



BARGE "CTCo 338"

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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-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 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 236'-03"

April 2, 2014

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 338"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3"

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	
			4,777.68		4,438.21		4,077.85		3,711.33		3,344.50		2,977.41		2,610.14		2,242.87			
1/4	1/4	1/4	4,770.84	1/4	4,430.89	1/4	4,070.22	1/4	3,703.69	1/4	3,336.86	1/4	2,969.76	1/4	2,602.49	1/4	2,235.22	1/4		
1/2	1/2	1/2	5,099.33	1/2	4,763.99	1/2	4,423.57	1/2	4,062.58	1/2	3,696.06	1/2	3,329.21	1/2	2,962.11	1/2	2,594.84	1/2	2,227.56	
3/4	3/4	3/4	5,093.28	3/4	4,757.14	3/4	4,416.25	3/4	4,054.94	3/4	3,688.42	3/4	3,321.56	3/4	2,954.46	3/4	2,587.19	3/4	2,219.91	
1	1	1	5,087.23	1	4,750.30	1	4,408.94	1	4,047.31	1	3,680.78	1	3,313.91	1	2,946.81	1	2,579.53	1	2,212.26	
1/4	1/4	1/4	5,080.03	1/4	4,743.40	1/4	4,401.57	1/4	4,039.67	1/4	3,673.15	1/4	3,306.27	1/4	2,939.15	1/4	2,571.88	1/4	2,204.61	
1/2	1/2	1/2	5,072.83	1/2	4,736.50	1/2	4,394.21	1/2	4,032.04	1/2	3,665.51	1/2	3,298.62	1/2	2,931.50	1/2	2,564.23	1/2	2,196.96	
3/4	3/4	3/4	5,065.64	3/4	4,729.60	3/4	4,386.85	3/4	4,024.40	3/4	3,657.88	3/4	3,290.97	3/4	2,923.85	3/4	2,556.58	3/4	2,189.31	
2	2	2	5,058.44	2	4,722.70	2	4,379.49	2	4,016.76	2	3,650.24	2	3,283.32	2	2,916.20	2	2,548.93	2	2,181.66	
1/4	1/4	1/4	5,050.86	1/4	4,715.75	1/4	4,372.09	1/4	4,009.13	1/4	3,642.60	1/4	3,275.68	1/4	2,908.55	1/4	2,541.28	1/4	2,174.00	
1/2	1/2	1/2	5,043.28	1/2	4,708.80	1/2	4,364.70	1/2	4,001.49	1/2	3,634.97	1/2	3,268.03	1/2	2,900.90	1/2	2,533.62	1/2	2,166.35	
3/4	3/4	3/4	5,035.70	3/4	4,701.84	3/4	4,357.30	3/4	3,993.86	3/4	3,627.33	3/4	3,260.38	3/4	2,893.25	3/4	2,525.97	3/4	2,158.70	
3	3	3	5,028.13	3	4,694.89	3	4,349.90	3	3,986.22	3	3,619.70	3	3,252.73	3	2,885.59	3	2,518.32	3	2,151.05	
1/4	1/4	1/4	5,020.55	1/4	4,687.90	1/4	4,342.47	1/4	3,978.58	1/4	3,612.06	1/4	3,245.09	1/4	2,877.94	1/4	2,510.67	1/4	2,143.40	
