086.07	1/2	832.58	1/2	578.13	1/2	322.96	1/2	72.11	1/2		1/2		1/2		1/2	
3/4	1,334.23	3/4	1,080.79	3/4	827.30	3/4	572.81	3/4	317.64	3/4	66.80	3/4		3/4		3/4		3/4	
5	1,328.95	5	1,075.51	5	822.01	5	567.49	5	312.32	5	61.48	5		5		5		5	
1/4	1,323.67	1/4	1,070.23	1/4	816.73	1/4	562.18	1/4	307.01	1/4	56.17	1/4		1/4		1/4		1/4	
1/2	1,318.39	1/2	1,064.95	1/2	811.45	1/2	556.86	1/2	301.69	1/2	50.85	1/2		1/2		1/2		1/2	
3/4	1,313.11	3/4	1,059.67	3/4	806.17	3/4	551.55	3/4	296.38	3/4	45.53	3/4		3/4		3/4		3/4	
6	1,307.83	6	1,054.39	6	800.89	6	546.23	6	291.06	6	40.21	6		6		6		6	
1/4	1,302.55	1/4	1,049.11	1/4	795.61	1/4	540.92	1/4	285.75	1/4	35.74	1/4		1/4		1/4		1/4	
1/2	1,297.27	1/2	1,043.83	1/2	790.33	1/2	535.60	1/2	280.43	1/2	31.27	1/2		1/2		1/2		1/2	
3/4	1,291.99	3/4	1,038.55	3/4	785.05	3/4	530.28	3/4	275.12	3/4	26.80	3/4		3/4		3/4		3/4	
7	1,286.71	7	1,033.27	7	779.76	7	524.96	7	269.80	7	22.32	7		7		7		7	
1/4	1,281.43	1/4	1,027.99	1/4	774.48	1/4	519.65	1/4	264.49	1/4	19.13	1/4		1/4		1/4		1/4	
1/2	1,276.15	1/2	1,022.71	1/2	769.20	1/2	514.33	1/2	259.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,270.87	3/4	1,017.43	3/4	763.92	3/4	509.02	3/4	253.85	3/4		3/4		3/4		3/4		3/4	
8	1,265.59	8	1,012.15	8	758.63	8	503.70	8	248.53	8		8		8		8		8	
1/4	1,260.31	1/4	1,006.87	1/4	753.35	1/4	498.39	1/4	243.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,255.03	1/2	1,001.59	1/2	748.07	1/2	493.07	1/2	237.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,249.75	3/4	996.31	3/4	742.79	3/4	487.76	3/4	232.59	3/4		3/4		3/4		3/4		3/4	
9	1,244.47	9	991.03	9	737.50	9	482.44	9	227.27	9		9		9		9		9	
1/4	1,239.19	1/4	985.75	1/4	732.21	1/4	477.13	1/4	222.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,233.91	1/2	980.47	1/2	726.92	1/2	471.81	1/2	216.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,228.63	3/4	975.19	3/4	721.63	3/4	466.49	3/4	211.46	3/4		3/4		3/4		3/4		3/4	
10	1,223.35	10	969.91	10	716.34	10	461.17	10	206.18	10		10		10		10		10	
1/4	1,218.07	1/4	964.63	1/4	711.03	1/4	455.86	1/4	201.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,212.79	1/2	959.35	1/2	705.71	1/2	450.54	1/2	195.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,207.51	3/4	954.07	3/4	700.40	3/4	445.23	3/4	190.78	3/4		3/4		3/4		3/4		3/4	
11	1,202.23	11	948.78	11	695.08	11	439.91	11	185.64	11		11		11		11		11	
1/4	1,196.95	1/4	943.50	1/4	689.77	1/4	434.60	1/4	180.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,191.67	1/2	938.22	1/2	684.45	1/2	429.28	1/2	175.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,186.39	3/4	932.94	3/4	679.13	3/4	423.96	3/4	170.24	3/4		3/4		3/4		3/4		3/4	

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2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,425.48	0	1,172.90	0	920.71	0	670.18	0	418.37	0	167.99	0		0		0		0	
1/4	1,420.22	1/4	1,167.64	1/4	915.50	1/4	664.94	1/4	413.13	1/4	162.92	1/4		1/4		1/4		1/4	
1/2	1,414.95	1/2	1,162.37	1/2	910.28	1/2	659.69	1/2	407.88	1/2	157.85	1/2		1/2		1/2		1/2	
3/4	1,409.69	3/4	1,157.11	3/4	905.07	3/4	654.44	3/4	402.64	3/4	152.78	3/4		3/4		3/4		3/4	
1	1,404.43	1	1,151.85	1	899.85	1	649.19	1	397.39	1	147.71	1		1		1		1	
1/4	1,399.17	1/4	1,146.59	1/4	894.64	1/4	643.95	1/4	392.15	1/4	142.65	1/4		1/4		1/4		1/4	
1/2	1,393.90	1/2	1,141.33	1/2	889.42	1/2	638.70	1/2	386.90	1/2	137.58	1/2		1/2		1/2		1/2	
3/4	1,388.64	3/4	1,136.07	3/4	884.21	3/4	633.46	3/4	381.65	3/4	132.51	3/4		3/4		3/4		3/4	
2	1,383.38	2	1,130.81	2	879.00	2	628.21	2	376.40	2	127.44	2		2		2		2	
1/4	1,378.12	1/4	1,125.55	1/4	873.79	1/4	622.97	1/4	371.16	1/4	122.38	1/4		1/4		1/4		1/4	
1/2	1,372.85	1/2	1,120.28	1/2	868.57	1/2	617.72	1/2	365.91	1/2	117.31	1/2		1/2		1/2		1/2	
3/4	1,367.59	3/4	1,115.02	3/4	863.36	3/4	612.48	3/4	360.67	3/4	112.24	3/4		3/4		3/4		3/4	
3	1,362.33	3	1,109.76	3	858.14	3	607.23	3	355.42	3	107.17	3		3		3		3	
1/4	1,357.07	1/4	1,104.50	1/4	852.93	1/4	601.99	1/4	350.18	1/4	102.11	1/4		1/4		1/4		1/4	
1/2	1,351.81	1/2	1,099.23	1/2	847.71	1/2	596.74	1/2	344.93	1/2	96.99	1/2		1/2		1/2		1/2	
3/4	1,346.55	3/4	1,093.97	3/4	842.50	3/4	591.49	3/4	339.68	3/4	91.88	3/4		3/4		3/4		3/4	
4	1,341.29	4	1,088.71	4	837.28	4	586.24	4	334.43	4	86.77	4		4		4		4	
1/4	1,336.03	1/4	1,083.45	1/4	832.07	1/4	581.00	1/4	329.19	1/4	81.66	1/4		1/4		1/4		1/4	
1/2	1,330.76	1/2	1,078.18	1/2	826.85	1/2	575.75	1/2	323.94	1/2	76.41	1/2		1/2		1/2		1/2	
3/4	1,325.50	3/4	1,072.92	3/4	821.64	3/4	570.51	3/4	318.70	3/4	71.16	3/4		3/4		3/4		3/4	
5	1,320.24	5	1,067.66	5	816.43	5	565.26	5	313.45	5	65.91	5		5		5		5	
1/4	1,314.98	1/4	1,062.40	1/4	811.22	1/4	560.02	1/4	308.21	1/4	60.67	1/4		1/4		1/4		1/4	
1/2	1,309.71	1/2	1,057.13	1/2	806.00	1/2	554.77	1/2	302.96	1/2	55.42	1/2		1/2		1/2		1/2	
3/4	1,304.45	3/4	1,051.87	3/4	800.79	3/4	549.52	3/4	297.72	3/4	50.18	3/4		3/4		3/4		3/4	
6	1,299.19	6	1,046.61	6	795.57	6	544.27	6	292.47	6	44.93	6		6		6		6	
1/4	1,293.93	1/4	1,041.35	1/4	790.36	1/4	539.03	1/4	287.23	1/4	39.69	1/4		1/4		1/4		1/4	
1/2	1,288.66	1/2	1,036.09	1/2	785.14	1/2	533.78	1/2	281.98	1/2	35.27	1/2		1/2		1/2		1/2	
3/4	1,283.40	3/4	1,030.83	3/4	779.93	3/4	528.54	3/4	276.73	3/4	30.86	3/4		3/4		3/4		3/4	
7	1,278.14	7	1,025.57	7	774.72	7	523.29	7	271.48	7	26.44	7		7		7		7	
1/4	1,272.88	1/4	1,020.31	1/4	769.51	1/4	518.05	1/4	266.24	1/4	22.03	1/4		1/4		1/4		1/4	
1/2	1,267.61	1/2	1,015.04	1/2	764.29	1/2	512.80	1/2	260.99	1/2	18.88	1/2		1/2		1/2		1/2	
3/4	1,262.35	3/4	1,009.78	3/4	759.08	3/4	507.56	3/4	255.75	3/4		3/4		3/4		3/4		3/4	
8	1,257.09	8	1,004.52	8	753.86	8	502.31	8	250.50	8		8		8		8		8	
1/4	1,251.83	1/4	999.26	1/4	748.65	1/4	497.07	1/4	245.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,246.57	1/2	993.99	1/2	743.43	1/2	491.82	1/2	240.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,241.31	3/4	988.73	3/4	738.22	3/4	486.57	3/4	234.76	3/4		3/4		3/4		3/4		3/4	
9	1,236.05	9	983.47	9	733.00	9	481.32	9	229.51	9		9		9		9		9	
1/4	1,230.79	1/4	978.21	1/4	727.79	1/4	476.08	1/4	224.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,225.52	1/2	972.96	1/2	722.57	1/2	470.83	1/2	219.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,220.26	3/4	967.71	3/4	717.35	3/4	465.59	3/4	213.87	3/4		3/4		3/4		3/4		3/4	
10	1,215.00	10	962.46	10	712.13	10	460.34	10	208.67	10		10		10		10		10	
1/4	1,209.74	1/4	957.21	1/4	706.91	1/4	455.10	1/4	203.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,204.47	1/2	951.99	1/2	701.66	1/2	449.85	1/2	198.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,199.21	3/4	946.78	3/4	696.41	3/4	444.60	3/4	193.33	3/4		3/4		3/4		3/4		3/4	
11	1,193.95	11	941.56	11	691.16	11	439.35	11	188.26	11		11		11		11		11	
1/4	1,188.69	1/4	936.35	1/4	685.92	1/4	434.11	1/4	183.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,183.42	1/2	931.13	1/2	680.67	1/2	428.86	1/2	178.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,178.16	3/4	925.92	3/4	675.43	3/4	423.62	3/4	173.06	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2006 INSP.
RECALCULATED: 07/06/2021 PMA
REPRINTED: 07/06/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

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



BARGE "MMI 3052"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	1,425.48	0	1,172.90	0	920.71	0	670.18	0	418.37	0	167.99	0		0		0		0	
1/4	1,420.22	1/4	1,167.64	1/4	915.50	1/4	664.94	1/4	413.13	1/4	162.92	1/4		1/4		1/4		1/4	
1/2	1,414.95	1/2	1,162.37	1/2	910.28	1/2	659.69	1/2	407.88	1/2	157.85	1/2		1/2		1/2		1/2	
3/4	1,409.69	3/4	1,157.11	3/4	905.07	3/4	654.44	3/4	402.64	3/4	152.78	3/4		3/4		3/4		3/4	
1	1,404.43	1	1,151.85	1	899.85	1	649.19	1	397.39	1	147.71	1		1		1		1	
1/4	1,399.17	1/4	1,146.59	1/4	894.64	1/4	643.95	1/4	392.15	1/4	142.65	1/4		1/4		1/4		1/4	
1/2	1,393.90	1/2	1,141.33	1/2	889.42	1/2	638.70	1/2	386.90	1/2	137.58	1/2		1/2		1/2		1/2	
3/4	1,388.64	3/4	1,136.07	3/4	884.21	3/4	633.46	3/4	381.65	3/4	132.51	3/4		3/4		3/4		3/4	
2	1,383.38	2	1,130.81	2	879.00	2	628.21	2	376.40	2	127.44	2		2		2		2	
1/4	1,378.12	1/4	1,125.55	1/4	873.79	1/4	622.97	1/4	371.16	1/4	122.38	1/4		1/4		1/4		1/4	
1/2	1,372.85	1/2	1,120.28	1/2	868.57	1/2	617.72	1/2	365.91	1/2	117.31	1/2		1/2		1/2		1/2	
3/4	1,367.59	3/4	1,115.02	3/4	863.36	3/4	612.48	3/4	360.67	3/4	112.24	3/4		3/4		3/4		3/4	
3	1,362.33	3	1,109.76	3	858.14	3	607.23	3	355.42	3	107.17	3		3		3		3	
1/4	1,357.07	1/4	1,104.50	1/4	852.93	1/4	601.99	1/4	350.18	1/4	102.11	1/4		1/4		1/4		1/4	
1/2	1,351.81	1/2	1,099.23	1/2	847.71	1/2	596.74	1/2	344.93	1/2	96.99	1/2		1/2		1/2		1/2	
3/4	1,346.55	3/4	1,093.97	3/4	842.50	3/4	591.49	3/4	339.68	3/4	91.88	3/4		3/4		3/4		3/4	
4	1,341.29	4	1,088.71	4	837.28	4	586.24	4	334.43	4	86.77	4		4		4		4	
1/4	1,336.03	1/4	1,083.45	1/4	832.07	1/4	581.00	1/4	329.19	1/4	81.66	1/4		1/4		1/4		1/4	
1/2	1,330.76	1/2	1,078.18	1/2	826.85	1/2	575.75	1/2	323.94	1/2	76.41	1/2		1/2		1/2		1/2	
3/4	1,325.50	3/4	1,072.92	3/4	821.64	3/4	570.51	3/4	318.70	3/4	71.16	3/4		3/4		3/4		3/4	
5	1,320.24	5	1,067.66	5	816.43	5	565.26	5	313.45	5	65.91	5		5		5		5	
1/4	1,314.98	1/4	1,062.40	1/4	811.22	1/4	560.02	1/4	308.21	1/4	60.67	1/4		1/4		1/4		1/4	
1/2	1,309.71	1/2	1,057.13	1/2	806.00	1/2	554.77	1/2	302.96	1/2	55.42	1/2		1/2		1/2		1/2	
3/4	1,304.45	3/4	1,051.87	3/4	800.79	3/4	549.52	3/4	297.72	3/4	50.18	3/4		3/4		3/4		3/4	
6	1,299.19	6	1,046.61	6	795.57	6	544.27	6	292.47	6	44.93	6		6		6		6	
1/4	1,293.93	1/4	1,041.35	1/4	790.36	1/4	539.03	1/4	287.23	1/4	39.69	1/4		1/4		1/4		1/4	
1/2	1,288.66	1/2	1,036.09	1/2	785.14	1/2	533.78	1/2	281.98	1/2	35.27	1/2		1/2		1/2		1/2	
3/4	1,283.40	3/4	1,030.83	3/4	779.93	3/4	528.54	3/4	276.73	3/4	30.86	3/4		3/4		3/4		3/4	
7	1,278.14	7	1,025.57	7	774.72	7	523.29	7	271.48	7	26.44	7		7		7		7	
1/4	1,272.88	1/4	1,020.31	1/4	769.51	1/4	518.05	1/4	266.24	1/4	22.03	1/4		1/4		1/4		1/4	
1/2	1,267.61	1/2	1,015.04	1/2	764.29	1/2	512.80	1/2	260.99	1/2	18.88	1/2		1/2		1/2		1/2	
3/4	1,262.35	3/4	1,009.78	3/4	759.08	3/4	507.56	3/4	255.75	3/4		3/4		3/4		3/4		3/4	
8	1,257.09	8	1,004.52	8	753.86	8	502.31	8	250.50	8		8		8		8		8	
1/4	1,251.83	1/4	999.26	1/4	748.65	1/4	497.07	1/4	245.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,246.57	1/2	993.99	1/2	743.43	1/2	491.82	1/2	240.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,241.31	3/4	988.73	3/4	738.22	3/4	486.57	3/4	234.76	3/4		3/4		3/4		3/4		3/4	
9	1,236.05	9	983.47	9	733.00	9	481.32	9	229.51	9		9		9		9		9	
1/4	1,230.79	1/4	978.21	1/4	727.79	1/4	476.08	1/4	224.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,225.52	1/2	972.96	1/2	722.57	1/2	470.83	1/2	219.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,220.26	3/4	967.71	3/4	717.35	3/4	465.59	3/4	213.87	3/4		3/4		3/4		3/4		3/4	
10	1,215.00	10	962.46	10	712.13	10	460.34	10	208.67	10		10		10		10		10	
1/4	1,209.74	1/4	957.21	1/4	706.91	1/4	455.10	1/4	203.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,204.47	1/2	951.99	1/2	701.66	1/2	449.85	1/2	198.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,199.21	3/4	946.78	3/4	696.41	3/4	444.60	3/4	193.33	3/4		3/4		3/4		3/4		3/4	
11	1,193.95	11	941.56	11	691.16	11	439.35	11	188.26	11		11		11		11		11	
1/4	1,188.69	1/4	936.35	1/4	685.92	1/4	434.11	1/4	183.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,183.42	1/2	931.13	1/2	680.67	1/2	428.86	1/2	178.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,178.16	3/4	925.92	3/4	675.43	3/4	423.62	3/4	173.06	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

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



BARGE "MMI 3052"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	3,237.57	0	2,959.75	0	2,681.92	0	2,404.10	0	2,126.27	0	1,848.45
1/4		1/4		1/4		1/4		1/4	3,231.78	1/4	2,953.96	1/4	2,676.13	1/4	2,398.31	1/4	2,120.48	1/4	1,842.66
1/2		1/2		1/2		1/2	3,488.19	1/2	3,225.99	1/2	2,948.17	1/2	2,670.34	1/2	2,392.52	1/2	2,114.69	1/2	1,836.87
3/4		3/4		3/4		3/4	3,484.92	3/4	3,220.21	3/4	2,942.38	3/4	2,664.56	3/4	2,386.74	3/4	2,108.91	3/4	1,831.09
1		1		1		1	3,481.65	1	3,214.42	1	2,936.59	1	2,658.77	1	2,380.95	1	2,103.12	1	1,825.30
1/4		1/4		1/4		1/4	3,478.38	1/4	3,208.63	1/4	2,930.80	1/4	2,652.98	1/4	2,375.16	1/4	2,097.33	1/4	1,819.51
1/2		1/2		1/2		1/2	3,474.11	1/2	3,202.84	1/2	2,925.01	1/2	2,647.19	1/2	2,369.37	1/2	2,091.54	1/2	1,813.72
3/4		3/4		3/4		3/4	3,469.83	3/4	3,197.06	3/4	2,919.23	3/4	2,641.41	3/4	2,363.58	3/4	2,085.76	3/4	1,807.94
2		2		2		2	3,465.56	2	3,191.27	2	2,913.44	2	2,635.62	2	2,357.79	2	2,079.97	2	1,802.15
1/4		1/4		1/4		1/4	3,461.28	1/4	3,185.48	1/4	2,907.65	1/4	2,629.83	1/4	2,352.00	1/4	2,074.18	1/4	1,796.36
1/2		1/2		1/2		1/2	3,456.00	1/2	3,179.69	1/2	2,901.86	1/2	2,624.04	1/2	2,346.21	1/2	2,068.39	1/2	1,790.57
3/4		3/4		3/4		3/4	3,450.72	3/4	3,173.90	3/4	2,896.08	3/4	2,618.26	3/4	2,340.43	3/4	2,062.61	3/4	1,784.78
3		3		3		3	3,445.43	3	3,168.11	3	2,890.29	3	2,612.47	3	2,334.64	3	2,056.82	3	1,778.99
1/4		1/4		1/4		1/4	3,440.15	1/4	3,162.32	1/4	2,884.50	1/4	2,606.68	1/4	2,328.85	1/4	2,051.03	1/4	1,773.20
1/2		1/2		1/2		1/2	3,434.36	1/2	3,156.53	1/2	2,878.71	1/2	2,600.89	1/2	2,323.06	1/2	2,045.24	1/2	1,767.41
3/4		3/4		3/4		3/4	3,428.58	3/4	3,150.75	3/4	2,872.93	3/4	2,595.10	3/4	2,317.28	3/4	2,039.46	3/4	1,761.63
4		4		4		4	3,422.79	4	3,144.96	4	2,867.14	4	2,589.31	4	2,311.49	4	2,033.67	4	1,755.84
1/4		1/4		1/4		1/4	3,417.00	1/4	3,139.17	1/4	2,861.35	1/4	2,583.52	1/4	2,305.70	1/4	2,027.88	1/4	1,750.05
1/2		1/2		1/2		1/2	3,411.21	1/2	3,133.38	1/2	2,855.56	1/2	2,577.73	1/2	2,299.91	1/2	2,022.09	1/2	1,744.26
3/4		3/4		3/4		3/4	3,405.42	3/4	3,127.60	3/4	2,849.78	3/4	2,571.95	3/4	2,294.13	3/4	2,016.30	3/4	1,738.48
5		5		5		5	3,399.63	5	3,121.81	5	2,843.99	5	2,566.16	5	2,288.34	5	2,010.51	5	1,732.69
1/4		1/4		1/4		1/4	3,393.84	1/4	3,116.02	1/4	2,838.20	1/4	2,560.37	1/4	2,282.55	1/4	2,004.72	1/4	1,726.90
1/2		1/2		1/2		1/2	3,388.05	1/2	3,110.23	1/2	2,832.41	1/2	2,554.58	1/2	2,276.76	1/2	1,998.93	1/2	1,721.11
3/4		3/4		3/4		3/4	3,382.27	3/4	3,104.45	3/4	2,826.62	3/4	2,548.80	3/4	2,270.98	3/4	1,993.15	3/4	1,715.33
6		6		6		6	3,376.48	6	3,098.66	6	2,820.83	6	2,543.01	6	2,265.19	6	1,987.36	6	1,709.54
1/4		1/4		1/4		1/4	3,370.69	1/4	3,092.87	1/4	2,815.04	1/4	2,537.22	1/4	2,259.40	1/4	1,981.57	1/4	1,703.75
1/2		1/2		1/2		1/2	3,364.90	1/2	3,087.08	1/2	2,809.25	1/2	2,531.43	1/2	2,253.61	1/2	1,975.78	1/2	1,697.96
3/4		3/4		3/4		3/4	3,359.12	3/4	3,081.30	3/4	2,803.47	3/4	2,525.65	3/4	2,247.82	3/4	1,970.00	3/4	1,692.18
7		7		7		7	3,353.33	7	3,075.51	7	2,797.68	7	2,519.86	7	2,242.03	7	1,964.21	7	1,686.39
1/4		1/4		1/4		1/4	3,347.54	1/4	3,069.72	1/4	2,791.89	1/4	2,514.07	1/4	2,236.24	1/4	1,958.42	1/4	1,680.60
1/2		1/2		1/2		1/2	3,341.75	1/2	3,063.93	1/2	2,786.10	1/2	2,508.28	1/2	2,230.45	1/2	1,952.63	1/2	1,674.81
3/4		3/4		3/4		3/4	3,335.97	3/4	3,058.14	3/4	2,780.32	3/4	2,502.50	3/4	2,224.67	3/4	1,946.85	3/4	1,669.02
8		8		8		8	3,330.18	8	3,052.35	8	2,774.53	8	2,496.71	8	2,218.88	8	1,941.06	8	1,663.23
1/4		1/4		1/4		1/4	3,324.39	1/4	3,046.56	1/4	2,768.74	1/4	2,490.92	1/4	2,213.09	1/4	1,935.27	1/4	1,657.44
1/2		1/2		1/2		1/2	3,318.60	1/2	3,040.77	1/2	2,762.95	1/2	2,485.13	1/2	2,207.30	1/2	1,929.48	1/2	1,651.65
3/4		3/4		3/4		3/4	3,312.82	3/4	3,034.99	3/4	2,757.17	3/4	2,479.34	3/4	2,201.52	3/4	1,923.70	3/4	1,645.87
9		9		9		9	3,307.03	9	3,029.20	9	2,751.38	9	2,473.55	9	2,195.73	9	1,917.91	9	1,640.08
1/4		1/4		1/4		1/4	3,301.24	1/4	3,023.41	1/4	2,745.59	1/4	2,467.76	1/4	2,189.94	1/4	1,912.12	1/4	1,634.29
1/2		1/2		1/2		1/2	3,295.45	1/2	3,017.62	1/2	2,739.80	1/2	2,461.97	1/2	2,184.15	1/2	1,906.33	1/2	1,628.50
3/4		3/4		3/4		3/4	3,289.66	3/4	3,011.84	3/4	2,734.02	3/4	2,456.19	3/4	2,178.37	3/4	1,900.54	3/4	1,622.72
10		10		10		10	3,283.87	10	3,006.05	10	2,728.23	10	2,450.40	10	2,172.58	10	1,894.75	10	1,616.93
1/4		1/4		1/4		1/4	3,278.08	1/4	3,000.26	1/4	2,722.44	1/4	2,444.61	1/4	2,166.79	1/4	1,888.96	1/4	1,611.14
1/2		1/2		1/2		1/2	3,272.29	1/2	2,994.47	1/2	2,716.65	1/2	2,438.82	1/2	2,161.00	1/2	1,883.17	1/2	1,605.35
3/4		3/4		3/4		3/4	3,266.51	3/4	2,988.69	3/4	2,710.86	3/4	2,433.04	3/4	2,155.22	3/4	1,877.39	3/4	1,599.57
11		11		11		11	3,260.72	11	2,982.90	11	2,705.07	11	2,427.25	11	2,149.43	11	1,871.60	11	1,593.78
1/4		1/4		1/4		1/4	3,254.93	1/4	2,977.11	1/4	2,699.28	1/4	2,421.46	1/4	2,143.64	1/4	1,865.81	1/4	1,587.99
1/2		1/2		1/2		1/2	3,249.14	1/2	2,971.32	1/2	2,693.49	1/2	2,415.67	1/2	2,137.85	1/2	1,860.02	1/2	1,582.20
3/4		3/4		3/4		3/4	3,243.36	3/4	2,965.54	3/4	2,687.71	3/4	2,409.89	3/4	2,132.06	3/4	1,854.24	3/4	1,576.42

