



BARGE "CTC 29053"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
2 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 PORT	- 00-1/2	00-1/2	- 01-1/8	01-1/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-3/4	02-3/4	- 03-1/2	03-1/2
3 STBD	- 00-1/2	00-1/2	- 01-1/8	01-1/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-3/4	02-3/4	- 03-1/2	03-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 253'-09"

June 11, 2014

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29053"

1 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	21.39	0	355.28	0	716.63	0	1,078.99	0	1,441.35	0	1,803.96	0	2,166.57	0	2,529.18	0	2,891.69	0	3,254.17
1/4	25.62	1/4	362.69	1/4	724.18	1/4	1,086.53	1/4	1,448.90	1/4	1,811.51	1/4	2,174.12	1/4	2,536.74	1/4	2,899.24	1/4	3,261.72
1/2	29.86	1/2	370.10	1/2	731.74	1/2	1,094.07	1/2	1,456.46	1/2	1,819.07	1/2	2,181.68	1/2	2,544.29	1/2	2,906.79	1/2	3,269.27
3/4	34.09	3/4	377.50	3/4	739.29	3/4	1,101.62	3/4	1,464.01	3/4	1,826.62	3/4	2,189.23	3/4	2,551.84	3/4	2,914.34	3/4	3,276.82
1	38.33	1	384.91	1	746.84	1	1,109.16	1	1,471.57	1	1,834.18	1	2,196.79	1	2,559.40	1	2,921.90	1	3,284.37
1/4	43.82	1/4	392.32	1/4	754.40	1/4	1,116.70	1/4	1,479.12	1/4	1,841.73	1/4	2,204.34	1/4	2,566.95	1/4	2,929.45	1/4	3,291.92
1/2	49.31	1/2	399.72	1/2	761.95	1/2	1,124.24	1/2	1,486.67	1/2	1,849.29	1/2	2,211.90	1/2	2,574.51	1/2	2,937.00	1/2	3,299.48
3/4	54.80	3/4	407.13	3/4	769.51	3/4	1,131.78	3/4	1,494.23	3/4	1,856.84	3/4	2,219.45	3/4	2,582.06	3/4	2,944.55	3/4	3,307.03
2	60.30	2	414.54	2	777.06	2	1,139.33	2	1,501.78	2	1,864.39	2	2,227.01	2	2,589.62	2	2,952.10	2	3,314.58
1/4	67.05	1/4	422.07	1/4	784.61	1/4	1,146.87	1/4	1,509.34	1/4	1,871.95	1/4	2,234.56	1/4	2,597.17	1/4	2,959.65	1/4	3,322.13
1/2	73.80	1/2	429.61	1/2	792.17	1/2	1,154.41	1/2	1,516.89	1/2	1,879.50	1/2	2,242.11	1/2	2,604.73	1/2	2,967.21	1/2	3,329.68
3/4	80.55	3/4	437.14	3/4	799.72	3/4	1,161.95	3/4	1,524.45	3/4	1,887.06	3/4	2,249.67	3/4	2,612.28	3/4	2,974.76	3/4	3,337.23
3	87.30	3	444.68	3	807.28	3	1,169.49	3	1,532.00	3	1,894.61	3	2,257.22	3	2,619.83	3	2,982.31	3	3,344.79
1/4	94.77	1/4	452.23	1/4	814.83	1/4	1,177.04	1/4	1,539.56	1/4	1,902.17	1/4	2,264.78	1/4	2,627.39	1/4	2,989.86	1/4	3,352.34
1/2	102.23	1/2	459.79	1/2	822.38	1/2	1,184.58	1/2	1,547.11	1/2	1,909.72	1/2	2,272.33	1/2	2,634.94	1/2	2,997.41	1/2	3,359.89
3/4	109.69	3/4	467.34	3/4	829.94	3/4	1,192.12	3/4	1,554.66	3/4	1,917.28	3/4	2,279.89	3/4	2,642.49	3/4	3,004.96	3/4	3,367.44
4	117.15	4	474.90	4	837.49	4	1,199.66	4	1,562.22	4	1,924.83	4	2,287.44	4	2,650.04	4	3,012.52	4	3,374.99
1/4	124.69	1/4	482.45	1/4	845.05	1/4	1,207.20	1/4	1,569.77	1/4	1,932.38	1/4	2,295.00	1/4	2,657.59	1/4	3,020.07	1/4	3,382.54
1/2	132.23	1/2	490.00	1/2	852.60	1/2	1,214.75	1/2	1,577.33	1/2	1,939.94	1/2	2,302.55	1/2	2,665.14	1/2	3,027.62	1/2	3,390.10
3/4	139.77	3/4	497.56	3/4	860.16	3/4	1,222.29	3/4	1,584.88	3/4	1,947.49	3/4	2,310.10	3/4	2,672.69	3/4	3,035.17	3/4	3,397.65
5	147.30	5	505.11	5	867.71	5	1,229.83	5	1,592.44	5	1,955.05	5	2,317.66	5	2,680.24	5	3,042.72	5	3,405.20
1/4	154.84	1/4	512.67	1/4	875.26	1/4	1,237.38	1/4	1,599.99	1/4	1,962.60	1/4	2,325.21	1/4	2,687.80	1/4	3,050.27	1/4	3,412.75
1/2	162.38	1/2	520.22	1/2	882.82	1/2	1,244.94	1/2	1,607.54	1/2	1,970.16	1/2	2,332.77	1/2	2,695.35	1/2	3,057.82	1/2	3,420.30
3/4	169.92	3/4	527.77	3/4	890.37	3/4	1,252.49	3/4	1,615.10	3/4	1,977.71	3/4	2,340.32	3/4	2,702.90	3/4	3,065.38	3/4	3,427.85
6	177.46	6	535.33	6	897.93	6	1,260.04	6	1,622.65	6	1,985.26	6	2,347.88	6	2,710.45	6	3,072.93	6	3,435.40
1/4	184.88	1/4	542.88	1/4	905.48	1/4	1,267.60	1/4	1,630.21	1/4	1,992.82	1/4	2,355.43	1/4	2,718.00	1/4	3,080.48	1/4	3,442.96
1/2	192.31	1/2	550.44	1/2	913.03	1/2	1,275.15	1/2	1,637.76	1/2	2,000.37	1/2	2,362.98	1/2	2,725.55	1/2	3,088.03	1/2	3,450.51
3/4	199.73	3/4	557.99	3/4	920.59	3/4	1,282.71	3/4	1,645.32	3/4	2,007.93	3/4	2,370.54	3/4	2,733.11	3/4	3,095.58	3/4	3,458.06
7	207.15	7	565.55	7	928.14	7	1,290.26	7	1,652.87	7	2,015.48	7	2,378.09	7	2,740.66	7	3,103.13	7	3,465.61
1/4	214.56	1/4	573.10	1/4	935.69	1/4	1,297.81	1/4	1,660.43	1/4	2,023.04	1/4	2,385.65	1/4	2,748.21	1/4	3,110.69	1/4	3,473.16
1/2	221.97	1/2	580.65	1/2	943.23	1/2	1,305.37	1/2	1,667.98	1/2	2,030.59	1/2	2,393.20	1/2	2,755.76	1/2	3,118.24	1/2	3,480.71
3/4	229.37	3/4	588.21	3/4	950.77	3/4	1,312.92	3/4	1,675.53	3/4	2,038.15	3/4	2,400.76	3/4	2,763.31	3/4	3,125.79	3/4	3,488.27
8	236.78	8	595.76	8	958.32	8	1,320.48	8	1,683.09	8	2,045.70	8	2,408.31	8	2,770.86	8	3,133.34	8	3,495.82
1/4	244.19	1/4	603.32	1/4	965.86	1/4	1,328.03	1/4	1,690.64	1/4	2,053.25	1/4	2,415.87	1/4	2,778.42	1/4	3,140.89	1/4	3,503.37
1/2	251.59	1/2	610.87	1/2	973.40	1/2	1,335.59	1/2	1,698.20	1/2	2,060.81	1/2	2,423.42	1/2	2,785.97	1/2	3,148.44	1/2	3,510.92
3/4	259.00	3/4	618.42	3/4	980.94	3/4	1,343.14	3/4	1,705.75	3/4	2,068.36	3/4	2,430.97	3/4	2,793.52	3/4	3,156.00	3/4	3,518.47
9	266.41	9	625.98	9	988.48	9	1,350.70	9	1,713.31	9	2,075.92	9	2,438.53	9	2,801.07	9	3,163.55	9	3,526.02
1/4	273.81	1/4	633.53	1/4	996.03	1/4	1,358.25	1/4	1,720.86	1/4	2,083.47	1/4	2,446.08	1/4	2,808.62	1/4	3,171.10	1/4	3,533.58
1/2	281.22	1/2	641.09	1/2	1,003.57	1/2	1,365.80	1/2	1,728.42	1/2	2,091.03	1/2	2,453.64	1/2	2,816.17	1/2	3,178.65	1/2	3,541.13
3/4	288.63	3/4	648.64	3/4	1,011.11	3/4	1,373.36	3/4	1,735.97	3/4	2,098.58	3/4	2,461.19	3/4	2,823.73	3/4	3,186.20	3/4	3,548.68
10	296.03	10	656.19	10	1,018.65	10	1,380.91	10	1,743.52	10	2,106.14	10	2,468.75	10	2,831.28	10	3,193.75	10	3,556.23
1/4	303.44	1/4	663.75	1/4	1,026.19	1/4	1,388.47	1/4	1,751.08	1/4	2,113.69	1/4	2,476.30	1/4	2,838.83	1/4	3,201.31	1/4	3,563.78
1/2	310.85	1/2	671.30	1/2	1,033.74	1/2	1,396.02	1/2	1,758.63	1/2	2,121.24	1/2	2,483.86	1/2	2,846.38	1/2	3,208.86	1/2	3,571.33
3/4	318.25	3/4	678.86	3/4	1,041.28	3/4	1,403.58	3/4	1,766.19	3/4	2,128.80	3/4	2,491.41	3/4	2,853.93	3/4	3,216.41	3/4	3,578.89
11	325.66	11	686.41	11	1,048.82	11	1,411.13	11	1,773.74	11	2,136.35	11	2,498.96	11	2,861.48	11	3,223.96	11	3,586.44
1/4	333.07	1/4	693.96	1/4	1,056.36	1/4	1,418.68	1/4	1,781.30	1/4	2,143.91	1/4	2,506.52	1/4	2,869.03	1/4	3,231.51	1/4	3,593.99
1/2	340.47	1/2	701.52	1/2	1,063.90	1/2	1,426.24	1/2	1,788.85	1/2	2,151.46	1/2	2,514.07	1/2	2,876.59	1/2	3,239.06	1/2	3,601.54
3/4	347.88	3/4	709.07	3/4	1,071.45	3/4	1,433.79	3/4	1,796.40	3/4	2,159.02	3/4	2,521.63	3/4	2,884.14	3/4	3,246.61	3/4	3,609.09

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 TO THE TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "CTC 29053"

1 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	3,616.64	0	3,979.12	0	4,340.90	0	4,689.26	0	5,019.33	0		0		0		0		0	
1/4	3,624.19	1/4	3,986.67	1/4	4,348.33	1/4	4,696.32	1/4	5,026.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,631.75	1/2	3,994.22	1/2	4,355.76	1/2	4,703.37	1/2	5,034.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,639.30	3/4	4,001.77	3/4	4,363.20	3/4	4,710.42	3/4	5,041.53	3/4		3/4		3/4		3/4		3/4	
1	3,646.85	1	4,009.33	1	4,370.63	1	4,717.47	1	5,048.93	1		1		1		1		1	
1/4	3,654.40	1/4	4,016.88	1/4	4,378.03	1/4	4,724.46	1/4	5,056.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,661.95	1/2	4,024.43	1/2	4,385.43	1/2	4,731.45	1/2	5,063.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,669.50	3/4	4,031.98	3/4	4,392.83	3/4	4,738.44	3/4	5,071.29	3/4		3/4		3/4		3/4		3/4	
2	3,677.06	2	4,039.53	2	4,400.23	2	4,745.44	2	5,078.74	2		2		2		2		2	
1/4	3,684.61	1/4	4,047.08	1/4	4,407.60	1/4	4,752.39	1/4	5,086.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,692.16	1/2	4,054.64	1/2	4,414.97	1/2	4,759.35	1/2	5,093.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,699.71	3/4	4,062.19	3/4	4,422.35	3/4	4,766.31	3/4	5,101.10	3/4		3/4		3/4		3/4		3/4	
3	3,707.26	3	4,069.74	3	4,429.72	3	4,773.27	3	5,108.56	3		3		3		3		3	
1/4	3,714.81	1/4	4,077.29	1/4	4,437.05	1/4	4,780.19	1/4	5,116.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,722.37	1/2	4,084.84	1/2	4,444.39	1/2	4,787.12	1/2	5,123.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,729.92	3/4	4,092.39	3/4	4,451.73	3/4	4,794.05	3/4	5,130.92	3/4		3/4		3/4		3/4		3/4	
4	3,737.47	4	4,099.95	4	4,459.07	4	4,800.98	4	5,138.37	4		4		4		4		4	
1/4	3,745.02	1/4	4,107.50	1/4	4,466.37	1/4	4,807.87	1/4	5,145.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,752.57	1/2	4,115.05	1/2	4,473.67	1/2	4,814.77	1/2	5,153.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,760.12	3/4	4,122.60	3/4	4,480.98	3/4	4,821.66	3/4	5,160.73	3/4		3/4		3/4		3/4		3/4	
5	3,767.68	5	4,130.15	5	4,488.28	5	4,828.55	5	5,168.18	5		5		5		5		5	
1/4	3,775.23	1/4	4,137.70	1/4	4,495.55	1/4	4,835.41	1/4	5,175.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,782.78	1/2	4,145.26	1/2	4,502.83	1/2	4,842.27	1/2	5,182.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,790.33	3/4	4,152.81	3/4	4,510.10	3/4	4,849.13	3/4	5,190.13	3/4		3/4		3/4		3/4		3/4	
6	3,797.88	6	4,160.36	6	4,517.37	6	4,856.00	6	5,197.45	6		6		6		6		6	
1/4	3,805.43	1/4	4,167.91	1/4	4,524.62	1/4	4,862.82	1/4	5,203.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,812.98	1/2	4,175.46	1/2	4,531.86	1/2	4,869.65	1/2	5,210.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,820.54	3/4	4,183.01	3/4	4,539.10	3/4	4,876.48	3/4	5,216.44	3/4		3/4		3/4		3/4		3/4	
7	3,828.09	7	4,190.56	7	4,546.34	7	4,883.31	7	5,222.77	7		7		7		7		7	
1/4	3,835.64	1/4	4,198.12	1/4	4,553.55	1/4	4,890.11	1/4	5,227.89	1/4		1/4		1/4		1/4		1/4	
1/2	3,843.19	1/2	4,205.67	1/2	4,560.76	1/2	4,896.91	1/2	5,233.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,850.74	3/4	4,213.22	3/4	4,567.97	3/4	4,903.71	3/4	5,238.13	3/4		3/4		3/4		3/4		3/4	
8	3,858.29	8	4,220.77	8	4,575.18	8	4,910.51	8	5,243.24	8		8		8		8		8	
1/4	3,865.85	1/4	4,228.32	1/4	4,582.36	1/4	4,917.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,873.40	1/2	4,235.87	1/2	4,589.53	1/2	4,924.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,880.95	3/4	4,243.41	3/4	4,596.71	3/4	4,930.82	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,888.50	9	4,250.96	9	4,603.89	9	4,937.59	9		9		9		9		9		9	
1/4	3,896.05	1/4	4,258.49	1/4	4,611.03	1/4	4,944.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,903.60	1/2	4,266.02	1/2	4,618.18	1/2	4,951.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,911.16	3/4	4,273.54	3/4	4,625.32	3/4	4,957.80	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,918.71	10	4,281.07	10	4,632.47	10	4,964.54	10		10		10		10		10		10	
1/4	3,926.26	1/4	4,288.57	1/4	4,639.58	1/4	4,971.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,933.81	1/2	4,296.06	1/2	4,646.69	1/2	4,977.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,941.36	3/4	4,303.56	3/4	4,653.81	3/4	4,984.65	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,948.91	11	4,311.06	11	4,660.92	11	4,991.36	11		11		11		11		11		11	
1/4	3,956.47	1/4	4,318.52	1/4	4,668.01	1/4	4,998.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,964.02	1/2	4,325.98	1/2	4,675.09	1/2	5,005.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,971.57	3/4	4,333.44	3/4	4,682.18	3/4	5,012.33	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2014 SW
CALCULATED: 06/12/2014 CL
PRINTED: 06/12/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

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



BARGE "CTC 29053"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	21.38	0	355.20	0	716.46	0	1,077.80	0	1,439.11	0	1,801.64	0	2,164.16	0	2,526.68	0	2,888.91	0	3,251.30
1/4	25.61	1/4	362.60	1/4	724.01	1/4	1,085.30	1/4	1,446.66	1/4	1,809.19	1/4	2,171.71	1/4	2,534.24	1/4	2,896.46	1/4	3,258.85
1/2	29.85	1/2	370.01	1/2	731.56	1/2	1,092.80	1/2	1,454.22	1/2	1,816.74	1/2	2,179.27	1/2	2,541.79	1/2	2,904.01	1/2	3,266.40
3/4	34.08	3/4	377.41	3/4	739.11	3/4	1,100.31	3/4	1,461.77	3/4	1,824.29	3/4	2,186.82	3/4	2,549.34	3/4	2,911.56	3/4	3,273.95
1	38.32	1	384.82	1	746.66	1	1,107.81	1	1,469.32	1	1,831.85	1	2,194.37	1	2,556.90	1	2,919.11	1	3,281.50
1/4	43.81	1/4	392.22	1/4	754.22	1/4	1,115.31	1/4	1,476.87	1/4	1,839.40	1/4	2,201.92	1/4	2,564.45	1/4	2,926.66	1/4	3,289.05
1/2	49.30	1/2	399.63	1/2	761.77	1/2	1,122.81	1/2	1,484.43	1/2	1,846.95	1/2	2,209.48	1/2	2,572.00	1/2	2,934.21	1/2	3,296.60
3/4	54.79	3/4	407.03	3/4	769.32	3/4	1,130.31	3/4	1,491.98	3/4	1,854.50	3/4	2,217.03	3/4	2,579.55	3/4	2,941.76	3/4	3,304.15
2	60.28	2	414.44	2	776.87	2	1,137.81	2	1,499.53	2	1,862.06	2	2,224.58	2	2,587.11	2	2,949.31	2	3,311.70
1/4	67.03	1/4	421.97	1/4	784.43	1/4	1,145.31	1/4	1,507.08	1/4	1,869.61	1/4	2,232.13	1/4	2,594.66	1/4	2,956.86	1/4	3,319.25
1/2	73.78	1/2	429.50	1/2	791.98	1/2	1,152.81	1/2	1,514.64	1/2	1,877.16	1/2	2,239.69	1/2	2,602.21	1/2	2,964.41	1/2	3,326.80
3/4	80.53	3/4	437.04	3/4	799.53	3/4	1,160.31	3/4	1,522.19	3/4	1,884.71	3/4	2,247.24	3/4	2,609.76	3/4	2,971.96	3/4	3,334.35
3	87.28	3	444.57	3	807.08	3	1,167.81	3	1,529.74	3	1,892.27	3	2,254.79	3	2,617.32	3	2,979.51	3	3,341.90
1/4	94.74	1/4	452.12	1/4	814.64	1/4	1,175.31	1/4	1,537.29	1/4	1,899.82	1/4	2,262.34	1/4	2,624.86	1/4	2,987.06	1/4	3,349.45
1/2	102.20	1/2	459.68	1/2	822.19	1/2	1,182.81	1/2	1,544.85	1/2	1,907.37	1/2	2,269.90	1/2	2,632.41	1/2	2,994.61	1/2	3,357.00
3/4	109.66	3/4	467.23	3/4	829.74	3/4	1,190.31	3/4	1,552.40	3/4	1,914.92	3/4	2,277.45	3/4	2,639.96	3/4	3,002.16	3/4	3,364.55
4	117.12	4	474.78	4	837.29	4	1,197.82	4	1,559.95	4	1,922.48	4	2,285.00	4	2,647.51	4	3,009.71	4	3,372.10
1/4	124.66	1/4	482.33	1/4	844.84	1/4	1,205.32	1/4	1,567.50	1/4	1,930.03	1/4	2,292.55	1/4	2,655.05	1/4	3,017.26	1/4	3,379.65
1/2	132.19	1/2	489.89	1/2	852.40	1/2	1,212.82	1/2	1,575.06	1/2	1,937.58	1/2	2,300.11	1/2	2,662.59	1/2	3,024.81	1/2	3,387.20
3/4	139.73	3/4	497.44	3/4	859.95	3/4	1,220.32	3/4	1,582.61	3/4	1,945.13	3/4	2,307.66	3/4	2,670.13	3/4	3,032.36	3/4	3,394.75
5	147.27	5	504.99	5	867.50	5	1,227.82	5	1,590.16	5	1,952.69	5	2,315.21	5	2,677.67	5	3,039.91	5	3,402.30
1/4	154.81	1/4	512.54	1/4	875.05	1/4	1,235.33	1/4	1,597.71	1/4	1,960.24	1/4	2,322.76	1/4	2,685.21	1/4	3,047.46	1/4	3,409.85
1/2	162.34	1/2	520.10	1/2	882.61	1/2	1,242.84	1/2	1,605.27	1/2	1,967.79	1/2	2,330.32	1/2	2,692.74	1/2	3,055.01	1/2	3,417.40
3/4	169.88	3/4	527.65	3/4	890.16	3/4	1,250.36	3/4	1,612.82	3/4	1,975.34	3/4	2,337.87	3/4	2,700.28	3/4	3,062.56	3/4	3,424.95
6	177.42	6	535.20	6	897.71	6	1,257.87	6	1,620.37	6	1,982.90	6	2,345.42	6	2,707.82	6	3,070.10	6	3,432.50
1/4	184.84	1/4	542.75	1/4	905.23	1/4	1,265.42	1/4	1,627.93	1/4	1,990.45	1/4	2,352.97	1/4	2,715.36	1/4	3,077.65	1/4	3,440.05
1/2	192.26	1/2	550.30	1/2	912.75	1/2	1,272.96	1/2	1,635.48	1/2	1,998.00	1/2	2,360.53	1/2	2,722.89	1/2	3,085.20	1/2	3,447.59
3/4	199.68	3/4	557.86	3/4	920.26	3/4	1,280.51	3/4	1,643.03	3/4	2,005.56	3/4	2,368.08	3/4	2,730.43	3/4	3,092.75	3/4	3,455.14
7	207.11	7	565.41	7	927.78	7	1,288.06	7	1,650.58	7	2,013.11	7	2,375.63	7	2,737.97	7	3,100.30	7	3,462.69
1/4	214.51	1/4	572.96	1/4	935.28	1/4	1,295.61	1/4	1,658.14	1/4	2,020.66	1/4	2,383.19	1/4	2,745.51	1/4	3,107.85	1/4	3,470.24
1/2	221.91	1/2	580.51	1/2	942.78	1/2	1,303.16	1/2	1,665.69	1/2	2,028.21	1/2	2,390.74	1/2	2,753.04	1/2	3,115.40	1/2	3,477.79
3/4	229.32	3/4	588.07	3/4	950.29	3/4	1,310.72	3/4	1,673.24	3/4	2,035.77	3/4	2,398.29	3/4	2,760.58	3/4	3,122.95	3/4	3,485.34
8	236.72	8	595.62	8	957.79	8	1,318.27	8	1,680.79	8	2,043.32	8	2,405.84	8	2,768.12	8	3,130.50	8	3,492.89
1/4	244.13	1/4	603.17	1/4	965.29	1/4	1,325.82	1/4	1,688.35	1/4	2,050.87	1/4	2,413.40	1/4	2,775.67	1/4	3,138.05	1/4	3,500.44
1/2	251.53	1/2	610.72	1/2	972.79	1/2	1,333.37	1/2	1,695.90	1/2	2,058.42	1/2	2,420.95	1/2	2,783.22	1/2	3,145.60	1/2	3,507.99
3/4	258.94	3/4	618.28	3/4	980.29	3/4	1,340.93	3/4	1,703.45	3/4	2,065.98	3/4	2,428.50	3/4	2,790.76	3/4	3,153.15	3/4	3,515.54
9	266.34	9	625.83	9	987.79	9	1,348.48	9	1,711.00	9	2,073.53	9	2,436.05	9	2,798.31	9	3,160.70	9	3,523.09
1/4	273.75	1/4	633.38	1/4	995.29	1/4	1,356.03	1/4	1,718.56	1/4	2,081.08	1/4	2,443.61	1/4	2,805.86	1/4	3,168.25	1/4	3,530.64
1/2	281.15	1/2	640.93	1/2	1,002.79	1/2	1,363.58	1/2	1,726.11	1/2	2,088.63	1/2	2,451.16	1/2	2,813.41	1/2	3,175.80	1/2	3,538.19
3/4	288.56	3/4	648.48	3/4	1,010.30	3/4	1,371.14	3/4	1,733.66	3/4	2,096.19	3/4	2,458.71	3/4	2,820.96	3/4	3,183.35	3/4	3,545.74
10	295.96	10	656.04	10	1,017.80	10	1,378.69	10	1,741.21	10	2,103.74	10	2,466.26	10	2,828.51	10	3,190.90	10	3,553.29
1/4	303.37	1/4	663.59	1/4	1,025.30	1/4	1,386.24	1/4	1,748.77	1/4	2,111.29	1/4	2,473.82	1/4	2,836.06	1/4	3,198.45	1/4	3,560.84
1/2	310.77	1/2	671.14	1/2	1,032.80	1/2	1,393.79	1/2	1,756.32	1/2	2,118.84	1/2	2,481.37	1/2	2,843.61	1/2	3,206.00	1/2	3,568.39
3/4	318.18	3/4	678.69	3/4	1,040.30	3/4	1,401.35	3/4	1,763.87	3/4	2,126.40	3/4	2,488.92	3/4	2,851.16	3/4	3,213.55	3/4	3,575.94
11	325.58	11	686.25	11	1,047.80	11	1,408.90	11	1,771.42	11	2,133.95	11	2,496.47	11	2,858.71	11	3,221.10	11	3,583.49
1/4	332.98	1/4	693.80	1/4	1,055.30	1/4	1,416.45	1/4	1,778.98	1/4	2,141.50	1/4	2,504.03	1/4	2,866.26	1/4	3,228.65	1/4	3,591.04
1/2	340.39	1/2	701.35	1/2	1,062.80	1/2	1,424.01	1/2	1,786.53	1/2	2,149.05	1/2	2,511.58	1/2	2,873.81	1/2	3,236.20	1/2	3,598.59
3/4	347.79	3/4	708.90	3/4	1,070.30	3/4	1,431.56	3/4	1,794.08	3/4	2,156.61	3/4	2,519.13	3/4	2,881.36	3/4	3,243.75	3/4	3,606.14

