



BARGE "MMI 3022"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15-04 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	21.15	0	339.25	0	709.52	0	1,082.88	0	1,457.07	0	1,831.37	0	2,205.68	0	2,579.98	0	2,954.29	0	3,328.59
1/4	25.25	1/4	346.75	1/4	717.32	1/4	1,090.66	1/4	1,464.87	1/4	1,839.17	1/4	2,213.48	1/4	2,587.78	1/4	2,962.09	1/4	3,336.39
1/2	29.34	1/2	354.24	1/2	725.12	1/2	1,098.43	1/2	1,472.67	1/2	1,846.97	1/2	2,221.27	1/2	2,595.58	1/2	2,969.89	1/2	3,344.19
3/4	33.44	3/4	361.74	3/4	732.91	3/4	1,106.21	3/4	1,480.46	3/4	1,854.77	3/4	2,229.07	3/4	2,603.37	3/4	2,977.68	3/4	3,351.98
1	37.53	1	369.23	1	740.71	1	1,113.98	1	1,488.26	1	1,862.57	1	2,236.87	1	2,611.17	1	2,985.48	1	3,359.78
1/4	42.80	1/4	376.78	1/4	748.49	1/4	1,121.77	1/4	1,496.06	1/4	1,870.37	1/4	2,244.67	1/4	2,618.97	1/4	2,993.28	1/4	3,367.58
1/2	48.07	1/2	384.33	1/2	756.28	1/2	1,129.57	1/2	1,503.86	1/2	1,878.16	1/2	2,252.46	1/2	2,626.77	1/2	3,001.08	1/2	3,375.38
3/4	53.34	3/4	391.87	3/4	764.06	3/4	1,137.36	3/4	1,511.65	3/4	1,885.96	3/4	2,260.26	3/4	2,634.57	3/4	3,008.87	3/4	3,383.17
2	58.61	2	399.42	2	771.84	2	1,145.15	2	1,519.45	2	1,893.76	2	2,268.06	2	2,642.37	2	3,016.67	2	3,390.97
1/4	64.86	1/4	406.97	1/4	779.62	1/4	1,152.95	1/4	1,527.25	1/4	1,901.56	1/4	2,275.86	1/4	2,650.17	1/4	3,024.47	1/4	3,398.77
1/2	71.11	1/2	414.52	1/2	787.39	1/2	1,160.75	1/2	1,535.05	1/2	1,909.35	1/2	2,283.65	1/2	2,657.97	1/2	3,032.27	1/2	3,406.57
3/4	77.35	3/4	422.07	3/4	795.17	3/4	1,168.54	3/4	1,542.85	3/4	1,917.15	3/4	2,291.45	3/4	2,665.76	3/4	3,040.06	3/4	3,414.37
3	83.60	3	429.62	3	802.94	3	1,176.34	3	1,550.65	3	1,924.95	3	2,299.25	3	2,673.56	3	3,047.86	3	3,422.17
1/4	90.45	1/4	437.30	1/4	810.72	1/4	1,184.14	1/4	1,558.45	1/4	1,932.75	1/4	2,307.05	1/4	2,681.36	1/4	3,055.66	1/4	3,429.97
1/2	97.30	1/2	444.98	1/2	818.49	1/2	1,191.94	1/2	1,566.25	1/2	1,940.54	1/2	2,314.85	1/2	2,689.16	1/2	3,063.46	1/2	3,437.77
3/4	104.14	3/4	452.66	3/4	826.27	3/4	1,199.73	3/4	1,574.04	3/4	1,948.34	3/4	2,322.65	3/4	2,696.95	3/4	3,071.25	3/4	3,445.56
4	110.99	4	460.34	4	834.04	4	1,207.53	4	1,581.84	4	1,956.14	4	2,330.45	4	2,704.75	4	3,079.05	4	3,453.36
1/4	117.90	1/4	468.07	1/4	841.82	1/4	1,215.33	1/4	1,589.64	1/4	1,963.94	1/4	2,338.25	1/4	2,712.55	1/4	3,086.85	1/4	3,461.16
1/2	124.80	1/2	475.80	1/2	849.60	1/2	1,223.13	1/2	1,597.44	1/2	1,971.73	1/2	2,346.05	1/2	2,720.35	1/2	3,094.65	1/2	3,468.96
3/4	131.71	3/4	483.52	3/4	857.37	3/4	1,230.93	3/4	1,605.23	3/4	1,979.53	3/4	2,353.84	3/4	2,728.14	3/4	3,102.45	3/4	3,476.75
5	138.61	5	491.25	5	865.15	5	1,238.73	5	1,613.03	5	1,987.33	5	2,361.64	5	2,735.94	5	3,110.25	5	3,484.55
1/4	145.52	1/4	499.03	1/4	872.93	1/4	1,246.53	1/4	1,620.83	1/4	1,995.13	1/4	2,369.44	1/4	2,743.74	1/4	3,118.05	1/4	3,492.35
1/2	152.42	1/2	506.81	1/2	880.70	1/2	1,254.33	1/2	1,628.63	1/2	2,002.93	1/2	2,377.24	1/2	2,751.54	1/2	3,125.85	1/2	3,500.15
3/4	159.33	3/4	514.59	3/4	888.48	3/4	1,262.12	3/4	1,636.42	3/4	2,010.73	3/4	2,385.03	3/4	2,759.33	3/4	3,133.64	3/4	3,507.94
6	166.23	6	522.37	6	896.25	6	1,269.92	6	1,644.22	6	2,018.53	6	2,392.83	6	2,767.13	6	3,141.44	6	3,515.74
1/4	173.30	1/4	530.17	1/4	904.03	1/4	1,277.72	1/4	1,652.02	1/4	2,026.33	1/4	2,400.63	1/4	2,774.93	1/4	3,149.24	1/4	3,523.54
1/2	180.37	1/2	537.97	1/2	911.81	1/2	1,285.52	1/2	1,659.81	1/2	2,034.12	1/2	2,408.43	1/2	2,782.73	1/2	3,157.04	1/2	3,531.34
3/4	187.43	3/4	545.76	3/4	919.58	3/4	1,293.31	3/4	1,667.61	3/4	2,041.92	3/4	2,416.22	3/4	2,790.53	3/4	3,164.83	3/4	3,539.13
7	194.50	7	553.56	7	927.36	7	1,301.11	7	1,675.41	7	2,049.72	7	2,424.02	7	2,798.33	7	3,172.63	7	3,546.93
1/4	201.62	1/4	561.36	1/4	935.14	1/4	1,308.91	1/4	1,683.21	1/4	2,057.52	1/4	2,431.82	1/4	2,806.13	1/4	3,180.43	1/4	3,554.73
1/2	208.74	1/2	569.16	1/2	942.91	1/2	1,316.71	1/2	1,691.01	1/2	2,065.31	1/2	2,439.62	1/2	2,813.93	1/2	3,188.23	1/2	3,562.53
3/4	215.86	3/4	576.95	3/4	950.69	3/4	1,324.50	3/4	1,698.81	3/4	2,073.11	3/4	2,447.41	3/4	2,821.72	3/4	3,196.02	3/4	3,570.33
8	222.98	8	584.75	8	958.46	8	1,332.30	8	1,706.61	8	2,080.91	8	2,455.21	8	2,829.52	8	3,203.82	8	3,578.13
1/4	230.10	1/4	592.55	1/4	966.24	1/4	1,340.10	1/4	1,714.41	1/4	2,088.71	1/4	2,463.01	1/4	2,837.32	1/4	3,211.62	1/4	3,585.93
1/2	237.22	1/2	600.35	1/2	974.01	1/2	1,347.90	1/2	1,722.20	1/2	2,096.50	1/2	2,470.81	1/2	2,845.12	1/2	3,219.42	1/2	3,593.73
3/4	244.34	3/4	608.14	3/4	981.79	3/4	1,355.69	3/4	1,730.00	3/4	2,104.30	3/4	2,478.61	3/4	2,852.91	3/4	3,227.21	3/4	3,601.52
9	251.46	9	615.94	9	989.56	9	1,363.49	9	1,737.80	9	2,112.10	9	2,486.41	9	2,860.71	9	3,235.01	9	3,609.32
1/4	258.74	1/4	623.74	1/4	997.34	1/4	1,371.29	1/4	1,745.60	1/4	2,119.90	1/4	2,494.21	1/4	2,868.51	1/4	3,242.81	1/4	3,617.12
1/2	266.02	1/2	631.54	1/2	1,005.12	1/2	1,379.09	1/2	1,753.39	1/2	2,127.69	1/2	2,502.01	1/2	2,876.31	1/2	3,250.61	1/2	3,624.92
3/4	273.30	3/4	639.33	3/4	1,012.89	3/4	1,386.89	3/4	1,761.19	3/4	2,135.49	3/4	2,509.80	3/4	2,884.10	3/4	3,258.41	3/4	3,632.71
10	280.58	10	647.13	10	1,020.67	10	1,394.69	10	1,768.99	10	2,143.29	10	2,517.60	10	2,891.90	10	3,266.21	10	3,640.51
1/4	287.92	1/4	654.93	1/4	1,028.45	1/4	1,402.49	1/4	1,776.79	1/4	2,151.09	1/4	2,525.40	1/4	2,899.70	1/4	3,274.01	1/4	3,648.31
1/2	295.25	1/2	662.73	1/2	1,036.22	1/2	1,410.29	1/2	1,784.58	1/2	2,158.89	1/2	2,533.20	1/2	2,907.50	1/2	3,281.81	1/2	3,656.11
3/4	302.59	3/4	670.53	3/4	1,044.00	3/4	1,418.08	3/4	1,792.38	3/4	2,166.69	3/4	2,540.99	3/4	2,915.29	3/4	3,289.60	3/4	3,663.90
11	309.92	11	678.33	11	1,051.77	11	1,425.88	11	1,800.18	11	2,174.49	11	2,548.79	11	2,923.09	11	3,297.40	11	3,671.70
1/4	317.25	1/4	686.13	1/4	1,059.55	1/4	1,433.68	1/4	1,807.98	1/4	2,182.29	1/4	2,556.59	1/4	2,930.89	1/4	3,305.20	1/4	3,679.50
1/2	324.59	1/2	693.93	1/2	1,067.33	1/2	1,441.48	1/2	1,815.77	1/2	2,190.08	1/2	2,564.39	1/2	2,938.69	1/2	3,313.00	1/2	3,687.30
3/4	331.92	3/4	701.72	3/4	1,075.10	3/4	1,449.27	3/4	1,823.57	3/4	2,197.88	3/4	2,572.18	3/4	2,946.49	3/4	3,320.79	3/4	3,695.09

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
GAUGE POINT: RIM OF 2" DIA. BALL VALVE LOCATED NEAR CENTER OF TANK.