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 10'-09" OFF CENTERLINE AND 34'-06" 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 3052"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	1,570.63	0	1,292.80	0	1,015.30	0	739.09	0	461.36	0	185.22	0		0		0		0	
1/4	1,564.84	1/4	1,287.01	1/4	1,009.55	1/4	733.30	1/4	455.57	1/4	179.63	1/4		1/4		1/4		1/4	
1/2	1,559.05	1/2	1,281.22	1/2	1,003.80	1/2	727.52	1/2	449.79	1/2	174.04	1/2		1/2		1/2		1/2	
3/4	1,553.26	3/4	1,275.44	3/4	998.06	3/4	721.73	3/4	444.00	3/4	168.46	3/4		3/4		3/4		3/4	
1	1,547.47	1	1,269.65	1	992.31	1	715.95	1	438.22	1	162.87	1		1		1		1	
1/4	1,541.68	1/4	1,263.86	1/4	986.56	1/4	710.16	1/4	432.43	1/4	157.28	1/4		1/4		1/4		1/4	
1/2	1,535.89	1/2	1,258.07	1/2	980.81	1/2	704.37	1/2	426.65	1/2	151.69	1/2		1/2		1/2		1/2	
3/4	1,530.11	3/4	1,252.29	3/4	975.06	3/4	698.59	3/4	420.86	3/4	146.10	3/4		3/4		3/4		3/4	
2	1,524.32	2	1,246.50	2	969.31	2	692.80	2	415.08	2	140.51	2		2		2		2	
1/4	1,518.53	1/4	1,240.71	1/4	963.56	1/4	687.01	1/4	409.29	1/4	134.92	1/4		1/4		1/4		1/4	
1/2	1,512.74	1/2	1,234.92	1/2	957.81	1/2	681.23	1/2	403.50	1/2	129.33	1/2		1/2		1/2		1/2	
3/4	1,506.96	3/4	1,229.14	3/4	952.07	3/4	675.44	3/4	397.72	3/4	123.75	3/4		3/4		3/4		3/4	
3	1,501.17	3	1,223.35	3	946.32	3	669.66	3	391.93	3	118.16	3		3		3		3	
1/4	1,495.38	1/4	1,217.56	1/4	940.57	1/4	663.87	1/4	386.14	1/4	112.57	1/4		1/4		1/4		1/4	
1/2	1,489.59	1/2	1,211.77	1/2	934.82	1/2	658.09	1/2	380.36	1/2	106.93	1/2		1/2		1/2		1/2	
3/4	1,483.81	3/4	1,205.98	3/4	929.08	3/4	652.30	3/4	374.57	3/4	101.30	3/4		3/4		3/4		3/4	
4	1,478.02	4	1,200.19	4	923.33	4	646.52	4	368.79	4	95.66	4		4		4		4	
1/4	1,472.23	1/4	1,194.40	1/4	917.58	1/4	640.73	1/4	363.00	1/4	90.02	1/4		1/4		1/4		1/4	
1/2	1,466.44	1/2	1,188.61	1/2	911.83	1/2	634.94	1/2	357.21	1/2	84.24	1/2		1/2		1/2		1/2	
3/4	1,460.66	3/4	1,182.83	3/4	906.09	3/4	629.16	3/4	351.43	3/4	78.45	3/4		3/4		3/4		3/4	
5	1,454.87	5	1,177.04	5	900.34	5	623.37	5	345.64	5	72.67	5		5		5		5	
1/4	1,449.08	1/4	1,171.25	1/4	894.59	1/4	617.58	1/4	339.85	1/4	66.88	1/4		1/4		1/4		1/4	
1/2	1,443.29	1/2	1,165.46	1/2	888.84	1/2	611.80	1/2	334.07	1/2	61.09	1/2		1/2		1/2		1/2	
3/4	1,437.50	3/4	1,159.68	3/4	883.10	3/4	606.01	3/4	328.28	3/4	55.31	3/4		3/4		3/4		3/4	
6	1,431.71	6	1,153.89	6	877.35	6	600.23	6	322.50	6	49.52	6		6		6		6	
1/4	1,425.92	1/4	1,148.10	1/4	871.60	1/4	594.44	1/4	316.71	1/4	43.73	1/4		1/4		1/4		1/4	
1/2	1,420.13	1/2	1,142.31	1/2	865.85	1/2	588.65	1/2	310.93	1/2	38.86	1/2		1/2		1/2		1/2	
3/4	1,414.35	3/4	1,136.53	3/4	860.10	3/4	582.87	3/4	305.14	3/4	34.00	3/4		3/4		3/4		3/4	
7	1,408.56	7	1,130.74	7	854.35	7	577.08	7	299.36	7	29.13	7		7		7		7	
1/4	1,402.77	1/4	1,124.95	1/4	848.60	1/4	571.29	1/4	293.57	1/4	24.26	1/4		1/4		1/4		1/4	
1/2	1,396.98	1/2	1,119.16	1/2	842.85	1/2	565.51	1/2	287.78	1/2	20.79	1/2		1/2		1/2		1/2	
3/4	1,391.20	3/4	1,113.38	3/4	837.11	3/4	559.72	3/4	282.00	3/4		3/4		3/4		3/4		3/4	
8	1,385.41	8	1,107.59	8	831.36	8	553.94	8	276.21	8		8		8		8		8	
1/4	1,379.62	1/4	1,101.80	1/4	825.61	1/4	548.15	1/4	270.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,373.83	1/2	1,096.01	1/2	819.86	1/2	542.37	1/2	264.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,368.05	3/4	1,090.22	3/4	814.12	3/4	536.58	3/4	258.85	3/4		3/4		3/4		3/4		3/4	
9	1,362.26	9	1,084.43	9	808.37	9	530.80	9	253.07	9		9		9		9		9	
1/4	1,356.47	1/4	1,078.64	1/4	802.62	1/4	525.01	1/4	247.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,350.68	1/2	1,072.86	1/2	796.86	1/2	519.22	1/2	241.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,344.90	3/4	1,067.09	3/4	791.11	3/4	513.44	3/4	235.81	3/4		3/4		3/4		3/4		3/4	
10	1,339.11	10	1,061.31	10	785.35	10	507.65	10	230.07	10		10		10		10		10	
1/4	1,333.32	1/4	1,055.53	1/4	779.59	1/4	501.86	1/4	224.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,327.53	1/2	1,049.78	1/2	773.81	1/2	496.08	1/2	218.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,321.74	3/4	1,044.04	3/4	768.02	3/4	490.29	3/4	213.16	3/4		3/4		3/4		3/4		3/4	
11	1,315.95	11	1,038.29	11	762.24	11	484.51	11	207.57	11		11		11		11		11	
1/4	1,310.16	1/4	1,032.54	1/4	756.45	1/4	478.72	1/4	201.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,304.37	1/2	1,026.79	1/2	750.66	1/2	472.93	1/2	196.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,298.59	3/4	1,021.05	3/4	744.88	3/4	467.15	3/4	190.81	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2006 INSP.
RECALCULATED: 07/06/2021 PMA
REPRINTED: 07/06/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "MMI 3052"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	3,237.57	0	2,959.75	0	2,681.92	0	2,404.10	0	2,126.27	0	1,848.45
1/4		1/4		1/4		1/4		1/4	3,231.78	1/4	2,953.96	1/4	2,676.13	1/4	2,398.31	1/4	2,120.48	1/4	1,842.66
1/2		1/2		1/2		1/2	3,488.19	1/2	3,225.99	1/2	2,948.17	1/2	2,670.34	1/2	2,392.52	1/2	2,114.69	1/2	1,836.87
3/4		3/4		3/4		3/4	3,484.92	3/4	3,220.21	3/4	2,942.38	3/4	2,664.56	3/4	2,386.74	3/4	2,108.91	3/4	1,831.09
1		1		1		1	3,481.65	1	3,214.42	1	2,936.59	1	2,658.77	1	2,380.95	1	2,103.12	1	1,825.30
1/4		1/4		1/4		1/4	3,478.38	1/4	3,208.63	1/4	2,930.80	1/4	2,652.98	1/4	2,375.16	1/4	2,097.33	1/4	1,819.51
1/2		1/2		1/2		1/2	3,474.11	1/2	3,202.84	1/2	2,925.01	1/2	2,647.19	1/2	2,369.37	1/2	2,091.54	1/2	1,813.72
3/4		3/4		3/4		3/4	3,469.83	3/4	3,197.06	3/4	2,919.23	3/4	2,641.41	3/4	2,363.58	3/4	2,085.76	3/4	1,807.94
2		2		2		2	3,465.56	2	3,191.27	2	2,913.44	2	2,635.62	2	2,357.79	2	2,079.97	2	1,802.15
1/4		1/4		1/4		1/4	3,461.28	1/4	3,185.48	1/4	2,907.65	1/4	2,629.83	1/4	2,352.00	1/4	2,074.18	1/4	1,796.36
1/2		1/2		1/2		1/2	3,456.00	1/2	3,179.69	1/2	2,901.86	1/2	2,624.04	1/2	2,346.21	1/2	2,068.39	1/2	1,790.57
3/4		3/4		3/4		3/4	3,450.72	3/4	3,173.90	3/4	2,896.08	3/4	2,618.26	3/4	2,340.43	3/4	2,062.61	3/4	1,784.78
3		3		3		3	3,445.43	3	3,168.11	3	2,890.29	3	2,612.47	3	2,334.64	3	2,056.82	3	1,778.99
1/4		1/4		1/4		1/4	3,440.15	1/4	3,162.32	1/4	2,884.50	1/4	2,606.68	1/4	2,328.85	1/4	2,051.03	1/4	1,773.20
1/2		1/2		1/2		1/2	3,434.36	1/2	3,156.53	1/2	2,878.71	1/2	2,600.89	1/2	2,323.06	1/2	2,045.24	1/2	1,767.41
3/4		3/4		3/4		3/4	3,428.58	3/4	3,150.75	3/4	2,872.93	3/4	2,595.10	3/4	2,317.28	3/4	2,039.46	3/4	1,761.63
4		4		4		4	3,422.79	4	3,144.96	4	2,867.14	4	2,589.31	4	2,311.49	4	2,033.67	4	1,755.84
1/4		1/4		1/4		1/4	3,417.00	1/4	3,139.17	1/4	2,861.35	1/4	2,583.52	1/4	2,305.70	1/4	2,027.88	1/4	1,750.05
1/2		1/2		1/2		1/2	3,411.21	1/2	3,133.38	1/2	2,855.56	1/2	2,577.73	1/2	2,299.91	1/2	2,022.09	1/2	1,744.26
3/4		3/4		3/4		3/4	3,405.42	3/4	3,127.60	3/4	2,849.78	3/4	2,571.95	3/4	2,294.13	3/4	2,016.30	3/4	1,738.48
5		5		5		5	3,399.63	5	3,121.81	5	2,843.99	5	2,566.16	5	2,288.34	5	2,010.51	5	1,732.69
1/4		1/4		1/4		1/4	3,393.84	1/4	3,116.02	1/4	2,838.20	1/4	2,560.37	1/4	2,282.55	1/4	2,004.72	1/4	1,726.90
1/2		1/2		1/2		1/2	3,388.05	1/2	3,110.23	1/2	2,832.41	1/2	2,554.58	1/2	2,276.76	1/2	1,998.93	1/2	1,721.11
3/4		3/4		3/4		3/4	3,382.27	3/4	3,104.45	3/4	2,826.62	3/4	2,548.80	3/4	2,270.98	3/4	1,993.15	3/4	1,715.33
6		6		6		6	3,376.48	6	3,098.66	6	2,820.83	6	2,543.01	6	2,265.19	6	1,987.36	6	1,709.54
1/4		1/4		1/4		1/4	3,370.69	1/4	3,092.87	1/4	2,815.04	1/4	2,537.22	1/4	2,259.40	1/4	1,981.57	1/4	1,703.75
1/2		1/2		1/2		1/2	3,364.90	1/2	3,087.08	1/2	2,809.25	1/2	2,531.43	1/2	2,253.61	1/2	1,975.78	1/2	1,697.96
3/4		3/4		3/4		3/4	3,359.12	3/4	3,081.30	3/4	2,803.47	3/4	2,525.65	3/4	2,247.82	3/4	1,970.00	3/4	1,692.18
7		7		7		7	3,353.33	7	3,075.51	7	2,797.68	7	2,519.86	7	2,242.03	7	1,964.21	7	1,686.39
1/4		1/4		1/4		1/4	3,347.54	1/4	3,069.72	1/4	2,791.89	1/4	2,514.07	1/4	2,236.24	1/4	1,958.42	1/4	1,680.60
1/2		1/2		1/2		1/2	3,341.75	1/2	3,063.93	1/2	2,786.10	1/2	2,508.28	1/2	2,230.45	1/2	1,952.63	1/2	1,674.81
3/4		3/4		3/4		3/4	3,335.97	3/4	3,058.14	3/4	2,780.32	3/4	2,502.50	3/4	2,224.67	3/4	1,946.85	3/4	1,669.02
8		8		8		8	3,330.18	8	3,052.35	8	2,774.53	8	2,496.71	8	2,218.88	8	1,941.06	8	1,663.23
1/4		1/4		1/4		1/4	3,324.39	1/4	3,046.56	1/4	2,768.74	1/4	2,490.92	1/4	2,213.09	1/4	1,935.27	1/4	1,657.44
1/2		1/2		1/2		1/2	3,318.60	1/2	3,040.77	1/2	2,762.95	1/2	2,485.13	1/2	2,207.30	1/2	1,929.48	1/2	1,651.65
3/4		3/4		3/4		3/4	3,312.82	3/4	3,034.99	3/4	2,757.17	3/4	2,479.34	3/4	2,201.52	3/4	1,923.70	3/4	1,645.87
9		9		9		9	3,307.03	9	3,029.20	9	2,751.38	9	2,473.55	9	2,195.73	9	1,917.91	9	1,640.08
1/4		1/4		1/4		1/4	3,301.24	1/4	3,023.41	1/4	2,745.59	1/4	2,467.76	1/4	2,189.94	1/4	1,912.12	1/4	1,634.29
1/2		1/2		1/2		1/2	3,295.45	1/2	3,017.62	1/2	2,739.80	1/2	2,461.97	1/2	2,184.15	1/2	1,906.33	1/2	1,628.50
3/4		3/4		3/4		3/4	3,289.66	3/4	3,011.84	3/4	2,734.02	3/4	2,456.19	3/4	2,178.37	3/4	1,900.54	3/4	1,622.72
10		10		10		10	3,283.87	10	3,006.05	10	2,728.23	10	2,450.40	10	2,172.58	10	1,894.75	10	1,616.93
1/4		1/4		1/4		1/4	3,278.08	1/4	3,000.26	1/4	2,722.44	1/4	2,444.61	1/4	2,166.79	1/4	1,888.96	1/4	1,611.14
1/2		1/2		1/2		1/2	3,272.29	1/2	2,994.47	1/2	2,716.65	1/2	2,438.82	1/2	2,161.00	1/2	1,883.17	1/2	1,605.35
3/4		3/4		3/4		3/4	3,266.51	3/4	2,988.69	3/4	2,710.86	3/4	2,433.04	3/4	2,155.22	3/4	1,877.39	3/4	1,599.57
11		11		11		11	3,260.72	11	2,982.90	11	2,705.07	11	2,427.25	11	2,149.43	11	1,871.60	11	1,593.78
1/4		1/4		1/4		1/4	3,254.93	1/4	2,977.11	1/4	2,699.28	1/4	2,421.46	1/4	2,143.64	1/4	1,865.81	1/4	1,587.99
1/2		1/2		1/2		1/2	3,249.14	1/2	2,971.32	1/2	2,693.49	1/2	2,415.67	1/2	2,137.85	1/2	1,860.02	1/2	1,582.20
3/4		3/4		3/4		3/4	3,243.36	3/4	2,965.54	3/4	2,687.71	3/4	2,409.89	3/4	2,132.06	3/4	1,854.24	3/4	1,576.42

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 10'-09" OFF CENTERLINE AND 34'-06" 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 3052"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	1,570.63	0	1,292.80	0	1,015.30	0	739.09	0	461.36	0	185.22	0		0		0		0	
1/4	1,564.84	1/4	1,287.01	1/4	1,009.55	1/4	733.30	1/4	455.57	1/4	179.63	1/4		1/4		1/4		1/4	
1/2	1,559.05	1/2	1,281.22	1/2	1,003.80	1/2	727.52	1/2	449.79	1/2	174.04	1/2		1/2		1/2		1/2	
3/4	1,553.26	3/4	1,275.44	3/4	998.06	3/4	721.73	3/4	444.00	3/4	168.46	3/4		3/4		3/4		3/4	
1	1,547.47	1	1,269.65	1	992.31	1	715.95	1	438.22	1	162.87	1		1		1		1	
1/4	1,541.68	1/4	1,263.86	1/4	986.56	1/4	710.16	1/4	432.43	1/4	157.28	1/4		1/4		1/4		1/4	
1/2	1,535.89	1/2	1,258.07	1/2	980.81	1/2	704.37	1/2	426.65	1/2	151.69	1/2		1/2		1/2		1/2	
3/4	1,530.11	3/4	1,252.29	3/4	975.06	3/4	698.59	3/4	420.86	3/4	146.10	3/4		3/4		3/4		3/4	
2	1,524.32	2	1,246.50	2	969.31	2	692.80	2	415.08	2	140.51	2		2		2		2	
1/4	1,518.53	1/4	1,240.71	1/4	963.56	1/4	687.01	1/4	409.29	1/4	134.92	1/4		1/4		1/4		1/4	
1/2	1,512.74	1/2	1,234.92	1/2	957.81	1/2	681.23	1/2	403.50	1/2	129.33	1/2		1/2		1/2		1/2	
3/4	1,506.96	3/4	1,229.14	3/4	952.07	3/4	675.44	3/4	397.72	3/4	123.75	3/4		3/4		3/4		3/4	
3	1,501.17	3	1,223.35	3	946.32	3	669.66	3	391.93	3	118.16	3		3		3		3	
1/4	1,495.38	1/4	1,217.56	1/4	940.57	1/4	663.87	1/4	386.14	1/4	112.57	1/4		1/4		1/4		1/4	
1/2	1,489.59	1/2	1,211.77	1/2	934.82	1/2	658.09	1/2	380.36	1/2	106.93	1/2		1/2		1/2		1/2	
3/4	1,483.81	3/4	1,205.98	3/4	929.08	3/4	652.30	3/4	374.57	3/4	101.30	3/4		3/4		3/4		3/4	
4	1,478.02	4	1,200.19	4	923.33	4	646.52	4	368.79	4	95.66	4		4		4		4	
1/4	1,472.23	1/4	1,194.40	1/4	917.58	1/4	640.73	1/4	363.00	1/4	90.02	1/4		1/4		1/4		1/4	
1/2	1,466.44	1/2	1,188.61	1/2	911.83	1/2	634.94	1/2	357.21	1/2	84.24	1/2		1/2		1/2		1/2	
3/4	1,460.66	3/4	1,182.83	3/4	906.09	3/4	629.16	3/4	351.43	3/4	78.45	3/4		3/4		3/4		3/4	
5	1,454.87	5	1,177.04	5	900.34	5	623.37	5	345.64	5	72.67	5		5		5		5	
1/4	1,449.08	1/4	1,171.25	1/4	894.59	1/4	617.58	1/4	339.85	1/4	66.88	1/4		1/4		1/4		1/4	
1/2	1,443.29	1/2	1,165.46	1/2	888.84	1/2	611.80	1/2	334.07	1/2	61.09	1/2		1/2		1/2		1/2	
3/4	1,437.50	3/4	1,159.68	3/4	883.10	3/4	606.01	3/4	328.28	3/4	55.31	3/4		3/4		3/4		3/4	
6	1,431.71	6	1,153.89	6	877.35	6	600.23	6	322.50	6	49.52	6		6		6		6	
1/4	1,425.92	1/4	1,148.10	1/4	871.60	1/4	594.44	1/4	316.71	1/4	43.73	1/4		1/4		1/4		1/4	
1/2	1,420.13	1/2	1,142.31	1/2	865.85	1/2	588.65	1/2	310.93	1/2	38.86	1/2		1/2		1/2		1/2	
3/4	1,414.35	3/4	1,136.53	3/4	860.10	3/4	582.87	3/4	305.14	3/4	34.00	3/4		3/4		3/4		3/4	
7	1,408.56	7	1,130.74	7	854.35	7	577.08	7	299.36	7	29.13	7		7		7		7	
1/4	1,402.77	1/4	1,124.95	1/4	848.60	1/4	571.29	1/4	293.57	1/4	24.26	1/4		1/4		1/4		1/4	
1/2	1,396.98	1/2	1,119.16	1/2	842.85	1/2	565.51	1/2	287.78	1/2	20.79	1/2		1/2		1/2		1/2	
3/4	1,391.20	3/4	1,113.38	3/4	837.11	3/4	559.72	3/4	282.00	3/4		3/4		3/4		3/4		3/4	
8	1,385.41	8	1,107.59	8	831.36	8	553.94	8	276.21	8		8		8		8		8	
1/4	1,379.62	1/4	1,101.80	1/4	825.61	1/4	548.15	1/4	270.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,373.83	1/2	1,096.01	1/2	819.86	1/2	542.37	1/2	264.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,368.05	3/4	1,090.22	3/4	814.12	3/4	536.58	3/4	258.85	3/4		3/4		3/4		3/4		3/4	
9	1,362.26	9	1,084.43	9	808.37	9	530.80	9	253.07	9		9		9		9		9	
1/4	1,356.47	1/4	1,078.64	1/4	802.62	1/4	525.01	1/4	247.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,350.68	1/2	1,072.86	1/2	796.86	1/2	519.22	1/2	241.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,344.90	3/4	1,067.09	3/4	791.11	3/4	513.44	3/4	235.81	3/4		3/4		3/4		3/4		3/4	
10	1,339.11	10	1,061.31	10	785.35	10	507.65	10	230.07	10		10		10		10		10	
1/4	1,333.32	1/4	1,055.53	1/4	779.59	1/4	501.86	1/4	224.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,327.53	1/2	1,049.78	1/2	773.81	1/2	496.08	1/2	218.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,321.74	3/4	1,044.04	3/4	768.02	3/4	490.29	3/4	213.16	3/4		3/4		3/4		3/4		3/4	
11	1,315.95	11	1,038.29	11	762.24	11	484.51	11	207.57	11		11		11		11		11	
1/4	1,310.16	1/4	1,032.54	1/4	756.45	1/4	478.72	1/4	201.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,304.37	1/2	1,026.79	1/2	750.66	1/2	472.93	1/2	196.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,298.59	3/4	1,021.05	3/4	744.88	3/4	467.15	3/4	190.81	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2006 INSP.
RECALCULATED: 07/06/2021 PMA
REPRINTED: 07/06/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