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 TO THE TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" 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 "CTC 29053"

**1 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

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	3,613.69	0	3,976.08	0	4,337.78	0	4,686.05	0	5,016.03	0		0		0		0		0	
1/4	3,621.24	1/4	3,983.63	1/4	4,345.21	1/4	4,693.10	1/4	5,023.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,628.79	1/2	3,991.18	1/2	4,352.64	1/2	4,700.15	1/2	5,030.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,636.34	3/4	3,998.73	3/4	4,360.07	3/4	4,707.20	3/4	5,038.22	3/4		3/4		3/4		3/4		3/4	
1	3,643.89	1	4,006.28	1	4,367.49	1	4,714.25	1	5,045.62	1		1		1		1		1	
1/4	3,651.44	1/4	4,013.83	1/4	4,374.89	1/4	4,721.24	1/4	5,053.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,658.99	1/2	4,021.38	1/2	4,382.29	1/2	4,728.23	1/2	5,060.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,666.54	3/4	4,028.93	3/4	4,389.69	3/4	4,735.22	3/4	5,067.98	3/4		3/4		3/4		3/4		3/4	
2	3,674.09	2	4,036.48	2	4,397.09	2	4,742.21	2	5,075.43	2		2		2		2		2	
1/4	3,681.64	1/4	4,044.03	1/4	4,404.46	1/4	4,749.17	1/4	5,082.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,689.19	1/2	4,051.58	1/2	4,411.83	1/2	4,756.12	1/2	5,090.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,696.74	3/4	4,059.13	3/4	4,419.20	3/4	4,763.08	3/4	5,097.78	3/4		3/4		3/4		3/4		3/4	
3	3,704.29	3	4,066.68	3	4,426.57	3	4,770.03	3	5,105.24	3		3		3		3		3	
1/4	3,711.84	1/4	4,074.23	1/4	4,433.90	1/4	4,776.96	1/4	5,112.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,719.39	1/2	4,081.78	1/2	4,441.24	1/2	4,783.88	1/2	5,120.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,726.94	3/4	4,089.33	3/4	4,448.58	3/4	4,790.81	3/4	5,127.59	3/4		3/4		3/4		3/4		3/4	
4	3,734.49	4	4,096.88	4	4,455.91	4	4,797.74	4	5,135.04	4		4		4		4		4	
1/4	3,742.04	1/4	4,104.43	1/4	4,463.21	1/4	4,804.63	1/4	5,142.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,749.59	1/2	4,111.98	1/2	4,470.52	1/2	4,811.52	1/2	5,149.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,757.14	3/4	4,119.53	3/4	4,477.82	3/4	4,818.41	3/4	5,157.40	3/4		3/4		3/4		3/4		3/4	
5	3,764.69	5	4,127.08	5	4,485.12	5	4,825.31	5	5,164.85	5		5		5		5		5	
1/4	3,772.24	1/4	4,134.63	1/4	4,492.39	1/4	4,832.16	1/4	5,172.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,779.79	1/2	4,142.18	1/2	4,499.66	1/2	4,839.02	1/2	5,179.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,787.34	3/4	4,149.73	3/4	4,506.93	3/4	4,845.88	3/4	5,186.79	3/4		3/4		3/4		3/4		3/4	
6	3,794.89	6	4,157.28	6	4,514.20	6	4,852.74	6	5,194.10	6		6		6		6		6	
1/4	3,802.44	1/4	4,164.83	1/4	4,521.44	1/4	4,859.57	1/4	5,200.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,809.99	1/2	4,172.38	1/2	4,528.69	1/2	4,866.40	1/2	5,206.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,817.54	3/4	4,179.93	3/4	4,535.93	3/4	4,873.22	3/4	5,213.09	3/4		3/4		3/4		3/4		3/4	
7	3,825.08	7	4,187.48	7	4,543.17	7	4,880.05	7	5,219.42	7		7		7		7		7	
1/4	3,832.63	1/4	4,195.03	1/4	4,550.38	1/4	4,886.85	1/4	5,224.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,840.18	1/2	4,202.57	1/2	4,557.58	1/2	4,893.65	1/2	5,229.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,847.73	3/4	4,210.12	3/4	4,564.79	3/4	4,900.44	3/4	5,234.77	3/4		3/4		3/4		3/4		3/4	
8	3,855.28	8	4,217.67	8	4,572.00	8	4,907.24	8	5,239.88	8		8		8		8		8	
1/4	3,862.83	1/4	4,225.22	1/4	4,579.17	1/4	4,914.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,870.38	1/2	4,232.76	1/2	4,586.35	1/2	4,920.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,877.93	3/4	4,240.31	3/4	4,593.52	3/4	4,927.54	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,885.48	9	4,247.85	9	4,600.69	9	4,934.31	9		9		9		9		9		9	
1/4	3,893.03	1/4	4,255.38	1/4	4,607.84	1/4	4,941.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,900.58	1/2	4,262.91	1/2	4,614.98	1/2	4,947.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,908.13	3/4	4,270.43	3/4	4,622.12	3/4	4,954.52	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,915.68	10	4,277.96	10	4,629.27	10	4,961.26	10		10		10		10		10		10	
1/4	3,923.23	1/4	4,285.45	1/4	4,636.38	1/4	4,967.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,930.78	1/2	4,292.95	1/2	4,643.49	1/2	4,974.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,938.33	3/4	4,300.44	3/4	4,650.61	3/4	4,981.36	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,945.88	11	4,307.94	11	4,657.72	11	4,988.07	11		11		11		11		11		11	
1/4	3,953.43	1/4	4,315.40	1/4	4,664.80	1/4	4,995.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,960.98	1/2	4,322.86	1/2	4,671.89	1/2	5,002.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,968.53	3/4	4,330.32	3/4	4,678.97	3/4	5,009.04	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2014 SW
CALCULATED: 06/12/2014 CL
PRINTED: 06/12/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

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



BARGE "CTC 29053"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	21.33	0	354.25	0	714.55	0	1,075.87	0	1,437.18	0	1,798.75	0	2,160.31	0	2,521.88	0	2,883.36	0	3,244.79
1/4	25.55	1/4	361.64	1/4	722.08	1/4	1,083.39	1/4	1,444.72	1/4	1,806.28	1/4	2,167.85	1/4	2,529.41	1/4	2,890.89	1/4	3,252.32
1/2	29.77	1/2	369.02	1/2	729.61	1/2	1,090.91	1/2	1,452.25	1/2	1,813.81	1/2	2,175.38	1/2	2,536.94	1/2	2,898.42	1/2	3,259.85
3/4	33.99	3/4	376.40	3/4	737.15	3/4	1,098.43	3/4	1,459.78	3/4	1,821.35	3/4	2,182.91	3/4	2,544.48	3/4	2,905.95	3/4	3,267.38
1	38.22	1	383.79	1	744.68	1	1,105.95	1	1,467.32	1	1,828.88	1	2,190.44	1	2,552.01	1	2,913.48	1	3,274.91
1/4	43.69	1/4	391.17	1/4	752.21	1/4	1,113.47	1/4	1,474.85	1/4	1,836.41	1/4	2,197.98	1/4	2,559.54	1/4	2,921.01	1/4	3,282.44
1/2	49.17	1/2	398.56	1/2	759.74	1/2	1,120.99	1/2	1,482.38	1/2	1,843.95	1/2	2,205.51	1/2	2,567.07	1/2	2,928.54	1/2	3,289.97
3/4	54.65	3/4	405.94	3/4	767.27	3/4	1,128.51	3/4	1,489.91	3/4	1,851.48	3/4	2,213.04	3/4	2,574.61	3/4	2,936.07	3/4	3,297.50
2	60.12	2	413.33	2	774.81	2	1,136.03	2	1,497.45	2	1,859.01	2	2,220.58	2	2,582.14	2	2,943.60	2	3,305.03
1/4	66.86	1/4	420.84	1/4	782.34	1/4	1,143.55	1/4	1,504.98	1/4	1,866.54	1/4	2,228.11	1/4	2,589.67	1/4	2,951.13	1/4	3,312.56
1/2	73.59	1/2	428.36	1/2	789.87	1/2	1,151.07	1/2	1,512.51	1/2	1,874.08	1/2	2,235.64	1/2	2,597.21	1/2	2,958.66	1/2	3,320.09
3/4	80.32	3/4	435.87	3/4	797.40	3/4	1,158.59	3/4	1,520.04	3/4	1,881.61	3/4	2,243.17	3/4	2,604.74	3/4	2,966.19	3/4	3,327.62
3	87.05	3	443.39	3	804.94	3	1,166.12	3	1,527.58	3	1,889.14	3	2,250.71	3	2,612.27	3	2,973.72	3	3,335.15
1/4	94.49	1/4	450.92	1/4	812.47	1/4	1,173.64	1/4	1,535.11	1/4	1,896.67	1/4	2,258.24	1/4	2,619.80	1/4	2,981.25	1/4	3,342.68
1/2	101.93	1/2	458.45	1/2	820.00	1/2	1,181.16	1/2	1,542.64	1/2	1,904.21	1/2	2,265.77	1/2	2,627.34	1/2	2,988.78	1/2	3,350.21
3/4	109.37	3/4	465.98	3/4	827.53	3/4	1,188.68	3/4	1,550.17	3/4	1,911.74	3/4	2,273.30	3/4	2,634.87	3/4	2,996.31	3/4	3,357.74
4	116.81	4	473.52	4	835.07	4	1,196.20	4	1,557.71	4	1,919.27	4	2,280.84	4	2,642.40	4	3,003.84	4	3,365.27
1/4	124.33	1/4	481.05	1/4	842.60	1/4	1,203.72	1/4	1,565.24	1/4	1,926.80	1/4	2,288.37	1/4	2,649.93	1/4	3,011.37	1/4	3,372.80
1/2	131.85	1/2	488.58	1/2	850.13	1/2	1,211.24	1/2	1,572.77	1/2	1,934.34	1/2	2,295.90	1/2	2,657.46	1/2	3,018.90	1/2	3,380.33
3/4	139.36	3/4	496.11	3/4	857.66	3/4	1,218.76	3/4	1,580.30	3/4	1,941.87	3/4	2,303.43	3/4	2,664.99	3/4	3,026.43	3/4	3,387.86
5	146.88	5	503.64	5	865.19	5	1,226.28	5	1,587.84	5	1,949.40	5	2,310.97	5	2,672.52	5	3,033.96	5	3,395.39
1/4	154.40	1/4	511.18	1/4	872.73	1/4	1,233.81	1/4	1,595.37	1/4	1,956.93	1/4	2,318.50	1/4	2,680.05	1/4	3,041.49	1/4	3,402.92
1/2	161.92	1/2	518.71	1/2	880.26	1/2	1,241.34	1/2	1,602.90	1/2	1,964.47	1/2	2,326.03	1/2	2,687.58	1/2	3,049.02	1/2	3,410.45
3/4	169.43	3/4	526.24	3/4	887.79	3/4	1,248.87	3/4	1,610.43	3/4	1,972.00	3/4	2,333.56	3/4	2,695.11	3/4	3,056.55	3/4	3,417.98
6	176.95	6	533.77	6	895.32	6	1,256.40	6	1,617.97	6	1,979.53	6	2,341.10	6	2,702.64	6	3,064.08	6	3,425.51
1/4	184.35	1/4	541.31	1/4	902.86	1/4	1,263.93	1/4	1,625.50	1/4	1,987.06	1/4	2,348.63	1/4	2,710.17	1/4	3,071.60	1/4	3,433.04
1/2	191.75	1/2	548.84	1/2	910.39	1/2	1,271.47	1/2	1,633.03	1/2	1,994.60	1/2	2,356.16	1/2	2,717.70	1/2	3,079.13	1/2	3,440.57
3/4	199.16	3/4	556.37	3/4	917.92	3/4	1,279.00	3/4	1,640.56	3/4	2,002.13	3/4	2,363.69	3/4	2,725.23	3/4	3,086.66	3/4	3,448.10
7	206.56	7	563.90	7	925.45	7	1,286.53	7	1,648.10	7	2,009.66	7	2,371.23	7	2,732.76	7	3,094.19	7	3,455.63
1/4	213.94	1/4	571.43	1/4	932.98	1/4	1,294.07	1/4	1,655.63	1/4	2,017.19	1/4	2,378.76	1/4	2,740.29	1/4	3,101.72	1/4	3,463.16
1/2	221.33	1/2	578.97	1/2	940.50	1/2	1,301.60	1/2	1,663.16	1/2	2,024.73	1/2	2,386.29	1/2	2,747.82	1/2	3,109.25	1/2	3,470.69
3/4	228.71	3/4	586.50	3/4	948.02	3/4	1,309.13	3/4	1,670.70	3/4	2,032.26	3/4	2,393.82	3/4	2,755.35	3/4	3,116.78	3/4	3,478.22
8	236.10	8	594.03	8	955.54	8	1,316.66	8	1,678.23	8	2,039.79	8	2,401.36	8	2,762.88	8	3,124.31	8	3,485.75
1/4	243.48	1/4	601.56	1/4	963.06	1/4	1,324.20	1/4	1,685.76	1/4	2,047.33	1/4	2,408.89	1/4	2,770.41	1/4	3,131.84	1/4	3,493.28
1/2	250.86	1/2	609.10	1/2	970.58	1/2	1,331.73	1/2	1,693.29	1/2	2,054.86	1/2	2,416.42	1/2	2,777.94	1/2	3,139.37	1/2	3,500.81
3/4	258.25	3/4	616.63	3/4	978.10	3/4	1,339.26	3/4	1,700.83	3/4	2,062.39	3/4	2,423.96	3/4	2,785.47	3/4	3,146.90	3/4	3,508.34
9	265.63	9	624.16	9	985.63	9	1,346.79	9	1,708.36	9	2,069.92	9	2,431.49	9	2,793.00	9	3,154.43	9	3,515.87
1/4	273.02	1/4	631.69	1/4	993.15	1/4	1,354.33	1/4	1,715.89	1/4	2,077.46	1/4	2,439.02	1/4	2,800.53	1/4	3,161.96	1/4	3,523.40
1/2	280.40	1/2	639.23	1/2	1,000.67	1/2	1,361.86	1/2	1,723.42	1/2	2,084.99	1/2	2,446.55	1/2	2,808.06	1/2	3,169.49	1/2	3,530.93
3/4	287.79	3/4	646.76	3/4	1,008.19	3/4	1,369.39	3/4	1,730.96	3/4	2,092.52	3/4	2,454.09	3/4	2,815.59	3/4	3,177.02	3/4	3,538.46
10	295.17	10	654.29	10	1,015.71	10	1,376.92	10	1,738.49	10	2,100.05	10	2,461.62	10	2,823.12	10	3,184.55	10	3,545.99
1/4	302.56	1/4	661.82	1/4	1,023.23	1/4	1,384.46	1/4	1,746.02	1/4	2,107.59	1/4	2,469.15	1/4	2,830.65	1/4	3,192.08	1/4	3,553.52
1/2	309.94	1/2	669.35	1/2	1,030.75	1/2	1,391.99	1/2	1,753.55	1/2	2,115.12	1/2	2,476.68	1/2	2,838.18	1/2	3,199.61	1/2	3,561.05
3/4	317.33	3/4	676.89	3/4	1,038.27	3/4	1,399.52	3/4	1,761.09	3/4	2,122.65	3/4	2,484.22	3/4	2,845.71	3/4	3,207.14	3/4	3,568.58
11	324.71	11	684.42	11	1,045.79	11	1,407.05	11	1,768.62	11	2,130.18	11	2,491.75	11	2,853.24	11	3,214.67	11	3,576.11
1/4	332.10	1/4	691.95	1/4	1,053.31	1/4	1,414.59	1/4	1,776.15	1/4	2,137.72	1/4	2,499.28	1/4	2,860.77	1/4	3,222.20	1/4	3,583.64
1/2	339.48	1/2	699.48	1/2	1,060.83	1/2	1,422.12	1/2	1,783.68	1/2	2,145.25	1/2	2,506.81	1/2	2,868.30	1/2	3,229.73	1/2	3,591.17
3/4	346.87	3/4	707.02	3/4	1,068.35	3/4	1,429.65	3/4	1,791.22	3/4	2,152.78	3/4	2,514.35	3/4	2,875.83	3/4	3,237.26	3/4	3,598.70

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 TO THE TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29053"

2 PORT INNAGE 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	3,606.23	0	3,967.66	0	4,328.40	0	4,675.76	0	5,004.86	0		0		0		0		0	
1/4	3,613.76	1/4	3,975.19	1/4	4,335.81	1/4	4,682.79	1/4	5,012.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,621.29	1/2	3,982.72	1/2	4,343.22	1/2	4,689.82	1/2	5,019.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,628.82	3/4	3,990.25	3/4	4,350.63	3/4	4,696.85	3/4	5,026.99	3/4		3/4		3/4		3/4		3/4	
1	3,636.35	1	3,997.78	1	4,358.04	1	4,703.88	1	5,034.37	1		1		1		1		1	
1/4	3,643.88	1/4	4,005.31	1/4	4,365.42	1/4	4,710.85	1/4	5,041.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,651.41	1/2	4,012.84	1/2	4,372.80	1/2	4,717.82	1/2	5,049.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,658.94	3/4	4,020.37	3/4	4,380.18	3/4	4,724.79	3/4	5,056.67	3/4		3/4		3/4		3/4		3/4	
2	3,666.47	2	4,027.90	2	4,387.56	2	4,731.77	2	5,064.10	2		2		2		2		2	
1/4	3,674.00	1/4	4,035.43	1/4	4,394.91	1/4	4,738.70	1/4	5,071.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,681.53	1/2	4,042.96	1/2	4,402.26	1/2	4,745.64	1/2	5,078.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,689.06	3/4	4,050.49	3/4	4,409.61	3/4	4,752.58	3/4	5,086.39	3/4		3/4		3/4		3/4		3/4	
3	3,696.59	3	4,058.02	3	4,416.96	3	4,759.51	3	5,093.83	3		3		3		3		3	
1/4	3,704.12	1/4	4,065.55	1/4	4,424.27	1/4	4,766.42	1/4	5,101.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,711.65	1/2	4,073.08	1/2	4,431.59	1/2	4,773.33	1/2	5,108.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,719.18	3/4	4,080.61	3/4	4,438.91	3/4	4,780.24	3/4	5,116.12	3/4		3/4		3/4		3/4		3/4	
4	3,726.71	4	4,088.14	4	4,446.22	4	4,787.14	4	5,123.55	4		4		4		4		4	
1/4	3,734.24	1/4	4,095.67	1/4	4,453.51	1/4	4,794.02	1/4	5,130.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,741.77	1/2	4,103.20	1/2	4,460.79	1/2	4,800.89	1/2	5,138.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,749.30	3/4	4,110.73	3/4	4,468.07	3/4	4,807.77	3/4	5,145.85	3/4		3/4		3/4		3/4		3/4	
5	3,756.83	5	4,118.26	5	4,475.35	5	4,814.64	5	5,153.28	5		5		5		5		5	
1/4	3,764.36	1/4	4,125.79	1/4	4,482.61	1/4	4,821.48	1/4	5,160.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,771.89	1/2	4,133.32	1/2	4,489.86	1/2	4,828.32	1/2	5,167.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,779.42	3/4	4,140.85	3/4	4,497.11	3/4	4,835.16	3/4	5,175.16	3/4		3/4		3/4		3/4		3/4	
6	3,786.95	6	4,148.38	6	4,504.36	6	4,842.00	6	5,182.46	6		6		6		6		6	
1/4	3,794.48	1/4	4,155.91	1/4	4,511.58	1/4	4,848.81	1/4	5,188.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,802.01	1/2	4,163.44	1/2	4,518.81	1/2	4,855.62	1/2	5,195.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,809.54	3/4	4,170.97	3/4	4,526.03	3/4	4,862.43	3/4	5,201.40	3/4		3/4		3/4		3/4		3/4	
7	3,817.07	7	4,178.50	7	4,533.25	7	4,869.24	7	5,207.71	7		7		7		7		7	
1/4	3,824.59	1/4	4,186.03	1/4	4,540.44	1/4	4,876.02	1/4	5,212.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,832.12	1/2	4,193.56	1/2	4,547.63	1/2	4,882.80	1/2	5,217.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,839.65	3/4	4,201.09	3/4	4,554.82	3/4	4,889.58	3/4	5,223.02	3/4		3/4		3/4		3/4		3/4	
8	3,847.18	8	4,208.62	8	4,562.00	8	4,896.36	8	5,228.12	8		8		8		8		8	
1/4	3,854.71	1/4	4,216.14	1/4	4,569.16	1/4	4,903.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,862.24	1/2	4,223.67	1/2	4,576.31	1/2	4,909.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,869.77	3/4	4,231.19	3/4	4,583.47	3/4	4,916.61	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,877.30	9	4,238.72	9	4,590.62	9	4,923.36	9		9		9		9		9		9	
1/4	3,884.83	1/4	4,246.22	1/4	4,597.75	1/4	4,930.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,892.36	1/2	4,253.73	1/2	4,604.87	1/2	4,936.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,899.89	3/4	4,261.23	3/4	4,612.00	3/4	4,943.51	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,907.42	10	4,268.74	10	4,619.12	10	4,950.23	10		10		10		10		10		10	
1/4	3,914.95	1/4	4,276.22	1/4	4,626.22	1/4	4,956.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,922.48	1/2	4,283.69	1/2	4,633.31	1/2	4,963.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,930.01	3/4	4,291.16	3/4	4,640.40	3/4	4,970.29	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,937.54	11	4,298.64	11	4,647.50	11	4,976.97	11		11		11		11		11		11	
1/4	3,945.07	1/4	4,306.08	1/4	4,654.56	1/4	4,983.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,952.60	1/2	4,313.52	1/2	4,661.63	1/2	4,990.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,960.13	3/4	4,320.96	3/4	4,668.69	3/4	4,997.88	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2014 SW
CALCULATED: 06/12/2014 CL
PRINTED: 06/12/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