PRECISION MEASUREMENT
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P.O. Box 2092
Pearland, Texas 77588
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BARGE "MMI 3022"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15-04 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	3,702.89	0	4,077.20	0	4,451.50	0	4,823.98	0	5,183.60	0		0		0		0		0	
1/4	3,710.69	1/4	4,085.00	1/4	4,459.30	1/4	4,831.59	1/4	5,190.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,718.49	1/2	4,092.80	1/2	4,467.10	1/2	4,839.20	1/2	5,197.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,726.29	3/4	4,100.59	3/4	4,474.89	3/4	4,846.80	3/4	5,204.44	3/4		3/4		3/4		3/4		3/4	
1	3,734.09	1	4,108.39	1	4,482.69	1	4,854.41	1	5,211.38	1		1		1		1		1	
1/4	3,741.89	1/4	4,116.19	1/4	4,490.49	1/4	4,862.02	1/4	5,217.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,749.69	1/2	4,123.99	1/2	4,498.29	1/2	4,869.62	1/2	5,223.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,757.48	3/4	4,131.78	3/4	4,506.09	3/4	4,877.23	3/4	5,229.02	3/4		3/4		3/4		3/4		3/4	
2	3,765.28	2	4,139.58	2	4,513.89	2	4,884.83	2	5,234.90	2		2		2		2		2	
1/4	3,773.08	1/4	4,147.38	1/4	4,521.69	1/4	4,892.44	1/4	5,239.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,780.88	1/2	4,155.18	1/2	4,529.49	1/2	4,900.04	1/2	5,243.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,788.67	3/4	4,162.97	3/4	4,537.28	3/4	4,907.65	3/4	5,248.29	3/4		3/4		3/4		3/4		3/4	
3	3,796.47	3	4,170.77	3	4,545.08	3	4,915.25	3	5,252.75	3		3		3		3		3	
1/4	3,804.27	1/4	4,178.57	1/4	4,552.88	1/4	4,922.78	1/4	5,255.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,812.07	1/2	4,186.37	1/2	4,560.68	1/2	4,930.31	1/2	5,258.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,819.86	3/4	4,194.17	3/4	4,568.47	3/4	4,937.84	3/4	5,261.65	3/4		3/4		3/4		3/4		3/4	
4	3,827.66	4	4,201.97	4	4,576.27	4	4,945.37	4	5,264.62	4		4		4		4		4	
1/4	3,835.46	1/4	4,209.77	1/4	4,584.07	1/4	4,952.90	1/4	5,266.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,843.26	1/2	4,217.57	1/2	4,591.87	1/2	4,960.43	1/2	5,267.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,851.05	3/4	4,225.36	3/4	4,599.66	3/4	4,967.96	3/4	5,269.27	3/4		3/4		3/4		3/4		3/4	
5	3,858.85	5	4,233.16	5	4,607.46	5	4,975.49	5	5,270.82	5		5		5		5		5	
1/4	3,866.65	1/4	4,240.96	1/4	4,615.26	1/4	4,983.02	1/4	5,271.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,874.45	1/2	4,248.76	1/2	4,623.06	1/2	4,990.55	1/2	5,271.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,882.25	3/4	4,256.55	3/4	4,630.85	3/4	4,998.08	3/4	5,272.18	3/4		3/4		3/4		3/4		3/4	
6	3,890.05	6	4,264.35	6	4,638.65	6	5,005.61	6	5,272.63	6		6		6		6		6	
1/4	3,897.85	1/4	4,272.15	1/4	4,646.41	1/4	5,013.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,905.65	1/2	4,279.95	1/2	4,654.17	1/2	5,020.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,913.44	3/4	4,287.74	3/4	4,661.93	3/4	5,027.98	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,921.24	7	4,295.54	7	4,669.69	7	5,035.43	7		7		7		7		7		7	
1/4	3,929.04	1/4	4,303.34	1/4	4,677.45	1/4	5,042.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,936.84	1/2	4,311.14	1/2	4,685.21	1/2	5,050.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,944.63	3/4	4,318.93	3/4	4,692.97	3/4	5,057.80	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,952.43	8	4,326.73	8	4,700.73	8	5,065.25	8		8		8		8		8		8	
1/4	3,960.23	1/4	4,334.53	1/4	4,708.49	1/4	5,072.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,968.03	1/2	4,342.33	1/2	4,716.25	1/2	5,080.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,975.82	3/4	4,350.13	3/4	4,724.01	3/4	5,087.61	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,983.62	9	4,357.93	9	4,731.77	9	5,095.06	9		9		9		9		9		9	
1/4	3,991.42	1/4	4,365.73	1/4	4,739.46	1/4	5,102.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,999.22	1/2	4,373.53	1/2	4,747.14	1/2	5,109.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,007.01	3/4	4,381.32	3/4	4,754.83	3/4	5,117.19	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,014.81	10	4,389.12	10	4,762.51	10	5,124.57	10		10		10		10		10		10	
1/4	4,022.61	1/4	4,396.92	1/4	4,770.20	1/4	5,131.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,030.41	1/2	4,404.72	1/2	4,777.88	1/2	5,139.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,038.21	3/4	4,412.51	3/4	4,785.57	3/4	5,146.71	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,046.01	11	4,420.31	11	4,793.25	11	5,154.09	11		11		11		11		11		11	
1/4	4,053.81	1/4	4,428.11	1/4	4,800.93	1/4	5,161.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,061.61	1/2	4,435.91	1/2	4,808.62	1/2	5,168.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,069.40	3/4	4,443.70	3/4	4,816.30	3/4	5,176.22	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 06/12/2000 INSP
REPRINTED: 08/25/2018

CANCELS AND SUPERCEDES
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CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MMI 3022"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	37.53	0	369.23	0	740.71	0	1,113.98	0	1,488.26	0	1,862.57	0	2,236.87	0	2,611.17	0	2,985.48	0	3,359.78
1/4	42.80	1/4	376.78	1/4	748.49	1/4	1,121.77	1/4	1,496.06	1/4	1,870.37	1/4	2,244.67	1/4	2,618.97	1/4	2,993.28	1/4	3,367.58
1/2	48.07	1/2	384.33	1/2	756.28	1/2	1,129.57	1/2	1,503.86	1/2	1,878.16	1/2	2,252.46	1/2	2,626.77	1/2	3,001.08	1/2	3,375.38
3/4	53.34	3/4	391.87	3/4	764.06	3/4	1,137.36	3/4	1,511.65	3/4	1,885.96	3/4	2,260.26	3/4	2,634.57	3/4	3,008.87	3/4	3,383.17
1	58.61	1	399.42	1	771.84	1	1,145.15	1	1,519.45	1	1,893.76	1	2,268.06	1	2,642.37	1	3,016.67	1	3,390.97
1/4	64.86	1/4	406.97	1/4	779.62	1/4	1,152.95	1/4	1,527.25	1/4	1,901.56	1/4	2,275.86	1/4	2,650.17	1/4	3,024.47	1/4	3,398.77
1/2	71.11	1/2	414.52	1/2	787.39	1/2	1,160.75	1/2	1,535.05	1/2	1,909.35	1/2	2,283.65	1/2	2,657.97	1/2	3,032.27	1/2	3,406.57
3/4	77.35	3/4	422.07	3/4	795.17	3/4	1,168.54	3/4	1,542.85	3/4	1,917.15	3/4	2,291.45	3/4	2,665.76	3/4	3,040.06	3/4	3,414.37
2	83.60	2	429.62	2	802.94	2	1,176.34	2	1,550.65	2	1,924.95	2	2,299.25	2	2,673.56	2	3,047.86	2	3,422.17
1/4	90.45	1/4	437.30	1/4	810.72	1/4	1,184.14	1/4	1,558.45	1/4	1,932.75	1/4	2,307.05	1/4	2,681.36	1/4	3,055.66	1/4	3,429.97
1/2	97.30	1/2	444.98	1/2	818.49	1/2	1,191.94	1/2	1,566.25	1/2	1,940.54	1/2	2,314.85	1/2	2,689.16	1/2	3,063.46	1/2	3,437.77
3/4	104.14	3/4	452.66	3/4	826.27	3/4	1,199.73	3/4	1,574.04	3/4	1,948.34	3/4	2,322.65	3/4	2,696.95	3/4	3,071.25	3/4	3,445.56
3	110.99	3	460.34	3	834.04	3	1,207.53	3	1,581.84	3	1,956.14	3	2,330.45	3	2,704.75	3	3,079.05	3	3,453.36
1/4	117.90	1/4	468.07	1/4	841.82	1/4	1,215.33	1/4	1,589.64	1/4	1,963.94	1/4	2,338.25	1/4	2,712.55	1/4	3,086.85	1/4	3,461.16
1/2	124.80	1/2	475.80	1/2	849.60	1/2	1,223.13	1/2	1,597.44	1/2	1,971.73	1/2	2,346.04	1/2	2,720.35	1/2	3,094.65	1/2	3,468.96
3/4	131.71	3/4	483.52	3/4	857.37	3/4	1,230.93	3/4	1,605.23	3/4	1,979.53	3/4	2,353.84	3/4	2,728.14	3/4	3,102.45	3/4	3,476.75
4	138.61	4	491.25	4	865.15	4	1,238.73	4	1,613.03	4	1,987.33	4	2,361.64	4	2,735.94	4	3,110.25	4	3,484.55
1/4	145.52	1/4	499.03	1/4	872.93	1/4	1,246.53	1/4	1,620.83	1/4	1,995.13	1/4	2,369.44	1/4	2,743.74	1/4	3,118.05	1/4	3,492.35
1/2	152.42	1/2	506.81	1/2	880.70	1/2	1,254.33	1/2	1,628.63	1/2	2,002.93	1/2	2,377.23	1/2	2,751.54	1/2	3,125.85	1/2	3,500.15
3/4	159.33	3/4	514.59	3/4	888.48	3/4	1,262.12	3/4	1,636.42	3/4	2,010.73	3/4	2,385.03	3/4	2,759.33	3/4	3,133.64	3/4	3,507.94
5	166.23	5	522.37	5	896.25	5	1,269.92	5	1,644.22	5	2,018.53	5	2,392.83	5	2,767.13	5	3,141.44	5	3,515.74
1/4	173.30	1/4	530.17	1/4	904.03	1/4	1,277.72	1/4	1,652.02	1/4	2,026.33	1/4	2,400.63	1/4	2,774.93	1/4	3,149.24	1/4	3,523.54
1/2	180.37	1/2	537.97	1/2	911.81	1/2	1,285.52	1/2	1,659.81	1/2	2,034.12	1/2	2,408.42	1/2	2,782.73	1/2	3,157.04	1/2	3,531.34
3/4	187.43	3/4	545.76	3/4	919.58	3/4	1,293.31	3/4	1,667.61	3/4	2,041.92	3/4	2,416.22	3/4	2,790.53	3/4	3,164.83	3/4	3,539.13
6	194.50	6	553.56	6	927.36	6	1,301.11	6	1,675.41	6	2,049.72	6	2,424.02	6	2,798.33	6	3,172.63	6	3,546.93
1/4	201.62	1/4	561.36	1/4	935.14	1/4	1,308.91	1/4	1,683.21	1/4	2,057.52	1/4	2,431.82	1/4	2,806.13	1/4	3,180.43	1/4	3,554.73
1/2	208.74	1/2	569.16	1/2	942.91	1/2	1,316.71	1/2	1,691.01	1/2	2,065.32	1/2	2,439.62	1/2	2,813.93	1/2	3,188.23	1/2	3,562.53
3/4	215.86	3/4	576.95	3/4	950.69	3/4	1,324.50	3/4	1,698.81	3/4	2,073.12	3/4	2,447.41	3/4	2,821.72	3/4	3,196.02	3/4	3,570.33
7	222.98	7	584.75	7	958.46	7	1,332.30	7	1,706.61	7	2,080.91	7	2,455.21	7	2,829.52	7	3,203.82	7	3,578.13
1/4	230.10	1/4	592.55	1/4	966.24	1/4	1,340.10	1/4	1,714.41	1/4	2,088.71	1/4	2,463.01	1/4	2,837.32	1/4	3,211.62	1/4	3,585.93
1/2	237.22	1/2	600.35	1/2	974.01	1/2	1,347.90	1/2	1,722.20	1/2	2,096.51	1/2	2,470.81	1/2	2,845.12	1/2	3,219.42	1/2	3,593.73
3/4	244.34	3/4	608.14	3/4	981.79	3/4	1,355.69	3/4	1,730.00	3/4	2,104.30	3/4	2,478.61	3/4	2,852.91	3/4	3,227.21	3/4	3,601.52
8	251.46	8	615.94	8	989.56	8	1,363.49	8	1,737.80	8	2,112.10	8	2,486.41	8	2,860.71	8	3,235.01	8	3,609.32
1/4	258.74	1/4	623.74	1/4	997.34	1/4	1,371.29	1/4	1,745.60	1/4	2,119.90	1/4	2,494.21	1/4	2,868.51	1/4	3,242.81	1/4	3,617.12
1/2	266.02	1/2	631.54	1/2	1,005.12	1/2	1,379.09	1/2	1,753.39	1/2	2,127.69	1/2	2,502.01	1/2	2,876.31	1/2	3,250.61	1/2	3,624.92
3/4	273.30	3/4	639.33	3/4	1,012.89	3/4	1,386.89	3/4	1,761.19	3/4	2,135.49	3/4	2,509.80	3/4	2,884.10	3/4	3,258.41	3/4	3,632.71
9	280.58	9	647.13	9	1,020.67	9	1,394.69	9	1,768.99	9	2,143.29	9	2,517.60	9	2,891.90	9	3,266.21	9	3,640.51
1/4	287.92	1/4	654.93	1/4	1,028.45	1/4	1,402.49	1/4	1,776.79	1/4	2,151.09	1/4	2,525.40	1/4	2,899.70	1/4	3,274.01	1/4	3,648.31
1/2	295.25	1/2	662.73	1/2	1,036.22	1/2	1,410.29	1/2	1,784.58	1/2	2,158.89	1/2	2,533.20	1/2	2,907.50	1/2	3,281.81	1/2	3,656.11
3/4	302.59	3/4	670.53	3/4	1,044.00	3/4	1,418.08	3/4	1,792.38	3/4	2,166.69	3/4	2,540.99	3/4	2,915.29	3/4	3,289.60	3/4	3,663.90
10	309.92	10	678.33	10	1,051.77	10	1,425.88	10	1,800.18	10	2,174.49	10	2,548.79	10	2,923.09	10	3,297.40	10	3,671.70
1/4	317.25	1/4	686.13	1/4	1,059.55	1/4	1,433.68	1/4	1,807.98	1/4	2,182.29	1/4	2,556.59	1/4	2,930.89	1/4	3,305.20	1/4	3,679.50
1/2	324.59	1/2	693.93	1/2	1,067.33	1/2	1,441.48	1/2	1,815.77	1/2	2,190.08	1/2	2,564.39	1/2	2,938.69	1/2	3,313.00	1/2	3,687.30
3/4	331.92	3/4	701.72	3/4	1,075.10	3/4	1,449.27	3/4	1,823.57	3/4	2,197.88	3/4	2,572.18	3/4	2,946.49	3/4	3,320.79	3/4	3,695.09
11	339.25	11	709.52	11	1,082.88	11	1,457.07	11	1,831.37	11	2,205.68	11	2,579.98	11	2,954.29	11	3,328.59	11	3,702.89
1/4	346.75	1/4	717.32	1/4	1,090.66	1/4	1,464.87	1/4	1,839.17	1/4	2,213.48	1/4	2,587.78	1/4	2,962.09	1/4	3,336.39	1/4	3,710.69
1/2	354.24	1/2	725.12	1/2	1,098.43	1/2	1,472.67	1/2	1,846.97	1/2	2,221.27	1/2	2,595.58	1/2	2,969.89	1/2	3,344.19	1/2	3,718.49
3/4	361.74	3/4	732.91	3/4	1,106.21	3/4	1,480.46	3/4	1,854.77	3/4	2,229.07	3/4	2,603.37	3/4	2,977.68	3/4	3,351.98	3/4	3,726.29