PRECISION MEASUREMENT
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Pearland, Texas 77588
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BARGE "MMI 3052"

4 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	3,061.51	0	2,943.42	0	2,672.92	0	2,396.63	0	2,120.34	0	1,844.05
1/4		1/4		1/4		1/4		1/4	3,059.44	1/4	2,938.94	1/4	2,667.17	1/4	2,390.88	1/4	2,114.59	1/4	1,838.30
1/2		1/2		1/2		1/2		1/2	3,057.37	1/2	2,934.47	1/2	2,661.41	1/2	2,385.12	1/2	2,108.83	1/2	1,832.54
3/4		3/4		3/4		3/4		3/4	3,149.17	3/4	3,055.30	3/4	2,929.36	3/4	2,655.65	3/4	2,379.36	3/4	2,103.07
1		1		1		1		1	3,053.23	1	2,924.25	1	2,649.90	1	2,373.61	1	2,097.32	1	1,821.03
1/4		1/4		1/4		1/4		1/4	3,146.83	1/4	3,051.15	1/4	2,919.13	1/4	2,644.14	1/4	2,367.85	1/4	2,091.56
1/2		1/2		1/2		1/2		1/2	3,145.65	1/2	3,049.08	1/2	2,914.02	1/2	2,638.38	1/2	2,362.09	1/2	2,085.80
3/4		3/4		3/4		3/4		3/4	3,144.12	3/4	3,047.01	3/4	2,908.43	3/4	2,632.63	3/4	2,356.34	3/4	2,080.05
2		2		2		2		2	3,142.59	2	3,044.94	2	2,902.84	2	2,626.87	2	2,350.58	2	2,074.29
1/4		1/4		1/4		1/4		1/4	3,141.06	1/4	3,042.86	1/4	2,897.24	1/4	2,621.12	1/4	2,344.83	1/4	2,068.54
1/2		1/2		1/2		1/2		1/2	3,139.53	1/2	3,040.79	1/2	2,891.65	1/2	2,615.36	1/2	2,339.07	1/2	2,062.78
3/4		3/4		3/4		3/4		3/4	3,137.64	3/4	3,038.72	3/4	2,885.89	3/4	2,609.60	3/4	2,333.31	3/4	2,057.03
3		3		3		3		3	3,135.75	3	3,036.65	3	2,880.14	3	2,603.85	3	2,327.56	3	2,051.27
1/4		1/4		1/4		1/4		1/4	3,133.86	1/4	3,034.57	1/4	2,874.38	1/4	2,598.09	1/4	2,321.80	1/4	2,045.52
1/2		1/2		1/2		1/2		1/2	3,131.96	1/2	3,032.50	1/2	2,868.62	1/2	2,592.33	1/2	2,316.04	1/2	2,039.76
3/4		3/4		3/4		3/4		3/4	3,129.89	3/4	3,030.43	3/4	2,862.87	3/4	2,586.58	3/4	2,310.29	3/4	2,034.00
4		4		4		4		4	3,127.82	4	3,028.36	4	2,857.11	4	2,580.82	4	2,304.53	4	2,028.25
1/4		1/4		1/4		1/4		1/4	3,125.75	1/4	3,026.28	1/4	2,851.36	1/4	2,575.07	1/4	2,298.78	1/4	2,022.49
1/2		1/2		1/2		1/2		1/2	3,123.67	1/2	3,024.21	1/2	2,845.60	1/2	2,569.31	1/2	2,293.02	1/2	2,016.73
3/4		3/4		3/4		3/4		3/4	3,121.60	3/4	3,022.14	3/4	2,839.84	3/4	2,563.55	3/4	2,287.27	3/4	2,010.98
5		5		5		5		5	3,119.53	5	3,020.07	5	2,834.09	5	2,557.80	5	2,281.51	5	2,005.22
1/4		1/4		1/4		1/4		1/4	3,117.46	1/4	3,018.00	1/4	2,828.33	1/4	2,552.04	1/4	2,275.76	1/4	1,999.47
1/2		1/2		1/2		1/2		1/2	3,115.38	1/2	3,015.93	1/2	2,822.57	1/2	2,546.28	1/2	2,270.00	1/2	1,993.71
3/4		3/4		3/4		3/4		3/4	3,113.31	3/4	3,013.86	3/4	2,816.82	3/4	2,540.53	3/4	2,264.24	3/4	1,987.95
6		6		6		6		6	3,111.24	6	3,011.79	6	2,811.06	6	2,534.77	6	2,258.49	6	1,982.20
1/4		1/4		1/4		1/4		1/4	3,109.17	1/4	3,009.71	1/4	2,805.31	1/4	2,529.02	1/4	2,252.73	1/4	1,976.44
1/2		1/2		1/2		1/2		1/2	3,107.09	1/2	3,007.64	1/2	2,799.55	1/2	2,523.26	1/2	2,246.97	1/2	1,970.68
3/4		3/4		3/4		3/4		3/4	3,105.02	3/4	3,005.57	3/4	2,793.80	3/4	2,517.51	3/4	2,241.22	3/4	1,964.93
7		7		7		7		7	3,102.95	7	3,003.50	7	2,788.04	7	2,511.75	7	2,235.46	7	1,959.17
1/4		1/4		1/4		1/4		1/4	3,100.88	1/4	3,001.42	1/4	2,782.29	1/4	2,506.00	1/4	2,229.71	1/4	1,953.42
1/2		1/2		1/2		1/2		1/2	3,098.81	1/2	2,999.35	1/2	2,776.53	1/2	2,500.24	1/2	2,223.95	1/2	1,947.66
3/4		3/4		3/4		3/4		3/4	3,096.74	3/4	2,997.22	3/4	2,770.77	3/4	2,494.48	3/4	2,218.19	3/4	1,941.91
8		8		8		8		8	3,094.67	8	2,995.09	8	2,765.02	8	2,488.73	8	2,212.44	8	1,936.15
1/4		1/4		1/4		1/4		1/4	3,092.60	1/4	2,992.95	1/4	2,759.26	1/4	2,482.97	1/4	2,206.68	1/4	1,930.40
1/2		1/2		1/2		1/2		1/2	3,090.52	1/2	2,990.82	1/2	2,753.50	1/2	2,477.21	1/2	2,200.92	1/2	1,924.64
3/4		3/4		3/4		3/4		3/4	3,088.45	3/4	2,988.23	3/4	2,747.75	3/4	2,471.46	3/4	2,195.17	3/4	1,918.88
9		9		9		9		9	3,086.38	9	2,985.64	9	2,741.99	9	2,465.70	9	2,189.41	9	1,913.13
1/4		1/4		1/4		1/4		1/4	3,084.30	1/4	2,983.04	1/4	2,736.24	1/4	2,459.95	1/4	2,183.66	1/4	1,907.37
1/2		1/2		1/2		1/2		1/2	3,082.23	1/2	2,980.45	1/2	2,730.48	1/2	2,454.19	1/2	2,177.90	1/2	1,901.61
3/4		3/4		3/4		3/4		3/4	3,080.16	3/4	2,977.26	3/4	2,724.72	3/4	2,448.43	3/4	2,172.15	3/4	1,895.86
10		10		10		10		10	3,078.09	10	2,974.07	10	2,718.97	10	2,442.68	10	2,166.39	10	1,890.10
1/4		1/4		1/4		1/4		1/4	3,076.01	1/4	2,970.88	1/4	2,713.21	1/4	2,436.92	1/4	2,160.64	1/4	1,884.35
1/2		1/2		1/2		1/2		1/2	3,073.94	1/2	2,967.69	1/2	2,707.45	1/2	2,431.16	1/2	2,154.88	1/2	1,878.59
3/4		3/4		3/4		3/4		3/4	3,071.87	3/4	2,963.86	3/4	2,701.70	3/4	2,425.41	3/4	2,149.12	3/4	1,872.83
11		11		11		11		11	3,069.80	11	2,960.03	11	2,695.94	11	2,419.65	11	2,143.37	11	1,867.08
1/4		1/4		1/4		1/4		1/4	3,067.72	1/4	2,956.19	1/4	2,690.19	1/4	2,413.90	1/4	2,137.61	1/4	1,861.32
1/2		1/2		1/2		1/2		1/2	3,065.65	1/2	2,952.36	1/2	2,684.43	1/2	2,408.14	1/2	2,131.85	1/2	1,855.56
3/4		3/4		3/4		3/4		3/4	3,063.58	3/4	2,947.89	3/4	2,678.68	3/4	2,402.39	3/4	2,126.10	3/4	1,849.81

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 10'-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 3052"

4 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	1,567.77	0	1,291.48	0	1,015.47	0	740.85	0	464.76	0	189.93	0		0		0		0	
1/4	1,562.01	1/4	1,285.72	1/4	1,009.76	1/4	735.09	1/4	459.00	1/4	184.36	1/4		1/4		1/4		1/4	
1/2	1,556.25	1/2	1,279.96	1/2	1,004.04	1/2	729.34	1/2	453.25	1/2	178.79	1/2		1/2		1/2		1/2	
3/4	1,550.50	3/4	1,274.21	3/4	998.32	3/4	723.59	3/4	447.50	3/4	173.22	3/4		3/4		3/4		3/4	
1	1,544.74	1	1,268.45	1	992.61	1	717.84	1	441.75	1	167.65	1		1		1		1	
1/4	1,538.99	1/4	1,262.70	1/4	986.89	1/4	712.09	1/4	435.99	1/4	162.08	1/4		1/4		1/4		1/4	
1/2	1,533.23	1/2	1,256.94	1/2	981.17	1/2	706.34	1/2	430.24	1/2	156.51	1/2		1/2		1/2		1/2	
3/4	1,527.47	3/4	1,251.19	3/4	975.46	3/4	700.59	3/4	424.49	3/4	150.94	3/4		3/4		3/4		3/4	
2	1,521.72	2	1,245.43	2	969.74	2	694.84	2	418.74	2	145.37	2		2		2		2	
1/4	1,515.96	1/4	1,239.68	1/4	964.03	1/4	689.08	1/4	412.98	1/4	139.80	1/4		1/4		1/4		1/4	
1/2	1,510.20	1/2	1,233.92	1/2	958.31	1/2	683.33	1/2	407.23	1/2	134.23	1/2		1/2		1/2		1/2	
3/4	1,504.45	3/4	1,228.16	3/4	952.59	3/4	677.58	3/4	401.48	3/4	128.66	3/4		3/4		3/4		3/4	
3	1,498.69	3	1,222.41	3	946.88	3	671.83	3	395.73	3	123.09	3		3		3		3	
1/4	1,492.94	1/4	1,216.65	1/4	941.16	1/4	666.07	1/4	389.97	1/4	117.52	1/4		1/4		1/4		1/4	
1/2	1,487.18	1/2	1,210.89	1/2	935.44	1/2	660.32	1/2	384.22	1/2	111.95	1/2		1/2		1/2		1/2	
3/4	1,481.43	3/4	1,205.14	3/4	929.73	3/4	654.57	3/4	378.47	3/4	106.34	3/4		3/4		3/4		3/4	
4	1,475.67	4	1,199.38	4	924.01	4	648.82	4	372.72	4	100.72	4		4		4		4	
1/4	1,469.92	1/4	1,193.63	1/4	918.30	1/4	643.06	1/4	366.97	1/4	95.11	1/4		1/4		1/4		1/4	
1/2	1,464.16	1/2	1,187.87	1/2	912.58	1/2	637.31	1/2	361.22	1/2	89.49	1/2		1/2		1/2		1/2	
3/4	1,458.40	3/4	1,182.11	3/4	906.87	3/4	631.56	3/4	355.47	3/4	83.74	3/4		3/4		3/4		3/4	
5	1,452.65	5	1,176.36	5	901.15	5	625.81	5	349.72	5	77.99	5		5		5		5	
1/4	1,446.89	1/4	1,170.60	1/4	895.44	1/4	620.05	1/4	343.96	1/4	72.23	1/4		1/4		1/4		1/4	
1/2	1,441.13	1/2	1,164.84	1/2	889.72	1/2	614.30	1/2	338.21	1/2	66.48	1/2		1/2		1/2		1/2	
3/4	1,435.38	3/4	1,159.09	3/4	884.00	3/4	608.55	3/4	332.46	3/4	60.73	3/4		3/4		3/4		3/4	
6	1,429.62	6	1,153.33	6	878.29	6	602.80	6	326.71	6	54.98	6		6		6		6	
1/4	1,423.87	1/4	1,147.58	1/4	872.57	1/4	597.05	1/4	320.95	1/4	49.22	1/4		1/4		1/4		1/4	
1/2	1,418.11	1/2	1,141.82	1/2	866.85	1/2	591.30	1/2	315.20	1/2	43.47	1/2		1/2		1/2		1/2	
3/4	1,412.35	3/4	1,136.07	3/4	861.14	3/4	585.55	3/4	309.45	3/4	38.63	3/4		3/4		3/4		3/4	
7	1,406.60	7	1,130.31	7	855.42	7	579.80	7	303.70	7	33.79	7		7		7		7	
1/4	1,400.84	1/4	1,124.56	1/4	849.71	1/4	574.04	1/4	297.94	1/4	28.95	1/4		1/4		1/4		1/4	
1/2	1,395.08	1/2	1,118.80	1/2	843.99	1/2	568.29	1/2	292.19	1/2	24.11	1/2		1/2		1/2		1/2	
3/4	1,389.33	3/4	1,113.04	3/4	838.27	3/4	562.54	3/4	286.44	3/4	20.66	3/4		3/4		3/4		3/4	
8	1,383.57	8	1,107.29	8	832.56	8	556.79	8	280.69	8		8		8		8		8	
1/4	1,377.82	1/4	1,101.53	1/4	826.84	1/4	551.03	1/4	274.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,372.06	1/2	1,095.77	1/2	821.12	1/2	545.28	1/2	269.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,366.31	3/4	1,090.02	3/4	815.41	3/4	539.53	3/4	263.44	3/4		3/4		3/4		3/4		3/4	
9	1,360.55	9	1,084.26	9	809.69	9	533.78	9	257.69	9		9		9		9		9	
1/4	1,354.80	1/4	1,078.51	1/4	803.98	1/4	528.02	1/4	251.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,349.04	1/2	1,072.75	1/2	798.26	1/2	522.27	1/2	246.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,343.28	3/4	1,067.00	3/4	792.54	3/4	516.52	3/4	240.47	3/4		3/4		3/4		3/4		3/4	
10	1,337.53	10	1,061.26	10	786.81	10	510.77	10	234.77	10		10		10		10		10	
1/4	1,331.77	1/4	1,055.51	1/4	781.09	1/4	505.01	1/4	229.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,326.01	1/2	1,049.76	1/2	775.36	1/2	499.26	1/2	223.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,320.26	3/4	1,044.05	3/4	769.61	3/4	493.51	3/4	217.78	3/4		3/4		3/4		3/4		3/4	
11	1,314.50	11	1,038.33	11	763.86	11	487.76	11	212.21	11		11		11		11		11	
1/4	1,308.75	1/4	1,032.62	1/4	758.10	1/4	482.01	1/4	206.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,302.99	1/2	1,026.90	1/2	752.35	1/2	476.26	1/2	201.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,297.23	3/4	1,021.19	3/4	746.60	3/4	470.51	3/4	195.50	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2006 INSP.
RECALCULATED: 07/06/2021 PMA
REPRINTED: 07/06/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

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



BARGE "MMI 3052"

4 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	3,061.51	0	2,943.42	0	2,672.92	0	2,396.63	0	2,120.34	0	1,844.05
1/4		1/4		1/4		1/4		1/4	3,059.44	1/4	2,938.94	1/4	2,667.17	1/4	2,390.88	1/4	2,114.59	1/4	1,838.30
1/2		1/2		1/2		1/2		1/2	3,057.37	1/2	2,934.47	1/2	2,661.41	1/2	2,385.12	1/2	2,108.83	1/2	1,832.54
3/4		3/4		3/4		3/4		3/4	3,149.17	3/4	3,055.30	3/4	2,929.36	3/4	2,655.65	3/4	2,379.36	3/4	1,826.79
1		1		1		1		1	3,053.23	1	2,924.25	1	2,649.90	1	2,373.61	1	2,077.32	1	1,821.03
1/4		1/4		1/4		1/4		1/4	3,146.83	1/4	3,051.15	1/4	2,919.13	1/4	2,644.14	1/4	2,091.56	1/4	1,815.28
1/2		1/2		1/2		1/2		1/2	3,145.65	1/2	3,049.08	1/2	2,914.02	1/2	2,638.38	1/2	2,085.80	1/2	1,809.52
3/4		3/4		3/4		3/4		3/4	3,144.12	3/4	3,047.01	3/4	2,908.43	3/4	2,632.63	3/4	2,080.05	3/4	1,803.76
2		2		2		2		2	3,142.59	2	3,044.94	2	2,902.84	2	2,626.87	2	2,074.29	2	1,798.01
1/4		1/4		1/4		1/4		1/4	3,141.06	1/4	3,042.86	1/4	2,897.24	1/4	2,621.12	1/4	2,068.54	1/4	1,792.25
1/2		1/2		1/2		1/2		1/2	3,139.53	1/2	3,040.79	1/2	2,891.65	1/2	2,615.36	1/2	2,062.78	1/2	1,786.49
3/4		3/4		3/4		3/4		3/4	3,137.64	3/4	3,038.72	3/4	2,885.89	3/4	2,609.60	3/4	2,057.03	3/4	1,780.74
3		3		3		3		3	3,135.75	3	3,036.65	3	2,880.14	3	2,603.85	3	2,051.27	3	1,774.98
1/4		1/4		1/4		1/4		1/4	3,133.86	1/4	3,034.57	1/4	2,874.38	1/4	2,598.09	1/4	2,045.52	1/4	1,769.23
1/2		1/2		1/2		1/2		1/2	3,131.96	1/2	3,032.50	1/2	2,868.62	1/2	2,592.33	1/2	2,039.76	1/2	1,763.47
3/4		3/4		3/4		3/4		3/4	3,129.89	3/4	3,030.43	3/4	2,862.87	3/4	2,586.58	3/4	2,034.00	3/4	1,757.71
4		4		4		4		4	3,127.82	4	3,028.36	4	2,857.11	4	2,580.82	4	2,028.25	4	1,751.96
1/4		1/4		1/4		1/4		1/4	3,125.75	1/4	3,026.28	1/4	2,851.36	1/4	2,575.07	1/4	2,022.49	1/4	1,746.20
1/2		1/2		1/2		1/2		1/2	3,123.67	1/2	3,024.21	1/2	2,845.60	1/2	2,569.31	1/2	2,016.73	1/2	1,740.44
3/4		3/4		3/4		3/4		3/4	3,121.60	3/4	3,022.14	3/4	2,839.84	3/4	2,563.55	3/4	2,010.98	3/4	1,734.69
5		5		5		5		5	3,119.53	5	3,020.07	5	2,834.09	5	2,557.80	5	2,005.22	5	1,728.93
1/4		1/4		1/4		1/4		1/4	3,117.46	1/4	3,018.00	1/4	2,828.33	1/4	2,552.04	1/4	2,000.00	1/4	1,723.18
1/2		1/2		1/2		1/2		1/2	3,115.38	1/2	3,015.93	1/2	2,822.57	1/2	2,546.28	1/2	1,993.71	1/2	1,717.42
3/4		3/4		3/4		3/4		3/4	3,113.31	3/4	3,013.86	3/4	2,816.82	3/4	2,540.53	3/4	1,987.95	3/4	1,711.67
6		6		6		6		6	3,111.24	6	3,011.79	6	2,811.06	6	2,534.77	6	1,982.20	6	1,705.91
1/4		1/4		1/4		1/4		1/4	3,109.17	1/4	3,009.71	1/4	2,805.31	1/4	2,529.02	1/4	1,976.44	1/4	1,700.16
1/2		1/2		1/2		1/2		1/2	3,107.09	1/2	3,007.64	1/2	2,799.55	1/2	2,523.26	1/2	1,970.68	1/2	1,694.40
3/4		3/4		3/4		3/4		3/4	3,105.02	3/4	3,005.57	3/4	2,793.80	3/4	2,517.51	3/4	1,964.93	3/4	1,688.64
7		7		7		7		7	3,102.95	7	3,003.50	7	2,788.04	7	2,511.75	7	1,959.17	7	1,682.89
1/4		1/4		1/4		1/4		1/4	3,100.88	1/4	3,001.42	1/4	2,782.29	1/4	2,506.00	1/4	1,953.42	1/4	1,677.13
1/2		1/2		1/2		1/2		1/2	3,098.81	1/2	2,999.35	1/2	2,776.53	1/2	2,500.24	1/2	1,947.66	1/2	1,671.37
3/4		3/4		3/4		3/4		3/4	3,096.74	3/4	2,997.22	3/4	2,770.77	3/4	2,494.48	3/4	1,941.91	3/4	1,665.62
8		8		8		8		8	3,094.67	8	2,995.09	8	2,765.02	8	2,488.73	8	1,936.15	8	1,659.86
1/4		1/4		1/4		1/4		1/4	3,092.60	1/4	2,992.95	1/4	2,759.26	1/4	2,482.97	1/4	1,930.40	1/4	1,654.11
1/2		1/2		1/2		1/2		1/2	3,090.52	1/2	2,990.82	1/2	2,753.50	1/2	2,477.21	1/2	1,924.64	1/2	1,648.35
3/4		3/4		3/4		3/4		3/4	3,088.45	3/4	2,988.23	3/4	2,747.75	3/4	2,471.46	3/4	1,918.88	3/4	1,642.59
9		9		9		9		9	3,086.38	9	2,985.64	9	2,741.99	9	2,465.70	9	1,913.13	9	1,636.84
1/4		1/4		1/4		1/4		1/4	3,084.30	1/4	2,983.04	1/4	2,736.24	1/4	2,459.95	1/4	1,907.37	1/4	1,631.08
1/2		1/2		1/2		1/2		1/2	3,082.23	1/2	2,980.45	1/2	2,730.48	1/2	2,454.19	1/2	1,901.61	1/2	1,625.32
3/4		3/4		3/4		3/4		3/4	3,080.16	3/4	2,977.26	3/4	2,724.72	3/4	2,448.43	3/4	1,895.86	3/4	1,619.57
10		10		10		10		10	3,078.09	10	2,974.07	10	2,718.97	10	2,442.68	10	1,890.10	10	1,613.81
1/4		1/4		1/4		1/4		1/4	3,076.01	1/4	2,970.88	1/4	2,713.21	1/4	2,436.92	1/4	1,884.35	1/4	1,608.06
1/2		1/2		1/2		1/2		1/2	3,073.94	1/2	2,967.69	1/2	2,707.45	1/2	2,431.16	1/2	1,878.59	1/2	1,602.30
3/4		3/4		3/4		3/4		3/4	3,071.87	3/4	2,963.86	3/4	2,701.70	3/4	2,425.41	3/4	1,872.83	3/4	1,596.55
11		11		11		11		11	3,069.80	11	2,960.03	11	2,695.94	11	2,419.65	11	1,867.08	11	1,590.79
1/4		1/4		1/4		1/4		1/4	3,067.72	1/4	2,956.19	1/4	2,690.19	1/4	2,413.90	1/4	1,861.32	1/4	1,585.04
1/2		1/2		1/2		1/2		1/2	3,065.65	1/2	2,952.36	1/2	2,684.43	1/2	2,408.14	1/2	1,855.56	1/2	1,579.28
3/4		3/4		3/4		3/4		3/4	3,063.58	3/4	2,947.89	3/4	2,678.68	3/4	2,402.39	3/4	1,849.81	3/4	1,573.52