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



BARGE "CTC 29053"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	21.33	0	354.25	0	714.55	0	1,068.10	0	1,421.31	0	1,782.88	0	2,144.45	0	2,506.02	0	2,865.78	0	3,227.21
1/4	25.55	1/4	361.64	1/4	722.09	1/4	1,075.29	1/4	1,428.84	1/4	1,790.41	1/4	2,151.98	1/4	2,513.55	1/4	2,873.31	1/4	3,234.74
1/2	29.77	1/2	369.02	1/2	729.62	1/2	1,082.48	1/2	1,436.37	1/2	1,797.94	1/2	2,159.51	1/2	2,521.08	1/2	2,880.84	1/2	3,242.27
3/4	33.99	3/4	376.41	3/4	737.15	3/4	1,089.67	3/4	1,443.91	3/4	1,805.48	3/4	2,167.04	3/4	2,528.61	3/4	2,888.37	3/4	3,249.80
1	38.22	1	383.79	1	744.68	1	1,096.85	1	1,451.44	1	1,813.01	1	2,174.58	1	2,536.15	1	2,896.90	1	3,257.33
1/4	43.69	1/4	391.18	1/4	752.22	1/4	1,104.04	1/4	1,458.97	1/4	1,820.54	1/4	2,182.11	1/4	2,543.68	1/4	2,903.43	1/4	3,264.86
1/2	49.17	1/2	398.56	1/2	759.75	1/2	1,111.23	1/2	1,466.50	1/2	1,828.07	1/2	2,189.64	1/2	2,551.21	1/2	2,910.96	1/2	3,272.39
3/4	54.65	3/4	405.95	3/4	767.28	3/4	1,118.42	3/4	1,474.04	3/4	1,835.61	3/4	2,197.18	3/4	2,558.75	3/4	2,918.49	3/4	3,279.92
2	60.12	2	413.33	2	774.81	2	1,125.61	2	1,481.57	2	1,843.14	2	2,204.71	2	2,566.28	2	2,926.01	2	3,287.45
1/4	66.86	1/4	420.85	1/4	782.35	1/4	1,132.80	1/4	1,489.10	1/4	1,850.67	1/4	2,212.24	1/4	2,573.81	1/4	2,933.54	1/4	3,294.98
1/2	73.59	1/2	428.36	1/2	789.88	1/2	1,139.99	1/2	1,496.63	1/2	1,858.20	1/2	2,219.77	1/2	2,581.34	1/2	2,941.07	1/2	3,302.51
3/4	80.32	3/4	435.87	3/4	797.41	3/4	1,147.18	3/4	1,504.17	3/4	1,865.74	3/4	2,227.31	3/4	2,588.88	3/4	2,948.60	3/4	3,310.04
3	87.05	3	443.39	3	804.94	3	1,154.37	3	1,511.70	3	1,873.27	3	2,234.84	3	2,596.41	3	2,956.13	3	3,317.57
1/4	94.49	1/4	450.92	1/4	812.48	1/4	1,161.56	1/4	1,519.23	1/4	1,880.80	1/4	2,242.37	1/4	2,603.94	1/4	2,963.66	1/4	3,325.10
1/2	101.93	1/2	458.45	1/2	820.01	1/2	1,168.75	1/2	1,526.77	1/2	1,888.33	1/2	2,249.90	1/2	2,611.46	1/2	2,971.19	1/2	3,332.63
3/4	109.37	3/4	465.98	3/4	827.54	3/4	1,175.94	3/4	1,534.30	3/4	1,895.87	3/4	2,257.44	3/4	2,618.99	3/4	2,978.72	3/4	3,340.16
4	116.81	4	473.52	4	835.07	4	1,183.13	4	1,541.83	4	1,903.40	4	2,264.97	4	2,626.52	4	2,986.25	4	3,347.69
1/4	124.33	1/4	481.05	1/4	842.60	1/4	1,190.32	1/4	1,549.36	1/4	1,910.93	1/4	2,272.50	1/4	2,633.96	1/4	2,993.78	1/4	3,355.22
1/2	131.85	1/2	488.58	1/2	850.14	1/2	1,197.51	1/2	1,556.90	1/2	1,918.47	1/2	2,280.04	1/2	2,641.39	1/2	3,001.31	1/2	3,362.75
3/4	139.36	3/4	496.11	3/4	857.67	3/4	1,204.70	3/4	1,564.43	3/4	1,926.00	3/4	2,287.57	3/4	2,648.83	3/4	3,008.84	3/4	3,370.28
5	146.88	5	503.65	5	865.20	5	1,211.89	5	1,571.96	5	1,933.53	5	2,295.10	5	2,656.27	5	3,016.37	5	3,377.81
1/4	154.40	1/4	511.18	1/4	872.73	1/4	1,219.09	1/4	1,579.49	1/4	1,941.06	1/4	2,302.63	1/4	2,663.69	1/4	3,023.90	1/4	3,385.34
1/2	161.92	1/2	518.71	1/2	880.27	1/2	1,226.29	1/2	1,587.03	1/2	1,948.60	1/2	2,310.17	1/2	2,671.12	1/2	3,031.43	1/2	3,392.87
3/4	169.43	3/4	526.24	3/4	887.80	3/4	1,233.49	3/4	1,594.56	3/4	1,956.13	3/4	2,317.70	3/4	2,678.54	3/4	3,038.96	3/4	3,400.40
6	176.95	6	533.78	6	895.33	6	1,240.69	6	1,602.09	6	1,963.66	6	2,325.23	6	2,685.96	6	3,046.49	6	3,407.93
1/4	184.35	1/4	541.31	1/4	902.57	1/4	1,248.18	1/4	1,609.62	1/4	1,971.19	1/4	2,332.76	1/4	2,693.39	1/4	3,054.02	1/4	3,415.46
1/2	191.75	1/2	548.84	1/2	909.82	1/2	1,255.67	1/2	1,617.16	1/2	1,978.73	1/2	2,340.30	1/2	2,700.81	1/2	3,061.55	1/2	3,422.99
3/4	199.16	3/4	556.37	3/4	917.06	3/4	1,263.16	3/4	1,624.69	3/4	1,986.26	3/4	2,347.83	3/4	2,708.23	3/4	3,069.08	3/4	3,430.52
7	206.56	7	563.91	7	924.30	7	1,270.65	7	1,632.22	7	1,993.79	7	2,355.36	7	2,715.66	7	3,076.61	7	3,438.05
1/4	213.94	1/4	571.44	1/4	931.49	1/4	1,278.19	1/4	1,639.76	1/4	2,001.33	1/4	2,362.89	1/4	2,723.08	1/4	3,084.14	1/4	3,445.58
1/2	221.33	1/2	578.97	1/2	938.68	1/2	1,285.72	1/2	1,647.29	1/2	2,008.86	1/2	2,370.43	1/2	2,730.50	1/2	3,091.67	1/2	3,453.11
3/4	228.71	3/4	586.50	3/4	945.87	3/4	1,293.25	3/4	1,654.82	3/4	2,016.39	3/4	2,377.96	3/4	2,737.93	3/4	3,099.20	3/4	3,460.64
8	236.10	8	594.04	8	953.06	8	1,300.78	8	1,662.35	8	2,023.92	8	2,385.49	8	2,745.35	8	3,106.73	8	3,468.17
1/4	243.48	1/4	601.57	1/4	960.25	1/4	1,308.32	1/4	1,669.89	1/4	2,031.46	1/4	2,393.03	1/4	2,752.87	1/4	3,114.26	1/4	3,475.70
1/2	250.87	1/2	609.10	1/2	967.44	1/2	1,315.85	1/2	1,677.42	1/2	2,038.99	1/2	2,400.56	1/2	2,760.38	1/2	3,121.79	1/2	3,483.23
3/4	258.25	3/4	616.63	3/4	974.63	3/4	1,323.38	3/4	1,684.95	3/4	2,046.52	3/4	2,408.09	3/4	2,767.90	3/4	3,129.32	3/4	3,490.76
9	265.64	9	624.17	9	981.82	9	1,330.91	9	1,692.48	9	2,054.05	9	2,415.62	9	2,775.42	9	3,136.85	9	3,498.29
1/4	273.02	1/4	631.70	1/4	989.01	1/4	1,338.45	1/4	1,700.02	1/4	2,061.59	1/4	2,423.16	1/4	2,782.95	1/4	3,144.38	1/4	3,505.82
1/2	280.41	1/2	639.23	1/2	996.20	1/2	1,345.98	1/2	1,707.55	1/2	2,069.12	1/2	2,430.69	1/2	2,790.48	1/2	3,151.91	1/2	3,513.35
3/4	287.79	3/4	646.76	3/4	1,003.39	3/4	1,353.51	3/4	1,715.08	3/4	2,076.65	3/4	2,438.22	3/4	2,798.01	3/4	3,159.44	3/4	3,520.88
10	295.18	10	654.29	10	1,010.58	10	1,361.05	10	1,722.62	10	2,084.18	10	2,445.75	10	2,805.54	10	3,166.97	10	3,528.41
1/4	302.56	1/4	661.83	1/4	1,017.77	1/4	1,368.58	1/4	1,730.15	1/4	2,091.72	1/4	2,453.29	1/4	2,813.07	1/4	3,174.50	1/4	3,535.94
1/2	309.95	1/2	669.36	1/2	1,024.96	1/2	1,376.11	1/2	1,737.68	1/2	2,099.25	1/2	2,460.82	1/2	2,820.60	1/2	3,182.03	1/2	3,543.47
3/4	317.33	3/4	676.89	3/4	1,032.15	3/4	1,383.64	3/4	1,745.21	3/4	2,106.78	3/4	2,468.35	3/4	2,828.13	3/4	3,189.56	3/4	3,551.00
11	324.72	11	684.42	11	1,039.34	11	1,391.18	11	1,752.75	11	2,114.32	11	2,475.89	11	2,835.66	11	3,197.09	11	3,558.53
1/4	332.10	1/4	691.96	1/4	1,046.53	1/4	1,398.71	1/4	1,760.28	1/4	2,121.85	1/4	2,483.42	1/4	2,843.19	1/4	3,204.62	1/4	3,566.06
1/2	339.49	1/2	699.49	1/2	1,053.72	1/2	1,406.24	1/2	1,767.81	1/2	2,129.38	1/2	2,490.95	1/2	2,850.72	1/2	3,212.15	1/2	3,573.59
3/4	346.87	3/4	707.02	3/4	1,060.91	3/4	1,413.77	3/4	1,775.34	3/4	2,136.91	3/4	2,498.48	3/4	2,858.25	3/4	3,219.68	3/4	3,581.12

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 TO THE TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29053"

2 STBD INNAGE 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	3,588.65	0	3,950.08	0	4,310.82	0	4,658.18	0	4,987.29	0		0		0		0		0	
1/4	3,596.18	1/4	3,957.61	1/4	4,318.23	1/4	4,665.21	1/4	4,994.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.71	1/2	3,965.14	1/2	4,325.64	1/2	4,672.24	1/2	5,002.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,611.24	3/4	3,972.67	3/4	4,333.05	3/4	4,679.27	3/4	5,009.43	3/4		3/4		3/4		3/4		3/4	
1	3,618.77	1	3,980.20	1	4,340.46	1	4,686.30	1	5,016.81	1		1		1		1		1	
1/4	3,626.30	1/4	3,987.73	1/4	4,347.84	1/4	4,693.28	1/4	5,024.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,633.83	1/2	3,995.26	1/2	4,355.22	1/2	4,700.25	1/2	5,031.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,641.36	3/4	4,002.79	3/4	4,362.60	3/4	4,707.22	3/4	5,039.11	3/4		3/4		3/4		3/4		3/4	
2	3,648.89	2	4,010.32	2	4,369.98	2	4,714.19	2	5,046.54	2		2		2		2		2	
1/4	3,656.42	1/4	4,017.85	1/4	4,377.33	1/4	4,721.13	1/4	5,053.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,663.95	1/2	4,025.38	1/2	4,384.68	1/2	4,728.07	1/2	5,061.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.48	3/4	4,032.91	3/4	4,392.03	3/4	4,735.00	3/4	5,068.83	3/4		3/4		3/4		3/4		3/4	
3	3,679.00	3	4,040.44	3	4,399.38	3	4,741.94	3	5,076.26	3		3		3		3		3	
1/4	3,686.53	1/4	4,047.97	1/4	4,406.69	1/4	4,748.85	1/4	5,083.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,694.06	1/2	4,055.50	1/2	4,414.01	1/2	4,755.76	1/2	5,091.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,701.59	3/4	4,063.03	3/4	4,421.33	3/4	4,762.66	3/4	5,098.56	3/4		3/4		3/4		3/4		3/4	
4	3,709.12	4	4,070.56	4	4,428.64	4	4,769.57	4	5,105.99	4		4		4		4		4	
1/4	3,716.65	1/4	4,078.09	1/4	4,435.93	1/4	4,776.45	1/4	5,113.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,724.18	1/2	4,085.62	1/2	4,443.21	1/2	4,783.32	1/2	5,120.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,731.71	3/4	4,093.15	3/4	4,450.49	3/4	4,790.20	3/4	5,128.29	3/4		3/4		3/4		3/4		3/4	
5	3,739.24	5	4,100.68	5	4,457.77	5	4,797.07	5	5,135.72	5		5		5		5		5	
1/4	3,746.77	1/4	4,108.21	1/4	4,465.03	1/4	4,803.91	1/4	5,143.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,754.30	1/2	4,115.74	1/2	4,472.28	1/2	4,810.75	1/2	5,150.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,761.83	3/4	4,123.27	3/4	4,479.53	3/4	4,817.59	3/4	5,157.60	3/4		3/4		3/4		3/4		3/4	
6	3,769.36	6	4,130.80	6	4,486.78	6	4,824.43	6	5,164.89	6		6		6		6		6	
1/4	3,776.89	1/4	4,138.33	1/4	4,494.00	1/4	4,831.24	1/4	5,171.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,784.42	1/2	4,145.86	1/2	4,501.23	1/2	4,838.05	1/2	5,177.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,791.95	3/4	4,153.39	3/4	4,508.45	3/4	4,844.86	3/4	5,183.83	3/4		3/4		3/4		3/4		3/4	
7	3,799.48	7	4,160.92	7	4,515.67	7	4,851.67	7	5,190.15	7		7		7		7		7	
1/4	3,807.01	1/4	4,168.45	1/4	4,522.86	1/4	4,858.45	1/4	5,195.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,814.54	1/2	4,175.98	1/2	4,530.05	1/2	4,865.23	1/2	5,200.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,822.07	3/4	4,183.51	3/4	4,537.24	3/4	4,872.01	3/4	5,205.45	3/4		3/4		3/4		3/4		3/4	
8	3,829.60	8	4,191.04	8	4,544.43	8	4,878.79	8	5,210.55	8		8		8		8		8	
1/4	3,837.13	1/4	4,198.56	1/4	4,551.58	1/4	4,885.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,844.66	1/2	4,206.09	1/2	4,558.74	1/2	4,892.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,852.19	3/4	4,213.61	3/4	4,565.89	3/4	4,899.04	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,859.72	9	4,221.13	9	4,573.05	9	4,905.79	9		9		9		9		9		9	
1/4	3,867.25	1/4	4,228.64	1/4	4,580.17	1/4	4,912.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,874.78	1/2	4,236.15	1/2	4,587.30	1/2	4,919.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,882.31	3/4	4,243.65	3/4	4,594.42	3/4	4,925.95	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,889.84	10	4,251.16	10	4,601.54	10	4,932.67	10		10		10		10		10		10	
1/4	3,897.37	1/4	4,258.63	1/4	4,608.64	1/4	4,939.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,904.90	1/2	4,266.11	1/2	4,615.73	1/2	4,946.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,912.43	3/4	4,273.58	3/4	4,622.83	3/4	4,952.72	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,919.96	11	4,281.06	11	4,629.92	11	4,959.41	11		11		11		11		11		11	
1/4	3,927.49	1/4	4,288.50	1/4	4,636.99	1/4	4,966.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,935.02	1/2	4,295.94	1/2	4,644.05	1/2	4,973.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,942.55	3/4	4,303.38	3/4	4,651.12	3/4	4,980.32	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2014 SW
CALCULATED: 06/12/2014 CL
PRINTED: 06/12/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

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



BARGE "CTC 29053"

3 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	21.23	0	352.63	0	711.29	0	1,070.99	0	1,430.75	0	1,790.68	0	2,150.57	0	2,510.41	0	2,870.06	0	3,228.82
1/4	25.44	1/4	359.98	1/4	718.79	1/4	1,078.48	1/4	1,438.25	1/4	1,798.18	1/4	2,158.07	1/4	2,517.91	1/4	2,877.54	1/4	3,236.27
1/2	29.64	1/2	367.33	1/2	726.28	1/2	1,085.97	1/2	1,445.75	1/2	1,805.68	1/2	2,165.56	1/2	2,525.41	1/2	2,885.02	1/2	3,243.72
3/4	33.84	3/4	374.68	3/4	733.78	3/4	1,093.46	3/4	1,453.25	3/4	1,813.17	3/4	2,173.06	3/4	2,532.90	3/4	2,892.50	3/4	3,251.17
1	38.05	1	382.03	1	741.28	1	1,100.95	1	1,460.74	1	1,820.67	1	2,180.56	1	2,540.40	1	2,959.99	1	3,258.62
1/4	43.50	1/4	389.38	1/4	748.78	1/4	1,108.44	1/4	1,468.24	1/4	1,828.17	1/4	2,188.05	1/4	2,547.90	1/4	2,907.47	1/4	3,266.07
1/2	48.95	1/2	396.73	1/2	756.28	1/2	1,115.93	1/2	1,475.74	1/2	1,835.67	1/2	2,195.55	1/2	2,555.39	1/2	2,914.95	1/2	3,273.51
3/4	54.40	3/4	404.08	3/4	763.78	3/4	1,123.42	3/4	1,483.24	3/4	1,843.17	3/4	2,203.05	3/4	2,562.89	3/4	2,922.43	3/4	3,280.96
2	59.85	2	411.43	2	771.27	2	1,130.90	2	1,490.74	2	1,850.67	2	2,210.54	2	2,570.39	2	2,929.92	2	3,288.41
1/4	66.56	1/4	418.91	1/4	778.77	1/4	1,138.39	1/4	1,498.24	1/4	1,858.17	1/4	2,218.04	1/4	2,577.88	1/4	2,937.40	1/4	3,295.86
1/2	73.26	1/2	426.39	1/2	786.27	1/2	1,145.88	1/2	1,505.74	1/2	1,865.66	1/2	2,225.54	1/2	2,585.38	1/2	2,944.88	1/2	3,303.31
3/4	79.96	3/4	433.87	3/4	793.77	3/4	1,153.37	3/4	1,513.23	3/4	1,873.16	3/4	2,233.03	3/4	2,592.88	3/4	2,952.36	3/4	3,310.75
3	86.66	3	441.35	3	801.27	3	1,160.86	3	1,520.73	3	1,880.66	3	2,240.53	3	2,600.37	3	2,959.85	3	3,318.20
1/4	94.07	1/4	448.85	1/4	808.76	1/4	1,168.35	1/4	1,528.23	1/4	1,888.16	1/4	2,248.03	1/4	2,607.87	1/4	2,967.33	1/4	3,325.67
1/2	101.47	1/2	456.35	1/2	816.26	1/2	1,175.84	1/2	1,535.73	1/2	1,895.66	1/2	2,255.52	1/2	2,615.36	1/2	2,974.81	1/2	3,333.13
3/4	108.88	3/4	463.85	3/4	823.76	3/4	1,183.33	3/4	1,543.23	3/4	1,903.16	3/4	2,263.02	3/4	2,622.86	3/4	2,982.29	3/4	3,340.59
4	116.28	4	471.35	4	831.26	4	1,190.82	4	1,550.73	4	1,910.65	4	2,270.52	4	2,630.35	4	2,989.78	4	3,348.05
1/4	123.77	1/4	478.84	1/4	838.76	1/4	1,198.31	1/4	1,558.23	1/4	1,918.15	1/4	2,278.01	1/4	2,637.84	1/4	2,997.26	1/4	3,355.52
1/2	131.25	1/2	486.34	1/2	846.26	1/2	1,205.81	1/2	1,565.72	1/2	1,925.65	1/2	2,285.51	1/2	2,645.34	1/2	3,004.74	1/2	3,362.98
3/4	138.73	3/4	493.84	3/4	853.75	3/4	1,213.30	3/4	1,573.22	3/4	1,933.15	3/4	2,293.01	3/4	2,652.84	3/4	3,012.22	3/4	3,370.44
5	146.22	5	501.34	5	861.25	5	1,220.79	5	1,580.72	5	1,940.65	5	2,300.50	5	2,660.33	5	3,019.71	5	3,377.91
1/4	153.70	1/4	508.84	1/4	868.75	1/4	1,228.29	1/4	1,588.22	1/4	1,948.15	1/4	2,308.00	1/4	2,667.83	1/4	3,027.19	1/4	3,385.37
1/2	161.18	1/2	516.34	1/2	876.25	1/2	1,235.79	1/2	1,595.72	1/2	1,955.65	1/2	2,315.50	1/2	2,675.32	1/2	3,034.67	1/2	3,392.83
3/4	168.67	3/4	523.83	3/4	883.75	3/4	1,243.29	3/4	1,603.22	3/4	1,963.14	3/4	2,322.99	3/4	2,682.82	3/4	3,042.15	3/4	3,400.30
6	176.15	6	531.33	6	891.25	6	1,250.79	6	1,610.71	6	1,970.64	6	2,330.49	6	2,690.31	6	3,049.64	6	3,407.76
1/4	183.52	1/4	538.83	1/4	898.74	1/4	1,258.29	1/4	1,618.21	1/4	1,978.14	1/4	2,337.99	1/4	2,697.81	1/4	3,057.12	1/4	3,415.23
1/2	190.88	1/2	546.33	1/2	906.23	1/2	1,265.78	1/2	1,625.71	1/2	1,985.64	1/2	2,345.49	1/2	2,705.30	1/2	3,064.60	1/2	3,422.69
3/4	198.25	3/4	553.83	3/4	913.72	3/4	1,273.28	3/4	1,633.21	3/4	1,993.14	3/4	2,352.98	3/4	2,712.80	3/4	3,072.08	3/4	3,430.15
7	205.62	7	561.32	7	921.21	7	1,280.78	7	1,640.71	7	2,000.64	7	2,360.48	7	2,720.29	7	3,079.57	7	3,437.62
1/4	212.97	1/4	568.82	1/4	928.70	1/4	1,288.28	1/4	1,648.21	1/4	2,008.14	1/4	2,367.98	1/4	2,727.79	1/4	3,087.05	1/4	3,445.08
1/2	220.32	1/2	576.32	1/2	936.19	1/2	1,295.78	1/2	1,655.71	1/2	2,015.63	1/2	2,375.47	1/2	2,735.28	1/2	3,094.53	1/2	3,452.55
3/4	227.67	3/4	583.82	3/4	943.68	3/4	1,303.28	3/4	1,663.20	3/4	2,023.13	3/4	2,382.97	3/4	2,742.78	3/4	3,102.01	3/4	3,460.01
8	235.02	8	591.32	8	951.17	8	1,310.77	8	1,670.70	8	2,030.63	8	2,390.47	8	2,750.27	8	3,109.50	8	3,467.47
1/4	242.37	1/4	598.82	1/4	958.66	1/4	1,318.27	1/4	1,678.20	1/4	2,038.13	1/4	2,397.96	1/4	2,757.77	1/4	3,116.98	1/4	3,474.94
1/2	249.72	1/2	606.31	1/2	966.15	1/2	1,325.77	1/2	1,685.70	1/2	2,045.62	1/2	2,405.46	1/2	2,765.27	1/2	3,124.46	1/2	3,482.40
3/4	257.07	3/4	613.81	3/4	973.64	3/4	1,333.27	3/4	1,693.20	3/4	2,053.12	3/4	2,412.96	3/4	2,772.76	3/4	3,131.94	3/4	3,489.87
9	264.42	9	621.31	9	981.12	9	1,340.77	9	1,700.70	9	2,060.61	9	2,420.45	9	2,780.26	9	3,139.43	9	3,497.33
1/4	271.77	1/4	628.81	1/4	988.61	1/4	1,348.27	1/4	1,708.20	1/4	2,068.11	1/4	2,427.95	1/4	2,787.74	1/4	3,146.88	1/4	3,504.79
1/2	279.12	1/2	636.31	1/2	996.10	1/2	1,355.77	1/2	1,715.69	1/2	2,075.60	1/2	2,435.45	1/2	2,795.23	1/2	3,154.33	1/2	3,506.26
3/4	286.47	3/4	643.80	3/4	1,003.59	3/4	1,363.26	3/4	1,723.19	3/4	2,083.10	3/4	2,442.94	3/4	2,802.71	3/4	3,161.78	3/4	3,510.72
10	293.83	10	651.30	10	1,011.08	10	1,370.76	10	1,730.69	10	2,090.60	10	2,450.44	10	2,810.20	10	3,169.24	10	3,515.19
1/4	301.18	1/4	658.80	1/4	1,018.57	1/4	1,378.26	1/4	1,738.19	1/4	2,098.09	1/4	2,457.94	1/4	2,817.68	1/4	3,176.69	1/4	3,519.23
1/2	308.53	1/2	666.30	1/2	1,026.06	1/2	1,385.76	1/2	1,745.69	1/2	2,105.59	1/2	2,465.43	1/2	2,825.16	1/2	3,184.13	1/2	3,523.26
3/4	315.88	3/4	673.80	3/4	1,033.55	3/4	1,393.26	3/4	1,753.19	3/4	2,113.09	3/4	2,472.93	3/4	2,832.64	3/4	3,191.58	3/4	3,527.30
11	323.23	11	681.30	11	1,041.04	11	1,400.76	11	1,760.68	11	2,120.58	11	2,480.43	11	2,840.13	11	3,199.03	11	3,531.34
1/4	330.58	1/4	688.79	1/4	1,048.53	1/4	1,408.26	1/4	1,768.18	1/4	2,128.08	1/4	2,487.92	1/4	2,847.61	1/4	3,206.48	1/4	3,535.37
1/2	337.93	1/2	696.29	1/2	1,056.01	1/2	1,415.75	1/2	1,775.68	1/2	2,135.58	1/2	2,495.42	1/2	2,855.09	1/2	3,213.93	1/2	3,539.41
3/4	345.28	3/4	703.79	3/4	1,063.50	3/4	1,423.25	3/4	1,783.18	3/4	2,143.07	3/4	2,502.92	3/4	2,862.57	3/4	3,221.38	3/4	3,543.45

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 TO THE TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-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 "CTC 29053"