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
GAUGE POINT: RIM OF 2" DIA. BALL VALVE LOCATED NEAR CENTER OF TANK.

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



BARGE "MMI 3022"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,734.09	0	4,108.39	0	4,482.69	0	4,854.41	0	5,211.38	0		0		0		0		0	
1/4	3,741.89	1/4	4,116.19	1/4	4,490.49	1/4	4,862.02	1/4	5,217.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,749.69	1/2	4,123.99	1/2	4,498.29	1/2	4,869.62	1/2	5,223.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,757.48	3/4	4,131.78	3/4	4,506.09	3/4	4,877.23	3/4	5,229.02	3/4		3/4		3/4		3/4		3/4	
1	3,765.28	1	4,139.58	1	4,513.89	1	4,884.83	1	5,234.90	1		1		1		1		1	
1/4	3,773.08	1/4	4,147.38	1/4	4,521.69	1/4	4,892.44	1/4	5,239.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,780.88	1/2	4,155.18	1/2	4,529.49	1/2	4,900.04	1/2	5,243.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,788.67	3/4	4,162.97	3/4	4,537.28	3/4	4,907.65	3/4	5,248.29	3/4		3/4		3/4		3/4		3/4	
2	3,796.47	2	4,170.77	2	4,545.08	2	4,915.25	2	5,252.75	2		2		2		2		2	
1/4	3,804.27	1/4	4,178.57	1/4	4,552.88	1/4	4,922.78	1/4	5,255.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,812.07	1/2	4,186.37	1/2	4,560.68	1/2	4,930.31	1/2	5,258.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,819.86	3/4	4,194.17	3/4	4,568.47	3/4	4,937.84	3/4	5,261.65	3/4		3/4		3/4		3/4		3/4	
3	3,827.66	3	4,201.97	3	4,576.27	3	4,945.37	3	5,264.62	3		3		3		3		3	
1/4	3,835.46	1/4	4,209.77	1/4	4,584.07	1/4	4,952.90	1/4	5,266.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,843.26	1/2	4,217.57	1/2	4,591.87	1/2	4,960.43	1/2	5,267.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,851.05	3/4	4,225.36	3/4	4,599.66	3/4	4,967.96	3/4	5,269.27	3/4		3/4		3/4		3/4		3/4	
4	3,858.85	4	4,233.16	4	4,607.46	4	4,975.49	4	5,270.82	4		4		4		4		4	
1/4	3,866.65	1/4	4,240.96	1/4	4,615.26	1/4	4,983.02	1/4	5,271.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,874.45	1/2	4,248.76	1/2	4,623.06	1/2	4,990.55	1/2	5,271.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,882.25	3/4	4,256.55	3/4	4,630.85	3/4	4,998.08	3/4	5,272.18	3/4		3/4		3/4		3/4		3/4	
5	3,890.05	5	4,264.35	5	4,638.65	5	5,005.61	5	5,272.63	5		5		5		5		5	
1/4	3,897.85	1/4	4,272.15	1/4	4,646.41	1/4	5,013.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,905.65	1/2	4,279.95	1/2	4,654.17	1/2	5,020.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,913.44	3/4	4,287.74	3/4	4,661.93	3/4	5,027.98	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,921.24	6	4,295.54	6	4,669.69	6	5,035.43	6		6		6		6		6		6	
1/4	3,929.04	1/4	4,303.34	1/4	4,677.45	1/4	5,042.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,936.84	1/2	4,311.14	1/2	4,685.21	1/2	5,050.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,944.63	3/4	4,318.93	3/4	4,692.97	3/4	5,057.80	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,952.43	7	4,326.73	7	4,700.73	7	5,065.25	7		7		7		7		7		7	
1/4	3,960.23	1/4	4,334.53	1/4	4,708.49	1/4	5,072.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,968.03	1/2	4,342.33	1/2	4,716.25	1/2	5,080.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,975.83	3/4	4,350.13	3/4	4,724.01	3/4	5,087.61	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,983.63	8	4,357.93	8	4,731.77	8	5,095.06	8		8		8		8		8		8	
1/4	3,991.42	1/4	4,365.73	1/4	4,739.46	1/4	5,102.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,999.22	1/2	4,373.53	1/2	4,747.14	1/2	5,109.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,007.01	3/4	4,381.32	3/4	4,754.83	3/4	5,117.19	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,014.81	9	4,389.12	9	4,762.51	9	5,124.57	9		9		9		9		9		9	
1/4	4,022.61	1/4	4,396.92	1/4	4,770.20	1/4	5,131.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,030.41	1/2	4,404.72	1/2	4,777.88	1/2	5,139.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,038.21	3/4	4,412.51	3/4	4,785.57	3/4	5,146.71	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,046.01	10	4,420.31	10	4,793.25	10	5,154.09	10		10		10		10		10		10	
1/4	4,053.81	1/4	4,428.11	1/4	4,800.93	1/4	5,161.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,061.61	1/2	4,435.91	1/2	4,808.62	1/2	5,168.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,069.40	3/4	4,443.70	3/4	4,816.30	3/4	5,176.22	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,077.20	11	4,451.50	11	4,823.98	11	5,183.60	11		11		11		11		11		11	
1/4	4,085.00	1/4	4,459.30	1/4	4,831.59	1/4	5,190.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,092.80	1/2	4,467.10	1/2	4,839.20	1/2	5,197.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,100.59	3/4	4,474.89	3/4	4,846.80	3/4	5,204.44	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 06/12/2000 INSP
REPRINTED: 08/25/2018