1/2	1/2	1/2	5,012.97	1/2	4,680.91	1/2	4,335.04	1/2	3,970.95	1/2	3,604.43	1/2	3,237.44	1/2	2,870.29	1/2	2,503.02	1/2	2,135.75	
3/4	3/4	3/4	5,005.39	3/4	4,673.92	3/4	4,327.62	3/4	3,963.31	3/4	3,596.79	3/4	3,229.79	3/4	2,862.64	3/4	2,495.37	3/4	2,128.10	
4	4	4	4,997.81	4	4,666.92	4	4,320.19	4	3,955.68	4	3,589.15	4	3,222.14	4	2,854.99	4	2,487.72	4	2,120.44	
1/4	1/4	1/4	4,990.23	1/4	4,659.90	1/4	4,312.72	1/4	3,948.04	1/4	3,581.52	1/4	3,214.50	1/4	2,847.34	1/4	2,480.06	1/4	2,112.79	
1/2	1/2	1/2	4,982.66	1/2	4,652.87	1/2	4,305.26	1/2	3,940.40	1/2	3,573.88	1/2	3,206.85	1/2	2,839.68	1/2	2,472.41	1/2	2,105.14	
3/4	3/4	3/4	4,975.08	3/4	4,645.84	3/4	4,297.80	3/4	3,932.77	3/4	3,566.25	3/4	3,199.20	3/4	2,832.03	3/4	2,464.76	3/4	2,097.49	
5	5	5	4,967.50	5	4,638.81	5	4,290.33	5	3,925.13	5	3,558.61	5	3,191.55	5	2,824.38	5	2,457.11	5	2,089.84	
1/4	1/4	1/4	4,960.40	1/4	4,631.75	1/4	4,282.83	1/4	3,917.50	1/4	3,550.97	1/4	3,183.91	1/4	2,816.73	1/4	2,449.46	1/4	2,082.19	
1/2	1/2	1/2	4,953.30	1/2	4,624.68	1/2	4,275.33	1/2	3,909.86	1/2	3,543.33	1/2	3,176.26	1/2	2,809.08	1/2	2,441.81	1/2	2,074.53	
3/4	3/4	3/4	4,946.20	3/4	4,617.62	3/4	4,267.83	3/4	3,902.23	3/4	3,535.69	3/4	3,168.61	3/4	2,801.43	3/4	2,434.16	3/4	2,066.88	
6	6	6	4,939.10	6	4,610.56	6	4,260.33	6	3,894.59	6	3,528.04	6	3,160.96	6	2,793.78	6	2,426.50	6	2,059.23	
1/4	1/4	1/4	4,932.46	1/4	4,603.46	1/4	4,252.79	1/4	3,886.95	1/4	3,520.40	1/4	3,153.32	1/4	2,786.12	1/4	2,418.85	1/4	2,051.58	
1/2	1/2	1/2	4,925.82	1/2	4,596.37	1/2	4,245.25	1/2	3,879.32	1/2	3,512.75	1/2	3,145.67	1/2	2,778.47	1/2	2,411.20	1/2	2,043.93	
3/4	3/4	3/4	4,919.18	3/4	4,589.27	3/4	4,237.71	3/4	3,871.68	3/4	3,505.10	3/4	3,138.02	3/4	2,770.82	3/4	2,403.55	3/4	2,036.28	
7	7	7	4,912.54	7	4,582.17	7	4,230.17	7	3,864.05	7	3,497.45	7	3,130.37	7	2,763.17	7	2,395.90	7	2,028.63	
1/4	1/4	1/4	4,905.87	1/4	4,575.04	1/4	4,222.60	1/4	3,856.41	1/4	3,489.81	1/4	3,122.73	1/4	2,755.52	1/4	2,388.25	1/4	2,020.97	
1/2	1/2	1/2	4,899.20	1/2	4,567.91	1/2	4,215.02	1/2	3,848.77	1/2	3,482.16	1/2	3,115.08	1/2	2,747.87	1/2	2,380.59	1/2	2,013.32	