3 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	3,547.49	0	3,741.26	0	3,934.34	0	4,114.10	0	4,276.40	0		0		0		0		0	
1/4	3,551.52	1/4	3,745.29	1/4	3,938.26	1/4	4,117.64	1/4	4,280.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,555.56	1/2	3,749.33	1/2	3,942.17	1/2	4,121.18	1/2	4,284.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,559.60	3/4	3,753.37	3/4	3,946.09	3/4	4,124.72	3/4	4,288.19	3/4		3/4		3/4		3/4		3/4	
1	3,563.63	1	3,757.40	1	3,950.01	1	4,128.26	1	4,292.12	1		1		1		1		1	
1/4	3,567.67	1/4	3,761.44	1/4	3,953.90	1/4	4,131.75	1/4	4,296.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,571.71	1/2	3,765.48	1/2	3,957.78	1/2	4,135.25	1/2	4,300.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,575.74	3/4	3,769.51	3/4	3,961.67	3/4	4,138.74	3/4	4,304.08	3/4		3/4		3/4		3/4		3/4	
2	3,579.78	2	3,773.55	2	3,965.56	2	4,142.23	2	4,308.06	2		2		2		2		2	
1/4	3,583.82	1/4	3,777.59	1/4	3,969.42	1/4	4,145.69	1/4	4,312.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,587.85	1/2	3,781.63	1/2	3,973.27	1/2	4,149.16	1/2	4,316.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,591.89	3/4	3,785.66	3/4	3,977.13	3/4	4,152.62	3/4	4,320.01	3/4		3/4		3/4		3/4		3/4	
3	3,595.93	3	3,789.70	3	3,980.99	3	4,156.08	3	4,324.00	3		3		3		3		3	
1/4	3,599.96	1/4	3,793.74	1/4	3,984.81	1/4	4,159.51	1/4	4,327.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,604.00	1/2	3,797.77	1/2	3,988.64	1/2	4,162.94	1/2	4,331.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,608.04	3/4	3,801.81	3/4	3,992.46	3/4	4,166.37	3/4	4,335.95	3/4		3/4		3/4		3/4		3/4	
4	3,612.08	4	3,805.85	4	3,996.29	4	4,169.81	4	4,339.93	4		4		4		4		4	
1/4	3,616.11	1/4	3,809.88	1/4	4,000.08	1/4	4,173.20	1/4	4,343.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,620.15	1/2	3,813.92	1/2	4,003.87	1/2	4,176.60	1/2	4,347.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,624.19	3/4	3,817.96	3/4	4,007.66	3/4	4,180.00	3/4	4,351.88	3/4		3/4		3/4		3/4		3/4	
5	3,628.22	5	3,821.99	5	4,011.45	5	4,183.40	5	4,355.87	5		5		5		5		5	
1/4	3,632.26	1/4	3,826.03	1/4	4,015.21	1/4	4,186.77	1/4	4,359.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,636.30	1/2	3,830.07	1/2	4,018.97	1/2	4,190.13	1/2	4,363.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,640.33	3/4	3,834.11	3/4	4,022.73	3/4	4,193.50	3/4	4,367.42	3/4		3/4		3/4		3/4		3/4	
6	3,644.37	6	3,838.14	6	4,026.49	6	4,196.86	6	4,371.27	6		6		6		6		6	
1/4	3,648.41	1/4	3,842.18	1/4	4,030.22	1/4	4,200.19	1/4	4,374.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,652.44	1/2	3,846.22	1/2	4,033.95	1/2	4,203.53	1/2	4,377.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,656.48	3/4	3,850.25	3/4	4,037.68	3/4	4,206.86	3/4	4,379.88	3/4		3/4		3/4		3/4		3/4	
7	3,660.52	7	3,854.29	7	4,041.41	7	4,210.20	7	4,382.76	7		7		7		7		7	
1/4	3,664.56	1/4	3,858.33	1/4	4,045.11	1/4	4,213.50	1/4	4,384.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,668.59	1/2	3,862.36	1/2	4,048.81	1/2	4,216.81	1/2	4,386.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,672.63	3/4	3,866.40	3/4	4,052.51	3/4	4,220.11	3/4	4,387.72	3/4		3/4		3/4		3/4		3/4	
8	3,676.67	8	3,870.44	8	4,056.20	8	4,223.42	8	4,389.37	8		8		8		8		8	
1/4	3,680.70	1/4	3,874.47	1/4	4,059.87	1/4	4,226.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,684.74	1/2	3,878.50	1/2	4,063.53	1/2	4,229.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,688.78	3/4	3,882.53	3/4	4,067.19	3/4	4,233.24	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,692.81	9	3,886.57	9	4,070.86	9	4,236.51	9		9		9		9		9		9	
1/4	3,696.85	1/4	3,890.58	1/4	4,074.49	1/4	4,239.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,700.89	1/2	3,894.59	1/2	4,078.12	1/2	4,243.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,704.92	3/4	3,898.61	3/4	4,081.76	3/4	4,246.24	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,708.96	10	3,902.62	10	4,085.39	10	4,249.48	10		10		10		10		10		10	
1/4	3,713.00	1/4	3,906.60	1/4	4,088.99	1/4	4,252.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,717.04	1/2	3,910.58	1/2	4,092.60	1/2	4,255.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,721.07	3/4	3,914.57	3/4	4,096.20	3/4	4,259.10	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,725.11	11	3,918.55	11	4,099.80	11	4,262.31	11		11		11		11		11		11	
1/4	3,729.15	1/4	3,922.50	1/4	4,103.38	1/4	4,265.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,733.18	1/2	3,926.44	1/2	4,106.95	1/2	4,269.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,737.22	3/4	3,930.39	3/4	4,110.52	3/4	4,272.88	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2014 SW
CALCULATED: 06/12/2014 CL
PRINTED: 06/12/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTC 29053"

3 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	21.24	0	352.20	0	710.38	0	1,058.27	0	1,411.13	0	1,769.95	0	2,129.26	0	2,488.51	0	2,845.87	0	3,203.87
1/4	25.44	1/4	359.54	1/4	717.87	1/4	1,065.42	1/4	1,418.55	1/4	1,777.43	1/4	2,136.74	1/4	2,496.00	1/4	2,853.34	1/4	3,211.31
1/2	29.65	1/2	366.88	1/2	725.36	1/2	1,072.58	1/2	1,425.98	1/2	1,784.92	1/2	2,144.22	1/2	2,503.48	1/2	2,860.81	1/2	3,218.74
3/4	33.85	3/4	374.22	3/4	732.84	3/4	1,079.73	3/4	1,433.40	3/4	1,792.40	3/4	2,151.71	3/4	2,510.97	3/4	2,868.28	3/4	3,226.18
1	38.06	1	381.56	1	740.33	1	1,086.88	1	1,440.83	1	1,799.89	1	2,159.19	1	2,518.45	1	2,875.75	1	3,233.61
1/4	43.50	1/4	388.90	1/4	747.82	1/4	1,094.03	1/4	1,448.25	1/4	1,807.38	1/4	2,166.68	1/4	2,525.93	1/4	2,883.21	1/4	3,241.05
1/2	48.94	1/2	396.24	1/2	755.31	1/2	1,101.18	1/2	1,455.68	1/2	1,814.86	1/2	2,174.16	1/2	2,533.42	1/2	2,890.68	1/2	3,248.49
3/4	54.39	3/4	403.58	3/4	762.80	3/4	1,108.33	3/4	1,463.10	3/4	1,822.35	3/4	2,181.65	3/4	2,540.90	3/4	2,898.14	3/4	3,255.92
2	59.83	2	410.92	2	770.29	2	1,115.48	2	1,470.52	2	1,829.84	2	2,189.13	2	2,548.39	2	2,905.61	2	3,263.36
1/4	66.51	1/4	418.39	1/4	777.77	1/4	1,122.63	1/4	1,478.00	1/4	1,837.32	1/4	2,196.62	1/4	2,555.87	1/4	2,913.07	1/4	3,270.79
1/2	73.20	1/2	425.86	1/2	785.26	1/2	1,129.78	1/2	1,485.48	1/2	1,844.81	1/2	2,204.10	1/2	2,563.36	1/2	2,920.53	1/2	3,278.23
3/4	79.88	3/4	433.33	3/4	792.75	3/4	1,136.93	3/4	1,492.96	3/4	1,852.30	3/4	2,211.59	3/4	2,570.84	3/4	2,927.99	3/4	3,285.67
3	86.56	3	440.80	3	800.24	3	1,144.09	3	1,500.44	3	1,859.78	3	2,219.07	3	2,578.33	3	2,935.46	3	3,293.10
1/4	93.96	1/4	448.29	1/4	807.48	1/4	1,151.48	1/4	1,507.93	1/4	1,867.27	1/4	2,226.55	1/4	2,585.81	1/4	2,942.92	1/4	3,300.55
1/2	101.35	1/2	455.78	1/2	814.72	1/2	1,158.88	1/2	1,515.41	1/2	1,874.75	1/2	2,234.04	1/2	2,593.29	1/2	2,950.38	1/2	3,308.00
3/4	108.75	3/4	463.26	3/4	821.96	3/4	1,166.28	3/4	1,522.90	3/4	1,882.24	3/4	2,241.52	3/4	2,600.77	3/4	2,957.85	3/4	3,315.45
4	116.14	4	470.75	4	829.20	4	1,173.68	4	1,530.38	4	1,889.73	4	2,249.01	4	2,608.25	4	2,965.31	4	3,322.90
1/4	123.62	1/4	478.24	1/4	836.38	1/4	1,181.09	1/4	1,537.87	1/4	1,897.21	1/4	2,256.49	1/4	2,615.64	1/4	2,972.77	1/4	3,330.35
1/2	131.10	1/2	485.73	1/2	843.56	1/2	1,188.50	1/2	1,545.36	1/2	1,904.70	1/2	2,263.98	1/2	2,623.03	1/2	2,980.23	1/2	3,337.81
3/4	138.58	3/4	493.22	3/4	850.74	3/4	1,195.91	3/4	1,552.84	3/4	1,912.19	3/4	2,271.46	3/4	2,630.42	3/4	2,987.70	3/4	3,345.26
5	146.06	5	500.71	5	857.92	5	1,203.32	5	1,560.33	5	1,919.67	5	2,278.95	5	2,637.81	5	2,995.16	5	3,352.71
1/4	153.53	1/4	508.19	1/4	865.10	1/4	1,210.73	1/4	1,567.82	1/4	1,927.16	1/4	2,286.43	1/4	2,645.19	1/4	3,002.62	1/4	3,360.16
1/2	161.00	1/2	515.68	1/2	872.27	1/2	1,218.13	1/2	1,575.30	1/2	1,934.64	1/2	2,293.91	1/2	2,652.57	1/2	3,010.08	1/2	3,367.61
3/4	168.48	3/4	523.17	3/4	879.45	3/4	1,225.54	3/4	1,582.79	3/4	1,942.13	3/4	2,301.40	3/4	2,659.94	3/4	3,017.55	3/4	3,375.06
6	175.95	6	530.66	6	886.63	6	1,232.95	6	1,590.27	6	1,949.62	6	2,308.88	6	2,667.32	6	3,025.01	6	3,382.52
1/4	183.31	1/4	538.15	1/4	893.78	1/4	1,240.37	1/4	1,597.76	1/4	1,957.10	1/4	2,316.37	1/4	2,674.70	1/4	3,032.47	1/4	3,389.97
1/2	190.67	1/2	545.64	1/2	900.94	1/2	1,247.79	1/2	1,605.25	1/2	1,964.59	1/2	2,323.85	1/2	2,682.07	1/2	3,039.94	1/2	3,397.42
3/4	198.02	3/4	553.12	3/4	908.09	3/4	1,255.22	3/4	1,612.73	3/4	1,972.08	3/4	2,331.34	3/4	2,689.45	3/4	3,047.40	3/4	3,404.87
7	205.38	7	560.61	7	915.25	7	1,262.64	7	1,620.22	7	1,979.56	7	2,338.82	7	2,696.83	7	3,054.86	7	3,412.32
1/4	212.72	1/4	568.10	1/4	922.40	1/4	1,270.06	1/4	1,627.71	1/4	1,987.05	1/4	2,346.31	1/4	2,704.20	1/4	3,062.33	1/4	3,419.77
1/2	220.06	1/2	575.59	1/2	929.55	1/2	1,277.49	1/2	1,635.19	1/2	1,994.53	1/2	2,353.79	1/2	2,711.58	1/2	3,069.80	1/2	3,427.23
3/4	227.40	3/4	583.08	3/4	936.71	3/4	1,284.91	3/4	1,642.68	3/4	2,002.02	3/4	2,361.28	3/4	2,718.96	3/4	3,077.27	3/4	3,434.68
8	234.74	8	590.57	8	943.86	8	1,292.34	8	1,650.17	8	2,009.51	8	2,368.76	8	2,726.33	8	3,084.74	8	3,442.13
1/4	242.09	1/4	598.05	1/4	951.01	1/4	1,299.76	1/4	1,657.65	1/4	2,016.99	1/4	2,376.24	1/4	2,733.80	1/4	3,092.21	1/4	3,449.58
1/2	249.43	1/2	605.54	1/2	958.16	1/2	1,307.19	1/2	1,665.14	1/2	2,024.47	1/2	2,383.73	1/2	2,741.28	1/2	3,099.68	1/2	3,457.03
3/4	256.77	3/4	613.03	3/4	965.31	3/4	1,314.61	3/4	1,672.62	3/4	2,031.96	3/4	2,391.21	3/4	2,748.75	3/4	3,107.15	3/4	3,464.48
9	264.11	9	620.52	9	972.46	9	1,322.03	9	1,680.11	9	2,039.44	9	2,398.70	9	2,756.22	9	3,114.62	9	3,471.94
1/4	271.45	1/4	628.01	1/4	979.61	1/4	1,329.46	1/4	1,687.60	1/4	2,046.93	1/4	2,406.18	1/4	2,763.69	1/4	3,122.06	1/4	3,479.39
1/2	278.79	1/2	635.50	1/2	986.76	1/2	1,336.88	1/2	1,695.08	1/2	2,054.41	1/2	2,413.67	1/2	2,771.16	1/2	3,129.50	1/2	3,480.84
3/4	286.13	3/4	642.98	3/4	993.91	3/4	1,344.31	3/4	1,702.57	3/4	2,061.90	3/4	2,421.15	3/4	2,778.63	3/4	3,136.94	3/4	3,485.29
10	293.47	10	650.47	10	1,001.07	10	1,351.73	10	1,710.06	10	2,069.38	10	2,428.64	10	2,786.11	10	3,144.38	10	3,489.74
1/4	300.81	1/4	657.96	1/4	1,008.22	1/4	1,359.16	1/4	1,717.54	1/4	2,076.86	1/4	2,436.12	1/4	2,793.58	1/4	3,151.82	1/4	3,497.77
1/2	308.15	1/2	665.45	1/2	1,015.37	1/2	1,366.58	1/2	1,725.03	1/2	2,084.35	1/2	2,443.60	1/2	2,801.05	1/2	3,159.25	1/2	3,497.79
3/4	315.49	3/4	672.94	3/4	1,022.52	3/4	1,374.01	3/4	1,732.51	3/4	2,091.83	3/4	2,451.09	3/4	2,808.52	3/4	3,166.69	3/4	3,501.81
11	322.83	11	680.43	11	1,029.67	11	1,381.43	11	1,740.00	11	2,099.32	11	2,458.57	11	2,815.99	11	3,174.13	11	3,505.84
1/4	330.17	1/4	687.91	1/4	1,036.82	1/4	1,388.86	1/4	1,747.49	1/4	2,106.80	1/4	2,466.06	1/4	2,823.46	1/4	3,181.56	1/4	3,509.86
1/2	337.51	1/2	695.40	1/2	1,043.97	1/2	1,396.28	1/2	1,754.97	1/2	2,114.29	1/2	2,473.54	1/2	2,830.93	1/2	3,189.00	1/2	3,513.88
3/4	344.85	3/4	702.89	3/4	1,051.12	3/4	1,403.70	3/4	1,762.46	3/4	2,121.77	3/4	2,481.03	3/4	2,838.40	3/4	3,196.43	3/4	3,517.91

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 TO THE TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" 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 "CTC 29053"

3 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	3,521.93	0	3,715.06	0	3,907.49	0	4,086.60	0	4,248.25	0		0		0		0		0	
1/4	3,525.95	1/4	3,719.08	1/4	3,911.40	1/4	4,090.13	1/4	4,252.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,529.98	1/2	3,723.11	1/2	3,915.30	1/2	4,093.66	1/2	4,256.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,534.00	3/4	3,727.13	3/4	3,919.21	3/4	4,097.18	3/4	4,260.00	3/4		3/4		3/4		3/4		3/4	
1	3,538.03	1	3,731.15	1	3,923.11	1	4,100.71	1	4,263.92	1		1		1		1		1	
1/4	3,542.05	1/4	3,735.18	1/4	3,926.98	1/4	4,104.19	1/4	4,267.89	1/4		1/4		1/4		1/4		1/4	
1/2	3,546.07	1/2	3,739.20	1/2	3,930.86	1/2	4,107.67	1/2	4,271.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,550.10	3/4	3,743.22	3/4	3,934.73	3/4	4,111.15	3/4	4,275.83	3/4		3/4		3/4		3/4		3/4	
2	3,554.12	2	3,747.25	2	3,938.61	2	4,114.63	2	4,279.80	2		2		2		2		2	
1/4	3,558.14	1/4	3,751.27	1/4	3,942.45	1/4	4,118.08	1/4	4,283.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,562.17	1/2	3,755.29	1/2	3,946.29	1/2	4,121.52	1/2	4,287.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,566.19	3/4	3,759.32	3/4	3,950.14	3/4	4,124.97	3/4	4,291.71	3/4		3/4		3/4		3/4		3/4	
3	3,570.21	3	3,763.34	3	3,953.98	3	4,128.42	3	4,295.68	3		3		3		3		3	
1/4	3,574.24	1/4	3,767.36	1/4	3,957.79	1/4	4,131.84	1/4	4,299.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,578.26	1/2	3,771.39	1/2	3,961.60	1/2	4,135.26	1/2	4,303.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,582.28	3/4	3,775.41	3/4	3,965.42	3/4	4,138.67	3/4	4,307.59	3/4		3/4		3/4		3/4		3/4	
4	3,586.31	4	3,779.44	4	3,969.23	4	4,142.09	4	4,311.57	4		4		4		4		4	
1/4	3,590.33	1/4	3,783.46	1/4	3,973.00	1/4	4,145.48	1/4	4,315.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,594.35	1/2	3,787.48	1/2	3,976.78	1/2	4,148.86	1/2	4,319.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,598.38	3/4	3,791.51	3/4	3,980.56	3/4	4,152.25	3/4	4,323.48	3/4		3/4		3/4		3/4		3/4	
5	3,602.40	5	3,795.53	5	3,984.34	5	4,155.63	5	4,327.45	5		5		5		5		5	
1/4	3,606.42	1/4	3,799.55	1/4	3,988.08	1/4	4,158.98	1/4	4,331.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,610.45	1/2	3,803.58	1/2	3,991.83	1/2	4,162.34	1/2	4,335.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,614.47	3/4	3,807.60	3/4	3,995.58	3/4	4,165.69	3/4	4,338.95	3/4		3/4		3/4		3/4		3/4	
6	3,618.50	6	3,811.62	6	3,999.32	6	4,169.04	6	4,342.79	6		6		6		6		6	
1/4	3,622.52	1/4	3,815.65	1/4	4,003.04	1/4	4,172.36	1/4	4,345.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,626.54	1/2	3,819.67	1/2	4,006.76	1/2	4,175.68	1/2	4,348.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,630.57	3/4	3,823.69	3/4	4,010.47	3/4	4,179.00	3/4	4,351.36	3/4		3/4		3/4		3/4		3/4	
7	3,634.59	7	3,827.72	7	4,014.19	7	4,182.32	7	4,354.22	7		7		7		7		7	
1/4	3,638.61	1/4	3,831.74	1/4	4,017.87	1/4	4,185.61	1/4	4,355.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,642.64	1/2	3,835.76	1/2	4,021.56	1/2	4,188.90	1/2	4,357.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,646.66	3/4	3,839.79	3/4	4,025.24	3/4	4,192.19	3/4	4,359.14	3/4		3/4		3/4		3/4		3/4	
8	3,650.68	8	3,843.81	8	4,028.93	8	4,195.48	8	4,360.78	8		8		8		8		8	
1/4	3,654.71	1/4	3,847.83	1/4	4,032.58	1/4	4,198.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,658.73	1/2	3,851.85	1/2	4,036.23	1/2	4,202.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,662.75	3/4	3,855.87	3/4	4,039.88	3/4	4,205.27	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,666.78	9	3,859.88	9	4,043.53	9	4,208.53	9		9		9		9		9		9	
1/4	3,670.80	1/4	3,863.88	1/4	4,047.15	1/4	4,211.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,674.82	1/2	3,867.88	1/2	4,050.77	1/2	4,214.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,678.85	3/4	3,871.88	3/4	4,054.38	3/4	4,218.21	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,682.87	10	3,875.88	10	4,058.00	10	4,221.44	10		10		10		10		10		10	
1/4	3,686.89	1/4	3,879.85	1/4	4,061.59	1/4	4,224.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,690.92	1/2	3,883.82	1/2	4,065.18	1/2	4,227.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,694.94	3/4	3,887.79	3/4	4,068.77	3/4	4,231.02	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,698.97	11	3,891.76	11	4,072.36	11	4,234.21	11		11		11		11		11		11	
1/4	3,702.99	1/4	3,895.69	1/4	4,075.92	1/4	4,237.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,707.01	1/2	3,899.63	1/2	4,079.48	1/2	4,241.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,711.04	3/4	3,903.56	3/4	4,083.04	3/4	4,244.74	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2014 SW
CALCULATED: 06/12/2014 CL
PRINTED: 06/12/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

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



BARGE "CTC 29053"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2
3 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-1/2	- 03-1/2
3 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-1/2	- 03-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 253'-09"

June 11, 2014

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29053"