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2018

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 3022"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	29.60	0	376.40	0	737.94	0	1,098.49	0	1,459.96	0	1,821.49	0	2,183.03	0	2,544.56	0	2,906.10	0	3,267.64
1/4	34.71	1/4	383.93	1/4	745.47	1/4	1,106.01	1/4	1,467.49	1/4	1,829.02	1/4	2,190.56	1/4	2,552.09	1/4	2,913.63	1/4	3,275.17
1/2	39.83	1/2	391.47	1/2	753.00	1/2	1,113.52	1/2	1,475.02	1/2	1,836.56	1/2	2,198.10	1/2	2,559.63	1/2	2,921.16	1/2	3,282.70
3/4	44.94	3/4	399.00	3/4	760.52	3/4	1,121.04	3/4	1,482.55	3/4	1,844.09	3/4	2,205.63	3/4	2,567.16	3/4	2,928.70	3/4	3,290.23
1	50.05	1	406.53	1	768.05	1	1,128.55	1	1,490.08	1	1,851.62	1	2,213.16	1	2,574.69	1	2,936.23	1	3,297.76
1/4	56.44	1/4	414.06	1/4	775.56	1/4	1,136.08	1/4	1,497.61	1/4	1,859.15	1/4	2,220.69	1/4	2,582.22	1/4	2,943.76	1/4	3,305.29
1/2	62.84	1/2	421.60	1/2	783.07	1/2	1,143.62	1/2	1,505.15	1/2	1,866.69	1/2	2,228.22	1/2	2,589.76	1/2	2,951.29	1/2	3,312.82
3/4	69.23	3/4	429.13	3/4	790.58	3/4	1,151.15	3/4	1,512.68	3/4	1,874.22	3/4	2,235.75	3/4	2,597.29	3/4	2,958.83	3/4	3,320.36
2	75.62	2	436.66	2	798.09	2	1,158.68	2	1,520.21	2	1,881.75	2	2,243.28	2	2,604.82	2	2,966.36	2	3,327.89
1/4	83.05	1/4	444.19	1/4	805.60	1/4	1,166.21	1/4	1,527.74	1/4	1,889.28	1/4	2,250.81	1/4	2,612.35	1/4	2,973.89	1/4	3,335.42
1/2	90.47	1/2	451.73	1/2	813.11	1/2	1,173.74	1/2	1,535.28	1/2	1,896.82	1/2	2,258.35	1/2	2,619.88	1/2	2,981.42	1/2	3,342.95
3/4	97.90	3/4	459.26	3/4	820.62	3/4	1,181.27	3/4	1,542.81	3/4	1,904.35	3/4	2,265.88	3/4	2,627.42	3/4	2,988.95	3/4	3,350.49
3	105.32	3	466.79	3	828.13	3	1,188.80	3	1,550.34	3	1,911.88	3	2,273.41	3	2,634.95	3	2,996.48	3	3,358.02
1/4	112.84	1/4	474.32	1/4	835.64	1/4	1,196.33	1/4	1,557.87	1/4	1,919.41	1/4	2,280.94	1/4	2,642.48	1/4	3,004.01	1/4	3,365.55
1/2	120.35	1/2	481.86	1/2	843.15	1/2	1,203.87	1/2	1,565.41	1/2	1,926.94	1/2	2,288.48	1/2	2,650.01	1/2	3,011.54	1/2	3,373.08
3/4	127.87	3/4	489.39	3/4	850.66	3/4	1,211.40	3/4	1,572.94	3/4	1,934.47	3/4	2,296.01	3/4	2,657.55	3/4	3,019.08	3/4	3,380.62
4	135.38	4	496.92	4	858.17	4	1,218.93	4	1,580.47	4	1,942.00	4	2,303.54	4	2,665.08	4	3,026.61	4	3,388.15
1/4	142.91	1/4	504.45	1/4	865.68	1/4	1,226.46	1/4	1,588.00	1/4	1,949.53	1/4	2,311.07	1/4	2,672.61	1/4	3,034.14	1/4	3,395.68
1/2	150.45	1/2	511.98	1/2	873.19	1/2	1,234.00	1/2	1,595.54	1/2	1,957.07	1/2	2,318.61	1/2	2,680.14	1/2	3,041.67	1/2	3,403.21
3/4	157.98	3/4	519.51	3/4	880.70	3/4	1,241.53	3/4	1,603.07	3/4	1,964.60	3/4	2,326.14	3/4	2,687.67	3/4	3,049.21	3/4	3,410.75
5	165.51	5	527.04	5	888.21	5	1,249.06	5	1,610.60	5	1,972.13	5	2,333.67	5	2,695.20	5	3,056.74	5	3,418.28
1/4	173.04	1/4	534.57	1/4	895.72	1/4	1,256.59	1/4	1,618.13	1/4	1,979.66	1/4	2,341.20	1/4	2,702.73	1/4	3,064.27	1/4	3,425.81
1/2	180.58	1/2	542.11	1/2	903.23	1/2	1,264.13	1/2	1,625.66	1/2	1,987.20	1/2	2,348.74	1/2	2,710.26	1/2	3,071.80	1/2	3,433.34
3/4	188.11	3/4	549.64	3/4	910.74	3/4	1,271.66	3/4	1,633.19	3/4	1,994.73	3/4	2,356.27	3/4	2,717.80	3/4	3,079.34	3/4	3,440.87
6	195.64	6	557.17	6	918.25	6	1,279.19	6	1,640.72	6	2,002.26	6	2,363.80	6	2,725.33	6	3,086.87	6	3,448.40
1/4	203.17	1/4	564.70	1/4	925.76	1/4	1,286.72	1/4	1,648.25	1/4	2,009.79	1/4	2,371.33	1/4	2,732.86	1/4	3,094.40	1/4	3,455.93
1/2	210.70	1/2	572.24	1/2	933.27	1/2	1,294.26	1/2	1,655.79	1/2	2,017.33	1/2	2,378.86	1/2	2,740.39	1/2	3,101.93	1/2	3,463.46
3/4	218.23	3/4	579.77	3/4	940.78	3/4	1,301.79	3/4	1,663.32	3/4	2,024.86	3/4	2,386.39	3/4	2,747.93	3/4	3,109.47	3/4	3,471.00
7	225.76	7	587.30	7	948.29	7	1,309.32	7	1,670.85	7	2,032.39	7	2,393.92	7	2,755.46	7	3,117.00	7	3,478.53
1/4	233.29	1/4	594.83	1/4	955.80	1/4	1,316.85	1/4	1,678.38	1/4	2,039.92	1/4	2,401.45	1/4	2,762.99	1/4	3,124.53	1/4	3,486.06
1/2	240.83	1/2	602.37	1/2	963.31	1/2	1,324.38	1/2	1,685.92	1/2	2,047.46	1/2	2,408.99	1/2	2,770.52	1/2	3,132.06	1/2	3,493.59
3/4	248.36	3/4	609.90	3/4	970.82	3/4	1,331.91	3/4	1,693.45	3/4	2,054.99	3/4	2,416.52	3/4	2,778.06	3/4	3,139.59	3/4	3,501.13
8	255.89	8	617.43	8	978.33	8	1,339.44	8	1,700.98	8	2,062.52	8	2,424.05	8	2,785.59	8	3,147.12	8	3,508.66
1/4	263.42	1/4	624.96	1/4	985.84	1/4	1,346.97	1/4	1,708.51	1/4	2,070.05	1/4	2,431.58	1/4	2,793.12	1/4	3,154.65	1/4	3,516.19
1/2	270.96	1/2	632.50	1/2	993.35	1/2	1,354.51	1/2	1,716.05	1/2	2,077.58	1/2	2,439.12	1/2	2,800.65	1/2	3,162.18	1/2	3,523.72
3/4	278.49	3/4	640.03	3/4	1,000.86	3/4	1,362.04	3/4	1,723.58	3/4	2,085.11	3/4	2,446.65	3/4	2,808.19	3/4	3,169.72	3/4	3,531.26
9	286.02	9	647.56	9	1,008.37	9	1,369.57	9	1,731.11	9	2,092.64	9	2,454.18	9	2,815.72	9	3,177.25	9	3,538.79
1/4	293.55	1/4	655.09	1/4	1,015.88	1/4	1,377.11	1/4	1,738.64	1/4	2,100.17	1/4	2,461.71	1/4	2,823.25	1/4	3,184.78	1/4	3,546.32
1/2	301.09	1/2	662.62	1/2	1,023.39	1/2	1,384.66	1/2	1,746.18	1/2	2,107.71	1/2	2,469.25	1/2	2,830.78	1/2	3,192.31	1/2	3,553.85
3/4	308.62	3/4	670.15	3/4	1,030.90	3/4	1,392.20	3/4	1,753.71	3/4	2,115.24	3/4	2,476.78	3/4	2,838.31	3/4	3,199.85	3/4	3,561.39
10	316.15	10	677.68	10	1,038.41	10	1,399.74	10	1,761.24	10	2,122.77	10	2,484.31	10	2,845.84	10	3,207.38	10	3,568.92
1/4	323.68	1/4	685.21	1/4	1,045.92	1/4	1,407.26	1/4	1,768.77	1/4	2,130.30	1/4	2,491.84	1/4	2,853.37	1/4	3,214.91	1/4	3,576.45
1/2	331.22	1/2	692.75	1/2	1,053.43	1/2	1,414.79	1/2	1,776.30	1/2	2,137.84	1/2	2,499.38	1/2	2,860.90	1/2	3,222.44	1/2	3,583.98
3/4	338.75	3/4	700.28	3/4	1,060.94	3/4	1,422.31	3/4	1,783.83	3/4	2,145.37	3/4	2,506.91	3/4	2,868.44	3/4	3,229.98	3/4	3,591.51
11	346.28	11	707.81	11	1,068.45	11	1,429.83	11	1,791.36	11	2,152.90	11	2,514.44	11	2,875.97	11	3,237.51	11	3,599.04
1/4	353.81	1/4	715.34	1/4	1,075.96	1/4	1,437.36	1/4	1,798.89	1/4	2,160.43	1/4	2,521.97	1/4	2,883.50	1/4	3,245.04	1/4	3,606.57
1/2	361.34	1/2	722.88	1/2	1,083.47	1/2	1,444.90	1/2	1,806.43	1/2	2,167.97	1/2	2,529.50	1/2	2,891.03	1/2	3,252.57	1/2	3,614.10
3/4	368.87	3/4	730.41	3/4	1,090.98	3/4	1,452.43	3/4	1,813.96	3/4	2,175.50	3/4	2,537.03	3/4	2,898.57	3/4	3,260.11	3/4	3,621.64

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
GAUGE POINT: RIM OF 2" DIA. BALL VALVE LOCATED NEAR CENTER OF TANK.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "MMI 3022"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,629.17	0	3,990.71	0	4,352.24	0	4,711.57	0	5,057.76	0		0		0		0		0	
1/4	3,636.70	1/4	3,998.24	1/4	4,359.77	1/4	4,718.91	1/4	5,064.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,644.23	1/2	4,005.77	1/2	4,367.30	1/2	4,726.25	1/2	5,070.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,651.77	3/4	4,013.31	3/4	4,374.84	3/4	4,733.59	3/4	5,076.80	3/4		3/4		3/4		3/4		3/4	
1	3,659.30	1	4,020.84	1	4,382.37	1	4,740.93	1	5,083.15	1		1		1		1		1	
1/4	3,666.83	1/4	4,028.37	1/4	4,389.90	1/4	4,748.27	1/4	5,088.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,674.36	1/2	4,035.90	1/2	4,397.43	1/2	4,755.61	1/2	5,093.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,681.90	3/4	4,043.43	3/4	4,404.97	3/4	4,762.95	3/4	5,098.09	3/4		3/4		3/4		3/4		3/4	
2	3,689.43	2	4,050.96	2	4,412.50	2	4,770.29	2	5,103.07	2		2		2		2		2	
1/4	3,696.96	1/4	4,058.49	1/4	4,420.03	1/4	4,777.59	1/4	5,106.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,704.49	1/2	4,066.02	1/2	4,427.56	1/2	4,784.89	1/2	5,110.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,712.03	3/4	4,073.56	3/4	4,435.10	3/4	4,792.20	3/4	5,113.77	3/4		3/4		3/4		3/4		3/4	
3	3,719.56	3	4,081.09	3	4,442.63	3	4,799.50	3	5,117.34	3		3		3		3		3	
1/4	3,727.09	1/4	4,088.62	1/4	4,450.16	1/4	4,806.76	1/4	5,119.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,734.62	1/2	4,096.15	1/2	4,457.69	1/2	4,814.03	1/2	5,121.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,742.15	3/4	4,103.69	3/4	4,465.23	3/4	4,821.29	3/4	5,123.83	3/4		3/4		3/4		3/4		3/4	
4	3,749.68	4	4,111.22	4	4,472.76	4	4,828.56	4	5,125.99	4		4		4		4		4	
1/4	3,757.21	1/4	4,118.75	1/4	4,480.29	1/4	4,835.82	1/4	5,126.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,764.74	1/2	4,126.28	1/2	4,487.82	1/2	4,843.08	1/2	5,127.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,772.28	3/4	4,133.82	3/4	4,495.35	3/4	4,850.35	3/4	5,128.36	3/4		3/4		3/4		3/4		3/4	
5	3,779.81	5	4,141.35	5	4,502.88	5	4,857.61	5	5,129.15	5		5		5		5		5	
1/4	3,787.34	1/4	4,148.88	1/4	4,510.39	1/4	4,864.83	1/4	5,129.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,794.87	1/2	4,156.41	1/2	4,517.91	1/2	4,872.06	1/2	5,129.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,802.41	3/4	4,163.95	3/4	4,525.42	3/4	4,879.28	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,809.94	6	4,171.48	6	4,532.94	6	4,886.51	6		6		6		6		6		6	
1/4	3,817.47	1/4	4,179.01	1/4	4,540.43	1/4	4,893.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,825.00	1/2	4,186.54	1/2	4,547.92	1/2	4,900.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,832.54	3/4	4,194.07	3/4	4,555.42	3/4	4,908.07	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,840.07	7	4,201.60	7	4,562.91	7	4,915.26	7		7		7		7		7		7	
1/4	3,847.60	1/4	4,209.13	1/4	4,570.40	1/4	4,922.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,855.13	1/2	4,216.66	1/2	4,577.90	1/2	4,929.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,862.67	3/4	4,224.20	3/4	4,585.39	3/4	4,936.81	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,870.20	8	4,231.73	8	4,592.89	8	4,944.00	8		8		8		8		8		8	
1/4	3,877.73	1/4	4,239.26	1/4	4,600.34	1/4	4,951.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,885.26	1/2	4,246.79	1/2	4,607.80	1/2	4,958.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,892.79	3/4	4,254.33	3/4	4,615.25	3/4	4,965.44	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,900.32	9	4,261.86	9	4,622.71	9	4,972.59	9		9		9		9		9		9	
1/4	3,907.85	1/4	4,269.39	1/4	4,630.13	1/4	4,979.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,915.38	1/2	4,276.92	1/2	4,637.54	1/2	4,986.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,922.92	3/4	4,284.46	3/4	4,644.96	3/4	4,993.92	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,930.45	10	4,291.99	10	4,652.38	10	5,001.03	10		10		10		10		10		10	
1/4	3,937.98	1/4	4,299.52	1/4	4,659.80	1/4	5,008.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,945.51	1/2	4,307.05	1/2	4,667.22	1/2	5,015.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,953.05	3/4	4,314.59	3/4	4,674.64	3/4	5,022.36	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,960.58	11	4,322.12	11	4,682.06	11	5,029.47	11		11		11		11		11		11	
1/4	3,968.11	1/4	4,329.65	1/4	4,689.44	1/4	5,036.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,975.64	1/2	4,337.18	1/2	4,696.81	1/2	5,043.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,983.18	3/4	4,344.71	3/4	4,704.19	3/4	5,050.69	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/12/2000 INSP
REPRINTED: 08/25/2018