3/4	3/4	3/4	4,892.53	3/4	4,560.78	3/4	4,207.45	3/4	3,841.14	3/4	3,474.51	3/4	3,107.43	3/4	2,740.22	3/4	2,372.94	3/4	2,005.67	
8	8	8	4,885.86	8	4,553.65	8	4,199.88	8	3,833.50	8	3,466.86	8	3,099.78	8	2,732.56	8	2,365.29	8	1,998.02	
1/4	1/4	1/4	4,879.15	1/4	4,546.49	1/4	4,192.27	1/4	3,825.87	1/4	3,459.22	1/4	3,092.14	1/4	2,724.91	1/4	2,357.64	1/4	1,990.37	
1/2	1/2	1/2	4,872.44	1/2	4,539.33	1/2	4,184.67	1/2	3,818.23	1/2	3,451.57	1/2	3,084.49	1/2	2,717.26	1/2	2,349.99	1/2	1,982.72	
3/4	3/4	3/4	4,865.73	3/4	4,532.16	3/4	4,177.06	3/4	3,810.59	3/4	3,443.92	3/4	3,076.84	3/4	2,709.61	3/4	2,342.34	3/4	1,975.07	
9	9	9	4,859.03	9	4,525.00	9	4,169.45	9	3,802.96	9	3,436.27	9	3,069.19	9	2,701.96	9	2,334.69	9	1,967.41	
1/4	1/4	1/4	4,852.28	1/4	4,517.80	1/4	4,161.82	1/4	3,795.32	1/4	3,428.63	1/4	3,061.55	1/4	2,694.31	1/4	2,327.03	1/4	1,959.76	
1/2	1/2	1/2	4,845.54	1/2	4,510.60	1/2	4,154.20	1/2	3,787.69	1/2	3,420.98	1/2	3,053.90	1/2	2,686.65	1/2	2,319.38	1/2	1,952.11	
3/4	3/4	3/4	4,838.79	3/4	4,503.41	3/4	4,146.57	3/4	3,780.05	3/4	3,413.33	3/4	3,046.25	3/4	2,679.00	3/4	2,311.73	3/4	1,944.46	
10	10	10	4,832.05	10	4,496.21	10	4,138.94	10	3,772.42	10	3,405.68	10	3,038.60	10	2,671.35	10	2,304.08	10	1,936.81	
1/4	1/4	1/4	4,825.27	1/4	4,488.98	1/4	4,131.30	1/4	3,764.78	1/4	3,398.04	1/4	3,030.96	1/4	2,663.70	1/4	2,296.43	1/4	1,929.16	
1/2	1/2	1/2	4,818.49	1/2	4,481.75	1/2	4,123.67	1/2	3,757.14	1/2	3,390.39	1/2	3,023.31	1/2	2,656.05	1/2	2,288.78	1/2	1,921.50	
3/4	3/4	3/4	4,811.71	3/4	4,474.52	3/4	4,116.03	3/4	3,749.51	3/4	3,382.74	3/4	3,015.66	3/4	2,648.40	3/4	2,281.13	3/4	1,913.85	
11	11	11	4,804.93	11	4,467.28	11	4,108.39	11	3,741.87	11	3,375.09	11	3,008.01	11	2,640.75	11	2,273.47	11	1,906.20	
1/4	1/4	1/4	4,798.12	1/4	4,460.02	1/4	4,100.76	1/4	3,734.24	1/4	3,367.45	1/4	3,000.36	1/4	2,633.09	1/4	2,265.82	1/4	1,898.55	
1/2	1/2	1/2	4,791.31	1/2	4,452.75	1/2	4,093.12	1/2	3,726.60	1/2	3,359.80	1/2	2,992.71	1/2	2,625.44	1/2	2,258.17	1/2	1,890.90	
3/4	3/4	3/4	4,784.50	3/4	4,445.48	3/4	4,085.49	3/4	3,718.96	3/4	3,352.15	3/4	2,985.06	3/4	2,617.79	3/4	2,250.52	3/4	1,883.25	