1 PORT ULLAGE 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	5,243.24	0	4,910.51	0	4,575.18	0	4,220.77	0	3,858.29	0	3,495.81	0	3,133.34	0	2,770.86	0	2,408.31
1/4		1/4	5,238.12	1/4	4,903.71	1/4	4,567.97	1/4	4,213.22	1/4	3,850.74	1/4	3,488.26	1/4	3,125.79	1/4	2,763.31	1/4	2,400.75
1/2		1/2	5,233.01	1/2	4,896.91	1/2	4,560.76	1/2	4,205.66	1/2	3,843.19	1/2	3,480.71	1/2	3,118.23	1/2	2,755.76	1/2	2,393.20
3/4		3/4	5,227.89	3/4	4,890.11	3/4	4,553.55	3/4	4,198.11	3/4	3,835.64	3/4	3,473.16	3/4	3,110.68	3/4	2,748.21	3/4	2,385.64
1		1	5,222.77	1	4,883.31	1	4,546.34	1	4,190.56	1	3,828.08	1	3,465.61	1	3,103.13	1	2,740.65	1	2,378.09
1/4		1/4	5,216.44	1/4	4,876.48	1/4	4,539.10	1/4	4,183.01	1/4	3,820.53	1/4	3,458.06	1/4	3,095.58	1/4	2,733.10	1/4	2,370.54
1/2		1/2	5,210.11	1/2	4,869.65	1/2	4,531.85	1/2	4,175.46	1/2	3,812.98	1/2	3,450.50	1/2	3,088.03	1/2	2,725.55	1/2	2,362.98
3/4		3/4	5,203.78	3/4	4,862.82	3/4	4,524.61	3/4	4,167.91	3/4	3,805.43	3/4	3,442.95	3/4	3,080.48	3/4	2,718.00	3/4	2,355.43
2		2	5,197.44	2	4,855.99	2	4,517.37	2	4,160.35	2	3,797.88	2	3,435.40	2	3,072.92	2	2,710.45	2	2,347.87
1/4		1/4	5,190.13	1/4	4,849.13	1/4	4,510.10	1/4	4,152.80	1/4	3,790.33	1/4	3,427.85	1/4	3,065.37	1/4	2,702.90	1/4	2,340.32
1/2		1/2	5,182.81	1/2	4,842.27	1/2	4,502.82	1/2	4,145.25	1/2	3,782.77	1/2	3,420.30	1/2	3,057.82	1/2	2,695.34	1/2	2,332.76
3/4		3/4	5,175.50	3/4	4,835.41	3/4	4,495.55	3/4	4,137.70	3/4	3,775.22	3/4	3,412.75	3/4	3,050.27	3/4	2,687.79	3/4	2,325.21
3		3	5,168.18	3	4,828.55	3	4,488.28	3	4,130.15	3	3,767.67	3	3,405.19	3	3,042.72	3	2,680.24	3	2,317.65
1/4		1/4	5,160.73	1/4	4,821.66	1/4	4,480.97	1/4	4,122.60	1/4	3,760.12	1/4	3,397.64	1/4	3,035.17	1/4	2,672.69	1/4	2,310.10
1/2		1/2	5,153.27	1/2	4,814.76	1/2	4,473.67	1/2	4,115.04	1/2	3,752.57	1/2	3,390.09	1/2	3,027.61	1/2	2,665.14	1/2	2,302.55
3/4		3/4	5,145.82	3/4	4,807.87	3/4	4,466.37	3/4	4,107.49	3/4	3,745.02	3/4	3,382.54	3/4	3,020.06	3/4	2,657.59	3/4	2,294.99
4		4	5,138.37	4	4,800.97	4	4,459.06	4	4,099.94	4	3,737.46	4	3,374.99	4	3,012.51	4	2,650.03	4	2,287.44
1/4		1/4	5,130.91	1/4	4,794.05	1/4	4,451.72	1/4	4,092.39	1/4	3,729.91	1/4	3,367.44	1/4	3,004.96	1/4	2,642.48	1/4	2,279.88
1/2		1/2	5,123.46	1/2	4,787.12	1/2	4,444.39	1/2	4,084.84	1/2	3,722.36	1/2	3,359.88	1/2	2,997.41	1/2	2,634.93	1/2	2,272.33
3/4		3/4	5,116.01	3/4	4,780.19	3/4	4,437.05	3/4	4,077.29	3/4	3,714.81	3/4	3,352.33	3/4	2,989.86	3/4	2,627.38	3/4	2,264.77
5		5	5,108.55	5	4,773.26	5	4,429.71	5	4,069.74	5	3,707.26	5	3,344.78	5	2,982.30	5	2,619.83	5	2,257.22
1/4		1/4	5,101.10	1/4	4,766.31	1/4	4,422.34	1/4	4,062.18	1/4	3,699.71	1/4	3,337.23	1/4	2,974.75	1/4	2,612.28	1/4	2,249.66
1/2		1/2	5,093.65	1/2	4,759.35	1/2	4,414.97	1/2	4,054.63	1/2	3,692.16	1/2	3,329.68	1/2	2,967.20	1/2	2,604.72	1/2	2,242.11
3/4		3/4	5,086.19	3/4	4,752.39	3/4	4,407.60	3/4	4,047.08	3/4	3,684.60	3/4	3,322.13	3/4	2,959.65	3/4	2,597.17	3/4	2,234.56
6		6	5,078.74	6	4,745.43	6	4,400.23	6	4,039.53	6	3,677.05	6	3,314.58	6	2,952.10	6	2,589.61	6	2,227.00
1/4		1/4	5,071.29	1/4	4,738.44	1/4	4,392.83	1/4	4,031.98	1/4	3,669.50	1/4	3,307.02	1/4	2,944.55	1/4	2,582.06	1/4	2,219.45
1/2		1/2	5,063.83	1/2	4,731.45	1/2	4,385.43	1/2	4,024.43	1/2	3,661.95	1/2	3,299.47	1/2	2,937.00	1/2	2,574.50	1/2	2,211.89
3/4		3/4	5,056.38	3/4	4,724.46	3/4	4,378.02	3/4	4,016.87	3/4	3,654.40	3/4	3,291.92	3/4	2,929.44	3/4	2,566.95	3/4	2,204.34
7		7	5,048.93	7	4,717.47	7	4,370.62	7	4,009.32	7	3,646.85	7	3,284.37	7	2,921.89	7	2,559.40	7	2,196.78
1/4		1/4	5,041.52	1/4	4,710.41	1/4	4,363.19	1/4	4,001.77	1/4	3,639.29	1/4	3,276.82	1/4	2,914.34	1/4	2,551.84	1/4	2,189.23
1/2		1/2	5,034.12	1/2	4,703.36	1/2	4,355.76	1/2	3,994.22	1/2	3,631.74	1/2	3,269.27	1/2	2,906.79	1/2	2,544.29	1/2	2,181.68
3/4		3/4	5,026.72	3/4	4,696.31	3/4	4,348.33	3/4	3,986.67	3/4	3,624.19	3/4	3,261.71	3/4	2,899.24	3/4	2,536.73	3/4	2,174.12
8		8	5,019.32	8	4,689.26	8	4,340.90	8	3,979.12	8	3,616.64	8	3,254.16	8	2,891.69	8	2,529.18	8	2,166.57
1/4		1/4	5,012.33	1/4	4,682.17	1/4	4,333.44	1/4	3,971.56	1/4	3,609.09	1/4	3,246.61	1/4	2,884.13	1/4	2,521.62	1/4	2,159.01
1/2		1/2	5,005.34	1/2	4,675.09	1/2	4,325.97	1/2	3,964.01	1/2	3,601.54	1/2	3,239.06	1/2	2,876.58	1/2	2,514.07	1/2	2,151.46
3/4		3/4	4,998.35	3/4	4,668.01	3/4	4,318.51	3/4	3,956.46	3/4	3,593.98	3/4	3,231.51	3/4	2,869.03	3/4	2,506.51	3/4	2,143.90
9		9	4,991.35	9	4,660.92	9	4,311.05	9	3,948.91	9	3,586.43	9	3,223.96	9	2,861.48	9	2,498.96	9	2,136.35
1/4		1/4	4,984.65	1/4	4,653.81	1/4	4,303.56	1/4	3,941.36	1/4	3,578.88	1/4	3,216.40	1/4	2,853.93	1/4	2,491.41	1/4	2,128.79
1/2		1/2	4,977.95	1/2	4,646.69	1/2	4,296.06	1/2	3,933.81	1/2	3,571.33	1/2	3,208.85	1/2	2,846.38	1/2	2,483.85	1/2	2,121.24
3/4		3/4	4,971.24	3/4	4,639.58	3/4	4,288.56	3/4	3,926.25	3/4	3,563.78	3/4	3,201.30	3/4	2,838.82	3/4	2,476.30	3/4	2,113.69
10		10	4,964.54	10	4,632.46	10	4,281.07	10	3,918.70	10	3,556.23	10	3,193.75	10	2,831.27	10	2,468.74	10	2,106.13
1/4		1/4	4,957.80	1/4	4,625.32	1/4	4,273.54	1/4	3,911.15	1/4	3,548.67	1/4	3,186.20	1/4	2,823.72	1/4	2,461.19	1/4	2,098.58
1/2		1/2	4,951.06	1/2	4,618.17	1/2	4,266.01	1/2	3,903.60	1/2	3,541.12	1/2	3,178.65	1/2	2,816.17	1/2	2,453.63	1/2	2,091.02
3/4		3/4	4,944.32	3/4	4,611.03	3/4	4,258.48	3/4	3,896.05	3/4	3,533.57	3/4	3,171.09	3/4	2,808.62	3/4	2,446.08	3/4	2,083.47
11		11	4,937.59	11	4,603.88	11	4,250.96	11	3,888.50	11	3,526.02	11	3,163.54	11	2,801.07	11	2,438.52	11	2,075.91
1/4		1/4	4,930.82	1/4	4,596.71	1/4	4,243.41	1/4	3,880.95	1/4	3,518.47	1/4	3,155.99	1/4	2,793.51	1/4	2,430.97	1/4	2,068.36
1/2		1/2	4,924.05	1/2	4,589.53	1/2	4,235.86	1/2	3,873.39	1/2	3,510.92	1/2	3,148.44	1/2	2,785.96	1/2	2,423.42	1/2	2,060.80
3/4		3/4	4,917.28	3/4	4,582.35	3/4	4,228.31	3/4	3,865.84	3/4	3,503.37	3/4	3,140.89	3/4	2,778.41	3/4	2,415.86	3/4	2,053.25

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THE TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29053"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE 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	2,045.70	0	1,683.08	0	1,320.47	0	958.31	0	595.76	0	236.78	0		0		0		0	
1/4	2,038.14	1/4	1,675.53	1/4	1,312.92	1/4	950.77	1/4	588.20	1/4	229.37	1/4		1/4		1/4		1/4	
1/2	2,030.59	1/2	1,667.98	1/2	1,305.36	1/2	943.22	1/2	580.65	1/2	221.96	1/2		1/2		1/2		1/2	
3/4	2,023.03	3/4	1,660.42	3/4	1,297.81	3/4	935.68	3/4	573.10	3/4	214.56	3/4		3/4		3/4		3/4	
1	2,015.48	1	1,652.87	1	1,290.26	1	928.14	1	565.54	1	207.15	1		1		1		1	
1/4	2,007.92	1/4	1,645.31	1/4	1,282.70	1/4	920.58	1/4	557.99	1/4	199.73	1/4		1/4		1/4		1/4	
1/2	2,000.37	1/2	1,637.76	1/2	1,275.15	1/2	913.03	1/2	550.43	1/2	192.30	1/2		1/2		1/2		1/2	
3/4	1,992.82	3/4	1,630.20	3/4	1,267.59	3/4	905.48	3/4	542.88	3/4	184.88	3/4		3/4		3/4		3/4	
2	1,985.26	2	1,622.65	2	1,260.04	2	897.92	2	535.32	2	177.46	2		2		2		2	
1/4	1,977.71	1/4	1,615.10	1/4	1,252.49	1/4	890.37	1/4	527.77	1/4	169.92	1/4		1/4		1/4		1/4	
1/2	1,970.15	1/2	1,607.54	1/2	1,244.93	1/2	882.81	1/2	520.22	1/2	162.38	1/2		1/2		1/2		1/2	
3/4	1,962.60	3/4	1,599.99	3/4	1,237.38	3/4	875.26	3/4	512.66	3/4	154.84	3/4		3/4		3/4		3/4	
3	1,955.04	3	1,592.43	3	1,229.83	3	867.71	3	505.11	3	147.30	3		3		3		3	
1/4	1,947.49	1/4	1,584.88	1/4	1,222.28	1/4	860.15	1/4	497.55	1/4	139.76	1/4		1/4		1/4		1/4	
1/2	1,939.93	1/2	1,577.32	1/2	1,214.74	1/2	852.60	1/2	490.00	1/2	132.22	1/2		1/2		1/2		1/2	
3/4	1,932.38	3/4	1,569.77	3/4	1,207.20	3/4	845.04	3/4	482.45	3/4	124.68	3/4		3/4		3/4		3/4	
4	1,924.83	4	1,562.21	4	1,199.66	4	837.49	4	474.89	4	117.14	4		4		4		4	
1/4	1,917.27	1/4	1,554.66	1/4	1,192.12	1/4	829.93	1/4	467.34	1/4	109.68	1/4		1/4		1/4		1/4	
1/2	1,909.72	1/2	1,547.11	1/2	1,184.57	1/2	822.38	1/2	459.78	1/2	102.22	1/2		1/2		1/2		1/2	
3/4	1,902.16	3/4	1,539.55	3/4	1,177.03	3/4	814.83	3/4	452.23	3/4	94.76	3/4		3/4		3/4		3/4	
5	1,894.61	5	1,532.00	5	1,169.49	5	807.27	5	444.68	5	87.30	5		5		5		5	
1/4	1,887.05	1/4	1,524.44	1/4	1,161.95	1/4	799.72	1/4	437.14	1/4	80.55	1/4		1/4		1/4		1/4	
1/2	1,879.50	1/2	1,516.89	1/2	1,154.41	1/2	792.16	1/2	429.60	1/2	73.80	1/2		1/2		1/2		1/2	
3/4	1,871.94	3/4	1,509.33	3/4	1,146.86	3/4	784.61	3/4	422.07	3/4	67.04	3/4		3/4		3/4		3/4	
6	1,864.39	6	1,501.78	6	1,139.32	6	777.06	6	414.53	6	60.29	6		6		6		6	
1/4	1,856.84	1/4	1,494.22	1/4	1,131.78	1/4	769.50	1/4	407.13	1/4	54.80	1/4		1/4		1/4		1/4	
1/2	1,849.28	1/2	1,486.67	1/2	1,124.24	1/2	761.95	1/2	399.72	1/2	49.31	1/2		1/2		1/2		1/2	
3/4	1,841.73	3/4	1,479.12	3/4	1,116.70	3/4	754.39	3/4	392.31	3/4	43.81	3/4		3/4		3/4		3/4	
7	1,834.17	7	1,471.56	7	1,109.15	7	746.84	7	384.91	7	38.32	7		7		7		7	
1/4	1,826.62	1/4	1,464.01	1/4	1,101.61	1/4	739.29	1/4	377.50	1/4	34.09	1/4		1/4		1/4		1/4	
1/2	1,819.06	1/2	1,456.45	1/2	1,094.07	1/2	731.73	1/2	370.09	1/2	29.85	1/2		1/2		1/2		1/2	
3/4	1,811.51	3/4	1,448.90	3/4	1,086.53	3/4	724.18	3/4	362.69	3/4	25.62	3/4		3/4		3/4		3/4	
8	1,803.96	8	1,441.34	8	1,078.98	8	716.62	8	355.28	8	21.39	8		8		8		8	
1/4	1,796.40	1/4	1,433.79	1/4	1,071.44	1/4	709.07	1/4	347.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,788.85	1/2	1,426.24	1/2	1,063.90	1/2	701.52	1/2	340.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,781.29	3/4	1,418.68	3/4	1,056.36	3/4	693.96	3/4	333.06	3/4		3/4		3/4		3/4		3/4	
9	1,773.74	9	1,411.13	9	1,048.82	9	686.41	9	325.65	9		9		9		9		9	
1/4	1,766.18	1/4	1,403.57	1/4	1,041.27	1/4	678.85	1/4	318.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,758.63	1/2	1,396.02	1/2	1,033.73	1/2	671.30	1/2	310.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,751.07	3/4	1,388.46	3/4	1,026.19	3/4	663.74	3/4	303.43	3/4		3/4		3/4		3/4		3/4	
10	1,743.52	10	1,380.91	10	1,018.65	10	656.19	10	296.03	10		10		10		10		10	
1/4	1,735.97	1/4	1,373.35	1/4	1,011.11	1/4	648.64	1/4	288.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,728.41	1/2	1,365.80	1/2	1,003.56	1/2	641.08	1/2	281.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,720.86	3/4	1,358.25	3/4	996.02	3/4	633.53	3/4	273.81	3/4		3/4		3/4		3/4		3/4	
11	1,713.30	11	1,350.69	11	988.48	11	625.97	11	266.40	11		11		11		11		11	
1/4	1,705.75	1/4	1,343.14	1/4	980.94	1/4	618.42	1/4	259.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,698.19	1/2	1,335.58	1/2	973.40	1/2	610.87	1/2	251.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,690.64	3/4	1,328.03	3/4	965.85	3/4	603.31	3/4	244.18	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2014 SW
CALCULATED: 06/12/2014 CL
PRINTED: 06/12/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CTC 29053"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	4,927.54	0	4,593.52	0	4,240.31	0	3,877.93	0	3,515.54	0	3,153.15	0	2,790.76	0	2,428.50		
1/4	1/4	1/4	1/4	1/4	4,920.78	1/4	4,586.35	1/4	4,232.76	1/4	3,870.38	1/4	3,507.99	1/4	3,145.60	1/4	2,783.21	1/4	2,420.95		
1/2	1/2	1/2	1/2	1/2	4,914.01	1/2	4,579.17	1/2	4,225.22	1/2	3,862.83	1/2	3,500.44	1/2	3,138.05	1/2	2,775.66	1/2	2,413.39		
3/4	3/4	3/4	3/4	3/4	4,907.24	3/4	4,572.00	3/4	4,217.67	3/4	3,855.28	3/4	3,492.89	3/4	3,130.50	3/4	2,768.12	3/4	2,405.84		
1	1	1	1	1	5,234.76	1	4,900.44	1	4,564.79	1	4,210.12	1	3,847.73	1	3,485.34	1	3,122.95	1	2,760.58	1	2,398.29
1/4	1/4	1/4	1/4	1/4	5,229.65	1/4	4,893.64	1/4	4,557.58	1/4	4,202.57	1/4	3,840.18	1/4	3,477.79	1/4	3,115.40	1/4	2,753.04	1/4	2,390.74
1/2	1/2	1/2	1/2	1/2	5,224.53	1/2	4,886.85	1/2	4,550.37	1/2	4,195.02	1/2	3,832.63	1/2	3,470.24	1/2	3,107.85	1/2	2,745.50	1/2	2,383.18
3/4	3/4	3/4	3/4	3/4	5,219.42	3/4	4,880.05	3/4	4,543.17	3/4	4,187.47	3/4	3,825.08	3/4	3,462.69	3/4	3,100.30	3/4	2,737.97	3/4	2,375.63
2	2	2	2	2	5,213.09	2	4,873.22	2	4,535.93	2	4,179.92	2	3,817.53	2	3,455.14	2	3,092.75	2	2,730.43	2	2,368.08
1/4	1/4	1/4	1/4	1/4	5,206.76	1/4	4,866.39	1/4	4,528.68	1/4	4,172.37	1/4	3,809.98	1/4	3,447.59	1/4	3,085.20	1/4	2,722.89	1/4	2,360.53
1/2	1/2	1/2	1/2	1/2	5,200.43	1/2	4,859.57	1/2	4,521.44	1/2	4,164.82	1/2	3,802.43	1/2	3,440.04	1/2	3,077.65	1/2	2,715.35	1/2	2,352.97
3/4	3/4	3/4	3/4	3/4	5,194.10	3/4	4,852.74	3/4	4,514.20	3/4	4,157.27	3/4	3,794.88	3/4	3,432.49	3/4	3,070.10	3/4	2,707.82	3/4	2,345.42
3	3	3	3	3	5,186.78	3	4,845.88	3	4,506.93	3	4,149.72	3	3,817.33	3	3,424.94	3	3,062.55	3	2,700.28	3	2,337.87
1/4	1/4	1/4	1/4	1/4	5,179.47	1/4	4,839.02	1/4	4,499.66	1/4	4,142.17	1/4	3,779.78	1/4	3,417.39	1/4	3,055.00	1/4	2,692.74	1/4	2,330.31
1/2	1/2	1/2	1/2	1/2	5,172.16	1/2	4,832.16	1/2	4,492.39	1/2	4,134.62	1/2	3,772.23	1/2	3,409.84	1/2	3,047.45	1/2	2,685.20	1/2	2,322.76
3/4	3/4	3/4	3/4	3/4	5,164.85	3/4	4,825.30	3/4	4,485.12	3/4	4,127.07	3/4	3,764.68	3/4	3,402.29	3/4	3,039.90	3/4	2,677.67	3/4	2,315.21
4	4	4	4	4	5,157.40	4	4,818.41	4	4,477.82	4	4,119.53	4	3,757.13	4	3,394.74	4	3,032.35	4	2,670.13	4	2,307.66
1/4	1/4	1/4	1/4	1/4	5,149.94	1/4	4,811.52	1/4	4,470.51	1/4	4,111.98	1/4	3,749.58	1/4	3,387.19	1/4	3,024.80	1/4	2,662.59	1/4	2,300.10
1/2	1/2	1/2	1/2	1/2	5,142.49	1/2	4,804.63	1/2	4,463.21	1/2	4,104.43	1/2	3,742.04	1/2	3,379.64	1/2	3,017.25	1/2	2,655.05	1/2	2,292.55
3/4	3/4	3/4	3/4	3/4	5,135.04	3/4	4,797.73	3/4	4,455.91	3/4	4,096.88	3/4	3,734.49	3/4	3,372.09	3/4	3,009.70	3/4	2,647.51	3/4	2,285.00
5	5	5	5	5	5,127.59	5	4,790.81	5	4,448.57	5	4,089.33	5	3,726.94	5	3,364.55	5	3,002.15	5	2,639.96	5	2,277.45
1/4	1/4	1/4	1/4	1/4	5,120.14	1/4	4,783.88	1/4	4,441.24	1/4	4,081.78	1/4	3,719.39	1/4	3,357.00	1/4	2,994.60	1/4	2,632.41	1/4	2,269.89
1/2	1/2	1/2	1/2	1/2	5,112.69	1/2	4,776.96	1/2	4,433.90	1/2	4,074.23	1/2	3,711.84	1/2	3,349.45	1/2	2,987.06	1/2	2,624.86	1/2	2,262.34
3/4	3/4	3/4	3/4	3/4	5,105.23	3/4	4,770.03	3/4	4,426.57	3/4	4,066.68	3/4	3,704.29	3/4	3,341.90	3/4	2,979.51	3/4	2,617.31	3/4	2,254.79
6	6	6	6	6	5,097.78	6	4,763.08	6	4,419.20	6	4,059.13	6	3,696.74	6	3,334.35	6	2,971.96	6	2,609.76	6	2,247.24
1/4	1/4	1/4	1/4	1/4	5,090.33	1/4	4,756.12	1/4	4,411.83	1/4	4,051.58	1/4	3,689.19	1/4	3,326.80	1/4	2,964.41	1/4	2,602.21	1/4	2,239.68
1/2	1/2	1/2	1/2	1/2	5,082.88	1/2	4,749.16	1/2	4,404.46	1/2	4,044.03	1/2	3,681.64	1/2	3,319.25	1/2	2,956.86	1/2	2,594.66	1/2	2,232.13
3/4	3/4	3/4	3/4	3/4	5,075.43	3/4	4,742.21	3/4	4,397.09	3/4	4,036.48	3/4	3,674.09	3/4	3,311.70	3/4	2,949.31	3/4	2,587.10	3/4	2,224.58
7	7	7	7	7	5,067.98	7	4,735.22	7	4,389.69	7	4,028.93	7	3,666.54	7	3,304.15	7	2,941.76	7	2,579.55	7	2,217.03
1/4	1/4	1/4	1/4	1/4	5,060.52	1/4	4,728.23	1/4	4,382.29	1/4	4,021.38	1/4	3,658.99	1/4	3,296.60	1/4	2,934.21	1/4	2,572.00	1/4	2,209.47
1/2	1/2	1/2	1/2	1/2	5,053.07	1/2	4,721.24	1/2	4,374.89	1/2	4,013.83	1/2	3,651.44	1/2	3,289.05	1/2	2,926.66	1/2	2,564.45	1/2	2,201.92
3/4	3/4	3/4	3/4	3/4	5,045.62	3/4	4,714.25	3/4	4,367.49	3/4	4,006.28	3/4	3,643.89	3/4	3,281.50	3/4	2,919.11	3/4	2,556.89	3/4	2,194.37
8	8	8	8	8	5,038.22	8	4,707.20	8	4,360.06	8	3,998.73	8	3,636.34	8	3,273.95	8	2,911.56	8	2,549.34	8	2,186.82
1/4	1/4	1/4	1/4	1/4	5,030.82	1/4	4,700.15	1/4	4,352.63	1/4	3,991.18	1/4	3,628.79	1/4	3,266.40	1/4	2,904.01	1/4	2,541.79	1/4	2,179.26
1/2	1/2	1/2	1/2	1/2	5,023.42	1/2	4,693.10	1/2	4,345.20	1/2	3,983.63	1/2	3,621.24	1/2	3,258.85	1/2	2,896.46	1/2	2,534.24	1/2	2,171.71
3/4	3/4	3/4	3/4	3/4	5,016.03	3/4	4,686.05	3/4	4,337.77	3/4	3,976.08	3/4	3,613.69	3/4	3,251.30	3/4	2,888.91	3/4	2,526.68	3/4	2,164.16
9	9	9	9	9	5,009.04	9	4,678.97	9	4,330.31	9	3,968.53	9	3,606.14	9	3,243.75	9	2,881.36	9	2,519.13	9	2,156.61
1/4	1/4	1/4	1/4	1/4	5,002.05	1/4	4,671.88	1/4	4,322.85	1/4	3,960.98	1/4	3,598.59	1/4	3,236.20	1/4	2,873.81	1/4	2,511.58	1/4	2,149.05
1/2	1/2	1/2	1/2	1/2	4,995.06	1/2	4,664.80	1/2	4,315.39	1/2	3,953.43	1/2	3,591.04	1/2	3,228.65	1/2	2,866.26	1/2	2,504.02	1/2	2,141.50
3/4	3/4	3/4	3/4	3/4	4,988.07	3/4	4,657.72	3/4	4,307.93	3/4	3,945.88	3/4	3,583.49	3/4	3,221.10	3/4	2,858.71	3/4	2,496.47	3/4	2,133.95
10	10	10	10	10	4,981.36	10	4,650.60	10	4,300.44	10	3,938.33	10	3,575.94	10	3,213.55	10	2,851.16	10	2,488.92	10	2,126.39
1/4	1/4	1/4	1/4	1/4	4,974.66	1/4	4,643.49	1/4	4,292.95	1/4	3,930.78	1/4	3,568.39	1/4	3,200.00	1/4	2,843.61	1/4	2,481.37	1/4	2,118.84
1/2	1/2	1/2	1/2	1/2	4,967.96	1/2	4,636.38	1/2	4,285.45	1/2	3,923.23	1/2	3,560.84	1/2	3,198.45	1/2	2,836.06	1/2	2,473.81	1/2	2,111.29
3/4	3/4	3/4	3/4	3/4	4,961.26	3/4	4,629.27	3/4	4,277.96	3/4	3,915.68	3/4	3,553.29	3/4	3,190.90	3/4	2,828.51	3/4	2,466.26	3/4	2,103.74
11	11	11	11	11	4,954.52	11	4,622.12	11	4,270.43	11	3,908.13	11	3,545.74	11	3,183.35	11	2,820.96	11	2,458.71	11	2,096.18
1/4	1/4	1/4	1/4	1/4	4,947.78	1/4	4,614.98	1/4	4,262.91	1/4	3,900.58	1/4	3,538.19	1/4	3,175.80	1/4	2,813.41	1/4	2,451.16	1/4	2,088.63
1/2	1/2	1/2	1/2	1/2	4,941.05	1/2	4,607.84	1/2	4,255.38	1/2	3,893.03	1/2	3,530.64	1/2	3,168.25	1/2	2,805.86	1/2	2,443.60	1/2	2,081.08
3/4	3/4	3/4	3/4	3/4	4,934.31	3/4	4,600.69	3/4	4,247.85	3/4	3,885.48	3/4	3,523.09	3/4	3,160.70	3/4	2,798.31	3/4	2,436.05	3/4	2,073.53