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2018

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



BARGE "MMI 3022"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15-04 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	21.44	0	361.34	0	722.88	0	1,083.47	0	1,444.89	0	1,806.43	0	2,167.96	0	2,529.50	0	2,891.04	0	3,252.57
1/4	25.87	1/4	368.87	1/4	730.41	1/4	1,090.98	1/4	1,452.42	1/4	1,813.96	1/4	2,175.49	1/4	2,537.03	1/4	2,898.57	1/4	3,260.10
1/2	30.29	1/2	376.41	1/2	737.94	1/2	1,098.49	1/2	1,459.96	1/2	1,821.50	1/2	2,183.03	1/2	2,544.56	1/2	2,906.10	1/2	3,267.63
3/4	34.72	3/4	383.94	3/4	745.47	3/4	1,106.00	3/4	1,467.49	3/4	1,829.03	3/4	2,190.56	3/4	2,552.10	3/4	2,913.63	3/4	3,275.17
1	39.14	1	391.47	1	753.00	1	1,113.51	1	1,475.02	1	1,836.56	1	2,198.09	1	2,559.63	1	2,921.16	1	3,282.70
1/4	44.94	1/4	399.00	1/4	760.52	1/4	1,121.04	1/4	1,482.55	1/4	1,844.09	1/4	2,205.62	1/4	2,567.16	1/4	2,928.69	1/4	3,290.23
1/2	50.73	1/2	406.54	1/2	768.04	1/2	1,128.56	1/2	1,490.09	1/2	1,851.62	1/2	2,213.16	1/2	2,574.69	1/2	2,936.22	1/2	3,297.76
3/4	56.53	3/4	414.07	3/4	775.55	3/4	1,136.09	3/4	1,497.62	3/4	1,859.15	3/4	2,220.69	3/4	2,582.23	3/4	2,943.76	3/4	3,305.30
2	62.32	2	421.60	2	783.07	2	1,143.61	2	1,505.15	2	1,866.68	2	2,228.22	2	2,589.76	2	2,951.29	2	3,312.83
1/4	69.32	1/4	429.13	1/4	790.58	1/4	1,151.14	1/4	1,512.68	1/4	1,874.21	1/4	2,235.75	1/4	2,597.29	1/4	2,958.82	1/4	3,320.36
1/2	76.31	1/2	436.66	1/2	798.09	1/2	1,158.68	1/2	1,520.22	1/2	1,881.75	1/2	2,243.29	1/2	2,604.82	1/2	2,966.35	1/2	3,327.89
3/4	83.31	3/4	444.19	3/4	805.60	3/4	1,166.21	3/4	1,527.75	3/4	1,889.28	3/4	2,250.82	3/4	2,612.35	3/4	2,973.89	3/4	3,335.43
3	90.30	3	451.72	3	813.11	3	1,173.74	3	1,535.28	3	1,896.81	3	2,258.35	3	2,619.88	3	2,981.42	3	3,342.96
1/4	97.81	1/4	459.25	1/4	820.62	1/4	1,181.27	1/4	1,542.81	1/4	1,904.34	1/4	2,265.88	1/4	2,627.41	1/4	2,988.95	1/4	3,350.49
1/2	105.32	1/2	466.79	1/2	828.13	1/2	1,188.81	1/2	1,550.34	1/2	1,911.88	1/2	2,273.42	1/2	2,634.94	1/2	2,996.48	1/2	3,358.02
3/4	112.83	3/4	474.32	3/4	835.64	3/4	1,196.34	3/4	1,557.87	3/4	1,919.41	3/4	2,280.95	3/4	2,642.48	3/4	3,004.02	3/4	3,365.55
4	120.34	4	481.85	4	843.15	4	1,203.87	4	1,565.40	4	1,926.94	4	2,288.48	4	2,650.01	4	3,011.55	4	3,373.08
1/4	127.87	1/4	489.38	1/4	850.66	1/4	1,211.40	1/4	1,572.93	1/4	1,934.47	1/4	2,296.01	1/4	2,657.54	1/4	3,019.08	1/4	3,380.61
1/2	135.39	1/2	496.92	1/2	858.17	1/2	1,218.94	1/2	1,580.47	1/2	1,942.01	1/2	2,303.54	1/2	2,665.07	1/2	3,026.61	1/2	3,388.14
3/4	142.92	3/4	504.45	3/4	865.68	3/4	1,226.47	3/4	1,588.00	3/4	1,949.54	3/4	2,311.07	3/4	2,672.61	3/4	3,034.15	3/4	3,395.68
5	150.44	5	511.98	5	873.19	5	1,234.00	5	1,595.53	5	1,957.07	5	2,318.60	5	2,680.14	5	3,041.68	5	3,403.21
1/4	157.97	1/4	519.51	1/4	880.70	1/4	1,241.53	1/4	1,603.06	1/4	1,964.60	1/4	2,326.13	1/4	2,687.67	1/4	3,049.21	1/4	3,410.74
1/2	165.51	1/2	527.05	1/2	888.21	1/2	1,249.06	1/2	1,610.60	1/2	1,972.14	1/2	2,333.67	1/2	2,695.20	1/2	3,056.74	1/2	3,418.27
3/4	173.04	3/4	534.58	3/4	895.72	3/4	1,256.59	3/4	1,618.13	3/4	1,979.67	3/4	2,341.20	3/4	2,702.74	3/4	3,064.27	3/4	3,425.81
6	180.57	6	542.11	6	903.23	6	1,264.12	6	1,625.66	6	1,987.20	6	2,348.73	6	2,710.27	6	3,071.80	6	3,433.34
1/4	188.10	1/4	549.64	1/4	910.74	1/4	1,271.65	1/4	1,633.19	1/4	1,994.73	1/4	2,356.26	1/4	2,717.80	1/4	3,079.33	1/4	3,440.87
1/2	195.64	1/2	557.18	1/2	918.25	1/2	1,279.19	1/2	1,640.73	1/2	2,002.26	1/2	2,363.80	1/2	2,725.33	1/2	3,086.86	1/2	3,448.40
3/4	203.17	3/4	564.71	3/4	925.76	3/4	1,286.72	3/4	1,648.26	3/4	2,009.79	3/4	2,371.33	3/4	2,732.87	3/4	3,094.40	3/4	3,455.94
7	210.70	7	572.24	7	933.27	7	1,294.25	7	1,655.79	7	2,017.32	7	2,378.86	7	2,740.40	7	3,101.93	7	3,463.47
1/4	218.23	1/4	579.77	1/4	940.78	1/4	1,301.78	1/4	1,663.32	1/4	2,024.85	1/4	2,386.39	1/4	2,747.93	1/4	3,109.46	1/4	3,471.00
1/2	225.77	1/2	587.30	1/2	948.29	1/2	1,309.32	1/2	1,670.86	1/2	2,032.39	1/2	2,393.93	1/2	2,755.46	1/2	3,116.99	1/2	3,478.53
3/4	233.30	3/4	594.83	3/4	955.80	3/4	1,316.85	3/4	1,678.39	3/4	2,039.92	3/4	2,401.46	3/4	2,762.99	3/4	3,124.53	3/4	3,486.07
8	240.83	8	602.36	8	963.31	8	1,324.38	8	1,685.92	8	2,047.45	8	2,408.99	8	2,770.52	8	3,132.06	8	3,493.60
1/4	248.36	1/4	609.89	1/4	970.82	1/4	1,331.91	1/4	1,693.45	1/4	2,054.96	1/4	2,416.52	1/4	2,778.05	1/4	3,139.59	1/4	3,501.13
1/2	255.90	1/2	617.43	1/2	978.33	1/2	1,339.45	1/2	1,700.98	1/2	2,062.48	1/2	2,424.06	1/2	2,785.58	1/2	3,147.12	1/2	3,508.66
3/4	263.43	3/4	624.96	3/4	985.84	3/4	1,346.98	3/4	1,708.51	3/4	2,069.99	3/4	2,431.59	3/4	2,793.12	3/4	3,154.66	3/4	3,516.19
9	270.96	9	632.49	9	993.35	9	1,354.51	9	1,716.04	9	2,077.50	9	2,439.12	9	2,800.65	9	3,162.19	9	3,523.72
1/4	278.49	1/4	640.02	1/4	1,000.86	1/4	1,362.04	1/4	1,723.57	1/4	2,085.05	1/4	2,446.65	1/4	2,808.18	1/4	3,169.72	1/4	3,531.25
1/2	286.02	1/2	647.56	1/2	1,008.37	1/2	1,369.58	1/2	1,731.11	1/2	2,092.61	1/2	2,454.18	1/2	2,815.71	1/2	3,177.25	1/2	3,538.78
3/4	293.55	3/4	655.09	3/4	1,015.88	3/4	1,377.11	3/4	1,738.64	3/4	2,100.16	3/4	2,461.71	3/4	2,823.25	3/4	3,184.79	3/4	3,546.32
10	301.08	10	662.62	10	1,023.39	10	1,384.64	10	1,746.17	10	2,107.71	10	2,469.24	10	2,830.78	10	3,192.32	10	3,553.85
1/4	308.61	1/4	670.15	1/4	1,030.90	1/4	1,392.17	1/4	1,753.70	1/4	2,115.24	1/4	2,476.77	1/4	2,838.31	1/4	3,199.85	1/4	3,561.38
1/2	316.15	1/2	677.69	1/2	1,038.41	1/2	1,399.70	1/2	1,761.24	1/2	2,122.78	1/2	2,484.31	1/2	2,845.84	1/2	3,207.38	1/2	3,568.91
3/4	323.68	3/4	685.22	3/4	1,045.92	3/4	1,407.23	3/4	1,768.77	3/4	2,130.31	3/4	2,491.84	3/4	2,853.38	3/4	3,214.91	3/4	3,576.45
11	331.21	11	692.75	11	1,053.43	11	1,414.76	11	1,776.30	11	2,137.84	11	2,499.37	11	2,860.91	11	3,222.44	11	3,583.98
1/4	338.74	1/4	700.28	1/4	1,060.94	1/4	1,422.29	1/4	1,783.83	1/4	2,145.37	1/4	2,506.90	1/4	2,868.44	1/4	3,229.97	1/4	3,591.51
1/2	346.28	1/2	707.82	1/2	1,068.45	1/2	1,429.83	1/2	1,791.37	1/2	2,152.90	1/2	2,514.44	1/2	2,875.97	1/2	3,237.50	1/2	3,599.04
3/4	353.81	3/4	715.35	3/4	1,075.96	3/4	1,437.36	3/4	1,798.90	3/4	2,160.43	3/4	2,521.97	3/4	2,883.51	3/4	3,245.04	3/4	3,606.58

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
GAUGE POINT: RIM OF 2" DIA. BALL VALVE LOCATED NEAR CENTER OF TANK.