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 10'-09" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "MMI 3052"

4 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	1,567.77	0	1,291.48	0	1,015.47	0	740.85	0	464.76	0	189.93	0		0		0		0	
1/4	1,562.01	1/4	1,285.72	1/4	1,009.76	1/4	735.09	1/4	459.00	1/4	184.36	1/4		1/4		1/4		1/4	
1/2	1,556.25	1/2	1,279.96	1/2	1,004.04	1/2	729.34	1/2	453.25	1/2	178.79	1/2		1/2		1/2		1/2	
3/4	1,550.50	3/4	1,274.21	3/4	998.32	3/4	723.59	3/4	447.50	3/4	173.22	3/4		3/4		3/4		3/4	
1	1,544.74	1	1,268.45	1	992.61	1	717.84	1	441.75	1	167.65	1		1		1		1	
1/4	1,538.99	1/4	1,262.70	1/4	986.89	1/4	712.09	1/4	435.99	1/4	162.08	1/4		1/4		1/4		1/4	
1/2	1,533.23	1/2	1,256.94	1/2	981.17	1/2	706.34	1/2	430.24	1/2	156.51	1/2		1/2		1/2		1/2	
3/4	1,527.47	3/4	1,251.19	3/4	975.46	3/4	700.59	3/4	424.49	3/4	150.94	3/4		3/4		3/4		3/4	
2	1,521.72	2	1,245.43	2	969.74	2	694.84	2	418.74	2	145.37	2		2		2		2	
1/4	1,515.96	1/4	1,239.68	1/4	964.03	1/4	689.08	1/4	412.98	1/4	139.80	1/4		1/4		1/4		1/4	
1/2	1,510.20	1/2	1,233.92	1/2	958.31	1/2	683.33	1/2	407.23	1/2	134.23	1/2		1/2		1/2		1/2	
3/4	1,504.45	3/4	1,228.16	3/4	952.59	3/4	677.58	3/4	401.48	3/4	128.66	3/4		3/4		3/4		3/4	
3	1,498.69	3	1,222.41	3	946.88	3	671.83	3	395.73	3	123.09	3		3		3		3	
1/4	1,492.94	1/4	1,216.65	1/4	941.16	1/4	666.07	1/4	389.97	1/4	117.52	1/4		1/4		1/4		1/4	
1/2	1,487.18	1/2	1,210.89	1/2	935.44	1/2	660.32	1/2	384.22	1/2	111.95	1/2		1/2		1/2		1/2	
3/4	1,481.43	3/4	1,205.14	3/4	929.73	3/4	654.57	3/4	378.47	3/4	106.34	3/4		3/4		3/4		3/4	
4	1,475.67	4	1,199.38	4	924.01	4	648.82	4	372.72	4	100.72	4		4		4		4	
1/4	1,469.92	1/4	1,193.63	1/4	918.30	1/4	643.06	1/4	366.97	1/4	95.11	1/4		1/4		1/4		1/4	
1/2	1,464.16	1/2	1,187.87	1/2	912.58	1/2	637.31	1/2	361.22	1/2	89.49	1/2		1/2		1/2		1/2	
3/4	1,458.40	3/4	1,182.11	3/4	906.87	3/4	631.56	3/4	355.47	3/4	83.74	3/4		3/4		3/4		3/4	
5	1,452.65	5	1,176.36	5	901.15	5	625.81	5	349.72	5	77.99	5		5		5		5	
1/4	1,446.89	1/4	1,170.60	1/4	895.44	1/4	620.05	1/4	343.96	1/4	72.23	1/4		1/4		1/4		1/4	
1/2	1,441.13	1/2	1,164.84	1/2	889.72	1/2	614.30	1/2	338.21	1/2	66.48	1/2		1/2		1/2		1/2	
3/4	1,435.38	3/4	1,159.09	3/4	884.00	3/4	608.55	3/4	332.46	3/4	60.73	3/4		3/4		3/4		3/4	
6	1,429.62	6	1,153.33	6	878.29	6	602.80	6	326.71	6	54.98	6		6		6		6	
1/4	1,423.87	1/4	1,147.58	1/4	872.57	1/4	597.05	1/4	320.95	1/4	49.22	1/4		1/4		1/4		1/4	
1/2	1,418.11	1/2	1,141.82	1/2	866.85	1/2	591.30	1/2	315.20	1/2	43.47	1/2		1/2		1/2		1/2	
3/4	1,412.35	3/4	1,136.07	3/4	861.14	3/4	585.55	3/4	309.45	3/4	38.63	3/4		3/4		3/4		3/4	
7	1,406.60	7	1,130.31	7	855.42	7	579.80	7	303.70	7	33.79	7		7		7		7	
1/4	1,400.84	1/4	1,124.56	1/4	849.71	1/4	574.04	1/4	297.94	1/4	28.95	1/4		1/4		1/4		1/4	
1/2	1,395.08	1/2	1,118.80	1/2	843.99	1/2	568.29	1/2	292.19	1/2	24.11	1/2		1/2		1/2		1/2	
3/4	1,389.33	3/4	1,113.04	3/4	838.27	3/4	562.54	3/4	286.44	3/4	20.66	3/4		3/4		3/4		3/4	
8	1,383.57	8	1,107.29	8	832.56	8	556.79	8	280.69	8		8		8		8		8	
1/4	1,377.82	1/4	1,101.53	1/4	826.84	1/4	551.03	1/4	274.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,372.06	1/2	1,095.77	1/2	821.12	1/2	545.28	1/2	269.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,366.31	3/4	1,090.02	3/4	815.41	3/4	539.53	3/4	263.44	3/4		3/4		3/4		3/4		3/4	
9	1,360.55	9	1,084.26	9	809.69	9	533.78	9	257.69	9		9		9		9		9	
1/4	1,354.80	1/4	1,078.51	1/4	803.98	1/4	528.02	1/4	251.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,349.04	1/2	1,072.75	1/2	798.26	1/2	522.27	1/2	246.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,343.28	3/4	1,067.00	3/4	792.54	3/4	516.52	3/4	240.47	3/4		3/4		3/4		3/4		3/4	
10	1,337.53	10	1,061.26	10	786.81	10	510.77	10	234.77	10		10		10		10		10	
1/4	1,331.77	1/4	1,055.51	1/4	781.09	1/4	505.01	1/4	229.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,326.01	1/2	1,049.76	1/2	775.36	1/2	499.26	1/2	223.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,320.26	3/4	1,044.05	3/4	769.61	3/4	493.51	3/4	217.78	3/4		3/4		3/4		3/4		3/4	
11	1,314.50	11	1,038.33	11	763.86	11	487.76	11	212.21	11		11		11		11		11	
1/4	1,308.75	1/4	1,032.62	1/4	758.10	1/4	482.01	1/4	206.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,302.99	1/2	1,026.90	1/2	752.35	1/2	476.26	1/2	201.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,297.23	3/4	1,021.19	3/4	746.60	3/4	470.51	3/4	195.50	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2006 INSP.
RECALCULATED: 07/06/2021 PMA
REPRINTED: 07/06/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

PRECISION MEASUREMENT
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BARGE "MMI 3052"

INNAGE TRIM TABLE (2" STANDPIPE)

	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	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4	- 02-1/8	02-1/8
1 STBD	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4	- 02-1/8	02-1/8
2 PORT	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4	- 02-1/8	02-1/8
2 STBD	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4	- 02-1/8	02-1/8
3 PORT	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4
3 STBD	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4
4 PORT	- 00-3/4	00-3/4	- 01-3/8	01-3/8	- 02-1/8	02-1/8	- 02-7/8	02-7/8	- 03-5/8	03-5/8	- 04-1/4	04-1/4
4 STBD	- 00-3/4	00-3/4	- 01-3/8	01-3/8	- 02-1/8	02-1/8	- 02-7/8	02-7/8	- 03-5/8	03-5/8	- 04-1/4	04-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

July 6, 2021

PRECISION MEASUREMENT
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BARGE "MMI 3052"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	19.13	0	264.48	0	519.65	0	774.48	0	1,027.99	0	1,281.43	0	1,534.87	0	1,788.31	0	2,041.75	0	2,295.19
1/4	22.32	1/4	269.80	1/4	524.96	1/4	779.76	1/4	1,033.27	1/4	1,286.71	1/4	1,540.15	1/4	1,793.59	1/4	2,047.03	1/4	2,300.47
1/2	26.79	1/2	275.12	1/2	530.28	1/2	785.04	1/2	1,038.55	1/2	1,291.99	1/2	1,545.43	1/2	1,798.87	1/2	2,052.31	1/2	2,305.75
3/4	31.27	3/4	280.43	3/4	535.60	3/4	790.33	3/4	1,043.83	3/4	1,297.27	3/4	1,550.71	3/4	1,804.15	3/4	2,057.59	3/4	2,311.03
1	35.74	1	285.75	1	540.91	1	795.61	1	1,049.11	1	1,302.55	1	1,555.99	1	1,809.43	1	2,062.87	1	2,316.31
1/4	40.21	1/4	291.06	1/4	546.23	1/4	800.89	1/4	1,054.39	1/4	1,307.83	1/4	1,561.27	1/4	1,814.71	1/4	2,068.15	1/4	2,321.59
1/2	45.53	1/2	296.38	1/2	551.55	1/2	806.17	1/2	1,059.67	1/2	1,313.11	1/2	1,566.55	1/2	1,819.99	1/2	2,073.43	1/2	2,326.87
3/4	50.85	3/4	301.69	3/4	556.86	3/4	811.45	3/4	1,064.95	3/4	1,318.39	3/4	1,571.83	3/4	1,825.27	3/4	2,078.71	3/4	2,332.15
2	56.16	2	307.01	2	562.18	2	816.73	2	1,070.23	2	1,323.67	2	1,577.11	2	1,830.55	2	2,083.99	2	2,337.43
1/4	61.48	1/4	312.32	1/4	567.49	1/4	822.01	1/4	1,075.51	1/4	1,328.95	1/4	1,582.39	1/4	1,835.83	1/4	2,089.27	1/4	2,342.71
1/2	66.80	1/2	317.64	1/2	572.81	1/2	827.29	1/2	1,080.79	1/2	1,334.23	1/2	1,587.67	1/2	1,841.11	1/2	2,094.55	1/2	2,347.99
3/4	72.11	3/4	322.96	3/4	578.13	3/4	832.58	3/4	1,086.07	3/4	1,339.51	3/4	1,592.95	3/4	1,846.39	3/4	2,099.83	3/4	2,353.27
3	77.43	3	328.27	3	583.44	3	837.86	3	1,091.35	3	1,344.79	3	1,598.23	3	1,851.67	3	2,105.11	3	2,358.55
1/4	82.74	1/4	333.59	1/4	588.76	1/4	843.14	1/4	1,096.63	1/4	1,350.07	1/4	1,603.51	1/4	1,856.95	1/4	2,110.39	1/4	2,363.83
1/2	87.92	1/2	338.91	1/2	594.08	1/2	848.42	1/2	1,101.91	1/2	1,355.35	1/2	1,608.79	1/2	1,862.23	1/2	2,115.67	1/2	2,369.11
3/4	93.10	3/4	344.22	3/4	599.39	3/4	853.71	3/4	1,107.19	3/4	1,360.63	3/4	1,614.07	3/4	1,867.51	3/4	2,120.95	3/4	2,374.39
4	98.28	4	349.54	4	604.71	4	858.99	4	1,112.47	4	1,365.91	4	1,619.35	4	1,872.79	4	2,126.23	4	2,379.67
1/4	103.46	1/4	354.85	1/4	610.02	1/4	864.27	1/4	1,117.75	1/4	1,371.19	1/4	1,624.63	1/4	1,878.07	1/4	2,131.51	1/4	2,384.95
1/2	108.60	1/2	360.17	1/2	615.34	1/2	869.55	1/2	1,123.03	1/2	1,376.47	1/2	1,629.91	1/2	1,883.35	1/2	2,136.79	1/2	2,390.23
3/4	113.74	3/4	365.49	3/4	620.65	3/4	874.84	3/4	1,128.31	3/4	1,381.75	3/4	1,635.19	3/4	1,888.63	3/4	2,142.07	3/4	2,395.51
5	118.87	5	370.80	5	625.97	5	880.12	5	1,133.59	5	1,387.03	5	1,640.47	5	1,893.91	5	2,147.35	5	2,400.79
1/4	124.01	1/4	376.12	1/4	631.28	1/4	885.40	1/4	1,138.87	1/4	1,392.31	1/4	1,645.75	1/4	1,899.19	1/4	2,152.63	1/4	2,406.07
1/2	129.15	1/2	381.44	1/2	636.60	1/2	890.68	1/2	1,144.15	1/2	1,397.59	1/2	1,651.03	1/2	1,904.47	1/2	2,157.91	1/2	2,411.35
3/4	134.28	3/4	386.75	3/4	641.92	3/4	895.97	3/4	1,149.43	3/4	1,402.87	3/4	1,656.31	3/4	1,909.75	3/4	2,163.19	3/4	2,416.63
6	139.42	6	392.07	6	647.23	6	901.25	6	1,154.71	6	1,408.15	6	1,661.59	6	1,915.03	6	2,168.47	6	2,421.91
1/4	144.55	1/4	397.38	1/4	652.55	1/4	906.53	1/4	1,159.99	1/4	1,413.43	1/4	1,666.87	1/4	1,920.31	1/4	2,173.75	1/4	2,427.19
1/2	149.69	1/2	402.70	1/2	657.87	1/2	911.81	1/2	1,165.27	1/2	1,418.71	1/2	1,672.15	1/2	1,925.59	1/2	2,179.03	1/2	2,432.47
3/4	154.83	3/4	408.01	3/4	663.18	3/4	917.09	3/4	1,170.55	3/4	1,423.99	3/4	1,677.43	3/4	1,930.87	3/4	2,184.31	3/4	2,437.75
7	159.96	7	413.33	7	668.50	7	922.37	7	1,175.83	7	1,429.27	7	1,682.71	7	1,936.15	7	2,189.59	7	2,443.03
1/4	165.10	1/4	418.64	1/4	673.81	1/4	927.65	1/4	1,181.11	1/4	1,434.55	1/4	1,687.99	1/4	1,941.43	1/4	2,194.87	1/4	2,448.31
1/2	170.24	1/2	423.96	1/2	679.13	1/2	932.93	1/2	1,186.39	1/2	1,439.83	1/2	1,693.27	1/2	1,946.71	1/2	2,200.15	1/2	2,453.59
3/4	175.37	3/4	429.28	3/4	684.45	3/4	938.22	3/4	1,191.67	3/4	1,445.11	3/4	1,698.55	3/4	1,951.99	3/4	2,205.43	3/4	2,458.87
8	180.51	8	434.59	8	689.76	8	943.50	8	1,196.95	8	1,450.39	8	1,703.83	8	1,957.27	8	2,210.71	8	2,464.15
1/4	185.64	1/4	439.91	1/4	695.08	1/4	948.78	1/4	1,202.23	1/4	1,455.67	1/4	1,709.11	1/4	1,962.55	1/4	2,215.99	1/4	2,469.43
1/2	190.78	1/2	445.23	1/2	700.40	1/2	954.06	1/2	1,207.51	1/2	1,460.95	1/2	1,714.39	1/2	1,967.83	1/2	2,221.27	1/2	2,474.71
3/4	195.91	3/4	450.54	3/4	705.71	3/4	959.35	3/4	1,212.79	3/4	1,466.23	3/4	1,719.67	3/4	1,973.11	3/4	2,226.55	3/4	2,479.99
9	201.05	9	455.86	9	711.03	9	964.63	9	1,218.07	9	1,471.51	9	1,724.95	9	1,978.39	9	2,231.83	9	2,485.27
1/4	206.18	1/4	461.17	1/4	716.34	1/4	969.91	1/4	1,223.35	1/4	1,476.79	1/4	1,730.23	1/4	1,983.67	1/4	2,237.11	1/4	2,490.55
1/2	211.45	1/2	466.49	1/2	721.63	1/2	975.19	1/2	1,228.63	1/2	1,482.07	1/2	1,735.51	1/2	1,988.95	1/2	2,242.39	1/2	2,495.83
3/4	216.73	3/4	471.81	3/4	726.92	3/4	980.47	3/4	1,233.91	3/4	1,487.35	3/4	1,740.79	3/4	1,994.23	3/4	2,247.67	3/4	2,501.11
10	222.00	10	477.12	10	732.21	10	985.75	10	1,239.19	10	1,492.63	10	1,746.07	10	1,999.51	10	2,252.95	10	2,506.39
1/4	227.27	1/4	482.44	1/4	737.50	1/4	991.03	1/4	1,244.47	1/4	1,497.91	1/4	1,751.35	1/4	2,004.79	1/4	2,258.23	1/4	2,511.67
1/2	232.59	1/2	487.76	1/2	742.78	1/2	996.31	1/2	1,249.75	1/2	1,503.19	1/2	1,756.63	1/2	2,010.07	1/2	2,263.51	1/2	2,516.95
3/4	237.90	3/4	493.07	3/4	748.07	3/4	1,001.59	3/4	1,255.03	3/4	1,508.47	3/4	1,761.91	3/4	2,015.35	3/4	2,268.79	3/4	2,522.23
11	243.22	11	498.39	11	753.35	11	1,006.87	11	1,260.31	11	1,513.75	11	1,767.19	11	2,020.63	11	2,274.07	11	2,527.51
1/4	248.53	1/4	503.70	1/4	758.63	1/4	1,012.15	1/4	1,265.59	1/4	1,519.03	1/4	1,772.47	1/4	2,025.91	1/4	2,279.35	1/4	2,532.79
1/2	253.85	1/2	509.02	1/2	763.91	1/2	1,017.43	1/2	1,270.87	1/2	1,524.31	1/2	1,777.75	1/2	2,031.19	1/2	2,284.63	1/2	2,538.07
3/4	259.17	3/4	514.33	3/4	769.20	3/4	1,022.71	3/4	1,276.15	3/4	1,529.59	3/4	1,783.03	3/4	2,036.47	3/4	2,289.91	3/4	2,543.35

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 INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 10'-09" OFF CENTERLINE AND 41'-03" 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 3052"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	2,548.63	0	2,802.07	0	3,055.51	0		0		0		0		0		0		0	
1/4	2,553.91	1/4	2,807.35	1/4	3,060.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,559.19	1/2	2,812.63	1/2	3,066.07	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,564.47	3/4	2,817.91	3/4	3,071.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,569.75	1	2,823.19	1	3,076.63	1		1		1		1		1		1		1	
1/4	2,575.03	1/4	2,828.47	1/4	3,081.91	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,580.31	1/2	2,833.75	1/2	3,087.19	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,585.59	3/4	2,839.03	3/4	3,092.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,590.87	2	2,844.31	2	3,097.75	2		2		2		2		2		2		2	
1/4	2,596.15	1/4	2,849.59	1/4	3,103.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,601.43	1/2	2,854.87	1/2	3,108.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,606.71	3/4	2,860.15	3/4	3,113.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,611.99	3	2,865.43	3	3,118.87	3		3		3		3		3		3		3	
1/4	2,617.27	1/4	2,870.71	1/4	3,124.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,622.55	1/2	2,875.99	1/2	3,129.43	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,627.83	3/4	2,881.27	3/4	3,134.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,633.11	4	2,886.55	4	3,139.99	4		4		4		4		4		4		4	
1/4	2,638.39	1/4	2,891.83	1/4	3,145.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,643.67	1/2	2,897.11	1/2	3,150.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,648.95	3/4	2,902.39	3/4	3,155.83	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,654.23	5	2,907.67	5	3,159.84	5		5		5		5		5		5		5	
1/4	2,659.51	1/4	2,912.95	1/4	3,164.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,664.79	1/2	2,918.23	1/2	3,168.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,670.07	3/4	2,923.51	3/4	3,172.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,675.35	6	2,928.79	6	3,176.48	6		6		6		6		6		6		6	
1/4	2,680.63	1/4	2,934.07	1/4	3,180.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,685.91	1/2	2,939.35	1/2	3,183.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,691.19	3/4	2,944.63	3/4	3,186.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,696.47	7	2,949.91	7	3,189.43	7		7		7		7		7		7		7	
1/4	2,701.75	1/4	2,955.19	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,707.03	1/2	2,960.47	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,712.31	3/4	2,965.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,717.59	8	2,971.03	8		8		8		8		8		8		8		8	
1/4	2,722.87	1/4	2,976.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,728.15	1/2	2,981.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,733.43	3/4	2,986.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,738.71	9	2,992.15	9		9		9		9		9		9		9		9	
1/4	2,743.99	1/4	2,997.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,749.27	1/2	3,002.71	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,754.55	3/4	3,007.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,759.83	10	3,013.27	10		10		10		10		10		10		10		10	
1/4	2,765.11	1/4	3,018.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,770.39	1/2	3,023.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,775.67	3/4	3,029.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,780.95	11	3,034.39	11		11		11		11		11		11		11		11	
1/4	2,786.23	1/4	3,039.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,791.51	1/2	3,044.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,796.79	3/4	3,050.23	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2006 INSP.
RECALCULATED: 07/06/2021 PMA
REPRINTED: 07/06/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

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



BARGE "MMI 3052"