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 TO THE TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29053"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	2,058.42	1/4	1,695.90	1/4	1,333.37	1/4	972.79	1/4	610.72	1/4	251.53	1/4		1/4		1/4		1/4		1/4	
1/2	2,050.87	1/2	1,688.34	1/2	1,325.82	1/2	965.29	1/2	603.17	1/2	244.13	1/2		1/2		1/2		1/2		1/2	
3/4	2,043.32	3/4	1,680.79	3/4	1,318.27	3/4	957.79	3/4	595.62	3/4	236.59	3/4		3/4		3/4		3/4		3/4	
1	2,035.76	1	1,673.24	1	1,310.71	1	950.29	1	588.06	1	229.02	1		1		1		1		1	
1/4	2,028.21	1/4	1,665.69	1/4	1,303.16	1/4	942.78	1/4	580.51	1/4	221.49	1/4		1/4		1/4		1/4		1/4	
1/2	2,020.66	1/2	1,658.13	1/2	1,295.61	1/2	935.28	1/2	572.96	1/2	214.51	1/2		1/2		1/2		1/2		1/2	
3/4	2,013.11	3/4	1,650.58	3/4	1,288.06	3/4	927.78	3/4	565.41	3/4	207.10	3/4		3/4		3/4		3/4		3/4	
2	2,005.55	2	1,643.03	2	1,280.51	2	920.26	2	557.85	2	199.68	2		2		2		2		2	
1/4	1,998.00	1/4	1,635.48	1/4	1,272.96	1/4	912.74	1/4	550.30	1/4	192.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,990.45	1/2	1,627.92	1/2	1,265.41	1/2	905.23	1/2	542.75	1/2	184.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,982.90	3/4	1,620.37	3/4	1,257.87	3/4	897.71	3/4	535.20	3/4	177.42	3/4		3/4		3/4		3/4		3/4	
3	1,975.34	3	1,612.82	3	1,250.35	3	890.16	3	527.65	3	169.88	3		3		3		3		3	
1/4	1,967.79	1/4	1,605.27	1/4	1,242.84	1/4	882.60	1/4	520.09	1/4	162.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,960.24	1/2	1,597.71	1/2	1,235.33	1/2	875.05	1/2	512.54	1/2	154.80	1/2		1/2		1/2		1/2		1/2	
3/4	1,952.68	3/4	1,590.16	3/4	1,227.82	3/4	867.50	3/4	504.99	3/4	147.27	3/4		3/4		3/4		3/4		3/4	
4	1,945.13	4	1,582.61	4	1,220.32	4	859.95	4	497.44	4	139.73	4		4		4		4		4	
1/4	1,937.58	1/4	1,575.05	1/4	1,212.81	1/4	852.39	1/4	489.88	1/4	132.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,930.03	1/2	1,567.50	1/2	1,205.31	1/2	844.84	1/2	482.33	1/2	124.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,922.47	3/4	1,559.95	3/4	1,197.81	3/4	837.29	3/4	474.78	3/4	117.12	3/4		3/4		3/4		3/4		3/4	
5	1,914.92	5	1,552.40	5	1,190.31	5	829.74	5	467.23	5	109.66	5		5		5		5		5	
1/4	1,907.37	1/4	1,544.84	1/4	1,182.81	1/4	822.19	1/4	459.68	1/4	102.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,899.82	1/2	1,537.29	1/2	1,175.31	1/2	814.63	1/2	452.12	1/2	94.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,892.26	3/4	1,529.74	3/4	1,167.81	3/4	807.08	3/4	444.57	3/4	87.28	3/4		3/4		3/4		3/4		3/4	
6	1,884.71	6	1,522.19	6	1,160.31	6	799.53	6	437.04	6	80.53	6		6		6		6		6	
1/4	1,877.16	1/4	1,514.63	1/4	1,152.81	1/4	791.98	1/4	429.50	1/4	73.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,869.61	1/2	1,507.08	1/2	1,145.31	1/2	784.42	1/2	421.97	1/2	67.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,862.05	3/4	1,499.53	3/4	1,137.81	3/4	776.87	3/4	414.43	3/4	60.28	3/4		3/4		3/4		3/4		3/4	
7	1,854.50	7	1,491.98	7	1,130.31	7	769.32	7	407.03	7	54.79	7		7		7		7		7	
1/4	1,846.95	1/4	1,484.42	1/4	1,122.81	1/4	761.77	1/4	399.63	1/4	49.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,839.40	1/2	1,476.87	1/2	1,115.30	1/2	754.21	1/2	392.22	1/2	43.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,831.84	3/4	1,469.32	3/4	1,107.80	3/4	746.66	3/4	384.82	3/4	38.31	3/4		3/4		3/4		3/4		3/4	
8	1,824.29	8	1,461.77	8	1,100.30	8	739.11	8	377.41	8	34.08	8		8		8		8		8	
1/4	1,816.74	1/4	1,454.21	1/4	1,092.80	1/4	731.56	1/4	370.01	1/4	29.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,809.19	1/2	1,446.66	1/2	1,085.30	1/2	724.01	1/2	362.60	1/2	25.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,801.63	3/4	1,439.11	3/4	1,077.80	3/4	716.45	3/4	355.20	3/4	21.38	3/4		3/4		3/4		3/4		3/4	
9	1,794.08	9	1,431.56	9	1,070.30	9	708.90	9	347.79	9		9		9		9		9		9	
1/4	1,786.53	1/4	1,424.00	1/4	1,062.80	1/4	701.35	1/4	340.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,778.98	1/2	1,416.45	1/2	1,055.30	1/2	693.80	1/2	332.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,771.42	3/4	1,408.90	3/4	1,047.80	3/4	686.24	3/4	325.58	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,763.87	10	1,401.35	10	1,040.30	10	678.69	10	318.17	10		10		10		10		10		10	
1/4	1,756.32	1/4	1,393.79	1/4	1,032.80	1/4	671.14	1/4	310.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,748.76	1/2	1,386.24	1/2	1,025.29	1/2	663.59	1/2	303.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,741.21	3/4	1,378.69	3/4	1,017.79	3/4	656.03	3/4	295.96	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,733.66	11	1,371.13	11	1,010.29	11	648.48	11	288.55	11		11		11		11		11		11	
1/4	1,726.11	1/4	1,363.58	1/4	1,002.79	1/4	640.93	1/4	281.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,718.55	1/2	1,356.03	1/2	995.29	1/2	633.38	1/2	273.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,711.00	3/4	1,348.48	3/4	987.79	3/4	625.83	3/4	266.34	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2014 SW
CALCULATED: 06/12/2014 CL
PRINTED: 06/12/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CTC 29053"

2 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	5,217.92	0	4,882.80	0	4,547.63	0	4,193.56	0	3,832.12	0	3,470.69	0	3,109.25	0	2,747.82	0	2,386.29		
1/4		1/4	5,212.81	1/4	4,876.02	1/4	4,540.44	1/4	4,186.03	1/4	3,824.59	1/4	3,463.16	1/4	3,101.72	1/4	2,740.29	1/4	2,378.76		
1/2		1/2	5,207.71	1/2	4,869.24	1/2	4,533.25	1/2	4,178.50	1/2	3,817.06	1/2	3,455.63	1/2	3,094.19	1/2	2,732.76	1/2	2,371.23		
3/4		3/4	5,201.40	3/4	4,862.43	3/4	4,526.03	3/4	4,170.97	3/4	3,809.53	3/4	3,448.10	3/4	3,086.66	3/4	2,725.23	3/4	2,363.69		
1		1	5,195.08	1	4,855.62	1	4,518.81	1	4,163.44	1	3,802.01	1	3,440.57	1	3,079.13	1	2,717.70	1	2,356.16		
1/4		1/4	5,188.77	1/4	4,848.81	1/4	4,511.58	1/4	4,155.91	1/4	3,794.48	1/4	3,433.04	1/4	3,071.60	1/4	2,710.17	1/4	2,348.63		
1/2		1/2	5,182.46	1/2	4,842.00	1/2	4,504.36	1/2	4,148.38	1/2	3,786.95	1/2	3,425.51	1/2	3,064.07	1/2	2,702.64	1/2	2,341.10		
3/4		3/4	5,175.16	3/4	4,835.16	3/4	4,497.11	3/4	4,140.85	3/4	3,779.42	3/4	3,417.98	3/4	3,056.54	3/4	2,695.11	3/4	2,333.56		
2		2	5,167.87	2	4,828.32	2	4,489.86	2	4,133.32	2	3,771.89	2	3,410.45	2	3,049.02	2	2,687.58	2	2,326.03		
1/4		1/4	5,160.57	1/4	4,821.48	1/4	4,482.60	1/4	4,125.79	1/4	3,764.36	1/4	3,402.92	1/4	3,041.49	1/4	2,680.05	1/4	2,318.50		
1/2		1/2	5,153.28	1/2	4,814.64	1/2	4,475.35	1/2	4,118.26	1/2	3,756.83	1/2	3,395.39	1/2	3,033.96	1/2	2,672.52	1/2	2,310.97		
3/4		3/4	5,145.85	3/4	4,807.77	3/4	4,468.07	3/4	4,110.73	3/4	3,749.30	3/4	3,387.86	3/4	3,026.43	3/4	2,664.99	3/4	2,303.43		
3		3	5,138.42	3	4,800.89	3	4,460.79	3	4,103.20	3	3,741.77	3	3,380.33	3	3,018.90	3	2,657.46	3	2,295.90		
1/4		1/4	5,130.98	1/4	4,794.02	1/4	4,453.51	1/4	4,095.67	1/4	3,734.24	1/4	3,372.80	1/4	3,011.37	1/4	2,649.93	1/4	2,288.37		
1/2		1/2	5,123.55	1/2	4,787.14	1/2	4,446.22	1/2	4,088.14	1/2	3,726.71	1/2	3,365.27	1/2	3,003.84	1/2	2,642.40	1/2	2,280.84		
3/4		3/4	5,116.12	3/4	4,780.24	3/4	4,438.91	3/4	4,080.61	3/4	3,719.18	3/4	3,357.74	3/4	2,996.31	3/4	2,634.87	3/4	2,273.30		
4		4	5,108.69	4	4,773.33	4	4,431.59	4	4,073.08	4	3,711.65	4	3,350.21	4	2,988.78	4	2,627.34	4	2,265.77		
1/4		1/4	5,101.26	1/4	4,766.42	1/4	4,424.27	1/4	4,065.55	1/4	3,704.12	1/4	3,342.68	1/4	2,981.25	1/4	2,619.80	1/4	2,258.24		
1/2		1/2	5,093.83	1/2	4,759.51	1/2	4,416.96	1/2	4,058.02	1/2	3,696.59	1/2	3,335.15	1/2	2,973.72	1/2	2,612.27	1/2	2,250.71		
3/4		3/4	5,086.39	3/4	4,752.58	3/4	4,409.61	3/4	4,050.49	3/4	3,689.06	3/4	3,327.62	3/4	2,966.19	3/4	2,604.74	3/4	2,243.17		
5		5	5,078.96	5	4,745.64	5	4,402.26	5	4,042.96	5	3,681.53	5	3,320.09	5	2,958.66	5	2,597.20	5	2,235.64		
1/4		1/4	5,071.53	1/4	4,738.70	1/4	4,394.91	1/4	4,035.43	1/4	3,674.00	1/4	3,312.56	1/4	2,951.13	1/4	2,589.67	1/4	2,228.11		
1/2		1/2	5,064.10	1/2	4,731.76	1/2	4,387.56	1/2	4,027.90	1/2	3,666.47	1/2	3,305.03	1/2	2,943.60	1/2	2,582.14	1/2	2,220.57		
3/4		3/4	5,056.67	3/4	4,724.79	3/4	4,380.18	3/4	4,020.37	3/4	3,658.94	3/4	3,297.50	3/4	2,936.07	3/4	2,574.61	3/4	2,213.04		
6		6	5,049.24	6	4,717.82	6	4,372.80	6	4,012.84	6	3,651.41	6	3,289.97	6	2,928.54	6	2,567.07	6	2,205.51		
1/4		1/4	5,041.80	1/4	4,710.85	1/4	4,365.42	1/4	4,005.31	1/4	3,643.88	1/4	3,282.44	1/4	2,921.01	1/4	2,559.54	1/4	2,197.98		
1/2		1/2	5,034.37	1/2	4,703.88	1/2	4,358.04	1/2	3,997.78	1/2	3,636.35	1/2	3,274.91	1/2	2,913.48	1/2	2,552.01	1/2	2,190.44		
3/4		3/4	5,026.99	3/4	4,696.85	3/4	4,350.63	3/4	3,990.25	3/4	3,628.82	3/4	3,267.38	3/4	2,905.95	3/4	2,544.48	3/4	2,182.91		
7		7	5,019.61	7	4,689.82	7	4,343.22	7	3,982.72	7	3,621.29	7	3,259.85	7	2,898.42	7	2,536.94	7	2,175.38		
1/4		1/4	5,012.23	1/4	4,682.79	1/4	4,335.81	1/4	3,975.19	1/4	3,613.76	1/4	3,252.32	1/4	2,890.89	1/4	2,529.41	1/4	2,167.85		
1/2		1/2	5,004.86	1/2	4,675.76	1/2	4,328.40	1/2	3,967.66	1/2	3,606.23	1/2	3,244.79	1/2	2,883.36	1/2	2,521.88	1/2	2,160.31		
3/4		3/4	4,997.88	3/4	4,668.69	3/4	4,320.96	3/4	3,960.13	3/4	3,598.70	3/4	3,237.26	3/4	2,875.83	3/4	2,514.35	3/4	2,152.78		
8		8	4,990.91	8	4,661.63	8	4,313.52	8	3,952.60	8	3,591.17	8	3,229.73	8	2,868.30	8	2,506.81	8	2,145.25		
1/4		1/4	4,983.94	1/4	4,654.56	1/4	4,306.08	1/4	3,945.07	1/4	3,583.64	1/4	3,222.20	1/4	2,860.77	1/4	2,499.28	1/4	2,137.72		
1/2		1/2	4,976.97	1/2	4,647.50	1/2	4,298.64	1/2	3,937.54	1/2	3,576.11	1/2	3,214.67	1/2	2,853.24	1/2	2,491.75	1/2	2,130.18		
3/4		3/4	4,970.29	3/4	4,640.40	3/4	4,291.16	3/4	3,930.01	3/4	3,568.58	3/4	3,207.14	3/4	2,845.71	3/4	2,484.22	3/4	2,122.65		
9		9	4,963.60	9	4,633.31	9	4,283.69	9	3,922.48	9	3,561.05	9	3,199.61	9	2,838.18	9	2,476.68	9	2,115.12		
1/4		1/4	4,956.92	1/4	4,626.22	1/4	4,276.22	1/4	3,914.95	1/4	3,553.52	1/4	3,192.08	1/4	2,830.65	1/4	2,469.15	1/4	2,107.59		
1/2		1/2	4,950.23	1/2	4,619.12	1/2	4,268.74	1/2	3,907.42	1/2	3,545.99	1/2	3,184.55	1/2	2,823.12	1/2	2,461.62	1/2	2,100.05		
3/4		3/4	4,943.51	3/4	4,612.00	3/4	4,261.23	3/4	3,899.89	3/4	3,538.46	3/4	3,177.02	3/4	2,815.59	3/4	2,454.09	3/4	2,092.52		
10		10	4,936.79	10	4,604.87	10	4,253.73	10	3,892.36	10	3,530.93	10	3,169.49	10	2,808.06	10	2,446.55	10	2,084.99		
1/4		1/4	4,930.08	1/4	4,597.75	1/4	4,246.22	1/4	3,884.83	1/4	3,523.40	1/4	3,161.96	1/4	2,800.53	1/4	2,439.02	1/4	2,077.46		
1/2		1/2	4,923.36	1/2	4,590.62	1/2	4,238.72	1/2	3,877.30	1/2	3,515.87	1/2	3,154.43	1/2	2,793.00	1/2	2,431.49	1/2	2,069.92		
3/4		3/4	4,916.61	3/4	4,583.47	3/4	4,231.19	3/4	3,869.77	3/4	3,508.34	3/4	3,146.90	3/4	2,785.47	3/4	2,423.96	3/4	2,062.39		
11		11	4,909.86	11	4,576.31	11	4,223.67	11	3,862.24	11	3,500.81	11	3,139.37	11	2,777.94	11	2,416.42	11	2,054.86		
1/4		1/4	4,903.11	1/4	4,569.16	1/4	4,216.14	1/4	3,854.71	1/4	3,493.28	1/4	3,131.84	1/4	2,770.41	1/4	2,408.89	1/4	2,047.33		
1/2		1/2	5,228.12	1/2	4,896.36	1/2	4,562.00	1/2	4,208.62	1/2	3,847.18	1/2	3,485.75	1/2	3,124.31	1/2	2,762.88	1/2	2,401.36	1/2	2,039.79
3/4		3/4	5,223.02	3/4	4,889.58	3/4	4,554.82	3/4	4,201.09	3/4	3,839.65	3/4	3,478.22	3/4	3,116.78	3/4	2,755.35	3/4	2,393.82	3/4	2,032.26

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 TO THE TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29053"

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.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,024.73		1,663.16		1,301.60		940.50		578.97		221.33										
1/4	2,017.19	1/4	1,655.63	1/4	1,294.07	1/4	932.98	1/4	571.43	1/4	213.94	1/4		1/4		1/4		1/4		1/4	
1/2	2,009.66	1/2	1,648.10	1/2	1,286.53	1/2	925.45	1/2	563.90	1/2	206.56	1/2		1/2		1/2		1/2		1/2	
3/4	2,002.13	3/4	1,640.56	3/4	1,279.00	3/4	917.92	3/4	556.37	3/4	199.16	3/4		3/4		3/4		3/4		3/4	
1	1,994.60	1	1,633.03	1	1,271.47	1	910.39	1	548.84	1	191.75	1		1		1		1		1	
1/4	1,987.06	1/4	1,625.50	1/4	1,263.93	1/4	902.86	1/4	541.31	1/4	184.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,979.53	1/2	1,617.97	1/2	1,256.40	1/2	895.32	1/2	533.77	1/2	176.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,972.00	3/4	1,610.43	3/4	1,248.87	3/4	887.79	3/4	526.24	3/4	169.43	3/4		3/4		3/4		3/4		3/4	
2	1,964.47	2	1,602.90	2	1,241.34	2	880.26	2	518.71	2	161.92	2		2		2		2		2	
1/4	1,956.93	1/4	1,595.37	1/4	1,233.81	1/4	872.73	1/4	511.18	1/4	154.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,949.40	1/2	1,587.84	1/2	1,226.28	1/2	865.19	1/2	503.64	1/2	146.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,941.87	3/4	1,580.30	3/4	1,218.76	3/4	857.66	3/4	496.11	3/4	139.36	3/4		3/4		3/4		3/4		3/4	
3	1,934.34	3	1,572.77	3	1,211.24	3	850.13	3	488.58	3	131.85	3		3		3		3		3	
1/4	1,926.80	1/4	1,565.24	1/4	1,203.72	1/4	842.60	1/4	481.05	1/4	124.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,919.27	1/2	1,557.71	1/2	1,196.20	1/2	835.07	1/2	473.51	1/2	116.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,911.74	3/4	1,550.17	3/4	1,188.68	3/4	827.53	3/4	465.98	3/4	109.37	3/4		3/4		3/4		3/4		3/4	
4	1,904.21	4	1,542.64	4	1,181.16	4	820.00	4	458.45	4	101.93	4		4		4		4		4	
1/4	1,896.67	1/4	1,535.11	1/4	1,173.64	1/4	812.47	1/4	450.92	1/4	94.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,889.14	1/2	1,527.58	1/2	1,166.11	1/2	804.94	1/2	443.39	1/2	87.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,881.61	3/4	1,520.04	3/4	1,158.59	3/4	797.40	3/4	435.87	3/4	80.32	3/4		3/4		3/4		3/4		3/4	
5	1,874.08	5	1,512.51	5	1,151.07	5	789.87	5	428.36	5	73.59	5		5		5		5		5	
1/4	1,866.54	1/4	1,504.98	1/4	1,143.55	1/4	782.34	1/4	420.84	1/4	66.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,859.01	1/2	1,497.45	1/2	1,136.03	1/2	774.81	1/2	413.33	1/2	60.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,851.48	3/4	1,489.91	3/4	1,128.51	3/4	767.27	3/4	405.94	3/4	54.65	3/4		3/4		3/4		3/4		3/4	
6	1,843.94	6	1,482.38	6	1,120.99	6	759.74	6	398.56	6	49.17	6		6		6		6		6	
1/4	1,836.41	1/4	1,474.85	1/4	1,113.47	1/4	752.21	1/4	391.17	1/4	43.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,828.88	1/2	1,467.31	1/2	1,105.95	1/2	744.68	1/2	383.79	1/2	38.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,821.35	3/4	1,459.78	3/4	1,098.43	3/4	737.15	3/4	376.40	3/4	33.99	3/4		3/4		3/4		3/4		3/4	
7	1,813.81	7	1,452.25	7	1,090.91	7	729.61	7	369.02	7	29.77	7		7		7		7		7	
1/4	1,806.28	1/4	1,444.72	1/4	1,083.39	1/4	722.08	1/4	361.64	1/4	25.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,798.75	1/2	1,437.18	1/2	1,075.87	1/2	714.55	1/2	354.25	1/2	21.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,791.22	3/4	1,429.65	3/4	1,068.35	3/4	707.02	3/4	346.87	3/4		3/4		3/4		3/4		3/4		3/4	
8	1,783.68	8	1,422.12	8	1,060.83	8	699.48	8	339.48	8		8		8		8		8		8	
1/4	1,776.15	1/4	1,414.59	1/4	1,053.31	1/4	691.95	1/4	332.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,768.62	1/2	1,407.05	1/2	1,045.79	1/2	684.42	1/2	324.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,761.09	3/4	1,399.52	3/4	1,038.27	3/4	676.89	3/4	317.33	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,753.55	9	1,391.99	9	1,030.75	9	669.35	9	309.94	9		9		9		9		9		9	
1/4	1,746.02	1/4	1,384.46	1/4	1,023.23	1/4	661.82	1/4	302.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,738.49	1/2	1,376.92	1/2	1,015.71	1/2	654.29	1/2	295.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,730.96	3/4	1,369.39	3/4	1,008.19	3/4	646.76	3/4	287.79	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,723.42	10	1,361.86	10	1,000.67	10	639.23	10	280.40	10		10		10		10		10		10	
1/4	1,715.89	1/4	1,354.33	1/4	993.15	1/4	631.69	1/4	273.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,708.36	1/2	1,346.79	1/2	985.63	1/2	624.16	1/2	265.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,700.83	3/4	1,339.26	3/4	978.10	3/4	616.63	3/4	258.25	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,693.29	11	1,331.73	11	970.58	11	609.10	11	250.86	11		11		11		11		11		11	
1/4	1,685.76	1/4	1,324.20	1/4	963.06	1/4	601.56	1/4	243.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,678.23	1/2	1,316.66	1/2	955.54	1/2	594.03	1/2	236.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,670.70	3/4	1,309.13	3/4	948.02	3/4	586.50	3/4	228.71	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2014 SW
CALCULATED: 06/12/2014 CL
PRINTED: 06/12/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

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



BARGE "CTC 29053"