PRECISION MEASUREMENT
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BARGE "MMI 3022"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15-04 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	3,614.11	0	3,975.64	0	4,337.18	0	4,696.89	0	5,043.69	0		0		0		0		0	
1/4	3,621.64	1/4	3,983.17	1/4	4,344.71	1/4	4,704.23	1/4	5,050.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,629.17	1/2	3,990.70	1/2	4,352.24	1/2	4,711.57	1/2	5,057.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,636.71	3/4	3,998.24	3/4	4,359.78	3/4	4,718.91	3/4	5,063.76	3/4		3/4		3/4		3/4		3/4	
1	3,644.24	1	4,005.77	1	4,367.31	1	4,726.25	1	5,070.45	1		1		1		1		1	
1/4	3,651.77	1/4	4,013.30	1/4	4,374.84	1/4	4,733.59	1/4	5,076.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,659.30	1/2	4,020.83	1/2	4,382.37	1/2	4,740.93	1/2	5,081.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,666.83	3/4	4,028.37	3/4	4,389.91	3/4	4,748.27	3/4	5,087.44	3/4		3/4		3/4		3/4		3/4	
2	3,674.36	2	4,035.90	2	4,397.44	2	4,755.61	2	5,093.11	2		2		2		2		2	
1/4	3,681.89	1/4	4,043.43	1/4	4,404.97	1/4	4,762.95	1/4	5,097.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,689.42	1/2	4,050.96	1/2	4,412.50	1/2	4,770.29	1/2	5,101.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,696.96	3/4	4,058.50	3/4	4,420.03	3/4	4,777.63	3/4	5,105.99	3/4		3/4		3/4		3/4		3/4	
3	3,704.49	3	4,066.03	3	4,427.56	3	4,784.97	3	5,110.28	3		3		3		3		3	
1/4	3,712.02	1/4	4,073.56	1/4	4,435.09	1/4	4,792.23	1/4	5,113.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,719.55	1/2	4,081.09	1/2	4,442.62	1/2	4,799.50	1/2	5,115.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,727.09	3/4	4,088.63	3/4	4,450.16	3/4	4,806.76	3/4	5,118.82	3/4		3/4		3/4		3/4		3/4	
4	3,734.62	4	4,096.16	4	4,457.69	4	4,814.03	4	5,121.67	4		4		4		4		4	
1/4	3,742.15	1/4	4,103.69	1/4	4,465.22	1/4	4,821.29	1/4	5,123.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,749.68	1/2	4,111.22	1/2	4,472.75	1/2	4,828.55	1/2	5,124.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,757.22	3/4	4,118.75	3/4	4,480.29	3/4	4,835.82	3/4	5,126.09	3/4		3/4		3/4		3/4		3/4	
5	3,764.75	5	4,126.28	5	4,487.82	5	4,843.08	5	5,127.57	5		5		5		5		5	
1/4	3,772.28	1/4	4,133.81	1/4	4,495.35	1/4	4,850.34	1/4	5,127.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,779.81	1/2	4,141.34	1/2	4,502.88	1/2	4,857.61	1/2	5,128.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,787.35	3/4	4,148.88	3/4	4,510.42	3/4	4,864.87	3/4	5,128.84	3/4		3/4		3/4		3/4		3/4	
6	3,794.88	6	4,156.41	6	4,517.95	6	4,872.14	6	5,129.26	6		6		6		6		6	
1/4	3,802.41	1/4	4,163.94	1/4	4,525.44	1/4	4,879.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,809.94	1/2	4,171.47	1/2	4,532.93	1/2	4,886.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,817.47	3/4	4,179.01	3/4	4,540.43	3/4	4,893.69	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,825.00	7	4,186.54	7	4,547.92	7	4,900.88	7		7		7		7		7		7	
1/4	3,832.53	1/4	4,194.07	1/4	4,555.41	1/4	4,908.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,840.06	1/2	4,201.60	1/2	4,562.91	1/2	4,915.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,847.60	3/4	4,209.14	3/4	4,570.40	3/4	4,922.44	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,855.13	8	4,216.67	8	4,577.90	8	4,929.63	8		8		8		8		8		8	
1/4	3,862.66	1/4	4,224.20	1/4	4,585.39	1/4	4,936.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,870.19	1/2	4,231.73	1/2	4,592.89	1/2	4,944.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,877.73	3/4	4,239.27	3/4	4,600.38	3/4	4,951.18	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,885.26	9	4,246.80	9	4,607.88	9	4,958.37	9		9		9		9		9		9	
1/4	3,892.79	1/4	4,254.33	1/4	4,615.30	1/4	4,965.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,900.32	1/2	4,261.86	1/2	4,622.71	1/2	4,972.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,907.86	3/4	4,269.39	3/4	4,630.13	3/4	4,979.70	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,915.39	10	4,276.93	10	4,637.55	10	4,986.81	10		10		10		10		10		10	
1/4	3,922.92	1/4	4,284.46	1/4	4,644.97	1/4	4,993.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,930.45	1/2	4,291.99	1/2	4,652.38	1/2	5,001.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,937.99	3/4	4,299.52	3/4	4,659.80	3/4	5,008.14	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,945.52	11	4,307.05	11	4,667.22	11	5,015.25	11		11		11		11		11		11	
1/4	3,953.05	1/4	4,314.58	1/4	4,674.64	1/4	5,022.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,960.58	1/2	4,322.11	1/2	4,682.05	1/2	5,029.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,968.11	3/4	4,329.65	3/4	4,689.47	3/4	5,036.58	3/4		3/4		3/4		3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2018

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 3022"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15-04 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	22.10	0	372.50	0	745.17	0	1,116.90	0	1,489.46	0	1,862.13	0	2,234.80	0	2,607.48	0	2,980.15	0	3,352.82
1/4	26.66	1/4	380.27	1/4	752.94	1/4	1,124.64	1/4	1,497.23	1/4	1,869.90	1/4	2,242.57	1/4	2,615.24	1/4	2,987.91	1/4	3,360.58
1/2	31.23	1/2	388.03	1/2	760.70	1/2	1,132.39	1/2	1,504.99	1/2	1,877.66	1/2	2,250.33	1/2	2,623.01	1/2	2,995.67	1/2	3,368.35
3/4	35.79	3/4	395.80	3/4	768.47	3/4	1,140.13	3/4	1,512.76	3/4	1,885.43	3/4	2,258.10	3/4	2,630.77	3/4	3,003.44	3/4	3,376.11
1	40.35	1	403.56	1	776.23	1	1,147.87	1	1,520.52	1	1,893.19	1	2,265.86	1	2,638.53	1	3,011.20	1	3,383.88
1/4	46.33	1/4	411.32	1/4	783.98	1/4	1,155.63	1/4	1,528.28	1/4	1,900.95	1/4	2,273.63	1/4	2,646.30	1/4	3,018.96	1/4	3,391.64
1/2	52.31	1/2	419.09	1/2	791.73	1/2	1,163.39	1/2	1,536.05	1/2	1,908.72	1/2	2,281.39	1/2	2,654.06	1/2	3,026.73	1/2	3,399.40
3/4	58.28	3/4	426.85	3/4	799.47	3/4	1,171.14	3/4	1,543.81	3/4	1,916.48	3/4	2,289.16	3/4	2,661.83	3/4	3,034.49	3/4	3,407.17
2	64.26	2	434.61	2	807.22	2	1,178.90	2	1,551.57	2	1,924.24	2	2,296.92	2	2,669.59	2	3,042.26	2	3,414.93
1/4	71.47	1/4	442.38	1/4	814.96	1/4	1,186.67	1/4	1,559.34	1/4	1,932.01	1/4	2,304.68	1/4	2,677.35	1/4	3,050.02	1/4	3,422.69
1/2	78.69	1/2	450.14	1/2	822.70	1/2	1,194.43	1/2	1,567.10	1/2	1,939.77	1/2	2,312.45	1/2	2,685.12	1/2	3,057.79	1/2	3,430.46
3/4	85.90	3/4	457.91	3/4	830.45	3/4	1,202.20	3/4	1,574.87	3/4	1,947.54	3/4	2,320.21	3/4	2,692.88	3/4	3,065.55	3/4	3,438.22
3	93.11	3	465.67	3	838.19	3	1,209.96	3	1,582.63	3	1,955.30	3	2,327.97	3	2,700.64	3	3,073.32	3	3,445.99
1/4	100.85	1/4	473.43	1/4	845.93	1/4	1,217.72	1/4	1,590.39	1/4	1,963.07	1/4	2,335.74	1/4	2,708.41	1/4	3,081.08	1/4	3,453.75
1/2	108.59	1/2	481.19	1/2	853.67	1/2	1,225.49	1/2	1,598.16	1/2	1,970.83	1/2	2,343.50	1/2	2,716.17	1/2	3,088.84	1/2	3,461.51
3/4	116.33	3/4	488.96	3/4	861.41	3/4	1,233.25	3/4	1,605.92	3/4	1,978.60	3/4	2,351.27	3/4	2,723.93	3/4	3,096.61	3/4	3,469.28
4	124.07	4	496.72	4	869.15	4	1,241.01	4	1,613.68	4	1,986.36	4	2,359.03	4	2,731.70	4	3,104.37	4	3,477.04
1/4	131.83	1/4	504.48	1/4	876.89	1/4	1,248.78	1/4	1,621.45	1/4	1,994.12	1/4	2,366.79	1/4	2,739.46	1/4	3,112.13	1/4	3,484.80
1/2	139.59	1/2	512.25	1/2	884.63	1/2	1,256.54	1/2	1,629.21	1/2	2,001.89	1/2	2,374.56	1/2	2,747.23	1/2	3,119.90	1/2	3,492.57
3/4	147.35	3/4	520.01	3/4	892.38	3/4	1,264.31	3/4	1,636.98	3/4	2,009.65	3/4	2,382.32	3/4	2,754.99	3/4	3,127.66	3/4	3,500.33
5	155.11	5	527.78	5	900.12	5	1,272.07	5	1,644.74	5	2,017.41	5	2,390.08	5	2,762.76	5	3,135.43	5	3,508.10
1/4	162.87	1/4	535.54	1/4	907.86	1/4	1,279.83	1/4	1,652.51	1/4	2,025.18	1/4	2,397.85	1/4	2,770.52	1/4	3,143.19	1/4	3,515.86
1/2	170.64	1/2	543.31	1/2	915.60	1/2	1,287.60	1/2	1,660.27	1/2	2,032.94	1/2	2,405.61	1/2	2,778.28	1/2	3,150.95	1/2	3,523.63
3/4	178.40	3/4	551.07	3/4	923.35	3/4	1,295.36	3/4	1,668.04	3/4	2,040.71	3/4	2,413.38	3/4	2,786.05	3/4	3,158.72	3/4	3,531.39
6	186.16	6	558.84	6	931.09	6	1,303.12	6	1,675.80	6	2,048.47	6	2,421.14	6	2,793.81	6	3,166.48	6	3,539.16
1/4	193.93	1/4	566.60	1/4	938.83	1/4	1,310.89	1/4	1,683.56	1/4	2,056.23	1/4	2,428.91	1/4	2,801.57	1/4	3,174.24	1/4	3,546.92
1/2	201.69	1/2	574.36	1/2	946.57	1/2	1,318.65	1/2	1,691.33	1/2	2,064.00	1/2	2,436.67	1/2	2,809.34	1/2	3,182.01	1/2	3,554.68
3/4	209.46	3/4	582.13	3/4	954.32	3/4	1,326.42	3/4	1,699.09	3/4	2,071.76	3/4	2,444.44	3/4	2,817.10	3/4	3,189.77	3/4	3,562.45
7	217.22	7	589.89	7	962.06	7	1,334.18	7	1,706.85	7	2,079.52	7	2,452.20	7	2,824.87	7	3,197.54	7	3,570.21
1/4	224.99	1/4	597.66	1/4	969.80	1/4	1,341.95	1/4	1,714.62	1/4	2,087.29	1/4	2,459.96	1/4	2,832.63	1/4	3,205.30	1/4	3,577.97
1/2	232.75	1/2	605.42	1/2	977.54	1/2	1,349.71	1/2	1,722.38	1/2	2,095.05	1/2	2,467.73	1/2	2,840.39	1/2	3,213.07	1/2	3,585.74
3/4	240.52	3/4	613.18	3/4	985.29	3/4	1,357.48	3/4	1,730.15	3/4	2,102.82	3/4	2,475.49	3/4	2,848.16	3/4	3,220.83	3/4	3,593.50
8	248.28	8	620.95	8	993.03	8	1,365.24	8	1,737.91	8	2,110.58	8	2,483.25	8	2,855.92	8	3,228.60	8	3,601.27
1/4	256.04	1/4	628.71	1/4	1,000.77	1/4	1,373.00	1/4	1,745.67	1/4	2,118.35	1/4	2,491.02	1/4	2,863.68	1/4	3,236.36	1/4	3,609.03
1/2	263.81	1/2	636.48	1/2	1,008.51	1/2	1,380.77	1/2	1,753.44	1/2	2,126.11	1/2	2,498.78	1/2	2,871.45	1/2	3,244.12	1/2	3,616.79
3/4	271.57	3/4	644.24	3/4	1,016.25	3/4	1,388.53	3/4	1,761.20	3/4	2,133.88	3/4	2,506.55	3/4	2,879.21	3/4	3,251.89	3/4	3,624.56
9	279.33	9	652.00	9	1,023.99	9	1,396.29	9	1,768.96	9	2,141.64	9	2,514.31	9	2,886.98	9	3,259.65	9	3,632.32
1/4	287.10	1/4	659.77	1/4	1,031.73	1/4	1,404.06	1/4	1,776.73	1/4	2,149.40	1/4	2,522.07	1/4	2,894.74	1/4	3,267.41	1/4	3,640.03
1/2	294.86	1/2	667.53	1/2	1,039.48	1/2	1,411.82	1/2	1,784.49	1/2	2,157.17	1/2	2,529.84	1/2	2,902.51	1/2	3,275.18	1/2	3,647.75
3/4	302.63	3/4	675.30	3/4	1,047.22	3/4	1,419.59	3/4	1,792.26	3/4	2,164.93	3/4	2,537.60	3/4	2,910.27	3/4	3,282.94	3/4	3,655.46
10	310.39	10	683.06	10	1,054.96	10	1,427.35	10	1,800.02	10	2,172.69	10	2,545.36	10	2,918.04	10	3,290.71	10	3,663.18
1/4	318.15	1/4	690.83	1/4	1,062.70	1/4	1,435.11	1/4	1,807.79	1/4	2,180.46	1/4	2,553.13	1/4	2,925.80	1/4	3,298.47	1/4	3,670.64
1/2	325.92	1/2	698.59	1/2	1,070.45	1/2	1,442.88	1/2	1,815.55	1/2	2,188.22	1/2	2,560.89	1/2	2,933.56	1/2	3,306.23	1/2	3,678.10
3/4	333.68	3/4	706.36	3/4	1,078.19	3/4	1,450.64	3/4	1,823.32	3/4	2,195.99	3/4	2,568.66	3/4	2,941.33	3/4	3,314.00	3/4	3,685.56
11	341.44	11	714.12	11	1,085.93	11	1,458.40	11	1,831.08	11	2,203.75	11	2,576.42	11	2,949.09	11	3,321.76	11	3,693.02
1/4	349.21	1/4	721.88	1/4	1,093.67	1/4	1,466.17	1/4	1,838.84	1/4	2,211.51	1/4	2,584.19	1/4	2,956.85	1/4	3,329.52	1/4	3,700.08
1/2	356.97	1/2	729.65	1/2	1,101.42	1/2	1,473.93	1/2	1,846.61	1/2	2,219.28	1/2	2,591.95	1/2	2,964.62	1/2	3,337.29	1/2	3,707.14
3/4	364.74	3/4	737.41	3/4	1,109.16	3/4	1,481.70	3/4	1,854.37	3/4	2,227.04	3/4	2,599.72	3/4	2,972.38	3/4	3,345.05	3/4	3,714.20