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	19.13	0	264.48	0	519.65	0	774.48	0	1,027.99	0	1,281.43	0	1,534.87	0	1,788.31	0	2,041.75	0	2,295.19
1/4	22.32	1/4	269.80	1/4	524.96	1/4	779.76	1/4	1,033.27	1/4	1,286.71	1/4	1,540.15	1/4	1,793.59	1/4	2,047.03	1/4	2,300.47
1/2	26.79	1/2	275.12	1/2	530.28	1/2	785.04	1/2	1,038.55	1/2	1,291.99	1/2	1,545.43	1/2	1,798.87	1/2	2,052.31	1/2	2,305.75
3/4	31.27	3/4	280.43	3/4	535.60	3/4	790.33	3/4	1,043.83	3/4	1,297.27	3/4	1,550.71	3/4	1,804.15	3/4	2,057.59	3/4	2,311.03
1	35.74	1	285.75	1	540.91	1	795.61	1	1,049.11	1	1,302.55	1	1,555.99	1	1,809.43	1	2,062.87	1	2,316.31
1/4	40.21	1/4	291.06	1/4	546.23	1/4	800.89	1/4	1,054.39	1/4	1,307.83	1/4	1,561.27	1/4	1,814.71	1/4	2,068.15	1/4	2,321.59
1/2	45.53	1/2	296.38	1/2	551.55	1/2	806.17	1/2	1,059.67	1/2	1,313.11	1/2	1,566.55	1/2	1,819.99	1/2	2,073.43	1/2	2,326.87
3/4	50.85	3/4	301.69	3/4	556.86	3/4	811.45	3/4	1,064.95	3/4	1,318.39	3/4	1,571.83	3/4	1,825.27	3/4	2,078.71	3/4	2,332.15
2	56.16	2	307.01	2	562.18	2	816.73	2	1,070.23	2	1,323.67	2	1,577.11	2	1,830.55	2	2,083.99	2	2,337.43
1/4	61.48	1/4	312.32	1/4	567.49	1/4	822.01	1/4	1,075.51	1/4	1,328.95	1/4	1,582.39	1/4	1,835.83	1/4	2,089.27	1/4	2,342.71
1/2	66.80	1/2	317.64	1/2	572.81	1/2	827.29	1/2	1,080.79	1/2	1,334.23	1/2	1,587.67	1/2	1,841.11	1/2	2,094.55	1/2	2,347.99
3/4	72.11	3/4	322.96	3/4	578.13	3/4	832.58	3/4	1,086.07	3/4	1,339.51	3/4	1,592.95	3/4	1,846.39	3/4	2,099.83	3/4	2,353.27
3	77.43	3	328.27	3	583.44	3	837.86	3	1,091.35	3	1,344.79	3	1,598.23	3	1,851.67	3	2,105.11	3	2,358.55
1/4	82.74	1/4	333.59	1/4	588.76	1/4	843.14	1/4	1,096.63	1/4	1,350.07	1/4	1,603.51	1/4	1,856.95	1/4	2,110.39	1/4	2,363.83
1/2	87.92	1/2	338.91	1/2	594.08	1/2	848.42	1/2	1,101.91	1/2	1,355.35	1/2	1,608.79	1/2	1,862.23	1/2	2,115.67	1/2	2,369.11
3/4	93.10	3/4	344.22	3/4	599.39	3/4	853.71	3/4	1,107.19	3/4	1,360.63	3/4	1,614.07	3/4	1,867.51	3/4	2,120.95	3/4	2,374.39
4	98.28	4	349.54	4	604.71	4	858.99	4	1,112.47	4	1,365.91	4	1,619.35	4	1,872.79	4	2,126.23	4	2,379.67
1/4	103.46	1/4	354.85	1/4	610.02	1/4	864.27	1/4	1,117.75	1/4	1,371.19	1/4	1,624.63	1/4	1,878.07	1/4	2,131.51	1/4	2,384.95
1/2	108.60	1/2	360.17	1/2	615.34	1/2	869.55	1/2	1,123.03	1/2	1,376.47	1/2	1,629.91	1/2	1,883.35	1/2	2,136.79	1/2	2,390.23
3/4	113.74	3/4	365.49	3/4	620.65	3/4	874.84	3/4	1,128.31	3/4	1,381.75	3/4	1,635.19	3/4	1,888.63	3/4	2,142.07	3/4	2,395.51
5	118.87	5	370.80	5	625.97	5	880.12	5	1,133.59	5	1,387.03	5	1,640.47	5	1,893.91	5	2,147.35	5	2,400.79
1/4	124.01	1/4	376.12	1/4	631.28	1/4	885.40	1/4	1,138.87	1/4	1,392.31	1/4	1,645.75	1/4	1,899.19	1/4	2,152.63	1/4	2,406.07
1/2	129.15	1/2	381.44	1/2	636.60	1/2	890.68	1/2	1,144.15	1/2	1,397.59	1/2	1,651.03	1/2	1,904.47	1/2	2,157.91	1/2	2,411.35
3/4	134.28	3/4	386.75	3/4	641.92	3/4	895.97	3/4	1,149.43	3/4	1,402.87	3/4	1,656.31	3/4	1,909.75	3/4	2,163.19	3/4	2,416.63
6	139.42	6	392.07	6	647.23	6	901.25	6	1,154.71	6	1,408.15	6	1,661.59	6	1,915.03	6	2,168.47	6	2,421.91
1/4	144.55	1/4	397.38	1/4	652.55	1/4	906.53	1/4	1,159.99	1/4	1,413.43	1/4	1,666.87	1/4	1,920.31	1/4	2,173.75	1/4	2,427.19
1/2	149.69	1/2	402.70	1/2	657.87	1/2	911.81	1/2	1,165.27	1/2	1,418.71	1/2	1,672.15	1/2	1,925.59	1/2	2,179.03	1/2	2,432.47
3/4	154.83	3/4	408.01	3/4	663.18	3/4	917.09	3/4	1,170.55	3/4	1,423.99	3/4	1,677.43	3/4	1,930.87	3/4	2,184.31	3/4	2,437.75
7	159.96	7	413.33	7	668.50	7	922.37	7	1,175.83	7	1,429.27	7	1,682.71	7	1,936.15	7	2,189.59	7	2,443.03
1/4	165.10	1/4	418.64	1/4	673.81	1/4	927.65	1/4	1,181.11	1/4	1,434.55	1/4	1,687.99	1/4	1,941.43	1/4	2,194.87	1/4	2,448.31
1/2	170.24	1/2	423.96	1/2	679.13	1/2	932.93	1/2	1,186.39	1/2	1,439.83	1/2	1,693.27	1/2	1,946.71	1/2	2,200.15	1/2	2,453.59
3/4	175.37	3/4	429.28	3/4	684.45	3/4	938.22	3/4	1,191.67	3/4	1,445.11	3/4	1,698.55	3/4	1,951.99	3/4	2,205.43	3/4	2,458.87
8	180.51	8	434.59	8	689.76	8	943.50	8	1,196.95	8	1,450.39	8	1,703.83	8	1,957.27	8	2,210.71	8	2,464.15
1/4	185.64	1/4	439.91	1/4	695.08	1/4	948.78	1/4	1,202.23	1/4	1,455.67	1/4	1,709.11	1/4	1,962.55	1/4	2,215.99	1/4	2,469.43
1/2	190.78	1/2	445.23	1/2	700.40	1/2	954.06	1/2	1,207.51	1/2	1,460.95	1/2	1,714.39	1/2	1,967.83	1/2	2,221.27	1/2	2,474.71
3/4	195.91	3/4	450.54	3/4	705.71	3/4	959.35	3/4	1,212.79	3/4	1,466.23	3/4	1,719.67	3/4	1,973.11	3/4	2,226.55	3/4	2,479.99
9	201.05	9	455.86	9	711.03	9	964.63	9	1,218.07	9	1,471.51	9	1,724.95	9	1,978.39	9	2,231.83	9	2,485.27
1/4	206.18	1/4	461.17	1/4	716.34	1/4	969.91	1/4	1,223.35	1/4	1,476.79	1/4	1,730.23	1/4	1,983.67	1/4	2,237.11	1/4	2,490.55
1/2	211.45	1/2	466.49	1/2	721.63	1/2	975.19	1/2	1,228.63	1/2	1,482.07	1/2	1,735.51	1/2	1,988.95	1/2	2,242.39	1/2	2,495.83
3/4	216.73	3/4	471.81	3/4	726.92	3/4	980.47	3/4	1,233.91	3/4	1,487.35	3/4	1,740.79	3/4	1,994.23	3/4	2,247.67	3/4	2,501.11
10	222.00	10	477.12	10	732.21	10	985.75	10	1,239.19	10	1,492.63	10	1,746.07	10	1,999.51	10	2,252.95	10	2,506.39
1/4	227.27	1/4	482.44	1/4	737.50	1/4	991.03	1/4	1,244.47	1/4	1,497.91	1/4	1,751.35	1/4	2,004.79	1/4	2,258.23	1/4	2,511.67
1/2	232.59	1/2	487.76	1/2	742.78	1/2	996.31	1/2	1,249.75	1/2	1,503.19	1/2	1,756.63	1/2	2,010.07	1/2	2,263.51	1/2	2,516.95
3/4	237.90	3/4	493.07	3/4	748.07	3/4	1,001.59	3/4	1,255.03	3/4	1,508.47	3/4	1,761.91	3/4	2,015.35	3/4	2,268.79	3/4	2,522.23
11	243.22	11	498.39	11	753.35	11	1,006.87	11	1,260.31	11	1,513.75	11	1,767.19	11	2,020.63	11	2,274.07	11	2,527.51
1/4	248.53	1/4	503.70	1/4	758.63	1/4	1,012.15	1/4	1,265.59	1/4	1,519.03	1/4	1,772.47	1/4	2,025.91	1/4	2,279.35	1/4	2,532.79
1/2	253.85	1/2	509.02	1/2	763.91	1/2	1,017.43	1/2	1,270.87	1/2	1,524.31	1/2	1,777.75	1/2	2,031.19	1/2	2,284.63	1/2	2,538.07
3/4	259.17	3/4	514.33	3/4	769.20	3/4	1,022.71	3/4	1,276.15	3/4	1,529.59	3/4	1,783.03	3/4	2,036.47	3/4	2,289.91	3/4	2,543.35

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 INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.

GAUGE POINT: (2" STANDPIPE) LOCATED 10'-09" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "MMI 3052"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	2,548.63	0	2,802.07	0	3,055.51	0		0		0		0		0		0		0	
1/4	2,553.91	1/4	2,807.35	1/4	3,060.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,559.19	1/2	2,812.63	1/2	3,066.07	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,564.47	3/4	2,817.91	3/4	3,071.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,569.75	1	2,823.19	1	3,076.63	1		1		1		1		1		1		1	
1/4	2,575.03	1/4	2,828.47	1/4	3,081.91	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,580.31	1/2	2,833.75	1/2	3,087.19	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,585.59	3/4	2,839.03	3/4	3,092.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,590.87	2	2,844.31	2	3,097.75	2		2		2		2		2		2		2	
1/4	2,596.15	1/4	2,849.59	1/4	3,103.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,601.43	1/2	2,854.87	1/2	3,108.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,606.71	3/4	2,860.15	3/4	3,113.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,611.99	3	2,865.43	3	3,118.87	3		3		3		3		3		3		3	
1/4	2,617.27	1/4	2,870.71	1/4	3,124.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,622.55	1/2	2,875.99	1/2	3,129.43	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,627.83	3/4	2,881.27	3/4	3,134.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,633.11	4	2,886.55	4	3,139.99	4		4		4		4		4		4		4	
1/4	2,638.39	1/4	2,891.83	1/4	3,145.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,643.67	1/2	2,897.11	1/2	3,150.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,648.95	3/4	2,902.39	3/4	3,155.83	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,654.23	5	2,907.67	5	3,159.84	5		5		5		5		5		5		5	
1/4	2,659.51	1/4	2,912.95	1/4	3,164.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,664.79	1/2	2,918.23	1/2	3,168.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,670.07	3/4	2,923.51	3/4	3,172.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,675.35	6	2,928.79	6	3,176.48	6		6		6		6		6		6		6	
1/4	2,680.63	1/4	2,934.07	1/4	3,180.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,685.91	1/2	2,939.35	1/2	3,183.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,691.19	3/4	2,944.63	3/4	3,186.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,696.47	7	2,949.91	7	3,189.43	7		7		7		7		7		7		7	
1/4	2,701.75	1/4	2,955.19	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,707.03	1/2	2,960.47	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,712.31	3/4	2,965.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,717.59	8	2,971.03	8		8		8		8		8		8		8		8	
1/4	2,722.87	1/4	2,976.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,728.15	1/2	2,981.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,733.43	3/4	2,986.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,738.71	9	2,992.15	9		9		9		9		9		9		9		9	
1/4	2,743.99	1/4	2,997.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,749.27	1/2	3,002.71	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,754.55	3/4	3,007.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,759.83	10	3,013.27	10		10		10		10		10		10		10		10	
1/4	2,765.11	1/4	3,018.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,770.39	1/2	3,023.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,775.67	3/4	3,029.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,780.95	11	3,034.39	11		11		11		11		11		11		11		11	
1/4	2,786.23	1/4	3,039.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,791.51	1/2	3,044.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,796.79	3/4	3,050.23	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2006 INSP.
RECALCULATED: 07/06/2021 PMA
REPRINTED: 07/06/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "MMI 3052"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	18.88	0	261.00	0	512.81	0	764.30	0	1,015.05	0	1,267.62	0	1,520.20	0	1,772.77	0	2,025.35	0	2,277.93
1/4	22.03	1/4	266.24	1/4	518.05	1/4	769.51	1/4	1,020.31	1/4	1,272.88	1/4	1,525.46	1/4	1,778.03	1/4	2,030.61	1/4	2,283.19
1/2	26.45	1/2	271.49	1/2	523.30	1/2	774.72	1/2	1,025.57	1/2	1,278.14	1/2	1,530.72	1/2	1,783.29	1/2	2,035.87	1/2	2,288.45
3/4	30.86	3/4	276.74	3/4	528.54	3/4	779.93	3/4	1,030.83	3/4	1,283.41	3/4	1,535.99	3/4	1,788.56	3/4	2,041.14	3/4	2,293.71
1	35.28	1	281.98	1	533.79	1	785.15	1	1,036.09	1	1,288.67	1	1,541.25	1	1,793.82	1	2,046.40	1	2,298.97
1/4	39.69	1/4	287.23	1/4	539.03	1/4	790.36	1/4	1,041.35	1/4	1,293.93	1/4	1,546.51	1/4	1,799.08	1/4	2,051.66	1/4	2,304.23
1/2	44.94	1/2	292.48	1/2	544.28	1/2	795.57	1/2	1,046.61	1/2	1,299.19	1/2	1,551.77	1/2	1,804.34	1/2	2,056.92	1/2	2,309.49
3/4	50.18	3/4	297.72	3/4	549.53	3/4	800.79	3/4	1,051.88	3/4	1,304.46	3/4	1,557.03	3/4	1,809.61	3/4	2,062.19	3/4	2,314.76
2	55.43	2	302.97	2	554.77	2	806.01	2	1,057.14	2	1,309.72	2	1,562.29	2	1,814.87	2	2,067.45	2	2,320.02
1/4	60.67	1/4	308.21	1/4	560.02	1/4	811.22	1/4	1,062.40	1/4	1,314.98	1/4	1,567.55	1/4	1,820.13	1/4	2,072.71	1/4	2,325.28
1/2	65.92	1/2	313.46	1/2	565.27	1/2	816.43	1/2	1,067.66	1/2	1,320.24	1/2	1,572.81	1/2	1,825.39	1/2	2,077.97	1/2	2,330.54
3/4	71.17	3/4	318.70	3/4	570.51	3/4	821.65	3/4	1,072.93	3/4	1,325.51	3/4	1,578.08	3/4	1,830.66	3/4	2,083.23	3/4	2,335.81
3	76.41	3	323.95	3	575.76	3	826.86	3	1,078.19	3	1,330.77	3	1,583.34	3	1,835.92	3	2,088.49	3	2,341.07
1/4	81.66	1/4	329.19	1/4	581.00	1/4	832.07	1/4	1,083.45	1/4	1,336.03	1/4	1,588.60	1/4	1,841.18	1/4	2,093.75	1/4	2,346.33
1/2	86.77	1/2	334.44	1/2	586.25	1/2	837.29	1/2	1,088.71	1/2	1,341.29	1/2	1,593.86	1/2	1,846.44	1/2	2,099.01	1/2	2,351.59
3/4	91.89	3/4	339.69	3/4	591.50	3/4	842.50	3/4	1,093.98	3/4	1,346.55	3/4	1,599.13	3/4	1,851.71	3/4	2,104.28	3/4	2,356.86
4	97.00	4	344.93	4	596.74	4	847.72	4	1,099.24	4	1,351.81	4	1,604.39	4	1,856.97	4	2,109.54	4	2,362.12
1/4	102.11	1/4	350.18	1/4	601.99	1/4	852.93	1/4	1,104.50	1/4	1,357.07	1/4	1,609.65	1/4	1,862.23	1/4	2,114.80	1/4	2,367.38
1/2	107.18	1/2	355.43	1/2	607.24	1/2	858.15	1/2	1,109.76	1/2	1,362.33	1/2	1,614.91	1/2	1,867.49	1/2	2,120.06	1/2	2,372.64
3/4	112.25	3/4	360.67	3/4	612.48	3/4	863.36	3/4	1,115.03	3/4	1,367.60	3/4	1,620.18	3/4	1,872.75	3/4	2,125.33	3/4	2,377.91
5	117.31	5	365.92	5	617.73	5	868.58	5	1,120.29	5	1,372.86	5	1,625.44	5	1,878.01	5	2,130.59	5	2,383.17
1/4	122.38	1/4	371.16	1/4	622.97	1/4	873.79	1/4	1,125.55	1/4	1,378.12	1/4	1,630.70	1/4	1,883.27	1/4	2,135.85	1/4	2,388.43
1/2	127.45	1/2	376.41	1/2	628.22	1/2	879.00	1/2	1,130.81	1/2	1,383.38	1/2	1,635.96	1/2	1,888.53	1/2	2,141.11	1/2	2,393.69
3/4	132.52	3/4	381.66	3/4	633.46	3/4	884.22	3/4	1,136.07	3/4	1,388.65	3/4	1,641.23	3/4	1,893.80	3/4	2,146.38	3/4	2,398.95
6	137.58	6	386.90	6	638.71	6	889.43	6	1,141.33	6	1,393.91	6	1,646.49	6	1,899.06	6	2,151.64	6	2,404.21
1/4	142.65	1/4	392.15	1/4	643.95	1/4	894.64	1/4	1,146.59	1/4	1,399.17	1/4	1,651.75	1/4	1,904.32	1/4	2,156.90	1/4	2,409.47
1/2	147.72	1/2	397.40	1/2	649.20	1/2	899.86	1/2	1,151.85	1/2	1,404.43	1/2	1,657.01	1/2	1,909.58	1/2	2,162.16	1/2	2,414.73
3/4	152.79	3/4	402.64	3/4	654.44	3/4	905.07	3/4	1,157.12	3/4	1,409.70	3/4	1,662.27	3/4	1,914.85	3/4	2,167.43	3/4	2,420.00
7	157.85	7	407.89	7	659.69	7	910.29	7	1,162.38	7	1,414.96	7	1,667.53	7	1,920.11	7	2,172.69	7	2,425.26
1/4	162.92	1/4	413.13	1/4	664.94	1/4	915.50	1/4	1,167.64	1/4	1,420.22	1/4	1,672.79	1/4	1,925.37	1/4	2,177.95	1/4	2,430.52
1/2	167.99	1/2	418.38	1/2	670.18	1/2	920.71	1/2	1,172.90	1/2	1,425.48	1/2	1,678.05	1/2	1,930.63	1/2	2,183.21	1/2	2,435.78
3/4	173.06	3/4	423.62	3/4	675.43	3/4	925.93	3/4	1,178.17	3/4	1,430.75	3/4	1,683.32	3/4	1,935.90	3/4	2,188.47	3/4	2,441.05
8	178.13	8	428.87	8	680.67	8	931.14	8	1,183.43	8	1,436.01	8	1,688.58	8	1,941.16	8	2,193.73	8	2,446.31
1/4	183.20	1/4	434.11	1/4	685.92	1/4	936.35	1/4	1,188.69	1/4	1,441.27	1/4	1,693.84	1/4	1,946.42	1/4	2,199.00	1/4	2,451.57
1/2	188.27	1/2	439.36	1/2	691.17	1/2	941.57	1/2	1,193.95	1/2	1,446.53	1/2	1,699.10	1/2	1,951.68	1/2	2,204.25	1/2	2,456.83
3/4	193.34	3/4	444.61	3/4	696.41	3/4	946.78	3/4	1,199.22	3/4	1,451.79	3/4	1,704.37	3/4	1,956.95	3/4	2,209.52	3/4	2,462.10
9	198.40	9	449.85	9	701.66	9	952.00	9	1,204.48	9	1,457.05	9	1,709.63	9	1,962.21	9	2,214.78	9	2,467.36
1/4	203.47	1/4	455.10	1/4	706.91	1/4	957.21	1/4	1,209.74	1/4	1,462.31	1/4	1,714.89	1/4	1,967.47	1/4	2,220.04	1/4	2,472.62
1/2	208.67	1/2	460.35	1/2	712.13	1/2	962.46	1/2	1,215.00	1/2	1,467.57	1/2	1,720.15	1/2	1,972.73	1/2	2,225.30	1/2	2,477.88
3/4	213.87	3/4	465.59	3/4	717.35	3/4	967.71	3/4	1,220.27	3/4	1,472.84	3/4	1,725.42	3/4	1,977.99	3/4	2,230.57	3/4	2,483.15
10	219.07	10	470.84	10	722.57	10	972.96	10	1,225.53	10	1,478.10	10	1,730.68	10	1,983.25	10	2,235.83	10	2,488.41
1/4	224.27	1/4	476.08	1/4	727.79	1/4	978.21	1/4	1,230.79	1/4	1,483.36	1/4	1,735.94	1/4	1,988.51	1/4	2,241.09	1/4	2,493.67
1/2	229.52	1/2	481.33	1/2	733.00	1/2	983.47	1/2	1,236.05	1/2	1,488.62	1/2	1,741.20	1/2	1,993.77	1/2	2,246.35	1/2	2,498.93
3/4	234.77	3/4	486.58	3/4	738.22	3/4	988.74	3/4	1,241.31	3/4	1,493.89	3/4	1,746.47	3/4	1,999.04	3/4	2,251.62	3/4	2,504.19
11	240.01	11	491.82	11	743.43	11	994.00	11	1,246.57	11	1,499.15	11	1,751.73	11	2,004.30	11	2,256.88	11	2,509.45
1/4	245.26	1/4	497.07	1/4	748.65	1/4	999.26	1/4	1,251.83	1/4	1,504.41	1/4	1,756.99	1/4	2,009.56	1/4	2,262.14	1/4	2,514.71
1/2	250.51	1/2	502.32	1/2	753.86	1/2	1,004.52	1/2	1,257.09	1/2	1,509.67	1/2	1,762.25	1/2	2,014.82	1/2	2,267.40	1/2	2,519.97
3/4	255.75	3/4	507.56	3/4	759.08	3/4	1,009.79	3/4	1,262.36	3/4	1,514.94	3/4	1,767.51	3/4	2,020.09	3/4	2,272.67	3/4	2,525.24

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 INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 10'-09" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "MMI 3052"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

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	2,530.50	0	2,783.08	0	3,035.65	0		0		0		0		0		0		0	
1/4	2,535.76	1/4	2,788.34	1/4	3,040.91	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,541.02	1/2	2,793.60	1/2	3,046.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,546.29	3/4	2,798.86	3/4	3,051.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,551.55	1	2,804.13	1	3,056.70	1		1		1		1		1		1		1	
1/4	2,556.81	1/4	2,809.39	1/4	3,061.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,562.07	1/2	2,814.65	1/2	3,067.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,567.34	3/4	2,819.91	3/4	3,072.48	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,572.60	2	2,825.17	2	3,077.75	2		2		2		2		2		2		2	
1/4	2,577.86	1/4	2,830.43	1/4	3,083.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,583.12	1/2	2,835.69	1/2	3,088.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,588.39	3/4	2,840.95	3/4	3,093.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,593.65	3	2,846.22	3	3,098.80	3		3		3		3		3		3		3	
1/4	2,598.91	1/4	2,851.48	1/4	3,104.06	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,604.17	1/2	2,856.74	1/2	3,109.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,609.43	3/4	2,862.00	3/4	3,114.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,614.69	4	2,867.27	4	3,119.85	4		4		4		4		4		4		4	
1/4	2,619.95	1/4	2,872.53	1/4	3,125.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,625.21	1/2	2,877.79	1/2	3,129.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,630.48	3/4	2,883.05	3/4	3,134.69	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,635.74	5	2,888.32	5	3,139.48	5		5		5		5		5		5		5	
1/4	2,641.00	1/4	2,893.58	1/4	3,144.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,646.26	1/2	2,898.84	1/2	3,148.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,651.53	3/4	2,904.10	3/4	3,152.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,656.79	6	2,909.37	6	3,155.91	6		6		6		6		6		6		6	
1/4	2,662.05	1/4	2,914.63	1/4	3,159.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,667.31	1/2	2,919.89	1/2	3,162.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,672.57	3/4	2,925.15	3/4	3,165.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,677.84	7	2,930.41	7	3,168.68	7		7		7		7		7		7		7	
1/4	2,683.10	1/4	2,935.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,688.36	1/2	2,940.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,693.62	3/4	2,946.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,698.89	8	2,951.46	8		8		8		8		8		8		8		8	
1/4	2,704.15	1/4	2,956.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,709.41	1/2	2,961.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,714.67	3/4	2,967.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,719.93	9	2,972.51	9		9		9		9		9		9		9		9	
1/4	2,725.19	1/4	2,977.77	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,730.45	1/2	2,983.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,735.71	3/4	2,988.29	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,740.98	10	2,993.56	10		10		10		10		10		10		10		10	
1/4	2,746.24	1/4	2,998.82	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,751.50	1/2	3,004.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,756.76	3/4	3,009.34	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,762.03	11	3,014.61	11		11		11		11		11		11		11		11	
1/4	2,767.29	1/4	3,019.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,772.55	1/2	3,025.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,777.81	3/4	3,030.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2006 INSP.
RECALCULATED: 07/06/2021 PMA
REPRINTED: 07/06/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