2 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		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0	5,200.35	0	4,865.23	0	4,530.04	0	4,175.97	0	3,814.54	0	3,453.10	0	3,091.67	0	2,730.50	0	2,370.42		
1/4		1/4	5,195.24	1/4	4,858.45	1/4	4,522.86	1/4	4,168.44	1/4	3,807.01	1/4	3,445.57	1/4	3,084.14	1/4	2,723.08	1/4	2,362.89		
1/2		1/2	5,190.14	1/2	4,851.67	1/2	4,515.67	1/2	4,160.91	1/2	3,799.48	1/2	3,438.04	1/2	3,076.61	1/2	2,715.65	1/2	2,355.36		
3/4		3/4	5,183.83	3/4	4,844.86	3/4	4,508.44	3/4	4,153.38	3/4	3,791.95	3/4	3,430.51	3/4	3,069.08	3/4	2,708.23	3/4	2,347.82		
1		1	5,177.51	1	4,838.05	1	4,501.22	1	4,145.85	1	3,784.42	1	3,422.98	1	3,061.55	1	2,700.80	1	2,340.29		
1/4		1/4	5,171.20	1/4	4,831.24	1/4	4,494.00	1/4	4,138.32	1/4	3,776.89	1/4	3,415.45	1/4	3,054.02	1/4	2,693.38	1/4	2,332.76		
1/2		1/2	5,164.89	1/2	4,824.43	1/2	4,486.78	1/2	4,130.79	1/2	3,769.36	1/2	3,407.92	1/2	3,046.49	1/2	2,685.96	1/2	2,325.23		
3/4		3/4	5,157.59	3/4	4,817.59	3/4	4,479.53	3/4	4,123.26	3/4	3,761.83	3/4	3,400.39	3/4	3,038.96	3/4	2,678.53	3/4	2,317.69		
2		2	5,150.30	2	4,810.75	2	4,472.27	2	4,115.73	2	3,754.30	2	3,392.86	2	3,031.43	2	2,671.11	2	2,310.16		
1/4		1/4	5,143.01	1/4	4,803.91	1/4	4,465.02	1/4	4,108.20	1/4	3,746.77	1/4	3,385.33	1/4	3,023.90	1/4	2,663.69	1/4	2,302.63		
1/2		1/2	5,135.71	1/2	4,797.07	1/2	4,457.77	1/2	4,100.67	1/2	3,739.24	1/2	3,377.80	1/2	3,016.37	1/2	2,656.26	1/2	2,295.10		
3/4		3/4	5,128.28	3/4	4,790.19	3/4	4,450.49	3/4	4,093.14	3/4	3,731.71	3/4	3,370.27	3/4	3,008.84	3/4	2,648.83	3/4	2,287.56		
3		3	5,120.85	3	4,783.32	3	4,443.20	3	4,085.61	3	3,724.18	3	3,362.74	3	3,001.31	3	2,641.39	3	2,280.03		
1/4		1/4	5,113.42	1/4	4,776.44	1/4	4,435.92	1/4	4,078.08	1/4	3,716.65	1/4	3,355.21	1/4	2,993.78	1/4	2,633.95	1/4	2,272.50		
1/2		1/2	5,105.99	1/2	4,769.57	1/2	4,428.64	1/2	4,070.55	1/2	3,709.12	1/2	3,347.68	1/2	2,986.25	1/2	2,626.52	1/2	2,264.96		
3/4		3/4	5,098.55	3/4	4,762.66	3/4	4,421.32	3/4	4,063.02	3/4	3,701.59	3/4	3,340.15	3/4	2,978.72	3/4	2,618.99	3/4	2,257.43		
4		4	5,091.12	4	4,755.75	4	4,414.01	4	4,055.49	4	3,694.06	4	3,332.62	4	2,971.19	4	2,611.46	4	2,249.90		
1/4		1/4	5,083.69	1/4	4,748.84	1/4	4,406.69	1/4	4,047.97	1/4	3,686.53	1/4	3,325.09	1/4	2,963.66	1/4	2,603.93	1/4	2,242.37		
1/2		1/2	5,076.26	1/2	4,741.94	1/2	4,399.37	1/2	4,040.44	1/2	3,679.00	1/2	3,317.56	1/2	2,956.13	1/2	2,596.40	1/2	2,234.83		
3/4		3/4	5,068.83	3/4	4,735.00	3/4	4,392.02	3/4	4,032.91	3/4	3,671.47	3/4	3,310.03	3/4	2,948.60	3/4	2,588.87	3/4	2,227.30		
5		5	5,061.40	5	4,728.06	5	4,384.67	5	4,025.38	5	3,663.94	5	3,302.50	5	2,941.07	5	2,581.34	5	2,219.77		
1/4		1/4	5,053.96	1/4	4,721.12	1/4	4,377.32	1/4	4,017.85	1/4	3,656.41	1/4	3,294.98	1/4	2,933.54	1/4	2,573.81	1/4	2,212.24		
1/2		1/2	5,046.53	1/2	4,714.19	1/2	4,369.97	1/2	4,010.32	1/2	3,648.88	1/2	3,287.45	1/2	2,926.01	1/2	2,566.27	1/2	2,204.70		
3/4		3/4	5,039.10	3/4	4,707.22	3/4	4,362.59	3/4	4,002.79	3/4	3,641.35	3/4	3,279.92	3/4	2,918.48	3/4	2,558.74	3/4	2,197.17		
6		6	5,031.67	6	4,700.24	6	4,355.21	6	3,995.26	6	3,633.82	6	3,272.39	6	2,910.95	6	2,551.21	6	2,189.64		
1/4		1/4	5,024.24	1/4	4,693.27	1/4	4,347.83	1/4	3,987.73	1/4	3,626.29	1/4	3,264.86	1/4	2,903.42	1/4	2,543.67	1/4	2,182.11		
1/2		1/2	5,016.81	1/2	4,686.30	1/2	4,340.45	1/2	3,980.20	1/2	3,618.76	1/2	3,257.33	1/2	2,895.89	1/2	2,536.14	1/2	2,174.57		
3/4		3/4	5,009.43	3/4	4,679.27	3/4	4,333.04	3/4	3,972.67	3/4	3,611.23	3/4	3,249.80	3/4	2,888.36	3/4	2,528.61	3/4	2,167.04		
7		7	5,002.05	7	4,672.24	7	4,325.63	7	3,965.14	7	3,603.70	7	3,242.27	7	2,880.83	7	2,521.08	7	2,159.51		
1/4		1/4	4,994.67	1/4	4,665.21	1/4	4,318.22	1/4	3,957.61	1/4	3,596.17	1/4	3,234.74	1/4	2,873.30	1/4	2,513.54	1/4	2,151.97		
1/2		1/2	4,987.29	1/2	4,658.18	1/2	4,310.81	1/2	3,950.08	1/2	3,588.64	1/2	3,227.21	1/2	2,865.77	1/2	2,506.01	1/2	2,144.44		
3/4		3/4	4,980.32	3/4	4,651.11	3/4	4,303.37	3/4	3,942.55	3/4	3,581.11	3/4	3,219.68	3/4	2,858.24	3/4	2,498.48	3/4	2,136.91		
8		8	4,973.34	8	4,644.05	8	4,295.93	8	3,935.02	8	3,573.58	8	3,212.15	8	2,850.71	8	2,490.95	8	2,129.38		
1/4		1/4	4,966.37	1/4	4,636.98	1/4	4,288.49	1/4	3,927.49	1/4	3,566.05	1/4	3,204.62	1/4	2,843.18	1/4	2,483.41	1/4	2,121.84		
1/2		1/2	4,959.40	1/2	4,629.92	1/2	4,281.05	1/2	3,919.96	1/2	3,558.52	1/2	3,197.09	1/2	2,835.65	1/2	2,475.88	1/2	2,114.31		
3/4		3/4	4,952.72	3/4	4,622.82	3/4	4,273.58	3/4	3,912.43	3/4	3,550.99	3/4	3,189.56	3/4	2,828.12	3/4	2,468.35	3/4	2,106.78		
9		9	4,946.03	9	4,615.73	9	4,266.10	9	3,904.90	9	3,543.46	9	3,182.03	9	2,820.59	9	2,460.81	9	2,099.25		
1/4		1/4	4,939.35	1/4	4,608.63	1/4	4,258.63	1/4	3,897.37	1/4	3,535.93	1/4	3,174.50	1/4	2,813.06	1/4	2,453.28	1/4	2,091.71		
1/2		1/2	4,932.66	1/2	4,601.54	1/2	4,251.16	1/2	3,889.84	1/2	3,528.40	1/2	3,166.97	1/2	2,805.53	1/2	2,445.75	1/2	2,084.18		
3/4		3/4	4,925.94	3/4	4,594.42	3/4	4,243.65	3/4	3,882.31	3/4	3,520.87	3/4	3,159.44	3/4	2,798.00	3/4	2,438.22	3/4	2,076.65		
10		10	4,919.22	10	4,587.29	10	4,236.14	10	3,874.78	10	3,513.34	10	3,151.91	10	2,790.47	10	2,430.68	10	2,069.11		
1/4		1/4	4,912.51	1/4	4,580.17	1/4	4,228.64	1/4	3,867.25	1/4	3,505.81	1/4	3,144.38	1/4	2,782.94	1/4	2,423.15	1/4	2,061.58		
1/2		1/2	4,905.79	1/2	4,573.04	1/2	4,221.13	1/2	3,859.72	1/2	3,498.28	1/2	3,136.85	1/2	2,775.41	1/2	2,415.62	1/2	2,054.05		
3/4		3/4	4,899.04	3/4	4,565.89	3/4	4,213.61	3/4	3,852.19	3/4	3,490.75	3/4	3,129.32	3/4	2,767.90	3/4	2,408.09	3/4	2,046.52		
11		11	4,892.29	11	4,558.73	11	4,206.08	11	3,844.66	11	3,483.22	11	3,121.79	11	2,760.38	11	2,400.55	11	2,038.98		
1/4		1/4	4,885.54	1/4	4,551.58	1/4	4,198.56	1/4	3,837.13	1/4	3,475.69	1/4	3,114.26	1/4	2,752.86	1/4	2,393.02	1/4	2,031.45		
1/2		1/2	5,210.55	1/2	4,878.79	1/2	4,544.42	1/2	4,191.03	1/2	3,829.60	1/2	3,468.16	1/2	3,106.73	1/2	2,745.35	1/2	2,385.49	1/2	2,023.92
3/4		3/4	5,205.45	3/4	4,872.01	3/4	4,537.23	3/4	4,183.50	3/4	3,822.07	3/4	3,460.63	3/4	3,099.20	3/4	2,737.92	3/4	2,377.96	3/4	2,016.39

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 TO THE TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29053"

2 STBD 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	2,008.85	0	1,647.28	0	1,285.71	0	938.68	0	578.97	0	221.32	0		0		0		0	
1/4	2,001.32	1/4	1,639.75	1/4	1,278.18	1/4	931.49	1/4	571.43	1/4	213.94	1/4	1/4	1/4		1/4		1/4	
1/2	1,993.79	1/2	1,632.22	1/2	1,270.65	1/2	924.30	1/2	563.90	1/2	206.55	1/2	1/2	1/2		1/2		1/2	
3/4	1,986.25	3/4	1,624.69	3/4	1,263.16	3/4	917.05	3/4	556.37	3/4	199.15	3/4	3/4	3/4		3/4		3/4	
1	1,978.72	1	1,617.15	1	1,255.67	1	909.81	1	548.84	1	191.75	1	1	1		1		1	
1/4	1,971.19	1/4	1,609.62	1/4	1,248.17	1/4	902.57	1/4	541.30	1/4	184.35	1/4	1/4	1/4		1/4		1/4	
1/2	1,963.66	1/2	1,602.09	1/2	1,240.68	1/2	895.33	1/2	533.77	1/2	176.95	1/2	1/2	1/2		1/2		1/2	
3/4	1,956.12	3/4	1,594.55	3/4	1,233.48	3/4	887.79	3/4	526.24	3/4	169.43	3/4	3/4	3/4		3/4		3/4	
2	1,948.59	2	1,587.02	2	1,226.28	2	880.26	2	518.71	2	161.91	2	2	2		2		2	
1/4	1,941.06	1/4	1,579.49	1/4	1,219.08	1/4	872.73	1/4	511.17	1/4	154.39	1/4	1/4	1/4		1/4		1/4	
1/2	1,933.53	1/2	1,571.96	1/2	1,211.88	1/2	865.20	1/2	503.64	1/2	146.88	1/2	1/2	1/2		1/2		1/2	
3/4	1,925.99	3/4	1,564.42	3/4	1,204.69	3/4	857.66	3/4	496.11	3/4	139.36	3/4	3/4	3/4		3/4		3/4	
3	1,918.46	3	1,556.89	3	1,197.50	3	850.13	3	488.58	3	131.84	3	3	3		3		3	
1/4	1,910.93	1/4	1,549.36	1/4	1,190.31	1/4	842.60	1/4	481.04	1/4	124.32	1/4	1/4	1/4		1/4		1/4	
1/2	1,903.40	1/2	1,541.83	1/2	1,183.12	1/2	835.07	1/2	473.51	1/2	116.81	1/2	1/2	1/2		1/2		1/2	
3/4	1,895.86	3/4	1,534.29	3/4	1,175.93	3/4	827.54	3/4	465.98	3/4	109.37	3/4	3/4	3/4		3/4		3/4	
4	1,888.33	4	1,526.76	4	1,168.74	4	820.00	4	458.45	4	101.93	4	4	4		4		4	
1/4	1,880.80	1/4	1,519.23	1/4	1,161.56	1/4	812.47	1/4	450.92	1/4	94.49	1/4	1/4	1/4		1/4		1/4	
1/2	1,873.26	1/2	1,511.69	1/2	1,154.37	1/2	804.94	1/2	443.38	1/2	87.05	1/2	1/2	1/2		1/2		1/2	
3/4	1,865.73	3/4	1,504.16	3/4	1,147.18	3/4	797.41	3/4	435.87	3/4	80.32	3/4	3/4	3/4		3/4		3/4	
5	1,858.20	5	1,496.63	5	1,139.99	5	789.87	5	428.36	5	73.58	5	5	5		5		5	
1/4	1,850.67	1/4	1,489.10	1/4	1,132.80	1/4	782.34	1/4	420.84	1/4	66.85	1/4	1/4	1/4		1/4		1/4	
1/2	1,843.13	1/2	1,481.56	1/2	1,125.61	1/2	774.81	1/2	413.33	1/2	60.12	1/2	1/2	1/2		1/2		1/2	
3/4	1,835.60	3/4	1,474.03	3/4	1,118.42	3/4	767.28	3/4	405.94	3/4	54.64	3/4	3/4	3/4		3/4		3/4	
6	1,828.07	6	1,466.50	6	1,111.23	6	759.74	6	398.56	6	49.16	6	6	6		6		6	
1/4	1,820.54	1/4	1,458.97	1/4	1,104.04	1/4	752.21	1/4	391.17	1/4	43.69	1/4	1/4	1/4		1/4		1/4	
1/2	1,813.00	1/2	1,451.43	1/2	1,096.85	1/2	744.68	1/2	383.79	1/2	38.21	1/2	1/2	1/2		1/2		1/2	
3/4	1,805.47	3/4	1,443.90	3/4	1,089.66	3/4	737.15	3/4	376.40	3/4	33.99	3/4	3/4	3/4		3/4		3/4	
7	1,797.94	7	1,436.37	7	1,082.47	7	729.61	7	369.02	7	29.77	7	7	7		7		7	
1/4	1,790.40	1/4	1,428.84	1/4	1,075.28	1/4	722.08	1/4	361.63	1/4	25.54	1/4	1/4	1/4		1/4		1/4	
1/2	1,782.87	1/2	1,421.30	1/2	1,068.09	1/2	714.55	1/2	354.25	1/2	21.33	1/2	1/2	1/2		1/2		1/2	
3/4	1,775.34	3/4	1,413.77	3/4	1,060.90	3/4	707.02	3/4	346.87	3/4	17.12	3/4	3/4	3/4		3/4		3/4	
8	1,767.81	8	1,406.24	8	1,053.71	8	699.48	8	339.48	8	12.91	8	8	8		8		8	
1/4	1,760.27	1/4	1,398.70	1/4	1,046.52	1/4	691.95	1/4	332.10	1/4	8.70	1/4	1/4	1/4		1/4		1/4	
1/2	1,752.74	1/2	1,391.17	1/2	1,039.33	1/2	684.42	1/2	324.71	1/2	4.49	1/2	1/2	1/2		1/2		1/2	
3/4	1,745.21	3/4	1,383.64	3/4	1,032.14	3/4	676.89	3/4	317.33	3/4	0.28	3/4	3/4	3/4		3/4		3/4	
9	1,737.68	9	1,376.11	9	1,024.95	9	669.35	9	309.94	9	0.07	9	9	9		9		9	
1/4	1,730.14	1/4	1,368.57	1/4	1,017.77	1/4	661.82	1/4	302.56	1/4	0.00	1/4	1/4	1/4		1/4		1/4	
1/2	1,722.61	1/2	1,361.04	1/2	1,010.58	1/2	654.29	1/2	295.17	1/2	0.00	1/2	1/2	1/2		1/2		1/2	
3/4	1,715.08	3/4	1,353.51	3/4	1,003.39	3/4	646.76	3/4	287.79	3/4	0.00	3/4	3/4	3/4		3/4		3/4	
10	1,707.54	10	1,345.98	10	996.20	10	639.23	10	280.40	10	0.00	10	10	10		10		10	
1/4	1,700.01	1/4	1,338.44	1/4	989.01	1/4	631.69	1/4	273.02	1/4	0.00	1/4	1/4	1/4		1/4		1/4	
1/2	1,692.48	1/2	1,330.91	1/2	981.82	1/2	624.16	1/2	265.63	1/2	0.00	1/2	1/2	1/2		1/2		1/2	
3/4	1,684.95	3/4	1,323.38	3/4	974.63	3/4	616.63	3/4	258.25	3/4	0.00	3/4	3/4	3/4		3/4		3/4	
11	1,677.41	11	1,315.84	11	967.44	11	609.10	11	250.86	11	0.00	11	11	11		11		11	
1/4	1,669.88	1/4	1,308.31	1/4	960.25	1/4	601.56	1/4	243.48	1/4	0.00	1/4	1/4	1/4		1/4		1/4	
1/2	1,662.35	1/2	1,300.78	1/2	953.06	1/2	594.03	1/2	236.09	1/2	0.00	1/2	1/2	1/2		1/2		1/2	
3/4	1,654.82	3/4	1,293.25	3/4	945.87	3/4	586.50	3/4	228.71	3/4	0.00	3/4	3/4	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2014 SW
CALCULATED: 06/12/2014 CL
PRINTED: 06/12/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

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



BARGE "CTC 29053"

3 PORT ULLAGE 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	0		4,389.37		4,223.41		4,056.20		3,870.44		3,676.66		3,467.47		3,109.50		2,750.27		2,390.46
1/4	1/4	1/4	4,387.72	1/4	4,220.11	1/4	4,052.50	1/4	3,866.40	1/4	3,672.63	1/4	3,460.01	1/4	3,102.01	1/4	2,742.78	1/4	2,382.97
1/2	1/2	1/2	4,386.06	1/2	4,216.81	1/2	4,048.81	1/2	3,862.36	1/2	3,668.59	1/2	3,452.54	1/2	3,094.53	1/2	2,735.28	1/2	2,375.47
3/4	3/4	3/4	4,384.41	3/4	4,213.50	3/4	4,045.11	3/4	3,858.33	3/4	3,664.55	3/4	3,445.08	3/4	3,087.05	3/4	2,727.79	3/4	2,367.97
1	1	1	4,382.75	1	4,210.20	1	4,041.41	1	3,854.29	1	3,660.52	1	3,437.62	1	3,079.57	1	2,720.29	1	2,360.48
1/4	1/4	1/4	4,379.88	1/4	4,206.86	1/4	4,037.68	1/4	3,850.25	1/4	3,656.48	1/4	3,430.15	1/4	3,072.08	1/4	2,712.80	1/4	2,352.98
1/2	1/2	1/2	4,377.01	1/2	4,203.53	1/2	4,033.95	1/2	3,846.21	1/2	3,652.44	1/2	3,422.69	1/2	3,064.60	1/2	2,705.30	1/2	2,345.48
3/4	3/4	3/4	4,374.14	3/4	4,200.19	3/4	4,030.22	3/4	3,842.18	3/4	3,648.41	3/4	3,415.23	3/4	3,057.12	3/4	2,697.81	3/4	2,337.99
2	2	2	4,371.27	2	4,196.86	2	4,026.49	2	3,838.14	2	3,644.37	2	3,407.76	2	3,049.64	2	2,690.31	2	2,330.49
1/4	1/4	1/4	4,367.42	1/4	4,193.49	1/4	4,022.73	1/4	3,834.10	1/4	3,640.33	1/4	3,400.30	1/4	3,042.15	1/4	2,682.82	1/4	2,322.99
1/2	1/2	1/2	4,363.57	1/2	4,190.13	1/2	4,018.97	1/2	3,830.07	1/2	3,636.30	1/2	3,392.83	1/2	3,034.67	1/2	2,675.32	1/2	2,315.50
3/4	3/4	3/4	4,359.72	3/4	4,186.76	3/4	4,015.21	3/4	3,826.03	3/4	3,632.26	3/4	3,385.37	3/4	3,027.19	3/4	2,667.82	3/4	2,308.00
3	3	3	4,355.87	3	4,183.40	3	4,011.45	3	3,821.99	3	3,628.22	3	3,377.91	3	3,019.71	3	2,660.33	3	2,300.50
1/4	1/4	1/4	4,351.88	1/4	4,180.00	1/4	4,007.66	1/4	3,817.96	1/4	3,624.19	1/4	3,370.44	1/4	3,012.22	1/4	2,652.83	1/4	2,293.01
1/2	1/2	1/2	4,347.90	1/2	4,176.60	1/2	4,003.87	1/2	3,813.92	1/2	3,620.15	1/2	3,362.98	1/2	3,004.74	1/2	2,645.34	1/2	2,285.51
3/4	3/4	3/4	4,343.92	3/4	4,173.20	3/4	4,000.08	3/4	3,809.88	3/4	3,616.11	3/4	3,355.51	3/4	2,997.26	3/4	2,637.84	3/4	2,278.01
4	4	4	4,339.93	4	4,169.80	4	3,996.29	4	3,805.85	4	3,612.07	4	3,348.05	4	2,989.78	4	2,630.35	4	2,270.52
1/4	1/4	1/4	4,335.95	1/4	4,166.37	1/4	3,992.46	1/4	3,801.81	1/4	3,608.04	1/4	3,340.59	1/4	2,982.29	1/4	2,622.85	1/4	2,263.02
1/2	1/2	1/2	4,331.96	1/2	4,162.94	1/2	3,988.64	1/2	3,797.77	1/2	3,604.00	1/2	3,333.13	1/2	2,974.81	1/2	2,615.36	1/2	2,255.52
3/4	3/4	3/4	4,327.98	3/4	4,159.51	3/4	3,984.81	3/4	3,793.73	3/4	3,599.96	3/4	3,325.66	3/4	2,967.33	3/4	2,607.87	3/4	2,248.03
5	5	5	4,324.00	5	4,156.08	5	3,980.99	5	3,789.70	5	3,595.93	5	3,318.20	5	2,959.85	5	2,600.37	5	2,240.53
1/4	1/4	1/4	4,320.01	1/4	4,152.62	1/4	3,977.13	1/4	3,785.66	1/4	3,591.89	1/4	3,310.75	1/4	2,952.36	1/4	2,592.87	1/4	2,233.03
1/2	1/2	1/2	4,316.03	1/2	4,149.15	1/2	3,973.27	1/2	3,781.62	1/2	3,587.85	1/2	3,303.31	1/2	2,944.88	1/2	2,585.38	1/2	2,225.54
3/4	3/4	3/4	4,312.04	3/4	4,145.69	3/4	3,969.42	3/4	3,777.59	3/4	3,583.82	3/4	3,295.86	3/4	2,937.40	3/4	2,577.88	3/4	2,218.04
6	6	6	4,308.06	6	4,142.23	6	3,965.56	6	3,773.55	6	3,579.78	6	3,288.41	6	2,929.92	6	2,570.38	6	2,210.54
1/4	1/4	1/4	4,304.08	1/4	4,138.74	1/4	3,961.67	1/4	3,769.51	1/4	3,575.74	1/4	3,280.96	1/4	2,922.43	1/4	2,562.89	1/4	2,203.05
1/2	1/2	1/2	4,300.09	1/2	4,135.24	1/2	3,957.78	1/2	3,765.48	1/2	3,571.71	1/2	3,273.51	1/2	2,914.95	1/2	2,555.39	1/2	2,195.55
3/4	3/4	3/4	4,296.11	3/4	4,131.75	3/4	3,953.90	3/4	3,761.44	3/4	3,567.67	3/4	3,266.06	3/4	2,907.47	3/4	2,547.89	3/4	2,188.05
7	7	7	4,292.12	7	4,128.26	7	3,950.01	7	3,757.40	7	3,563.63	7	3,258.62	7	2,899.99	7	2,540.40	7	2,180.56
1/4	1/4	1/4	4,288.19	1/4	4,124.72	1/4	3,946.09	1/4	3,753.37	1/4	3,559.59	1/4	3,251.17	1/4	2,892.50	1/4	2,532.90	1/4	2,173.06
1/2	1/2	1/2	4,284.26	1/2	4,121.18	1/2	3,942.17	1/2	3,749.33	1/2	3,555.56	1/2	3,243.72	1/2	2,885.02	1/2	2,525.40	1/2	2,165.56
3/4	3/4	3/4	4,280.33	3/4	4,117.64	3/4	3,938.26	3/4	3,745.29	3/4	3,551.52	3/4	3,236.27	3/4	2,877.54	3/4	2,517.91	3/4	2,158.07
8	8	8	4,276.40	8	4,114.10	8	3,934.34	8	3,741.26	8	3,547.48	8	3,228.82	8	2,870.06	8	2,510.41	8	2,150.57
1/4	1/4	1/4	4,272.87	1/4	4,110.52	1/4	3,930.39	1/4	3,737.22	1/4	3,543.45	1/4	3,221.37	1/4	2,862.57	1/4	2,502.91	1/4	2,143.07
1/2	1/2	1/2	4,269.35	1/2	4,106.95	1/2	3,926.44	1/2	3,733.18	1/2	3,539.41	1/2	3,213.93	1/2	2,855.09	1/2	2,495.42	1/2	2,135.58
3/4	3/4	3/4	4,265.83	3/4	4,103.38	3/4	3,922.49	3/4	3,729.14	3/4	3,535.37	3/4	3,206.48	3/4	2,847.61	3/4	2,487.92	3/4	2,128.08
9	9	9	4,262.31	9	4,099.80	9	3,918.55	9	3,725.11	9	3,531.34	9	3,199.03	9	2,840.13	9	2,480.42	9	2,120.58
1/4	1/4	1/4	4,259.10	1/4	4,096.20	1/4	3,914.57	1/4	3,721.07	1/4	3,527.30	1/4	3,191.58	1/4	2,832.64	1/4	2,472.93	1/4	2,113.09
1/2	1/2	1/2	4,255.89	1/2	4,092.60	1/2	3,910.58	1/2	3,717.03	1/2	3,523.26	1/2	3,184.13	1/2	2,825.16	1/2	2,465.43	1/2	2,105.59
3/4	3/4	3/4	4,252.69	3/4	4,088.99	3/4	3,906.60	3/4	3,713.00	3/4	3,519.23	3/4	3,176.68	3/4	2,817.68	3/4	2,457.93	3/4	2,098.09
10	10	10	4,249.48	10	4,085.39	10	3,902.62	10	3,708.96	10	3,515.19	10	3,169.24	10	2,810.20	10	2,450.44	10	2,090.60
1/4	1/4	1/4	4,246.24	1/4	4,081.76	1/4	3,898.61	1/4	3,704.92	1/4	3,510.72	1/4	3,161.78	1/4	2,802.71	1/4	2,442.94	1/4	2,083.10
1/2	1/2	1/2	4,243.00	1/2	4,078.12	1/2	3,894.59	1/2	3,700.89	1/2	3,506.26	1/2	3,154.33	1/2	2,795.23	1/2	2,435.44	1/2	2,075.60
3/4	3/4	3/4	4,239.75	3/4	4,074.49	3/4	3,890.58	3/4	3,696.85	3/4	3,501.79	3/4	3,146.88	3/4	2,787.74	3/4	2,427.95	3/4	2,068.11
11	11	11	4,236.51	11	4,070.86	11	3,886.57	11	3,692.81	11	3,497.33	11	3,139.43	11	2,780.26	11	2,420.45	11	2,060.61
1/4	1/4	1/4	4,233.24	1/4	4,067.19	1/4	3,882.53	1/4	3,688.78	1/4	3,489.86	1/4	3,131.94	1/4	2,772.76	1/4	2,412.95	1/4	2,053.11
1/2	1/2	1/2	4,229.96	1/2	4,063.53	1/2	3,878.50	1/2	3,684.74	1/2	3,482.40	1/2	3,124.46	1/2	2,765.27	1/2	2,405.46	1/2	2,045.62
3/4	3/4	3/4	4,226.69	3/4	4,059.87	3/4	3,874.47	3/4	3,680.70	3/4	3,474.94	3/4	3,116.98	3/4	2,757.77	3/4	2,397.96	3/4	2,038.12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THE TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CTC 29053"