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
GAUGE POINT: RIM OF 2" DIA. BALL VALVE LOCATED NEAR CENTER OF TANK.

PRECISION MEASUREMENT
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BARGE "MMI 3022"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15-04 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	3,721.26	0	4,010.73	0	4,295.95	0	4,579.70	0	4,853.06	0		0		0		0		0	
1/4	3,727.91	1/4	4,016.67	1/4	4,301.89	1/4	4,585.49	1/4	4,858.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,734.56	1/2	4,022.61	1/2	4,307.83	1/2	4,591.27	1/2	4,863.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,741.21	3/4	4,028.56	3/4	4,313.77	3/4	4,597.06	3/4	4,868.86	3/4		3/4		3/4		3/4		3/4	
1	3,747.86	1	4,034.50	1	4,319.71	1	4,602.85	1	4,874.13	1		1		1		1		1	
1/4	3,754.13	1/4	4,040.44	1/4	4,325.65	1/4	4,608.64	1/4	4,878.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,760.40	1/2	4,046.38	1/2	4,331.59	1/2	4,614.42	1/2	4,883.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,766.68	3/4	4,052.33	3/4	4,337.54	3/4	4,620.21	3/4	4,887.50	3/4		3/4		3/4		3/4		3/4	
2	3,772.95	2	4,058.27	2	4,343.48	2	4,626.00	2	4,891.96	2		2		2		2		2	
1/4	3,778.92	1/4	4,064.21	1/4	4,349.42	1/4	4,631.79	1/4	4,895.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,784.88	1/2	4,070.15	1/2	4,355.36	1/2	4,637.58	1/2	4,898.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,790.85	3/4	4,076.09	3/4	4,361.31	3/4	4,643.36	3/4	4,902.09	3/4		3/4		3/4		3/4		3/4	
3	3,796.82	3	4,082.03	3	4,367.25	3	4,649.15	3	4,905.46	3		3		3		3		3	
1/4	3,802.76	1/4	4,087.97	1/4	4,373.19	1/4	4,654.88	1/4	4,907.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,808.70	1/2	4,093.91	1/2	4,379.13	1/2	4,660.61	1/2	4,909.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,814.65	3/4	4,099.86	3/4	4,385.08	3/4	4,666.33	3/4	4,912.16	3/4		3/4		3/4		3/4		3/4	
4	3,820.59	4	4,105.80	4	4,391.02	4	4,672.06	4	4,914.39	4		4		4		4		4	
1/4	3,826.53	1/4	4,111.74	1/4	4,396.96	1/4	4,677.79	1/4	4,915.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,832.47	1/2	4,117.68	1/2	4,402.90	1/2	4,683.51	1/2	4,916.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,838.41	3/4	4,123.63	3/4	4,408.85	3/4	4,689.24	3/4	4,917.84	3/4		3/4		3/4		3/4		3/4	
5	3,844.35	5	4,129.57	5	4,414.79	5	4,694.96	5	4,918.99	5		5		5		5		5	
1/4	3,850.29	1/4	4,135.51	1/4	4,420.73	1/4	4,700.69	1/4	4,919.31	1/4		1/4		1/4		1/4		1/4	
1/2	3,856.23	1/2	4,141.45	1/2	4,426.67	1/2	4,706.42	1/2	4,919.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,862.18	3/4	4,147.40	3/4	4,432.61	3/4	4,712.14	3/4	4,919.96	3/4		3/4		3/4		3/4		3/4	
6	3,868.12	6	4,153.34	6	4,438.55	6	4,717.87	6	4,920.28	6		6		6		6		6	
1/4	3,874.06	1/4	4,159.28	1/4	4,444.46	1/4	4,723.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,880.00	1/2	4,165.22	1/2	4,450.37	1/2	4,729.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,885.95	3/4	4,171.17	3/4	4,456.29	3/4	4,734.86	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,891.89	7	4,177.11	7	4,462.20	7	4,740.52	7		7		7		7		7		7	
1/4	3,897.83	1/4	4,183.05	1/4	4,468.11	1/4	4,746.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,903.77	1/2	4,188.99	1/2	4,474.02	1/2	4,751.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,909.72	3/4	4,194.93	3/4	4,479.94	3/4	4,757.52	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,915.66	8	4,200.87	8	4,485.85	8	4,763.18	8		8		8		8		8		8	
1/4	3,921.60	1/4	4,206.81	1/4	4,491.76	1/4	4,768.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,927.54	1/2	4,212.75	1/2	4,497.67	1/2	4,774.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,933.49	3/4	4,218.70	3/4	4,503.59	3/4	4,780.17	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,939.43	9	4,224.64	9	4,509.50	9	4,785.83	9		9		9		9		9		9	
1/4	3,945.37	1/4	4,230.58	1/4	4,515.35	1/4	4,791.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,951.31	1/2	4,236.52	1/2	4,521.20	1/2	4,797.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,957.25	3/4	4,242.47	3/4	4,527.05	3/4	4,802.64	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,963.19	10	4,248.41	10	4,532.90	10	4,808.24	10		10		10		10		10		10	
1/4	3,969.13	1/4	4,254.35	1/4	4,538.75	1/4	4,813.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,975.07	1/2	4,260.29	1/2	4,544.60	1/2	4,819.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,981.02	3/4	4,266.24	3/4	4,550.45	3/4	4,825.05	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,986.96	11	4,272.18	11	4,556.30	11	4,830.65	11		11		11		11		11		11	
1/4	3,992.90	1/4	4,278.12	1/4	4,562.15	1/4	4,836.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,998.84	1/2	4,284.06	1/2	4,568.00	1/2	4,841.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,004.79	3/4	4,290.01	3/4	4,573.85	3/4	4,847.46	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 06/12/2000 INSP
REPRINTED: 08/25/2018