PRECISION MEASUREMENT
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BARGE "MMI 3052"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	18.88	0	261.00	0	512.81	0	764.30	0	1,015.05	0	1,267.62	0	1,520.20	0	1,772.77	0	2,025.35	0	2,277.93
1/4	22.03	1/4	266.24	1/4	518.05	1/4	769.51	1/4	1,020.31	1/4	1,272.88	1/4	1,525.46	1/4	1,778.03	1/4	2,030.61	1/4	2,283.19
1/2	26.45	1/2	271.49	1/2	523.30	1/2	774.72	1/2	1,025.57	1/2	1,278.14	1/2	1,530.72	1/2	1,783.29	1/2	2,035.87	1/2	2,288.45
3/4	30.86	3/4	276.74	3/4	528.54	3/4	779.93	3/4	1,030.83	3/4	1,283.41	3/4	1,535.99	3/4	1,788.56	3/4	2,041.14	3/4	2,293.71
1	35.28	1	281.98	1	533.79	1	785.15	1	1,036.09	1	1,288.67	1	1,541.25	1	1,793.82	1	2,046.40	1	2,298.97
1/4	39.69	1/4	287.23	1/4	539.03	1/4	790.36	1/4	1,041.35	1/4	1,293.93	1/4	1,546.51	1/4	1,799.08	1/4	2,051.66	1/4	2,304.23
1/2	44.94	1/2	292.48	1/2	544.28	1/2	795.57	1/2	1,046.61	1/2	1,299.19	1/2	1,551.77	1/2	1,804.34	1/2	2,056.92	1/2	2,309.49
3/4	50.18	3/4	297.72	3/4	549.53	3/4	800.79	3/4	1,051.88	3/4	1,304.46	3/4	1,557.03	3/4	1,809.61	3/4	2,062.19	3/4	2,314.76
2	55.43	2	302.97	2	554.77	2	806.01	2	1,057.14	2	1,309.72	2	1,562.29	2	1,814.87	2	2,067.45	2	2,320.02
1/4	60.67	1/4	308.21	1/4	560.02	1/4	811.22	1/4	1,062.40	1/4	1,314.98	1/4	1,567.55	1/4	1,820.13	1/4	2,072.71	1/4	2,325.28
1/2	65.92	1/2	313.46	1/2	565.27	1/2	816.43	1/2	1,067.66	1/2	1,320.24	1/2	1,572.81	1/2	1,825.39	1/2	2,077.97	1/2	2,330.54
3/4	71.17	3/4	318.70	3/4	570.51	3/4	821.65	3/4	1,072.93	3/4	1,325.51	3/4	1,578.08	3/4	1,830.66	3/4	2,083.23	3/4	2,335.81
3	76.41	3	323.95	3	575.76	3	826.86	3	1,078.19	3	1,330.77	3	1,583.34	3	1,835.92	3	2,088.49	3	2,341.07
1/4	81.66	1/4	329.19	1/4	581.00	1/4	832.07	1/4	1,083.45	1/4	1,336.03	1/4	1,588.60	1/4	1,841.18	1/4	2,093.75	1/4	2,346.33
1/2	86.77	1/2	334.44	1/2	586.25	1/2	837.29	1/2	1,088.71	1/2	1,341.29	1/2	1,593.86	1/2	1,846.44	1/2	2,099.01	1/2	2,351.59
3/4	91.89	3/4	339.69	3/4	591.50	3/4	842.50	3/4	1,093.98	3/4	1,346.55	3/4	1,599.13	3/4	1,851.71	3/4	2,104.28	3/4	2,356.86
4	97.00	4	344.93	4	596.74	4	847.72	4	1,099.24	4	1,351.81	4	1,604.39	4	1,856.97	4	2,109.54	4	2,362.12
1/4	102.11	1/4	350.18	1/4	601.99	1/4	852.93	1/4	1,104.50	1/4	1,357.07	1/4	1,609.65	1/4	1,862.23	1/4	2,114.80	1/4	2,367.38
1/2	107.18	1/2	355.43	1/2	607.24	1/2	858.15	1/2	1,109.76	1/2	1,362.33	1/2	1,614.91	1/2	1,867.49	1/2	2,120.06	1/2	2,372.64
3/4	112.25	3/4	360.67	3/4	612.48	3/4	863.36	3/4	1,115.03	3/4	1,367.60	3/4	1,620.18	3/4	1,872.75	3/4	2,125.33	3/4	2,377.91
5	117.31	5	365.92	5	617.73	5	868.58	5	1,120.29	5	1,372.86	5	1,625.44	5	1,878.01	5	2,130.59	5	2,383.17
1/4	122.38	1/4	371.16	1/4	622.97	1/4	873.79	1/4	1,125.55	1/4	1,378.12	1/4	1,630.70	1/4	1,883.27	1/4	2,135.85	1/4	2,388.43
1/2	127.45	1/2	376.41	1/2	628.22	1/2	879.00	1/2	1,130.81	1/2	1,383.38	1/2	1,635.96	1/2	1,888.53	1/2	2,141.11	1/2	2,393.69
3/4	132.52	3/4	381.66	3/4	633.46	3/4	884.22	3/4	1,136.07	3/4	1,388.65	3/4	1,641.23	3/4	1,893.80	3/4	2,146.38	3/4	2,398.95
6	137.58	6	386.90	6	638.71	6	889.43	6	1,141.33	6	1,393.91	6	1,646.49	6	1,899.06	6	2,151.64	6	2,404.21
1/4	142.65	1/4	392.15	1/4	643.95	1/4	894.64	1/4	1,146.59	1/4	1,399.17	1/4	1,651.75	1/4	1,904.32	1/4	2,156.90	1/4	2,409.47
1/2	147.72	1/2	397.40	1/2	649.20	1/2	899.86	1/2	1,151.85	1/2	1,404.43	1/2	1,657.01	1/2	1,909.58	1/2	2,162.16	1/2	2,414.73
3/4	152.79	3/4	402.64	3/4	654.44	3/4	905.07	3/4	1,157.12	3/4	1,409.70	3/4	1,662.27	3/4	1,914.85	3/4	2,167.43	3/4	2,420.00
7	157.85	7	407.89	7	659.69	7	910.29	7	1,162.38	7	1,414.96	7	1,667.53	7	1,920.11	7	2,172.69	7	2,425.26
1/4	162.92	1/4	413.13	1/4	664.94	1/4	915.50	1/4	1,167.64	1/4	1,420.22	1/4	1,672.79	1/4	1,925.37	1/4	2,177.95	1/4	2,430.52
1/2	167.99	1/2	418.38	1/2	670.18	1/2	920.71	1/2	1,172.90	1/2	1,425.48	1/2	1,678.05	1/2	1,930.63	1/2	2,183.21	1/2	2,435.78
3/4	173.06	3/4	423.62	3/4	675.43	3/4	925.93	3/4	1,178.17	3/4	1,430.75	3/4	1,683.32	3/4	1,935.90	3/4	2,188.47	3/4	2,441.05
8	178.13	8	428.87	8	680.67	8	931.14	8	1,183.43	8	1,436.01	8	1,688.58	8	1,941.16	8	2,193.73	8	2,446.31
1/4	183.20	1/4	434.11	1/4	685.92	1/4	936.35	1/4	1,188.69	1/4	1,441.27	1/4	1,693.84	1/4	1,946.42	1/4	2,199.00	1/4	2,451.57
1/2	188.27	1/2	439.36	1/2	691.17	1/2	941.57	1/2	1,193.95	1/2	1,446.53	1/2	1,699.10	1/2	1,951.68	1/2	2,204.25	1/2	2,456.83
3/4	193.34	3/4	444.61	3/4	696.41	3/4	946.78	3/4	1,199.22	3/4	1,451.79	3/4	1,704.37	3/4	1,956.95	3/4	2,209.52	3/4	2,462.10
9	198.40	9	449.85	9	701.66	9	952.00	9	1,204.48	9	1,457.05	9	1,709.63	9	1,962.21	9	2,214.78	9	2,467.36
1/4	203.47	1/4	455.10	1/4	706.91	1/4	957.21	1/4	1,209.74	1/4	1,462.31	1/4	1,714.89	1/4	1,967.47	1/4	2,220.04	1/4	2,472.62
1/2	208.67	1/2	460.35	1/2	712.13	1/2	962.46	1/2	1,215.00	1/2	1,467.57	1/2	1,720.15	1/2	1,972.73	1/2	2,225.30	1/2	2,477.88
3/4	213.87	3/4	465.59	3/4	717.35	3/4	967.71	3/4	1,220.27	3/4	1,472.84	3/4	1,725.42	3/4	1,977.99	3/4	2,230.57	3/4	2,483.15
10	219.07	10	470.84	10	722.57	10	972.96	10	1,225.53	10	1,478.10	10	1,730.68	10	1,983.25	10	2,235.83	10	2,488.41
1/4	224.27	1/4	476.08	1/4	727.79	1/4	978.21	1/4	1,230.79	1/4	1,483.36	1/4	1,735.94	1/4	1,988.51	1/4	2,241.09	1/4	2,493.67
1/2	229.52	1/2	481.33	1/2	733.00	1/2	983.47	1/2	1,236.05	1/2	1,488.62	1/2	1,741.20	1/2	1,993.77	1/2	2,246.35	1/2	2,498.93
3/4	234.77	3/4	486.58	3/4	738.22	3/4	988.74	3/4	1,241.31	3/4	1,493.89	3/4	1,746.47	3/4	1,999.04	3/4	2,251.62	3/4	2,504.19
11	240.01	11	491.82	11	743.43	11	994.00	11	1,246.57	11	1,499.15	11	1,751.73	11	2,004.30	11	2,256.88	11	2,509.45
1/4	245.26	1/4	497.07	1/4	748.65	1/4	999.26	1/4	1,251.83	1/4	1,504.41	1/4	1,756.99	1/4	2,009.56	1/4	2,262.14	1/4	2,514.71
1/2	250.51	1/2	502.32	1/2	753.86	1/2	1,004.52	1/2	1,257.09	1/2	1,509.67	1/2	1,762.25	1/2	2,014.82	1/2	2,267.40	1/2	2,519.97
3/4	255.75	3/4	507.56	3/4	759.08	3/4	1,009.79	3/4	1,262.36	3/4	1,514.94	3/4	1,767.51	3/4	2,020.09	3/4	2,272.67	3/4	2,525.24

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 INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 10'-09" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "MMI 3052"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	2,530.50	0	2,783.08	0	3,035.65	0		0		0		0		0		0		0	
1/4	2,535.76	1/4	2,788.34	1/4	3,040.91	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,541.02	1/2	2,793.60	1/2	3,046.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,546.29	3/4	2,798.86	3/4	3,051.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,551.55	1	2,804.13	1	3,056.70	1		1		1		1		1		1		1	
1/4	2,556.81	1/4	2,809.39	1/4	3,061.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,562.07	1/2	2,814.65	1/2	3,067.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,567.34	3/4	2,819.91	3/4	3,072.48	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,572.60	2	2,825.17	2	3,077.75	2		2		2		2		2		2		2	
1/4	2,577.86	1/4	2,830.43	1/4	3,083.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,583.12	1/2	2,835.69	1/2	3,088.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,588.39	3/4	2,840.95	3/4	3,093.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,593.65	3	2,846.22	3	3,098.80	3		3		3		3		3		3		3	
1/4	2,598.91	1/4	2,851.48	1/4	3,104.06	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,604.17	1/2	2,856.74	1/2	3,109.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,609.43	3/4	2,862.00	3/4	3,114.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,614.69	4	2,867.27	4	3,119.85	4		4		4		4		4		4		4	
1/4	2,619.95	1/4	2,872.53	1/4	3,125.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,625.21	1/2	2,877.79	1/2	3,129.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,630.48	3/4	2,883.05	3/4	3,134.69	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,635.74	5	2,888.32	5	3,139.48	5		5		5		5		5		5		5	
1/4	2,641.00	1/4	2,893.58	1/4	3,144.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,646.26	1/2	2,898.84	1/2	3,148.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,651.53	3/4	2,904.10	3/4	3,152.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,656.79	6	2,909.37	6	3,155.91	6		6		6		6		6		6		6	
1/4	2,662.05	1/4	2,914.63	1/4	3,159.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,667.31	1/2	2,919.89	1/2	3,162.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,672.57	3/4	2,925.15	3/4	3,165.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,677.84	7	2,930.41	7	3,168.68	7		7		7		7		7		7		7	
1/4	2,683.10	1/4	2,935.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,688.36	1/2	2,940.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,693.62	3/4	2,946.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,698.89	8	2,951.46	8		8		8		8		8		8		8		8	
1/4	2,704.15	1/4	2,956.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,709.41	1/2	2,961.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,714.67	3/4	2,967.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,719.93	9	2,972.51	9		9		9		9		9		9		9		9	
1/4	2,725.19	1/4	2,977.77	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,730.45	1/2	2,983.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,735.71	3/4	2,988.29	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,740.98	10	2,993.56	10		10		10		10		10		10		10		10	
1/4	2,746.24	1/4	2,998.82	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,751.50	1/2	3,004.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,756.76	3/4	3,009.34	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,762.03	11	3,014.61	11		11		11		11		11		11		11		11	
1/4	2,767.29	1/4	3,019.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,772.55	1/2	3,025.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,777.81	3/4	3,030.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2006 INSP.
RECALCULATED: 07/06/2021 PMA
REPRINTED: 07/06/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "MMI 3052"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	20.79	0	287.78	0	565.51	0	842.85	0	1,119.16	0	1,396.98	0	1,674.81	0	1,952.63	0	2,230.45	0	2,508.28
1/4	24.26	1/4	293.57	1/4	571.29	1/4	848.60	1/4	1,124.95	1/4	1,402.77	1/4	1,680.60	1/4	1,958.42	1/4	2,236.24	1/4	2,514.07
1/2	29.13	1/2	299.36	1/2	577.08	1/2	854.35	1/2	1,130.74	1/2	1,408.56	1/2	1,686.39	1/2	1,964.21	1/2	2,242.03	1/2	2,519.86
3/4	34.00	3/4	305.14	3/4	582.87	3/4	860.10	3/4	1,136.53	3/4	1,414.34	3/4	1,692.17	3/4	1,969.99	3/4	2,247.82	3/4	2,525.64
1	38.86	1	310.93	1	588.65	1	865.85	1	1,142.31	1	1,420.13	1	1,697.96	1	1,975.78	1	2,253.61	1	2,531.43
1/4	43.73	1/4	316.71	1/4	594.44	1/4	871.60	1/4	1,148.10	1/4	1,425.92	1/4	1,703.75	1/4	1,981.57	1/4	2,259.40	1/4	2,537.22
1/2	49.52	1/2	322.50	1/2	600.23	1/2	877.35	1/2	1,153.89	1/2	1,431.71	1/2	1,709.54	1/2	1,987.36	1/2	2,265.19	1/2	2,543.01
3/4	55.31	3/4	328.28	3/4	606.01	3/4	883.10	3/4	1,159.68	3/4	1,437.50	3/4	1,715.32	3/4	1,993.14	3/4	2,270.97	3/4	2,548.79
2	61.09	2	334.07	2	611.80	2	888.84	2	1,165.46	2	1,443.29	2	1,721.11	2	1,998.93	2	2,276.76	2	2,554.58
1/4	66.88	1/4	339.85	1/4	617.58	1/4	894.59	1/4	1,171.25	1/4	1,449.08	1/4	1,726.90	1/4	2,004.72	1/4	2,282.55	1/4	2,560.37
1/2	72.67	1/2	345.64	1/2	623.37	1/2	900.34	1/2	1,177.04	1/2	1,454.87	1/2	1,732.69	1/2	2,010.51	1/2	2,288.34	1/2	2,566.16
3/4	78.45	3/4	351.43	3/4	629.16	3/4	906.09	3/4	1,182.83	3/4	1,460.65	3/4	1,738.47	3/4	2,016.30	3/4	2,294.12	3/4	2,571.94
3	84.24	3	357.21	3	634.94	3	911.83	3	1,188.61	3	1,466.44	3	1,744.26	3	2,022.09	3	2,299.91	3	2,577.73
1/4	90.02	1/4	363.00	1/4	640.73	1/4	917.58	1/4	1,194.40	1/4	1,472.23	1/4	1,750.05	1/4	2,027.88	1/4	2,305.70	1/4	2,583.52
1/2	95.66	1/2	368.79	1/2	646.52	1/2	923.33	1/2	1,200.19	1/2	1,478.02	1/2	1,755.84	1/2	2,033.67	1/2	2,311.49	1/2	2,589.31
3/4	101.30	3/4	374.57	3/4	652.30	3/4	929.08	3/4	1,205.98	3/4	1,483.80	3/4	1,761.62	3/4	2,039.45	3/4	2,317.27	3/4	2,595.10
4	106.93	4	380.36	4	658.09	4	934.82	4	1,211.77	4	1,489.59	4	1,767.41	4	2,045.24	4	2,323.06	4	2,600.89
1/4	112.57	1/4	386.14	1/4	663.87	1/4	940.57	1/4	1,217.56	1/4	1,495.38	1/4	1,773.20	1/4	2,051.03	1/4	2,328.85	1/4	2,606.68
1/2	118.16	1/2	391.93	1/2	669.66	1/2	946.32	1/2	1,223.35	1/2	1,501.17	1/2	1,778.99	1/2	2,056.82	1/2	2,334.64	1/2	2,612.47
3/4	123.75	3/4	397.72	3/4	675.44	3/4	952.07	3/4	1,229.14	3/4	1,506.95	3/4	1,784.78	3/4	2,062.60	3/4	2,340.42	3/4	2,618.25
5	129.33	5	403.50	5	681.23	5	957.81	5	1,234.92	5	1,512.74	5	1,790.57	5	2,068.39	5	2,346.21	5	2,624.04
1/4	134.92	1/4	409.29	1/4	687.01	1/4	963.56	1/4	1,240.71	1/4	1,518.53	1/4	1,796.36	1/4	2,074.18	1/4	2,352.00	1/4	2,629.83
1/2	140.51	1/2	415.08	1/2	692.80	1/2	969.31	1/2	1,246.50	1/2	1,524.32	1/2	1,802.15	1/2	2,079.97	1/2	2,357.79	1/2	2,635.62
3/4	146.10	3/4	420.86	3/4	698.59	3/4	975.06	3/4	1,252.29	3/4	1,530.10	3/4	1,807.93	3/4	2,085.75	3/4	2,363.58	3/4	2,641.40
6	151.69	6	426.65	6	704.37	6	980.81	6	1,258.07	6	1,535.89	6	1,813.72	6	2,091.54	6	2,369.37	6	2,647.19
1/4	157.28	1/4	432.43	1/4	710.16	1/4	986.56	1/4	1,263.86	1/4	1,541.68	1/4	1,819.51	1/4	2,097.33	1/4	2,375.16	1/4	2,652.98
1/2	162.87	1/2	438.22	1/2	715.95	1/2	992.31	1/2	1,269.65	1/2	1,547.47	1/2	1,825.30	1/2	2,103.12	1/2	2,380.95	1/2	2,658.77
3/4	168.46	3/4	444.00	3/4	721.73	3/4	998.06	3/4	1,275.44	3/4	1,553.26	3/4	1,831.08	3/4	2,108.90	3/4	2,386.73	3/4	2,664.55
7	174.04	7	449.79	7	727.52	7	1,003.80	7	1,281.22	7	1,559.05	7	1,836.87	7	2,114.69	7	2,392.52	7	2,670.34
1/4	179.63	1/4	455.57	1/4	733.30	1/4	1,009.55	1/4	1,287.01	1/4	1,564.84	1/4	1,842.66	1/4	2,120.48	1/4	2,398.31	1/4	2,676.13
1/2	185.22	1/2	461.36	1/2	739.09	1/2	1,015.30	1/2	1,292.80	1/2	1,570.63	1/2	1,848.45	1/2	2,126.27	1/2	2,404.10	1/2	2,681.92
3/4	190.81	3/4	467.15	3/4	744.88	3/4	1,021.05	3/4	1,298.59	3/4	1,576.41	3/4	1,854.23	3/4	2,132.06	3/4	2,409.88	3/4	2,687.70
8	196.39	8	472.93	8	750.66	8	1,026.79	8	1,304.37	8	1,582.20	8	1,860.02	8	2,137.85	8	2,415.67	8	2,693.49
1/4	201.98	1/4	478.72	1/4	756.45	1/4	1,032.54	1/4	1,310.16	1/4	1,587.99	1/4	1,865.81	1/4	2,143.64	1/4	2,421.46	1/4	2,699.28
1/2	207.57	1/2	484.51	1/2	762.24	1/2	1,038.29	1/2	1,315.95	1/2	1,593.78	1/2	1,871.60	1/2	2,149.43	1/2	2,427.25	1/2	2,705.07
3/4	213.16	3/4	490.29	3/4	768.02	3/4	1,044.04	3/4	1,321.74	3/4	1,599.56	3/4	1,877.38	3/4	2,155.21	3/4	2,433.03	3/4	2,710.86
9	218.74	9	496.08	9	773.81	9	1,049.78	9	1,327.53	9	1,605.35	9	1,883.17	9	2,161.00	9	2,438.82	9	2,716.65
1/4	224.33	1/4	501.86	1/4	779.59	1/4	1,055.53	1/4	1,333.32	1/4	1,611.14	1/4	1,888.96	1/4	2,166.79	1/4	2,444.61	1/4	2,722.44
1/2	230.07	1/2	507.65	1/2	785.35	1/2	1,061.31	1/2	1,339.11	1/2	1,616.93	1/2	1,894.75	1/2	2,172.58	1/2	2,450.40	1/2	2,728.23
3/4	235.81	3/4	513.44	3/4	791.11	3/4	1,067.09	3/4	1,344.90	3/4	1,622.71	3/4	1,900.54	3/4	2,178.36	3/4	2,456.18	3/4	2,734.01
10	241.54	10	519.22	10	796.86	10	1,072.86	10	1,350.68	10	1,628.50	10	1,906.33	10	2,184.15	10	2,461.97	10	2,739.80
1/4	247.28	1/4	525.01	1/4	802.62	1/4	1,078.64	1/4	1,356.47	1/4	1,634.29	1/4	1,912.12	1/4	2,189.94	1/4	2,467.76	1/4	2,745.59
1/2	253.07	1/2	530.80	1/2	808.37	1/2	1,084.43	1/2	1,362.26	1/2	1,640.08	1/2	1,917.91	1/2	2,195.73	1/2	2,473.55	1/2	2,751.38
3/4	258.85	3/4	536.58	3/4	814.12	3/4	1,090.22	3/4	1,368.04	3/4	1,645.86	3/4	1,923.69	3/4	2,201.51	3/4	2,479.34	3/4	2,757.16
11	264.64	11	542.37	11	819.86	11	1,096.01	11	1,373.83	11	1,651.65	11	1,929.48	11	2,207.30	11	2,485.13	11	2,762.95
1/4	270.42	1/4	548.15	1/4	825.61	1/4	1,101.80	1/4	1,379.62	1/4	1,657.44	1/4	1,935.27	1/4	2,213.09	1/4	2,490.92	1/4	2,768.74
1/2	276.21	1/2	553.94	1/2	831.36	1/2	1,107.59	1/2	1,385.41	1/2	1,663.23	1/2	1,941.06	1/2	2,218.88	1/2	2,496.71	1/2	2,774.53
3/4	282.00	3/4	559.72	3/4	837.11	3/4	1,113.38	3/4	1,391.19	3/4	1,669.02	3/4	1,946.84	3/4	2,224.66	3/4	2,502.49	3/4	2,780.31