3 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	2,030.63	0	1,670.70	0	1,310.77	0	951.17	0	591.32	0	235.02	0		0		0		0	
1/4	2,023.13	1/4	1,663.20	1/4	1,303.28	1/4	943.68	1/4	583.82	1/4	227.67	1/4		1/4		1/4		1/4	
1/2	2,015.63	1/2	1,655.70	1/2	1,295.78	1/2	936.19	1/2	576.32	1/2	220.32	1/2		1/2		1/2		1/2	
3/4	2,008.13	3/4	1,648.21	3/4	1,288.28	3/4	928.70	3/4	568.82	3/4	212.97	3/4		3/4		3/4		3/4	
1	2,000.64	1	1,640.71	1	1,280.78	1	921.21	1	561.32	1	205.62	1		1		1		1	
1/4	1,993.14	1/4	1,633.21	1/4	1,273.28	1/4	913.72	1/4	553.82	1/4	198.25	1/4		1/4		1/4		1/4	
1/2	1,985.64	1/2	1,625.71	1/2	1,265.78	1/2	906.23	1/2	546.33	1/2	190.88	1/2		1/2		1/2		1/2	
3/4	1,978.14	3/4	1,618.21	3/4	1,258.28	3/4	898.74	3/4	538.83	3/4	183.52	3/4		3/4		3/4		3/4	
2	1,970.64	2	1,610.71	2	1,250.79	2	891.24	2	531.33	2	176.15	2		2		2		2	
1/4	1,963.14	1/4	1,603.22	1/4	1,243.29	1/4	883.75	1/4	523.83	1/4	168.66	1/4		1/4		1/4		1/4	
1/2	1,955.64	1/2	1,595.72	1/2	1,235.79	1/2	876.25	1/2	516.33	1/2	161.18	1/2		1/2		1/2		1/2	
3/4	1,948.15	3/4	1,588.22	3/4	1,228.29	3/4	868.75	3/4	508.84	3/4	153.70	3/4		3/4		3/4		3/4	
3	1,940.65	3	1,580.72	3	1,220.79	3	861.25	3	501.34	3	146.21	3		3		3		3	
1/4	1,933.15	1/4	1,573.22	1/4	1,213.30	1/4	853.75	1/4	493.84	1/4	138.73	1/4		1/4		1/4		1/4	
1/2	1,925.65	1/2	1,565.72	1/2	1,205.80	1/2	846.25	1/2	486.34	1/2	131.25	1/2		1/2		1/2		1/2	
3/4	1,918.15	3/4	1,558.22	3/4	1,198.31	3/4	838.76	3/4	478.84	3/4	123.76	3/4		3/4		3/4		3/4	
4	1,910.65	4	1,550.73	4	1,190.82	4	831.26	4	471.34	4	116.28	4		4		4		4	
1/4	1,903.16	1/4	1,543.23	1/4	1,183.33	1/4	823.76	1/4	463.85	1/4	108.88	1/4		1/4		1/4		1/4	
1/2	1,895.66	1/2	1,535.73	1/2	1,175.84	1/2	816.26	1/2	456.35	1/2	101.47	1/2		1/2		1/2		1/2	
3/4	1,888.16	3/4	1,528.23	3/4	1,168.35	3/4	808.76	3/4	448.85	3/4	94.07	3/4		3/4		3/4		3/4	
5	1,880.66	5	1,520.73	5	1,160.86	5	801.27	5	441.35	5	86.66	5		5		5		5	
1/4	1,873.16	1/4	1,513.23	1/4	1,153.37	1/4	793.77	1/4	433.87	1/4	79.96	1/4		1/4		1/4		1/4	
1/2	1,865.66	1/2	1,505.73	1/2	1,145.88	1/2	786.27	1/2	426.39	1/2	73.26	1/2		1/2		1/2		1/2	
3/4	1,858.16	3/4	1,498.24	3/4	1,138.39	3/4	778.77	3/4	418.91	3/4	66.55	3/4		3/4		3/4		3/4	
6	1,850.67	6	1,490.74	6	1,130.90	6	771.27	6	411.43	6	59.85	6		6		6		6	
1/4	1,843.17	1/4	1,483.24	1/4	1,123.41	1/4	763.77	1/4	404.08	1/4	54.40	1/4		1/4		1/4		1/4	
1/2	1,835.67	1/2	1,475.74	1/2	1,115.93	1/2	756.28	1/2	396.73	1/2	48.95	1/2		1/2		1/2		1/2	
3/4	1,828.17	3/4	1,468.24	3/4	1,108.44	3/4	748.78	3/4	389.38	3/4	43.50	3/4		3/4		3/4		3/4	
7	1,820.67	7	1,460.74	7	1,100.95	7	741.28	7	382.03	7	38.04	7		7		7		7	
1/4	1,813.17	1/4	1,453.25	1/4	1,093.46	1/4	733.78	1/4	374.68	1/4	33.84	1/4		1/4		1/4		1/4	
1/2	1,805.67	1/2	1,445.75	1/2	1,085.97	1/2	726.28	1/2	367.33	1/2	29.64	1/2		1/2		1/2		1/2	
3/4	1,798.18	3/4	1,438.25	3/4	1,078.48	3/4	718.79	3/4	359.98	3/4	25.43	3/4		3/4		3/4		3/4	
8	1,790.68	8	1,430.75	8	1,070.99	8	711.29	8	352.63	8	21.23	8		8		8		8	
1/4	1,783.18	1/4	1,423.25	1/4	1,063.50	1/4	703.79	1/4	345.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,775.68	1/2	1,415.75	1/2	1,056.01	1/2	696.29	1/2	337.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,768.18	3/4	1,408.25	3/4	1,048.52	3/4	688.79	3/4	330.58	3/4		3/4		3/4		3/4		3/4	
9	1,760.68	9	1,400.76	9	1,041.04	9	681.29	9	323.23	9		9		9		9		9	
1/4	1,753.19	1/4	1,393.26	1/4	1,393.55	1/4	673.80	1/4	315.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,745.69	1/2	1,385.76	1/2	1,026.06	1/2	666.30	1/2	308.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,738.19	3/4	1,378.26	3/4	1,018.57	3/4	658.80	3/4	301.17	3/4		3/4		3/4		3/4		3/4	
10	1,730.69	10	1,370.76	10	1,011.08	10	651.30	10	293.82	10		10		10		10		10	
1/4	1,723.19	1/4	1,363.26	1/4	1,003.59	1/4	643.80	1/4	286.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,715.69	1/2	1,355.76	1/2	996.10	1/2	636.31	1/2	279.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,708.19	3/4	1,348.27	3/4	988.61	3/4	628.81	3/4	271.77	3/4		3/4		3/4		3/4		3/4	
11	1,700.70	11	1,340.77	11	981.12	11	621.31	11	264.42	11		11		11		11		11	
1/4	1,693.20	1/4	1,333.27	1/4	973.63	1/4	613.81	1/4	257.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,685.70	1/2	1,325.77	1/2	966.15	1/2	606.31	1/2	249.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,678.20	3/4	1,318.27	3/4	958.66	3/4	598.81	3/4	242.37	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2014 SW
CALCULATED: 06/12/2014 CL
PRINTED: 06/12/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

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



BARGE "CTC 29053"

3 STBD ULLAGE 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	0		4,360.78		4,195.48		4,028.92		3,843.81		3,650.68		3,442.13		3,084.74		2,726.33		2,368.76
1/4	1/4	1/4	4,359.14	1/4	4,192.19	1/4	4,025.24	1/4	3,839.79	1/4	3,646.66	1/4	3,434.68	1/4	3,077.27	1/4	2,718.96	1/4	2,361.27
1/2	1/2	1/2	4,357.50	1/2	4,188.90	1/2	4,021.56	1/2	3,835.76	1/2	3,642.64	1/2	3,427.22	1/2	3,069.80	1/2	2,711.58	1/2	2,353.79
3/4	3/4	3/4	4,355.86	3/4	4,185.61	3/4	4,017.87	3/4	3,831.74	3/4	3,638.61	3/4	3,419.77	3/4	3,062.33	3/4	2,704.20	3/4	2,346.31
1	1	1	4,354.22	1	4,182.32	1	4,014.19	1	3,827.72	1	3,634.59	1	3,412.32	1	3,054.86	1	2,696.83	1	2,338.82
1/4	1/4	1/4	4,351.36	1/4	4,179.00	1/4	4,010.47	1/4	3,823.69	1/4	3,630.56	1/4	3,404.87	1/4	3,047.40	1/4	2,689.45	1/4	2,331.34
1/2	1/2	1/2	4,348.50	1/2	4,175.68	1/2	4,006.76	1/2	3,819.67	1/2	3,626.54	1/2	3,397.42	1/2	3,039.93	1/2	2,682.07	1/2	2,323.85
3/4	3/4	3/4	4,345.65	3/4	4,172.36	3/4	4,003.04	3/4	3,815.65	3/4	3,622.52	3/4	3,389.97	3/4	3,032.47	3/4	2,674.70	3/4	2,316.37
2	2	2	4,342.79	2	4,169.04	2	3,999.32	2	3,811.62	2	3,618.49	2	3,382.51	2	3,025.01	2	2,667.32	2	2,308.88
1/4	1/4	1/4	4,338.95	1/4	4,165.69	1/4	3,995.57	1/4	3,807.60	1/4	3,614.47	1/4	3,375.06	1/4	3,017.55	1/4	2,659.94	1/4	2,301.40
1/2	1/2	1/2	4,335.12	1/2	4,162.33	1/2	3,991.83	1/2	3,803.58	1/2	3,610.45	1/2	3,367.61	1/2	3,010.08	1/2	2,652.57	1/2	2,293.91
3/4	3/4	3/4	4,331.28	3/4	4,158.98	3/4	3,988.08	3/4	3,799.55	3/4	3,606.42	3/4	3,360.16	3/4	3,002.62	3/4	2,645.19	3/4	2,286.43
3	3	3	4,327.45	3	4,155.63	3	3,984.33	3	3,795.53	3	3,602.40	3	3,352.71	3	2,995.16	3	2,637.81	3	2,278.94
1/4	1/4	1/4	4,323.48	1/4	4,152.25	1/4	3,980.56	1/4	3,791.50	1/4	3,598.38	1/4	3,345.26	1/4	2,987.70	1/4	2,630.42	1/4	2,271.46
1/2	1/2	1/2	4,319.51	1/2	4,148.86	1/2	3,976.78	1/2	3,787.48	1/2	3,594.35	1/2	3,337.80	1/2	2,980.23	1/2	2,623.03	1/2	2,263.98
3/4	3/4	3/4	4,315.53	3/4	4,145.48	3/4	3,973.00	3/4	3,783.46	3/4	3,590.33	3/4	3,330.35	3/4	2,972.77	3/4	2,615.64	3/4	2,256.49
4	4	4	4,311.56	4	4,142.09	4	3,969.23	4	3,779.43	4	3,586.31	4	3,322.90	4	2,965.31	4	2,608.25	4	2,249.01
1/4	1/4	1/4	4,307.59	1/4	4,138.67	1/4	3,965.41	1/4	3,775.41	1/4	3,582.28	1/4	3,315.45	1/4	2,957.84	1/4	2,600.77	1/4	2,241.52
1/2	1/2	1/2	4,303.62	1/2	4,135.26	1/2	3,961.60	1/2	3,771.39	1/2	3,578.26	1/2	3,308.00	1/2	2,950.38	1/2	2,593.29	1/2	2,234.04
3/4	3/4	3/4	4,299.65	3/4	4,131.84	3/4	3,957.79	3/4	3,767.36	3/4	3,574.24	3/4	3,300.55	3/4	2,942.92	3/4	2,585.81	3/4	2,226.55
5	5	5	4,295.68	5	4,128.42	5	3,953.98	5	3,763.34	5	3,570.21	5	3,293.10	5	2,935.46	5	2,578.32	5	2,219.07
1/4	1/4	1/4	4,291.71	1/4	4,124.97	1/4	3,950.14	1/4	3,759.32	1/4	3,566.19	1/4	3,285.67	1/4	2,927.99	1/4	2,570.84	1/4	2,211.58
1/2	1/2	1/2	4,287.74	1/2	4,121.52	1/2	3,946.29	1/2	3,755.29	1/2	3,562.17	1/2	3,278.23	1/2	2,920.53	1/2	2,563.36	1/2	2,204.10
3/4	3/4	3/4	4,283.77	3/4	4,118.08	3/4	3,942.45	3/4	3,751.27	3/4	3,558.14	3/4	3,270.79	3/4	2,913.07	3/4	2,555.87	3/4	2,196.62
6	6	6	4,279.80	6	4,114.63	6	3,938.61	6	3,747.25	6	3,554.12	6	3,263.36	6	2,905.60	6	2,548.39	6	2,189.13
1/4	1/4	1/4	4,275.83	1/4	4,111.15	1/4	3,934.73	1/4	3,743.22	1/4	3,550.09	1/4	3,255.92	1/4	2,898.14	1/4	2,540.90	1/4	2,181.65
1/2	1/2	1/2	4,271.86	1/2	4,107.67	1/2	3,930.86	1/2	3,739.20	1/2	3,546.07	1/2	3,248.49	1/2	2,890.68	1/2	2,533.42	1/2	2,174.16
3/4	3/4	3/4	4,267.89	3/4	4,104.19	3/4	3,926.98	3/4	3,735.18	3/4	3,542.05	3/4	3,241.05	3/4	2,883.21	3/4	2,525.93	3/4	2,166.68
7	7	7	4,263.92	7	4,100.71	7	3,923.11	7	3,731.15	7	3,538.02	7	3,233.61	7	2,875.75	7	2,518.45	7	2,159.19
1/4	1/4	1/4	4,260.00	1/4	4,097.18	1/4	3,919.20	1/4	3,727.13	1/4	3,534.00	1/4	3,226.18	1/4	2,868.28	1/4	2,510.96	1/4	2,151.71
1/2	1/2	1/2	4,256.08	1/2	4,093.65	1/2	3,915.30	1/2	3,723.11	1/2	3,529.98	1/2	3,218.74	1/2	2,860.81	1/2	2,503.48	1/2	2,144.22
3/4	3/4	3/4	4,252.16	3/4	4,090.13	3/4	3,911.40	3/4	3,719.08	3/4	3,525.95	3/4	3,211.30	3/4	2,853.34	3/4	2,496.00	3/4	2,136.74
8	8	8	4,248.24	8	4,086.60	8	3,907.49	8	3,715.06	8	3,521.93	8	3,203.87	8	2,845.87	8	2,488.51	8	2,129.25
1/4	1/4	1/4	4,244.74	1/4	4,083.04	1/4	3,903.56	1/4	3,711.03	1/4	3,517.91	1/4	3,196.43	1/4	2,838.40	1/4	2,481.03	1/4	2,121.77
1/2	1/2	1/2	4,241.23	1/2	4,079.48	1/2	3,899.62	1/2	3,707.01	1/2	3,513.88	1/2	3,189.00	1/2	2,830.93	1/2	2,473.54	1/2	2,114.29
3/4	3/4	3/4	4,237.72	3/4	4,075.92	3/4	3,895.69	3/4	3,702.99	3/4	3,509.86	3/4	3,181.56	3/4	2,823.46	3/4	2,466.06	3/4	2,106.80
9	9	9	4,234.21	9	4,072.36	9	3,891.76	9	3,698.96	9	3,505.84	9	3,174.12	9	2,815.99	9	2,458.57	9	2,099.32
1/4	1/4	1/4	4,231.02	1/4	4,068.77	1/4	3,887.79	1/4	3,694.94	1/4	3,501.81	1/4	3,166.69	1/4	2,808.52	1/4	2,451.09	1/4	2,091.83
1/2	1/2	1/2	4,227.83	1/2	4,065.18	1/2	3,883.82	1/2	3,690.92	1/2	3,497.79	1/2	3,159.25	1/2	2,801.05	1/2	2,443.60	1/2	2,084.35
3/4	3/4	3/4	4,224.63	3/4	4,061.59	3/4	3,879.85	3/4	3,686.89	3/4	3,493.77	3/4	3,151.82	3/4	2,793.58	3/4	2,436.12	3/4	2,076.86
10	10	10	4,221.44	10	4,058.00	10	3,875.88	10	3,682.87	10	3,489.74	10	3,144.38	10	2,786.11	10	2,428.63	10	2,069.38
1/4	1/4	1/4	4,218.21	1/4	4,054.38	1/4	3,871.88	1/4	3,678.85	1/4	3,485.29	1/4	3,136.94	1/4	2,778.63	1/4	2,421.15	1/4	2,061.89
1/2	1/2	1/2	4,214.98	1/2	4,050.76	1/2	3,867.88	1/2	3,674.82	1/2	3,480.84	1/2	3,129.50	1/2	2,771.16	1/2	2,413.67	1/2	2,054.41
3/4	3/4	3/4	4,211.75	3/4	4,047.14	3/4	3,863.88	3/4	3,670.80	3/4	3,476.39	3/4	3,122.06	3/4	2,763.69	3/4	2,406.18	3/4	2,046.93
11	11	11	4,208.53	11	4,043.52	11	3,859.88	11	3,666.78	11	3,471.93	11	3,114.62	11	2,756.22	11	2,398.70	11	2,039.44
1/4	1/4	1/4	4,205.27	1/4	4,039.87	1/4	3,855.86	1/4	3,662.75	1/4	3,464.48	1/4	3,107.15	1/4	2,748.75	1/4	2,391.21	1/4	2,031.96
1/2	1/2	1/2	4,202.00	1/2	4,036.22	1/2	3,851.85	1/2	3,658.73	1/2	3,457.03	1/2	3,099.68	1/2	2,741.27	1/2	2,383.73	1/2	2,024.47
3/4	3/4	3/4	4,198.74	3/4	4,032.57	3/4	3,847.83	3/4	3,654.71	3/4	3,449.58	3/4	3,092.21	3/4	2,733.80	3/4	2,376.24	3/4	2,016.99

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 TO THE TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-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 "CTC 29053"

3 STBD 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	2,009.51	0	1,650.16	0	1,292.34	0	943.86	0	590.56	0	234.74	0		0		0		0	
1/4	2,002.02	1/4	1,642.68	1/4	1,284.91	1/4	936.70	1/4	583.08	1/4	227.40	1/4		1/4		1/4		1/4	
1/2	1,994.53	1/2	1,635.19	1/2	1,277.49	1/2	929.55	1/2	575.59	1/2	220.06	1/2		1/2		1/2		1/2	
3/4	1,987.05	3/4	1,627.71	3/4	1,270.06	3/4	922.40	3/4	568.10	3/4	212.72	3/4		3/4		3/4		3/4	
1	1,979.56	1	1,620.22	1	1,262.64	1	915.25	1	560.61	1	205.38	1		1		1		1	
1/4	1,972.07	1/4	1,612.73	1/4	1,255.22	1/4	908.09	1/4	553.12	1/4	198.02	1/4		1/4		1/4		1/4	
1/2	1,964.59	1/2	1,605.25	1/2	1,247.79	1/2	900.94	1/2	545.64	1/2	190.67	1/2		1/2		1/2		1/2	
3/4	1,957.10	3/4	1,597.76	3/4	1,240.37	3/4	893.78	3/4	538.15	3/4	183.31	3/4		3/4		3/4		3/4	
2	1,949.62	2	1,590.27	2	1,232.95	2	886.62	2	530.66	2	175.95	2		2		2		2	
1/4	1,942.13	1/4	1,582.79	1/4	1,225.54	1/4	879.45	1/4	523.17	1/4	168.48	1/4		1/4		1/4		1/4	
1/2	1,934.64	1/2	1,575.30	1/2	1,218.13	1/2	872.27	1/2	515.68	1/2	161.00	1/2		1/2		1/2		1/2	
3/4	1,927.16	3/4	1,567.81	3/4	1,210.72	3/4	865.09	3/4	508.19	3/4	153.53	3/4		3/4		3/4		3/4	
3	1,919.67	3	1,560.33	3	1,203.32	3	857.92	3	500.71	3	146.05	3		3		3		3	
1/4	1,912.18	1/4	1,552.84	1/4	1,195.91	1/4	850.74	1/4	493.22	1/4	138.58	1/4		1/4		1/4		1/4	
1/2	1,904.70	1/2	1,545.36	1/2	1,188.50	1/2	843.56	1/2	485.73	1/2	131.10	1/2		1/2		1/2		1/2	
3/4	1,897.21	3/4	1,537.87	3/4	1,181.09	3/4	836.38	3/4	478.24	3/4	123.62	3/4		3/4		3/4		3/4	
4	1,889.73	4	1,530.38	4	1,173.68	4	829.20	4	470.75	4	116.14	4		4		4		4	
1/4	1,882.24	1/4	1,522.90	1/4	1,166.28	1/4	821.96	1/4	463.26	1/4	108.74	1/4		1/4		1/4		1/4	
1/2	1,874.75	1/2	1,515.41	1/2	1,158.88	1/2	814.72	1/2	455.78	1/2	101.35	1/2		1/2		1/2		1/2	
3/4	1,867.27	3/4	1,507.92	3/4	1,151.48	3/4	807.48	3/4	448.29	3/4	93.96	3/4		3/4		3/4		3/4	
5	1,859.78	5	1,500.44	5	1,144.08	5	800.24	5	440.80	5	86.56	5		5		5		5	
1/4	1,852.29	1/4	1,492.96	1/4	1,136.93	1/4	792.75	1/4	433.33	1/4	79.88	1/4		1/4		1/4		1/4	
1/2	1,844.81	1/2	1,485.48	1/2	1,129.78	1/2	785.26	1/2	425.86	1/2	73.19	1/2		1/2		1/2		1/2	
3/4	1,837.32	3/4	1,478.00	3/4	1,122.63	3/4	777.77	3/4	418.39	3/4	66.51	3/4		3/4		3/4		3/4	
6	1,829.84	6	1,470.52	6	1,115.48	6	770.28	6	410.92	6	59.83	6		6		6		6	
1/4	1,822.35	1/4	1,463.10	1/4	1,108.33	1/4	762.80	1/4	403.58	1/4	54.38	1/4		1/4		1/4		1/4	
1/2	1,814.86	1/2	1,455.67	1/2	1,101.18	1/2	755.31	1/2	396.24	1/2	48.94	1/2		1/2		1/2		1/2	
3/4	1,807.38	3/4	1,448.25	3/4	1,094.03	3/4	747.82	3/4	388.90	3/4	43.50	3/4		3/4		3/4		3/4	
7	1,799.89	7	1,440.83	7	1,086.88	7	740.33	7	381.56	7	38.05	7		7		7		7	
1/4	1,792.40	1/4	1,433.40	1/4	1,079.73	1/4	732.84	1/4	374.22	1/4	33.85	1/4		1/4		1/4		1/4	
1/2	1,784.92	1/2	1,425.98	1/2	1,072.57	1/2	725.35	1/2	366.88	1/2	29.64	1/2		1/2		1/2		1/2	
3/4	1,777.43	3/4	1,418.55	3/4	1,065.42	3/4	717.87	3/4	359.54	3/4	25.44	3/4		3/4		3/4		3/4	
8	1,769.94	8	1,411.13	8	1,058.27	8	710.38	8	352.19	8	21.24	8		8		8		8	
1/4	1,762.46	1/4	1,403.70	1/4	1,051.12	1/4	702.89	1/4	344.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,754.97	1/2	1,396.28	1/2	1,043.97	1/2	695.40	1/2	337.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,747.49	3/4	1,388.85	3/4	1,036.82	3/4	687.91	3/4	330.17	3/4		3/4		3/4		3/4		3/4	
9	1,740.00	9	1,381.43	9	1,029.67	9	680.42	9	322.83	9		9		9		9		9	
1/4	1,732.51	1/4	1,374.01	1/4	1,022.52	1/4	672.94	1/4	315.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,725.03	1/2	1,366.58	1/2	1,015.37	1/2	665.45	1/2	308.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,717.54	3/4	1,359.16	3/4	1,008.22	3/4	657.96	3/4	300.81	3/4		3/4		3/4		3/4		3/4	
10	1,710.05	10	1,351.73	10	1,001.06	10	650.47	10	293.47	10		10		10		10		10	
1/4	1,702.57	1/4	1,344.31	1/4	993.91	1/4	642.98	1/4	286.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,695.08	1/2	1,336.88	1/2	986.76	1/2	635.49	1/2	278.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,687.60	3/4	1,329.46	3/4	979.61	3/4	628.01	3/4	271.45	3/4		3/4		3/4		3/4		3/4	
11	1,680.11	11	1,322.03	11	972.46	11	620.52	11	264.11	11		11		11		11		11	
1/4	1,672.62	1/4	1,314.61	1/4	965.31	1/4	613.03	1/4	256.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,665.14	1/2	1,307.18	1/2	958.16	1/2	605.54	1/2	249.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,657.65	3/4	1,299.76	3/4	951.01	3/4	598.05	3/4	242.08	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2014 SW
CALCULATED: 06/12/2014 CL
PRINTED: 06/12/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

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