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2018

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 3022"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	30.52	0	388.03	0	760.70	0	1,132.38	0	1,504.99	0	1,877.66	0	2,250.33	0	2,623.00	0	2,995.68	0	3,368.35
1/4	35.79	1/4	395.79	1/4	768.46	1/4	1,140.13	1/4	1,512.75	1/4	1,885.43	1/4	2,258.10	1/4	2,630.77	1/4	3,003.44	1/4	3,376.11
1/2	41.06	1/2	403.56	1/2	776.22	1/2	1,147.88	1/2	1,520.52	1/2	1,893.19	1/2	2,265.86	1/2	2,638.53	1/2	3,011.20	1/2	3,383.87
3/4	46.33	3/4	411.32	3/4	783.97	3/4	1,155.62	3/4	1,528.28	3/4	1,900.96	3/4	2,273.63	3/4	2,646.30	3/4	3,018.97	3/4	3,391.64
1	51.60	1	419.08	1	791.73	1	1,163.37	1	1,536.04	1	1,908.72	1	2,281.39	1	2,654.06	1	3,026.73	1	3,399.40
1/4	58.20	1/4	426.85	1/4	799.47	1/4	1,171.14	1/4	1,543.81	1/4	1,916.48	1/4	2,289.15	1/4	2,661.83	1/4	3,034.49	1/4	3,407.16
1/2	64.79	1/2	434.61	1/2	807.22	1/2	1,178.90	1/2	1,551.57	1/2	1,924.25	1/2	2,296.92	1/2	2,669.59	1/2	3,042.26	1/2	3,414.93
3/4	71.39	3/4	442.38	3/4	814.96	3/4	1,186.67	3/4	1,559.34	3/4	1,932.01	3/4	2,304.68	3/4	2,677.36	3/4	3,050.02	3/4	3,422.69
2	77.98	2	450.14	2	822.70	2	1,194.43	2	1,567.10	2	1,939.77	2	2,312.44	2	2,685.12	2	3,057.79	2	3,430.46
1/4	85.63	1/4	457.91	1/4	830.44	1/4	1,202.19	1/4	1,574.87	1/4	1,947.54	1/4	2,320.21	1/4	2,692.88	1/4	3,065.55	1/4	3,438.22
1/2	93.29	1/2	465.67	1/2	838.19	1/2	1,209.96	1/2	1,582.63	1/2	1,955.30	1/2	2,327.97	1/2	2,700.65	1/2	3,073.31	1/2	3,445.99
3/4	100.94	3/4	473.43	3/4	845.93	3/4	1,217.72	3/4	1,590.40	3/4	1,963.07	3/4	2,335.74	3/4	2,708.41	3/4	3,081.08	3/4	3,453.75
3	108.59	3	481.20	3	853.67	3	1,225.48	3	1,598.16	3	1,970.83	3	2,343.50	3	2,716.17	3	3,088.84	3	3,461.52
1/4	116.34	1/4	488.96	1/4	861.41	1/4	1,233.25	1/4	1,605.92	1/4	1,978.59	1/4	2,351.27	1/4	2,723.93	1/4	3,096.60	1/4	3,469.28
1/2	124.09	1/2	496.72	1/2	869.15	1/2	1,241.01	1/2	1,613.69	1/2	1,986.36	1/2	2,359.03	1/2	2,731.70	1/2	3,104.37	1/2	3,477.04
3/4	131.83	3/4	504.49	3/4	876.90	3/4	1,248.78	3/4	1,621.45	3/4	1,994.12	3/4	2,366.80	3/4	2,739.46	3/4	3,112.13	3/4	3,484.81
4	139.58	4	512.25	4	884.64	4	1,256.54	4	1,629.21	4	2,001.88	4	2,374.56	4	2,747.23	4	3,119.90	4	3,492.57
1/4	147.35	1/4	520.01	1/4	892.38	1/4	1,264.31	1/4	1,636.98	1/4	2,009.65	1/4	2,382.32	1/4	2,754.99	1/4	3,127.66	1/4	3,500.33
1/2	155.11	1/2	527.78	1/2	900.12	1/2	1,272.07	1/2	1,644.74	1/2	2,017.41	1/2	2,390.09	1/2	2,762.75	1/2	3,135.43	1/2	3,508.10
3/4	162.88	3/4	535.54	3/4	907.87	3/4	1,279.84	3/4	1,652.51	3/4	2,025.18	3/4	2,397.85	3/4	2,770.52	3/4	3,143.19	3/4	3,515.86
5	170.64	5	543.31	5	915.61	5	1,287.60	5	1,660.27	5	2,032.94	5	2,405.61	5	2,778.28	5	3,150.96	5	3,523.63
1/4	178.40	1/4	551.07	1/4	923.35	1/4	1,295.36	1/4	1,668.03	1/4	2,040.71	1/4	2,413.38	1/4	2,786.04	1/4	3,158.72	1/4	3,531.39
1/2	186.17	1/2	558.83	1/2	931.09	1/2	1,303.13	1/2	1,675.80	1/2	2,048.47	1/2	2,421.14	1/2	2,793.81	1/2	3,166.48	1/2	3,539.15
3/4	193.93	3/4	566.60	3/4	938.83	3/4	1,310.89	3/4	1,683.56	3/4	2,056.24	3/4	2,428.91	3/4	2,801.57	3/4	3,174.25	3/4	3,546.92
6	201.69	6	574.36	6	946.57	6	1,318.65	6	1,691.32	6	2,064.00	6	2,436.67	6	2,809.34	6	3,182.01	6	3,554.68
1/4	209.46	1/4	582.13	1/4	954.31	1/4	1,326.42	1/4	1,699.09	1/4	2,071.76	1/4	2,444.43	1/4	2,817.10	1/4	3,189.77	1/4	3,562.44
1/2	217.22	1/2	589.89	1/2	962.05	1/2	1,334.18	1/2	1,706.85	1/2	2,079.53	1/2	2,452.20	1/2	2,824.87	1/2	3,197.54	1/2	3,570.21
3/4	224.99	3/4	597.66	3/4	969.80	3/4	1,341.95	3/4	1,714.62	3/4	2,087.29	3/4	2,459.96	3/4	2,832.63	3/4	3,205.30	3/4	3,577.97
7	232.75	7	605.42	7	977.54	7	1,349.71	7	1,722.38	7	2,095.05	7	2,467.72	7	2,840.40	7	3,213.07	7	3,585.74
1/4	240.51	1/4	613.18	1/4	985.28	1/4	1,357.47	1/4	1,730.15	1/4	2,102.82	1/4	2,475.49	1/4	2,848.16	1/4	3,220.83	1/4	3,593.50
1/2	248.28	1/2	620.95	1/2	993.02	1/2	1,365.24	1/2	1,737.91	1/2	2,110.58	1/2	2,483.25	1/2	2,855.92	1/2	3,228.59	1/2	3,601.27
3/4	256.04	3/4	628.71	3/4	1,000.77	3/4	1,373.00	3/4	1,745.68	3/4	2,118.35	3/4	2,491.02	3/4	2,863.69	3/4	3,236.36	3/4	3,609.03
8	263.80	8	636.48	8	1,008.51	8	1,380.76	8	1,753.44	8	2,126.11	8	2,498.78	8	2,871.45	8	3,244.12	8	3,616.80
1/4	271.57	1/4	644.24	1/4	1,016.25	1/4	1,388.53	1/4	1,761.20	1/4	2,133.87	1/4	2,506.55	1/4	2,879.21	1/4	3,251.88	1/4	3,624.56
1/2	279.33	1/2	652.01	1/2	1,024.00	1/2	1,396.29	1/2	1,768.97	1/2	2,141.64	1/2	2,514.31	1/2	2,886.98	1/2	3,259.65	1/2	3,632.32
3/4	287.10	3/4	659.77	3/4	1,031.74	3/4	1,404.06	3/4	1,776.73	3/4	2,149.40	3/4	2,522.08	3/4	2,894.74	3/4	3,267.41	3/4	3,640.09
9	294.86	9	667.53	9	1,039.48	9	1,411.82	9	1,784.49	9	2,157.16	9	2,529.84	9	2,902.51	9	3,275.18	9	3,647.85
1/4	302.63	1/4	675.30	1/4	1,047.22	1/4	1,419.59	1/4	1,792.26	1/4	2,164.93	1/4	2,537.60	1/4	2,910.27	1/4	3,282.94	1/4	3,655.46
1/2	310.39	1/2	683.06	1/2	1,054.97	1/2	1,427.35	1/2	1,800.02	1/2	2,172.69	1/2	2,545.37	1/2	2,918.03	1/2	3,290.71	1/2	3,663.07
3/4	318.16	3/4	690.83	3/4	1,062.71	3/4	1,435.12	3/4	1,807.79	3/4	2,180.46	3/4	2,553.13	3/4	2,925.80	3/4	3,298.47	3/4	3,670.69
10	325.92	10	698.59	10	1,070.45	10	1,442.88	10	1,815.55	10	2,188.22	10	2,560.89	10	2,933.56	10	3,306.24	10	3,678.30
1/4	333.68	1/4	706.35	1/4	1,078.19	1/4	1,450.64	1/4	1,823.31	1/4	2,195.99	1/4	2,568.66	1/4	2,941.32	1/4	3,314.00	1/4	3,685.56
1/2	341.45	1/2	714.12	1/2	1,085.93	1/2	1,458.41	1/2	1,831.08	1/2	2,203.75	1/2	2,576.42	1/2	2,949.09	1/2	3,321.76	1/2	3,692.82
3/4	349.21	3/4	721.88	3/4	1,093.67	3/4	1,466.17	3/4	1,838.84	3/4	2,211.52	3/4	2,584.19	3/4	2,956.85	3/4	3,329.53	3/4	3,700.08
11	356.97	11	729.64	11	1,101.41	11	1,473.93	11	1,846.60	11	2,219.28	11	2,591.95	11	2,964.62	11	3,337.29	11	3,707.34
1/4	364.74	1/4	737.41	1/4	1,109.15	1/4	1,481.70	1/4	1,854.37	1/4	2,227.04	1/4	2,599.71	1/4	2,972.38	1/4	3,345.05	1/4	3,714.19
1/2	372.50	1/2	745.17	1/2	1,116.90	1/2	1,489.46	1/2	1,862.13	1/2	2,234.81	1/2	2,607.48	1/2	2,980.15	1/2	3,352.82	1/2	3,721.05
3/4	380.27	3/4	752.94	3/4	1,124.64	3/4	1,497.23	3/4	1,869.90	3/4	2,242.57	3/4	2,615.24	3/4	2,987.91	3/4	3,360.58	3/4	3,727.90

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
GAUGE POINT: RIM OF 2" DIA. BALL VALVE LOCATED NEAR CENTER OF TANK.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "MMI 3022"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,734.76	0	4,022.61	0	4,307.83	0	4,591.27	0	4,864.13	0		0		0		0		0	
1/4	3,741.21	1/4	4,028.55	1/4	4,313.77	1/4	4,597.06	1/4	4,869.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,747.66	1/2	4,034.49	1/2	4,319.71	1/2	4,602.85	1/2	4,874.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,754.11	3/4	4,040.44	3/4	4,325.66	3/4	4,608.64	3/4	4,879.13	3/4		3/4		3/4		3/4		3/4	
1	3,760.56	1	4,046.38	1	4,331.60	1	4,614.43	1	4,884.13	1		1		1		1		1	
1/4	3,766.65	1/4	4,052.32	1/4	4,337.54	1/4	4,620.22	1/4	4,888.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,772.74	1/2	4,058.26	1/2	4,343.48	1/2	4,626.00	1/2	4,891.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,778.84	3/4	4,064.21	3/4	4,349.43	3/4	4,631.79	3/4	4,895.87	3/4		3/4		3/4		3/4		3/4	
2	3,784.93	2	4,070.15	2	4,355.37	2	4,637.58	2	4,899.79	2		2		2		2		2	
1/4	3,790.87	1/4	4,076.09	1/4	4,361.31	1/4	4,643.34	1/4	4,902.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,796.81	1/2	4,082.03	1/2	4,367.25	1/2	4,649.09	1/2	4,905.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,802.76	3/4	4,087.98	3/4	4,373.19	3/4	4,654.85	3/4	4,908.20	3/4		3/4		3/4		3/4		3/4	
3	3,808.70	3	4,093.92	3	4,379.13	3	4,660.61	3	4,911.00	3		3		3		3		3	
1/4	3,814.64	1/4	4,099.86	1/4	4,385.07	1/4	4,666.33	1/4	4,912.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,820.58	1/2	4,105.80	1/2	4,391.01	1/2	4,672.06	1/2	4,914.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,826.53	3/4	4,111.75	3/4	4,396.96	3/4	4,677.78	3/4	4,916.08	3/4		3/4		3/4		3/4		3/4	
4	3,832.47	4	4,117.69	4	4,402.90	4	4,683.51	4	4,917.77	4		4		4		4		4	
1/4	3,838.41	1/4	4,123.63	1/4	4,408.84	1/4	4,689.23	1/4	4,918.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,844.35	1/2	4,129.57	1/2	4,414.78	1/2	4,694.96	1/2	4,918.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,850.30	3/4	4,135.51	3/4	4,420.73	3/4	4,700.68	3/4	4,919.60	3/4		3/4		3/4		3/4		3/4	
5	3,856.24	5	4,141.45	5	4,426.67	5	4,706.41	5	4,920.21	5		5		5		5		5	
1/4	3,862.18	1/4	4,147.39	1/4	4,432.60	1/4	4,712.10	1/4	4,920.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,868.12	1/2	4,153.33	1/2	4,438.52	1/2	4,717.80	1/2	4,920.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,874.07	3/4	4,159.28	3/4	4,444.45	3/4	4,723.49	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,880.01	6	4,165.22	6	4,450.38	6	4,729.19	6		6		6		6		6		6	
1/4	3,885.95	1/4	4,171.16	1/4	4,456.29	1/4	4,734.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,891.89	1/2	4,177.10	1/2	4,462.20	1/2	4,740.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,897.83	3/4	4,183.05	3/4	4,468.12	3/4	4,746.18	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,903.77	7	4,188.99	7	4,474.03	7	4,751.85	7		7		7		7		7		7	
1/4	3,909.71	1/4	4,194.93	1/4	4,479.94	1/4	4,757.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,915.65	1/2	4,200.87	1/2	4,485.85	1/2	4,763.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,921.60	3/4	4,206.82	3/4	4,491.76	3/4	4,768.84	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,927.54	8	4,212.76	8	4,497.67	8	4,774.51	8		8		8		8		8		8	
1/4	3,933.48	1/4	4,218.70	1/4	4,503.55	1/4	4,780.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,939.42	1/2	4,224.64	1/2	4,509.43	1/2	4,785.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,945.37	3/4	4,230.59	3/4	4,515.32	3/4	4,791.41	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,951.31	9	4,236.53	9	4,521.20	9	4,797.04	9		9		9		9		9		9	
1/4	3,957.25	1/4	4,242.47	1/4	4,527.05	1/4	4,802.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,963.19	1/2	4,248.41	1/2	4,532.90	1/2	4,808.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,969.14	3/4	4,254.35	3/4	4,538.75	3/4	4,813.85	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,975.08	10	4,260.29	10	4,544.60	10	4,819.45	10		10		10		10		10		10	
1/4	3,981.02	1/4	4,266.23	1/4	4,550.45	1/4	4,825.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,986.96	1/2	4,272.17	1/2	4,556.30	1/2	4,830.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,992.91	3/4	4,278.12	3/4	4,562.15	3/4	4,836.25	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,998.85	11	4,284.06	11	4,568.00	11	4,841.85	11		11		11		11		11		11	
1/4	4,004.79	1/4	4,290.00	1/4	4,573.82	1/4	4,847.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,010.73	1/2	4,295.94	1/2	4,579.63	1/2	4,852.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,016.67	3/4	4,301.89	3/4	4,585.45	3/4	4,858.56	3/4		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 08/2018

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