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 INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 10'-09" OFF CENTERLINE AND 41'-03" 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 3052"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,786.10	0	3,063.93	0	3,341.75	0		0		0		0		0		0		0	
1/4	2,791.89	1/4	3,069.72	1/4	3,347.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,797.68	1/2	3,075.51	1/2	3,353.33	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,803.46	3/4	3,081.29	3/4	3,359.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,809.25	1	3,087.08	1	3,364.90	1		1		1		1		1		1		1	
1/4	2,815.04	1/4	3,092.87	1/4	3,370.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,820.83	1/2	3,098.66	1/2	3,376.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,826.62	3/4	3,104.44	3/4	3,382.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,832.41	2	3,110.23	2	3,388.05	2		2		2		2		2		2		2	
1/4	2,838.20	1/4	3,116.02	1/4	3,393.84	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,843.99	1/2	3,121.81	1/2	3,399.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,849.77	3/4	3,127.59	3/4	3,405.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,855.56	3	3,133.38	3	3,411.21	3		3		3		3		3		3		3	
1/4	2,861.35	1/4	3,139.17	1/4	3,417.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,867.14	1/2	3,144.96	1/2	3,422.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,872.92	3/4	3,150.74	3/4	3,428.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,878.71	4	3,156.53	4	3,434.36	4		4		4		4		4		4		4	
1/4	2,884.50	1/4	3,162.32	1/4	3,440.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,890.29	1/2	3,168.11	1/2	3,445.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,896.07	3/4	3,173.90	3/4	3,451.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,901.86	5	3,179.69	5	3,457.50	5		5		5		5		5		5		5	
1/4	2,907.65	1/4	3,185.48	1/4	3,463.28	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,913.44	1/2	3,191.27	1/2	3,469.07	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,919.22	3/4	3,197.05	3/4	3,474.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,925.01	6	3,202.84	6	3,480.64	6		6		6		6		6		6		6	
1/4	2,930.80	1/4	3,208.63	1/4	3,486.42	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,936.59	1/2	3,214.42	1/2	3,492.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,942.38	3/4	3,220.20	3/4	3,497.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,948.17	7	3,225.99	7	3,503.78	7		7		7		7		7		7		7	
1/4	2,953.96	1/4	3,231.78	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,959.75	1/2	3,237.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,965.53	3/4	3,243.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,971.32	8	3,249.14	8		8		8		8		8		8		8		8	
1/4	2,977.11	1/4	3,254.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,982.90	1/2	3,260.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,988.68	3/4	3,266.50	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,994.47	9	3,272.29	9		9		9		9		9		9		9		9	
1/4	3,000.26	1/4	3,278.08	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,006.05	1/2	3,283.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,011.83	3/4	3,289.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,017.62	10	3,295.45	10		10		10		10		10		10		10		10	
1/4	3,023.41	1/4	3,301.24	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,029.20	1/2	3,307.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,034.98	3/4	3,312.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,040.77	11	3,318.60	11		11		11		11		11		11		11		11	
1/4	3,046.56	1/4	3,324.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,052.35	1/2	3,330.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,058.14	3/4	3,335.96	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2006 INSP.
RECALCULATED: 07/06/2021 PMA
REPRINTED: 07/06/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

PRECISION MEASUREMENT
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BARGE "MMI 3052"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	20.79	0	287.78	0	565.51	0	842.85	0	1,119.16	0	1,396.98	0	1,674.81	0	1,952.63	0	2,230.45	0	2,508.28
1/4	24.26	1/4	293.57	1/4	571.29	1/4	848.60	1/4	1,124.95	1/4	1,402.77	1/4	1,680.60	1/4	1,958.42	1/4	2,236.24	1/4	2,514.07
1/2	29.13	1/2	299.36	1/2	577.08	1/2	854.35	1/2	1,130.74	1/2	1,408.56	1/2	1,686.39	1/2	1,964.21	1/2	2,242.03	1/2	2,519.86
3/4	34.00	3/4	305.14	3/4	582.87	3/4	860.10	3/4	1,136.53	3/4	1,414.34	3/4	1,692.17	3/4	1,969.99	3/4	2,247.82	3/4	2,525.64
1	38.86	1	310.93	1	588.65	1	865.85	1	1,142.31	1	1,420.13	1	1,697.96	1	1,975.78	1	2,253.61	1	2,531.43
1/4	43.73	1/4	316.71	1/4	594.44	1/4	871.60	1/4	1,148.10	1/4	1,425.92	1/4	1,703.75	1/4	1,981.57	1/4	2,259.40	1/4	2,537.22
1/2	49.52	1/2	322.50	1/2	600.23	1/2	877.35	1/2	1,153.89	1/2	1,431.71	1/2	1,709.54	1/2	1,987.36	1/2	2,265.19	1/2	2,543.01
3/4	55.31	3/4	328.28	3/4	606.01	3/4	883.10	3/4	1,159.68	3/4	1,437.50	3/4	1,715.32	3/4	1,993.14	3/4	2,270.97	3/4	2,548.79
2	61.09	2	334.07	2	611.80	2	888.84	2	1,165.46	2	1,443.29	2	1,721.11	2	1,998.93	2	2,276.76	2	2,554.58
1/4	66.88	1/4	339.85	1/4	617.58	1/4	894.59	1/4	1,171.25	1/4	1,449.08	1/4	1,726.90	1/4	2,004.72	1/4	2,282.55	1/4	2,560.37
1/2	72.67	1/2	345.64	1/2	623.37	1/2	900.34	1/2	1,177.04	1/2	1,454.87	1/2	1,732.69	1/2	2,010.51	1/2	2,288.34	1/2	2,566.16
3/4	78.45	3/4	351.43	3/4	629.16	3/4	906.09	3/4	1,182.83	3/4	1,460.65	3/4	1,738.47	3/4	2,016.30	3/4	2,294.12	3/4	2,571.94
3	84.24	3	357.21	3	634.94	3	911.83	3	1,188.61	3	1,466.44	3	1,744.26	3	2,022.09	3	2,299.91	3	2,577.73
1/4	90.02	1/4	363.00	1/4	640.73	1/4	917.58	1/4	1,194.40	1/4	1,472.23	1/4	1,750.05	1/4	2,027.88	1/4	2,305.70	1/4	2,583.52
1/2	95.66	1/2	368.79	1/2	646.52	1/2	923.33	1/2	1,200.19	1/2	1,478.02	1/2	1,755.84	1/2	2,033.67	1/2	2,311.49	1/2	2,589.31
3/4	101.30	3/4	374.57	3/4	652.30	3/4	929.08	3/4	1,205.98	3/4	1,483.80	3/4	1,761.62	3/4	2,039.45	3/4	2,317.27	3/4	2,595.10
4	106.93	4	380.36	4	658.09	4	934.82	4	1,211.77	4	1,489.59	4	1,767.41	4	2,045.24	4	2,323.06	4	2,600.89
1/4	112.57	1/4	386.14	1/4	663.87	1/4	940.57	1/4	1,217.56	1/4	1,495.38	1/4	1,773.20	1/4	2,051.03	1/4	2,328.85	1/4	2,606.68
1/2	118.16	1/2	391.93	1/2	669.66	1/2	946.32	1/2	1,223.35	1/2	1,501.17	1/2	1,778.99	1/2	2,056.82	1/2	2,334.64	1/2	2,612.47
3/4	123.75	3/4	397.72	3/4	675.44	3/4	952.07	3/4	1,229.14	3/4	1,506.95	3/4	1,784.78	3/4	2,062.60	3/4	2,340.42	3/4	2,618.25
5	129.33	5	403.50	5	681.23	5	957.81	5	1,234.92	5	1,512.74	5	1,790.57	5	2,068.39	5	2,346.21	5	2,624.04
1/4	134.92	1/4	409.29	1/4	687.01	1/4	963.56	1/4	1,240.71	1/4	1,518.53	1/4	1,796.36	1/4	2,074.18	1/4	2,352.00	1/4	2,629.83
1/2	140.51	1/2	415.08	1/2	692.80	1/2	969.31	1/2	1,246.50	1/2	1,524.32	1/2	1,802.15	1/2	2,079.97	1/2	2,357.79	1/2	2,635.62
3/4	146.10	3/4	420.86	3/4	698.59	3/4	975.06	3/4	1,252.29	3/4	1,530.10	3/4	1,807.93	3/4	2,085.75	3/4	2,363.58	3/4	2,641.40
6	151.69	6	426.65	6	704.37	6	980.81	6	1,258.07	6	1,535.89	6	1,813.72	6	2,091.54	6	2,369.37	6	2,647.19
1/4	157.28	1/4	432.43	1/4	710.16	1/4	986.56	1/4	1,263.86	1/4	1,541.68	1/4	1,819.51	1/4	2,097.33	1/4	2,375.16	1/4	2,652.98
1/2	162.87	1/2	438.22	1/2	715.95	1/2	992.31	1/2	1,269.65	1/2	1,547.47	1/2	1,825.30	1/2	2,103.12	1/2	2,380.95	1/2	2,658.77
3/4	168.46	3/4	444.00	3/4	721.73	3/4	998.06	3/4	1,275.44	3/4	1,553.26	3/4	1,831.08	3/4	2,108.90	3/4	2,386.73	3/4	2,664.55
7	174.04	7	449.79	7	727.52	7	1,003.80	7	1,281.22	7	1,559.05	7	1,836.87	7	2,114.69	7	2,392.52	7	2,670.34
1/4	179.63	1/4	455.57	1/4	733.30	1/4	1,009.55	1/4	1,287.01	1/4	1,564.84	1/4	1,842.66	1/4	2,120.48	1/4	2,398.31	1/4	2,676.13
1/2	185.22	1/2	461.36	1/2	739.09	1/2	1,015.30	1/2	1,292.80	1/2	1,570.63	1/2	1,848.45	1/2	2,126.27	1/2	2,404.10	1/2	2,681.92
3/4	190.81	3/4	467.15	3/4	744.88	3/4	1,021.05	3/4	1,298.59	3/4	1,576.41	3/4	1,854.23	3/4	2,132.06	3/4	2,409.88	3/4	2,687.70
8	196.39	8	472.93	8	750.66	8	1,026.79	8	1,304.37	8	1,582.20	8	1,860.02	8	2,137.85	8	2,415.67	8	2,693.49
1/4	201.98	1/4	478.72	1/4	756.45	1/4	1,032.54	1/4	1,310.16	1/4	1,587.99	1/4	1,865.81	1/4	2,143.64	1/4	2,421.46	1/4	2,699.28
1/2	207.57	1/2	484.51	1/2	762.24	1/2	1,038.29	1/2	1,315.95	1/2	1,593.78	1/2	1,871.60	1/2	2,149.43	1/2	2,427.25	1/2	2,705.07
3/4	213.16	3/4	490.29	3/4	768.02	3/4	1,044.04	3/4	1,321.74	3/4	1,599.56	3/4	1,877.38	3/4	2,155.21	3/4	2,433.03	3/4	2,710.86
9	218.74	9	496.08	9	773.81	9	1,049.78	9	1,327.53	9	1,605.35	9	1,883.17	9	2,161.00	9	2,438.82	9	2,716.65
1/4	224.33	1/4	501.86	1/4	779.59	1/4	1,055.53	1/4	1,333.32	1/4	1,611.14	1/4	1,888.96	1/4	2,166.79	1/4	2,444.61	1/4	2,722.44
1/2	230.07	1/2	507.65	1/2	785.35	1/2	1,061.31	1/2	1,339.11	1/2	1,616.93	1/2	1,894.75	1/2	2,172.58	1/2	2,450.40	1/2	2,728.23
3/4	235.81	3/4	513.44	3/4	791.11	3/4	1,067.09	3/4	1,344.90	3/4	1,622.71	3/4	1,900.54	3/4	2,178.36	3/4	2,456.18	3/4	2,734.01
10	241.54	10	519.22	10	796.86	10	1,072.86	10	1,350.68	10	1,628.50	10	1,906.33	10	2,184.15	10	2,461.97	10	2,739.80
1/4	247.28	1/4	525.01	1/4	802.62	1/4	1,078.64	1/4	1,356.47	1/4	1,634.29	1/4	1,912.12	1/4	2,189.94	1/4	2,467.76	1/4	2,745.59
1/2	253.07	1/2	530.80	1/2	808.37	1/2	1,084.43	1/2	1,362.26	1/2	1,640.08	1/2	1,917.91	1/2	2,195.73	1/2	2,473.55	1/2	2,751.38
3/4	258.85	3/4	536.58	3/4	814.12	3/4	1,090.22	3/4	1,368.04	3/4	1,645.86	3/4	1,923.69	3/4	2,201.51	3/4	2,479.34	3/4	2,757.16
11	264.64	11	542.37	11	819.86	11	1,096.01	11	1,373.83	11	1,651.65	11	1,929.48	11	2,207.30	11	2,485.13	11	2,762.95
1/4	270.42	1/4	548.15	1/4	825.61	1/4	1,101.80	1/4	1,379.62	1/4	1,657.44	1/4	1,935.27	1/4	2,213.09	1/4	2,490.92	1/4	2,768.74
1/2	276.21	1/2	553.94	1/2	831.36	1/2	1,107.59	1/2	1,385.41	1/2	1,663.23	1/2	1,941.06	1/2	2,218.88	1/2	2,496.71	1/2	2,774.53
3/4	282.00	3/4	559.72	3/4	837.11	3/4	1,113.38	3/4	1,391.19	3/4	1,669.02	3/4	1,946.84	3/4	2,224.66	3/4	2,502.49	3/4	2,780.31

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 INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 10'-09" OFF CENTERLINE AND 41'-03" 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 3052"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,786.10	0	3,063.93	0	3,341.75	0		0		0		0		0		0		0	
1/4	2,791.89	1/4	3,069.72	1/4	3,347.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,797.68	1/2	3,075.51	1/2	3,353.33	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,803.46	3/4	3,081.29	3/4	3,359.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,809.25	1	3,087.08	1	3,364.90	1		1		1		1		1		1		1	
1/4	2,815.04	1/4	3,092.87	1/4	3,370.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,820.83	1/2	3,098.66	1/2	3,376.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,826.62	3/4	3,104.44	3/4	3,382.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,832.41	2	3,110.23	2	3,388.05	2		2		2		2		2		2		2	
1/4	2,838.20	1/4	3,116.02	1/4	3,393.84	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,843.99	1/2	3,121.81	1/2	3,399.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,849.77	3/4	3,127.59	3/4	3,405.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,855.56	3	3,133.38	3	3,411.21	3		3		3		3		3		3		3	
1/4	2,861.35	1/4	3,139.17	1/4	3,417.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,867.14	1/2	3,144.96	1/2	3,422.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,872.92	3/4	3,150.74	3/4	3,428.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,878.71	4	3,156.53	4	3,434.36	4		4		4		4		4		4		4	
1/4	2,884.50	1/4	3,162.32	1/4	3,440.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,890.29	1/2	3,168.11	1/2	3,445.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,896.07	3/4	3,173.90	3/4	3,451.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,901.86	5	3,179.69	5	3,457.50	5		5		5		5		5		5		5	
1/4	2,907.65	1/4	3,185.48	1/4	3,463.28	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,913.44	1/2	3,191.27	1/2	3,469.07	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,919.22	3/4	3,197.05	3/4	3,474.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,925.01	6	3,202.84	6	3,480.64	6		6		6		6		6		6		6	
1/4	2,930.80	1/4	3,208.63	1/4	3,486.42	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,936.59	1/2	3,214.42	1/2	3,492.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,942.38	3/4	3,220.20	3/4	3,497.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,948.17	7	3,225.99	7	3,503.78	7		7		7		7		7		7		7	
1/4	2,953.96	1/4	3,231.78	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,959.75	1/2	3,237.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,965.53	3/4	3,243.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,971.32	8	3,249.14	8		8		8		8		8		8		8		8	
1/4	2,977.11	1/4	3,254.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,982.90	1/2	3,260.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,988.68	3/4	3,266.50	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,994.47	9	3,272.29	9		9		9		9		9		9		9		9	
1/4	3,000.26	1/4	3,278.08	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,006.05	1/2	3,283.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,011.83	3/4	3,289.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,017.62	10	3,295.45	10		10		10		10		10		10		10		10	
1/4	3,023.41	1/4	3,301.24	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,029.20	1/2	3,307.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,034.98	3/4	3,312.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,040.77	11	3,318.60	11		11		11		11		11		11		11		11	
1/4	3,046.56	1/4	3,324.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,052.35	1/2	3,330.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,058.14	3/4	3,335.96	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2006 INSP.
RECALCULATED: 07/06/2021 PMA
REPRINTED: 07/06/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

PRECISION MEASUREMENT
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BARGE "MMI 3052"

4 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	20.66	0	286.44	0	562.54	0	838.27	0	1,113.04	0	1,389.33	0	1,665.62	0	1,941.91	0	2,218.19	0	2,494.48
1/4	24.11	1/4	292.19	1/4	568.29	1/4	843.99	1/4	1,118.80	1/4	1,395.08	1/4	1,671.37	1/4	1,947.66	1/4	2,223.95	1/4	2,500.24
1/2	28.95	1/2	297.94	1/2	574.04	1/2	849.71	1/2	1,124.56	1/2	1,400.84	1/2	1,677.13	1/2	1,953.42	1/2	2,229.71	1/2	2,506.00
3/4	33.79	3/4	303.70	3/4	579.80	3/4	855.42	3/4	1,130.31	3/4	1,406.60	3/4	1,682.89	3/4	1,959.17	3/4	2,235.46	3/4	2,511.75
1	38.63	1	309.45	1	585.55	1	861.14	1	1,136.07	1	1,412.35	1	1,688.64	1	1,964.93	1	2,241.22	1	2,517.51
1/4	43.47	1/4	315.20	1/4	591.30	1/4	866.85	1/4	1,141.82	1/4	1,418.11	1/4	1,694.40	1/4	1,970.68	1/4	2,246.97	1/4	2,523.26
1/2	49.22	1/2	320.95	1/2	597.05	1/2	872.57	1/2	1,147.58	1/2	1,423.87	1/2	1,700.16	1/2	1,976.44	1/2	2,252.73	1/2	2,529.02
3/4	54.98	3/4	326.71	3/4	602.80	3/4	878.29	3/4	1,153.33	3/4	1,429.62	3/4	1,705.91	3/4	1,982.20	3/4	2,258.49	3/4	2,534.77
2	60.73	2	332.46	2	608.55	2	884.00	2	1,159.09	2	1,435.38	2	1,711.67	2	1,987.95	2	2,264.24	2	2,540.53
1/4	66.48	1/4	338.21	1/4	614.30	1/4	889.72	1/4	1,164.84	1/4	1,441.13	1/4	1,717.42	1/4	1,993.71	1/4	2,270.00	1/4	2,546.28
1/2	72.23	1/2	343.96	1/2	620.05	1/2	895.44	1/2	1,170.60	1/2	1,446.89	1/2	1,723.18	1/2	1,999.47	1/2	2,275.76	1/2	2,552.04
3/4	77.99	3/4	349.72	3/4	625.81	3/4	901.15	3/4	1,176.36	3/4	1,452.65	3/4	1,728.93	3/4	2,005.22	3/4	2,281.51	3/4	2,557.80
3	83.74	3	355.47	3	631.56	3	906.87	3	1,182.11	3	1,458.40	3	1,734.69	3	2,010.98	3	2,287.27	3	2,563.55
1/4	89.49	1/4	361.22	1/4	637.31	1/4	912.58	1/4	1,187.87	1/4	1,464.16	1/4	1,740.44	1/4	2,016.73	1/4	2,293.02	1/4	2,569.31
1/2	95.11	1/2	366.97	1/2	643.06	1/2	918.30	1/2	1,193.63	1/2	1,469.92	1/2	1,746.20	1/2	2,022.49	1/2	2,298.78	1/2	2,575.07
3/4	100.72	3/4	372.72	3/4	648.82	3/4	924.01	3/4	1,199.38	3/4	1,475.67	3/4	1,751.96	3/4	2,028.25	3/4	2,304.53	3/4	2,580.82
4	106.34	4	378.47	4	654.57	4	929.73	4	1,205.14	4	1,481.43	4	1,757.71	4	2,034.00	4	2,310.29	4	2,586.58
1/4	111.95	1/4	384.22	1/4	660.32	1/4	935.44	1/4	1,210.89	1/4	1,487.18	1/4	1,763.47	1/4	2,039.76	1/4	2,316.04	1/4	2,592.33
1/2	117.52	1/2	389.97	1/2	666.07	1/2	941.16	1/2	1,216.65	1/2	1,492.94	1/2	1,769.23	1/2	2,045.52	1/2	2,321.80	1/2	2,598.09
3/4	123.09	3/4	395.73	3/4	671.83	3/4	946.88	3/4	1,222.41	3/4	1,498.69	3/4	1,774.98	3/4	2,051.27	3/4	2,327.56	3/4	2,603.85
5	128.66	5	401.48	5	677.58	5	952.59	5	1,228.16	5	1,504.45	5	1,780.74	5	2,057.03	5	2,333.31	5	2,609.60
1/4	134.23	1/4	407.23	1/4	683.33	1/4	958.31	1/4	1,233.92	1/4	1,510.20	1/4	1,786.49	1/4	2,062.78	1/4	2,339.07	1/4	2,615.36
1/2	139.80	1/2	412.98	1/2	689.08	1/2	964.03	1/2	1,239.68	1/2	1,515.96	1/2	1,792.25	1/2	2,068.54	1/2	2,344.83	1/2	2,621.12
3/4	145.37	3/4	418.74	3/4	694.84	3/4	969.74	3/4	1,245.43	3/4	1,521.72	3/4	1,798.01	3/4	2,074.29	3/4	2,350.58	3/4	2,626.87
6	150.94	6	424.49	6	700.59	6	975.46	6	1,251.19	6	1,527.47	6	1,803.76	6	2,080.05	6	2,356.34	6	2,632.63
1/4	156.51	1/4	430.24	1/4	706.34	1/4	981.17	1/4	1,256.94	1/4	1,533.23	1/4	1,809.52	1/4	2,085.80	1/4	2,362.09	1/4	2,638.38
1/2	162.08	1/2	435.99	1/2	712.09	1/2	986.89	1/2	1,262.70	1/2	1,538.99	1/2	1,815.28	1/2	2,091.56	1/2	2,367.85	1/2	2,644.14
3/4	167.65	3/4	441.75	3/4	717.84	3/4	992.61	3/4	1,268.45	3/4	1,544.74	3/4	1,821.03	3/4	2,097.32	3/4	2,373.61	3/4	2,649.90
7	173.22	7	447.50	7	723.59	7	998.32	7	1,274.21	7	1,550.50	7	1,826.79	7	2,103.07	7	2,379.36	7	2,655.65
1/4	178.79	1/4	453.25	1/4	729.34	1/4	1,004.04	1/4	1,279.96	1/4	1,556.25	1/4	1,832.54	1/4	2,108.83	1/4	2,385.12	1/4	2,661.41
1/2	184.36	1/2	459.00	1/2	735.09	1/2	1,009.76	1/2	1,285.72	1/2	1,562.01	1/2	1,838.30	1/2	2,114.59	1/2	2,390.88	1/2	2,667.17
3/4	189.93	3/4	464.76	3/4	740.85	3/4	1,015.47	3/4	1,291.48	3/4	1,567.77	3/4	1,844.05	3/4	2,120.34	3/4	2,396.63	3/4	2,672.92
8	195.50	8	470.51	8	746.60	8	1,021.19	8	1,297.23	8	1,573.52	8	1,849.81	8	2,126.10	8	2,402.39	8	2,678.68
1/4	201.07	1/4	476.26	1/4	752.35	1/4	1,026.90	1/4	1,302.99	1/4	1,579.28	1/4	1,855.56	1/4	2,131.85	1/4	2,408.14	1/4	2,684.43
1/2	206.64	1/2	482.01	1/2	758.10	1/2	1,032.62	1/2	1,308.75	1/2	1,585.04	1/2	1,861.32	1/2	2,137.61	1/2	2,413.90	1/2	2,690.19
3/4	212.21	3/4	487.76	3/4	763.86	3/4	1,038.33	3/4	1,314.50	3/4	1,590.79	3/4	1,867.08	3/4	2,143.37	3/4	2,419.65	3/4	2,695.94
9	217.78	9	493.51	9	769.61	9	1,044.05	9	1,320.26	9	1,596.55	9	1,872.83	9	2,149.12	9	2,425.41	9	2,701.70
1/4	223.35	1/4	499.26	1/4	775.36	1/4	1,049.76	1/4	1,326.01	1/4	1,602.30	1/4	1,878.59	1/4	2,154.88	1/4	2,431.16	1/4	2,707.45
1/2	229.06	1/2	505.01	1/2	781.09	1/2	1,055.51	1/2	1,331.77	1/2	1,608.06	1/2	1,884.35	1/2	2,160.64	1/2	2,436.92	1/2	2,713.21
3/4	234.77	3/4	510.77	3/4	786.84	3/4	1,061.26	3/4	1,337.53	3/4	1,613.81	3/4	1,890.10	3/4	2,166.39	3/4	2,442.68	3/4	2,718.97
10	240.47	10	516.52	10	792.54	10	1,067.00	10	1,343.28	10	1,619.57	10	1,895.86	10	2,172.15	10	2,448.43	10	2,724.72
1/4	246.18	1/4	522.27	1/4	798.26	1/4	1,072.75	1/4	1,349.04	1/4	1,625.32	1/4	1,901.61	1/4	2,177.90	1/4	2,454.19	1/4	2,730.48
1/2	251.93	1/2	528.02	1/2	803.98	1/2	1,078.51	1/2	1,354.80	1/2	1,631.08	1/2	1,907.37	1/2	2,183.66	1/2	2,459.95	1/2	2,736.24
3/4	257.69	3/4	533.78	3/4	809.69	3/4	1,084.26	3/4	1,360.55	3/4	1,636.84	3/4	1,913.13	3/4	2,189.41	3/4	2,465.70	3/4	2,741.99
11	263.44	11	539.53	11	815.41	11	1,090.02	11	1,366.31	11	1,642.59	11	1,918.88	11	2,195.17	11	2,471.46	11	2,747.75
1/4	269.19	1/4	545.28	1/4	821.12	1/4	1,095.77	1/4	1,372.06	1/4	1,648.35	1/4	1,924.64	1/4	2,200.92	1/4	2,477.21	1/4	2,753.50
1/2	274.94	1/2	551.03	1/2	826.84	1/2	1,101.53	1/2	1,377.82	1/2	1,654.11	1/2	1,930.40	1/2	2,206.68	1/2	2,482.97	1/2	2,759.26
3/4	280.69	3/4	556.79	3/4	832.56	3/4	1,107.29	3/4	1,383.57	3/4	1,659.86	3/4	1,936.15	3/4	2,212.44	3/4	2,488.73	3/4	2,765.02

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 INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 10'-09" OFF CENTERLINE AND 52'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "MMI 3052"

4 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	2,770.77	0	2,997.22	0	3,096.74	0		0		0		0		0		0		0	
1/4	2,776.53	1/4	2,999.35	1/4	3,098.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,782.29	1/2	3,001.42	1/2	3,100.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,788.04	3/4	3,003.50	3/4	3,102.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,793.80	1	3,005.57	1	3,105.02	1		1		1		1		1		1		1	
1/4	2,799.55	1/4	3,007.64	1/4	3,107.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,805.31	1/2	3,009.71	1/2	3,109.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,811.06	3/4	3,011.79	3/4	3,111.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,816.82	2	3,013.86	2	3,113.31	2		2		2		2		2		2		2	
1/4	2,822.57	1/4	3,015.93	1/4	3,115.38	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,828.33	1/2	3,018.00	1/2	3,117.45	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,834.09	3/4	3,020.07	3/4	3,119.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,839.84	3	3,022.14	3	3,121.60	3		3		3		3		3		3		3	
1/4	2,845.60	1/4	3,024.21	1/4	3,123.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,851.36	1/2	3,026.28	1/2	3,125.74	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,857.11	3/4	3,028.36	3/4	3,127.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,862.87	4	3,030.43	4	3,129.89	4		4		4		4		4		4		4	
1/4	2,868.62	1/4	3,032.50	1/4	3,131.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,874.38	1/2	3,034.57	1/2	3,133.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,880.14	3/4	3,036.65	3/4	3,135.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,885.89	5	3,038.72	5	3,137.64	5		5		5		5		5		5		5	
1/4	2,891.65	1/4	3,040.79	1/4	3,139.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,897.24	1/2	3,042.86	1/2	3,141.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,902.84	3/4	3,044.94	3/4	3,142.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,908.43	6	3,047.01	6	3,144.12	6		6		6		6		6		6		6	
1/4	2,914.02	1/4	3,049.08	1/4	3,145.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,919.13	1/2	3,051.15	1/2	3,146.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,924.25	3/4	3,053.23	3/4	3,148.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,929.36	7	3,055.30	7	3,149.17	7		7		7		7		7		7		7	
1/4	2,934.47	1/4	3,057.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,938.94	1/2	3,059.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,943.42	3/4	3,061.51	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,947.89	8	3,063.58	8		8		8		8		8		8		8		8	
1/4	2,952.36	1/4	3,065.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,956.19	1/2	3,067.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,960.03	3/4	3,069.80	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,963.86	9	3,071.87	9		9		9		9		9		9		9		9	
1/4	2,967.69	1/4	3,073.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,970.88	1/2	3,076.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,974.07	3/4	3,078.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,977.26	10	3,080.16	10		10		10		10		10		10		10		10	
1/4	2,980.45	1/4	3,082.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,983.04	1/2	3,084.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,985.64	3/4	3,086.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,988.23	11	3,088.45	11		11		11		11		11		11		11		11	
1/4	2,990.82	1/4	3,090.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,992.95	1/2	3,092.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,995.09	3/4	3,094.67	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2006 INSP.
RECALCULATED: 07/06/2021 PMA
REPRINTED: 07/06/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

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



BARGE "MMI 3052"

4 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	
0	20.66	0	286.44	0	562.54	0	838.27	0	1,113.04	0	1,389.33	0	1,665.62	0	1,941.91	0	2,218.19	0	2,494.48
1/4	24.11	1/4	292.19	1/4	568.29	1/4	843.99	1/4	1,118.80	1/4	1,395.08	1/4	1,671.37	1/4	1,947.66	1/4	2,223.95	1/4	2,500.24
1/2	28.95	1/2	297.94	1/2	574.04	1/2	849.71	1/2	1,124.56	1/2	1,400.84	1/2	1,677.13	1/2	1,953.42	1/2	2,229.71	1/2	2,506.00
3/4	33.79	3/4	303.70	3/4	579.80	3/4	855.42	3/4	1,130.31	3/4	1,406.60	3/4	1,682.89	3/4	1,959.17	3/4	2,235.46	3/4	2,511.75
1	38.63	1	309.45	1	585.55	1	861.14	1	1,136.07	1	1,412.35	1	1,688.64	1	1,964.93	1	2,241.22	1	2,517.51
1/4	43.47	1/4	315.20	1/4	591.30	1/4	866.85	1/4	1,141.82	1/4	1,418.11	1/4	1,694.40	1/4	1,970.68	1/4	2,246.97	1/4	2,523.26
1/2	49.22	1/2	320.95	1/2	597.05	1/2	872.57	1/2	1,147.58	1/2	1,423.87	1/2	1,700.16	1/2	1,976.44	1/2	2,252.73	1/2	2,529.02
3/4	54.98	3/4	326.71	3/4	602.80	3/4	878.29	3/4	1,153.33	3/4	1,429.62	3/4	1,705.91	3/4	1,982.20	3/4	2,258.49	3/4	2,534.77
2	60.73	2	332.46	2	608.55	2	884.00	2	1,159.09	2	1,435.38	2	1,711.67	2	1,987.95	2	2,264.24	2	2,540.53
1/4	66.48	1/4	338.21	1/4	614.30	1/4	889.72	1/4	1,164.84	1/4	1,441.13	1/4	1,717.42	1/4	1,993.71	1/4	2,270.00	1/4	2,546.28
1/2	72.23	1/2	343.96	1/2	620.05	1/2	895.44	1/2	1,170.60	1/2	1,446.89	1/2	1,723.18	1/2	1,999.47	1/2	2,275.76	1/2	2,552.04
3/4	77.99	3/4	349.72	3/4	625.81	3/4	901.15	3/4	1,176.36	3/4	1,452.65	3/4	1,728.93	3/4	2,005.22	3/4	2,281.51	3/4	2,557.80
3	83.74	3	355.47	3	631.56	3	906.87	3	1,182.11	3	1,458.40	3	1,734.69	3	2,010.98	3	2,287.27	3	2,563.55
1/4	89.49	1/4	361.22	1/4	637.31	1/4	912.58	1/4	1,187.87	1/4	1,464.16	1/4	1,740.44	1/4	2,016.73	1/4	2,293.02	1/4	2,569.31
1/2	95.11	1/2	366.97	1/2	643.06	1/2	918.30	1/2	1,193.63	1/2	1,469.92	1/2	1,746.20	1/2	2,022.49	1/2	2,298.78	1/2	2,575.07
3/4	100.72	3/4	372.72	3/4	648.82	3/4	924.01	3/4	1,199.38	3/4	1,475.67	3/4	1,751.96	3/4	2,028.25	3/4	2,304.53	3/4	2,580.82
4	106.34	4	378.47	4	654.57	4	929.73	4	1,205.14	4	1,481.43	4	1,757.71	4	2,034.00	4	2,310.29	4	2,586.58
1/4	111.95	1/4	384.22	1/4	660.32	1/4	935.44	1/4	1,210.89	1/4	1,487.18	1/4	1,763.47	1/4	2,039.76	1/4	2,316.04	1/4	2,592.33
1/2	117.52	1/2	389.97	1/2	666.07	1/2	941.16	1/2	1,216.65	1/2	1,492.94	1/2	1,769.23	1/2	2,045.52	1/2	2,321.80	1/2	2,598.09
3/4	123.09	3/4	395.73	3/4	671.83	3/4	946.88	3/4	1,222.41	3/4	1,498.69	3/4	1,774.98	3/4	2,051.27	3/4	2,327.56	3/4	2,603.85
5	128.66	5	401.48	5	677.58	5	952.59	5	1,228.16	5	1,504.45	5	1,780.74	5	2,057.03	5	2,333.31	5	2,609.60
1/4	134.23	1/4	407.23	1/4	683.33	1/4	958.31	1/4	1,233.92	1/4	1,510.20	1/4	1,786.49	1/4	2,062.78	1/4	2,339.07	1/4	2,615.36
1/2	139.80	1/2	412.98	1/2	689.08	1/2	964.03	1/2	1,239.68	1/2	1,515.96	1/2	1,792.25	1/2	2,068.54	1/2	2,344.83	1/2	2,621.12
3/4	145.37	3/4	418.74	3/4	694.84	3/4	969.74	3/4	1,245.43	3/4	1,521.72	3/4	1,798.01	3/4	2,074.29	3/4	2,350.58	3/4	2,626.87
6	150.94	6	424.49	6	700.59	6	975.46	6	1,251.19	6	1,527.47	6	1,803.76	6	2,080.05	6	2,356.34	6	2,632.63
1/4	156.51	1/4	430.24	1/4	706.34	1/4	981.17	1/4	1,256.94	1/4	1,533.23	1/4	1,809.52	1/4	2,085.80	1/4	2,362.09	1/4	2,638.38
1/2	162.08	1/2	435.99	1/2	712.09	1/2	986.89	1/2	1,262.70	1/2	1,538.99	1/2	1,815.28	1/2	2,091.56	1/2	2,367.85	1/2	2,644.14
3/4	167.65	3/4	441.75	3/4	717.84	3/4	992.61	3/4	1,268.45	3/4	1,544.74	3/4	1,821.03	3/4	2,097.32	3/4	2,373.61	3/4	2,649.90
7	173.22	7	447.50	7	723.59	7	998.32	7	1,274.21	7	1,550.50	7	1,826.79	7	2,103.07	7	2,379.36	7	2,655.65
1/4	178.79	1/4	453.25	1/4	729.34	1/4	1,004.04	1/4	1,279.96	1/4	1,556.25	1/4	1,832.54	1/4	2,108.83	1/4	2,385.12	1/4	2,661.41
1/2	184.36	1/2	459.00	1/2	735.09	1/2	1,009.76	1/2	1,285.72	1/2	1,562.01	1/2	1,838.30	1/2	2,114.59	1/2	2,390.88	1/2	2,667.17
3/4	189.93	3/4	464.76	3/4	740.85	3/4	1,015.47	3/4	1,291.48	3/4	1,567.77	3/4	1,844.05	3/4	2,120.34	3/4	2,396.63	3/4	2,672.92
8	195.50	8	470.51	8	746.60	8	1,021.19	8	1,297.23	8	1,573.52	8	1,849.81	8	2,126.10	8	2,402.39	8	2,678.68
1/4	201.07	1/4	476.26	1/4	752.35	1/4	1,026.90	1/4	1,302.99	1/4	1,579.28	1/4	1,855.56	1/4	2,131.85	1/4	2,408.14	1/4	2,684.43
1/2	206.64	1/2	482.01	1/2	758.10	1/2	1,032.62	1/2	1,308.75	1/2	1,585.04	1/2	1,861.32	1/2	2,137.61	1/2	2,413.90	1/2	2,690.19
3/4	212.21	3/4	487.76	3/4	763.86	3/4	1,038.33	3/4	1,314.50	3/4	1,590.79	3/4	1,867.08	3/4	2,143.37	3/4	2,419.65	3/4	2,695.94
9	217.78	9	493.51	9	769.61	9	1,044.05	9	1,320.26	9	1,596.55	9	1,872.83	9	2,149.12	9	2,425.41	9	2,701.70
1/4	223.35	1/4	499.26	1/4	775.36	1/4	1,049.76	1/4	1,326.01	1/4	1,602.30	1/4	1,878.59	1/4	2,154.88	1/4	2,431.16	1/4	2,707.45
1/2	229.06	1/2	505.01	1/2	781.09	1/2	1,055.51	1/2	1,331.77	1/2	1,608.06	1/2	1,884.35	1/2	2,160.64	1/2	2,436.92	1/2	2,713.21
3/4	234.77	3/4	510.77	3/4	786.81	3/4	1,061.26	3/4	1,337.53	3/4	1,613.81	3/4	1,890.10	3/4	2,166.39	3/4	2,442.68	3/4	2,718.97
10	240.47	10	516.52	10	792.54	10	1,067.00	10	1,343.28	10	1,619.57	10	1,895.86	10	2,172.15	10	2,448.43	10	2,724.72
1/4	246.18	1/4	522.27	1/4	798.26	1/4	1,072.75	1/4	1,349.04	1/4	1,625.32	1/4	1,901.61	1/4	2,177.90	1/4	2,454.19	1/4	2,730.48
1/2	251.93	1/2	528.02	1/2	803.98	1/2	1,078.51	1/2	1,354.80	1/2	1,631.08	1/2	1,907.37	1/2	2,183.66	1/2	2,459.95	1/2	2,736.24
3/4	257.69	3/4	533.78	3/4	809.69	3/4	1,084.26	3/4	1,360.55	3/4	1,636.84	3/4	1,913.13	3/4	2,189.41	3/4	2,465.70	3/4	2,741.99
11	263.44	11	539.53	11	815.41	11	1,090.02	11	1,366.31	11	1,642.59	11	1,918.88	11	2,195.17	11	2,471.46	11	2,747.75
1/4	269.19	1/4	545.28	1/4	821.12	1/4	1,095.77	1/4	1,372.06	1/4	1,648.35	1/4	1,924.64	1/4	2,200.92	1/4	2,477.21	1/4	2,753.50
1/2	274.94	1/2	551.03	1/2	826.84	1/2	1,101.53	1/2	1,377.82	1/2	1,654.11	1/2	1,930.40	1/2	2,206.68	1/2	2,482.97	1/2	2,759.26
3/4	280.69	3/4	556.79	3/4	832.56	3/4	1,107.29	3/4	1,383.57	3/4	1,659.86	3/4	1,936.15	3/4	2,212.44	3/4	2,488.73	3/4	2,765.02

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 INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.

GAUGE POINT: (2" STANDPIPE) LOCATED 10'-09" OFF CENTERLINE AND 52'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "MMI 3052"

4 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	2,770.77	0	2,997.22	0	3,096.74	0		0		0		0		0		0		0	
1/4	2,776.53	1/4	2,999.35	1/4	3,098.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,782.29	1/2	3,001.42	1/2	3,100.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,788.04	3/4	3,003.50	3/4	3,102.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,793.80	1	3,005.57	1	3,105.02	1		1		1		1		1		1		1	
1/4	2,799.55	1/4	3,007.64	1/4	3,107.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,805.31	1/2	3,009.71	1/2	3,109.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,811.06	3/4	3,011.79	3/4	3,111.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,816.82	2	3,013.86	2	3,113.31	2		2		2		2		2		2		2	
1/4	2,822.57	1/4	3,015.93	1/4	3,115.38	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,828.33	1/2	3,018.00	1/2	3,117.45	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,834.09	3/4	3,020.07	3/4	3,119.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,839.84	3	3,022.14	3	3,121.60	3		3		3		3		3		3		3	
1/4	2,845.60	1/4	3,024.21	1/4	3,123.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,851.36	1/2	3,026.28	1/2	3,125.74	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,857.11	3/4	3,028.36	3/4	3,127.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,862.87	4	3,030.43	4	3,129.89	4		4		4		4		4		4		4	
1/4	2,868.62	1/4	3,032.50	1/4	3,131.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,874.38	1/2	3,034.57	1/2	3,133.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,880.14	3/4	3,036.65	3/4	3,135.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,885.89	5	3,038.72	5	3,137.64	5		5		5		5		5		5		5	
1/4	2,891.65	1/4	3,040.79	1/4	3,139.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,897.24	1/2	3,042.86	1/2	3,141.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,902.84	3/4	3,044.94	3/4	3,142.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,908.43	6	3,047.01	6	3,144.12	6		6		6		6		6		6		6	
1/4	2,914.02	1/4	3,049.08	1/4	3,145.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,919.13	1/2	3,051.15	1/2	3,146.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,924.25	3/4	3,053.23	3/4	3,148.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,929.36	7	3,055.30	7	3,149.17	7		7		7		7		7		7		7	
1/4	2,934.47	1/4	3,057.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,938.94	1/2	3,059.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,943.42	3/4	3,061.51	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,947.89	8	3,063.58	8		8		8		8		8		8		8		8	
1/4	2,952.36	1/4	3,065.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,956.19	1/2	3,067.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,960.03	3/4	3,069.80	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,963.86	9	3,071.87	9		9		9		9		9		9		9		9	
1/4	2,967.69	1/4	3,073.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,970.88	1/2	3,076.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,974.07	3/4	3,078.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,977.26	10	3,080.16	10		10		10		10		10		10		10		10	
1/4	2,980.45	1/4	3,082.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,983.04	1/2	3,084.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,985.64	3/4	3,086.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,988.23	11	3,088.45	11		11		11		11		11		11		11		11	
1/4	2,990.82	1/4	3,090.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,992.95	1/2	3,092.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,995.09	3/4	3,094.67	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2006 INSP.
RECALCULATED: 07/06/2021 PMA
REPRINTED: 07/06/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

PRECISION MEASUREMENT
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BARGE "MMI 3052"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-08"

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	1,299	0	3,063	0	4,922	0	6,618	0		0		0		0		0	
1/4	16	1/4	1,333	1/4	3,102	1/4	4,959	1/4	6,649	1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	1,368	1/2	3,141	1/2	4,997	1/2	6,680	1/2		1/2		1/2		1/2		1/2	
3/4	48	3/4	1,402	3/4	3,179	3/4	5,035	3/4	6,711	3/4		3/4		3/4		3/4		3/4	
1	64	1	1,436	1	3,218	1	5,073	1	6,742	1		1		1		1		1	
1/4	84	1/4	1,471	1/4	3,257	1/4	5,110	1/4	6,772	1/4		1/4		1/4		1/4		1/4	
1/2	104	1/2	1,506	1/2	3,296	1/2	5,148	1/2	6,802	1/2		1/2		1/2		1/2		1/2	
3/4	124	3/4	1,540	3/4	3,334	3/4	5,186	3/4	6,832	3/4		3/4		3/4		3/4		3/4	
2	144	2	1,575	2	3,373	2	5,223	2	6,862	2		2		2		2		2	
1/4	167	1/4	1,611	1/4	3,412	1/4	5,260	1/4	6,891	1/4		1/4		1/4		1/4		1/4	
1/2	190	1/2	1,646	1/2	3,451	1/2	5,297	1/2	6,919	1/2		1/2		1/2		1/2		1/2	
3/4	212	3/4	1,681	3/4	3,490	3/4	5,335	3/4	6,948	3/4		3/4		3/4		3/4		3/4	
3	235	3	1,717	3	3,529	3	5,372	3	6,977	3		3		3		3		3	
1/4	259	1/4	1,753	1/4	3,568	1/4	5,409	1/4	7,005	1/4		1/4		1/4		1/4		1/4	
1/2	284	1/2	1,788	1/2	3,607	1/2	5,445	1/2	7,032	1/2		1/2		1/2		1/2		1/2	
3/4	308	3/4	1,824	3/4	3,646	3/4	5,482	3/4	7,060	3/4		3/4		3/4		3/4		3/4	
4	333	4	1,860	4	3,685	4	5,519	4	7,087	4		4		4		4		4	
1/4	359	1/4	1,897	1/4	3,723	1/4	5,555	1/4	7,114	1/4		1/4		1/4		1/4		1/4	
1/2	385	1/2	1,933	1/2	3,762	1/2	5,592	1/2	7,140	1/2		1/2		1/2		1/2		1/2	
3/4	411	3/4	1,969	3/4	3,801	3/4	5,628	3/4	7,166	3/4		3/4		3/4		3/4		3/4	
5	437	5	2,006	5	3,840	5	5,665	5	7,192	5		5		5		5		5	
1/4	465	1/4	2,043	1/4	3,879	1/4	5,701	1/4	7,217	1/4		1/4		1/4		1/4		1/4	
1/2	493	1/2	2,079	1/2	3,918	1/2	5,736	1/2	7,241	1/2		1/2		1/2		1/2		1/2	
3/4	520	3/4	2,116	3/4	3,957	3/4	5,772	3/4	7,266	3/4		3/4		3/4		3/4		3/4	
6	548	6	2,153	6	3,996	6	5,808	6	7,290	6		6		6		6		6	
1/4	577	1/4	2,190	1/4	4,035	1/4	5,844	1/4	7,313	1/4		1/4		1/4		1/4		1/4	
1/2	605	1/2	2,227	1/2	4,074	1/2	5,879	1/2	7,335	1/2		1/2		1/2		1/2		1/2	
3/4	634	3/4	2,265	3/4	4,113	3/4	5,914	3/4	7,358	3/4		3/4		3/4		3/4		3/4	
7	663	7	2,302	7	4,152	7	5,950	7	7,380	7		7		7		7		7	
1/4	693	1/4	2,339	1/4	4,190	1/4	5,985	1/4	7,400	1/4		1/4		1/4		1/4		1/4	
1/2	723	1/2	2,377	1/2	4,229	1/2	6,019	1/2	7,420	1/2		1/2		1/2		1/2		1/2	
3/4	753	3/4	2,414	3/4	4,268	3/4	6,054	3/4	7,440	3/4		3/4		3/4		3/4		3/4	
8	783	8	2,452	8	4,307	8	6,089	8	7,461	8		8		8		8		8	
1/4	814	1/4	2,490	1/4	4,346	1/4	6,123	1/4	7,477	1/4		1/4		1/4		1/4		1/4	
1/2	845	1/2	2,528	1/2	4,384	1/2	6,157	1/2	7,493	1/2		1/2		1/2		1/2		1/2	
3/4	876	3/4	2,565	3/4	4,423	3/4	6,191	3/4	7,509	3/4		3/4		3/4		3/4		3/4	
9	907	9	2,603	9	4,462	9	6,226	9	7,525	9		9		9		9		9	
1/4	939	1/4	2,641	1/4	4,500	1/4	6,259	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	971	1/2	2,680	1/2	4,539	1/2	6,293	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,003	3/4	2,718	3/4	4,577	3/4	6,326	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,034	10	2,756	10	4,616	10	6,360	10		10		10		10		10		10	
1/4	1,067	1/4	2,794	1/4	4,654	1/4	6,392	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,100	1/2	2,832	1/2	4,692	1/2	6,425	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,133	3/4	2,871	3/4	4,731	3/4	6,458	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,165	11	2,909	11	4,769	11	6,490	11		11		11		11		11		11	
1/4	1,199	1/4	2,948	1/4	4,807	1/4	6,522	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,232	1/2	2,986	1/2	4,845	1/2	6,554	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,266	3/4	3,025	3/4	4,883	3/4	6,586	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 INNAGE GAUGES TAKEN AT 8" HATCH

STRAPPED: 07/06/2021 JS
 CALCULATED: 07/06/2021 CL
 PRINTED: 07/06/2021 SW

CANCELS AND SUPERCEDES
 ALL PRIOR TO 07/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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