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 TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CTCo 338"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3"

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	1,875.60	0	1,508.32	0	1,141.11	0	775.99	0	411.73	0	88.17	0		0		0		0	
1/4	1,867.94	1/4	1,500.67	1/4	1,133.49	1/4	768.34	1/4	404.49	1/4	82.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,860.29	1/2	1,493.02	1/2	1,125.87	1/2	760.69	1/2	397.24	1/2	75.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,852.64	3/4	1,485.37	3/4	1,118.25	3/4	753.04	3/4	390.00	3/4	69.82	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,844.99	1	1,477.72	1	1,110.62	1	745.39	1	382.76	1	63.70	1	1	1	1	1	1	1	1
1/4	1,837.34	1/4	1,470.07	1/4	1,103.01	1/4	737.74	1/4	375.61	1/4	58.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,829.69	1/2	1,462.41	1/2	1,095.39	1/2	730.09	1/2	368.45	1/2	52.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,822.04	3/4	1,454.76	3/4	1,087.78	3/4	722.43	3/4	361.30	3/4	47.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,814.38	2	1,447.11	2	1,080.16	2	714.78	2	354.15	2	41.48	2	2	2	2	2	2	2	2
1/4	1,806.73	1/4	1,439.46	1/4	1,072.56	1/4	707.13	1/4	347.09	1/4	36.99	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,799.08	1/2	1,431.81	1/2	1,064.95	1/2	699.48	1/2	340.03	1/2	32.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,791.43	3/4	1,424.16	3/4	1,057.34	3/4	691.83	3/4	332.97	3/4	28.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,783.78	3	1,416.51	3	1,049.73	3	684.18	3	325.91	3	23.51	3	3	3	3	3	3	3	3
1/4	1,776.13	1/4	1,408.85	1/4	1,042.13	1/4	676.53	1/4	318.93	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,768.47	1/2	1,401.20	1/2	1,034.52	1/2	668.88	1/2	311.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,760.82	3/4	1,393.55	3/4	1,026.92	3/4	661.22	3/4	304.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,753.17	4	1,385.90	4	1,019.31	4	653.57	4	298.02	4	4	4	4	4	4	4	4	4	4
1/4	1,745.52	1/4	1,378.25	1/4	1,011.71	1/4	645.92	1/4	291.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,737.87	1/2	1,370.60	1/2	1,004.11	1/2	638.27	1/2	284.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,730.22	3/4	1,362.95	3/4	996.51	3/4	630.62	3/4	277.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,722.57	5	1,355.29	5	988.91	5	622.97	5	270.51	5	5	5	5	5	5	5	5	5	5
1/4	1,714.91	1/4	1,347.64	1/4	981.31	1/4	615.32	1/4	263.72	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,707.26	1/2	1,339.99	1/2	973.71	1/2	607.67	1/2	256.93	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,699.61	3/4	1,332.34	3/4	966.11	3/4	600.01	3/4	250.14	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,691.96	6	1,324.69	6	958.51	6	592.36	6	243.35	6	6	6	6	6	6	6	6	6	6
1/4	1,684.31	1/4	1,317.04	1/4	950.91	1/4	584.71	1/4	236.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,676.66	1/2	1,309.38	1/2	943.31	1/2	577.06	1/2	229.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,669.01	3/4	1,301.73	3/4	935.71	3/4	569.41	3/4	223.26	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,661.35	7	1,294.08	7	928.11	7	561.76	7	216.56	7	7	7	7	7	7	7	7	7	7
1/4	1,653.70	1/4	1,286.43	1/4	920.51	1/4	554.12	1/4	209.95	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,646.05	1/2	1,278.78	1/2	912.91	1/2	546.48	1/2	203.35	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,638.40	3/4	1,271.13	3/4	905.31	3/4	538.84	3/4	196.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,630.75	8	1,263.48	8	897.70	8	531.20	8	190.13	8	8	8	8	8	8	8	8	8	8
1/4	1,623.10	1/4	1,255.82	1/4	890.10	1/4	523.60	1/4	183.61	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,615.44	1/2	1,248.17	1/2	882.50	1/2	516.01	1/2	177.10	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,607.79	3/4	1,240.52	3/4	874.90	3/4	508.41	3/4	170.58	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,600.14	9	1,232.87	9	867.30	9	500.82	9	164.07	9	9	9	9	9	9	9	9	9	9
1/4	1,592.49	1/4	1,225.22	1/4	859.70	1/4	493.30	1/4	157.64	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,584.84	1/2	1,217.57	1/2	852.10	1/2	485.79	1/2	151.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,577.19	3/4	1,209.92	3/4	844.50	3/4	478.27	3/4	144.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,569.54	10	1,202.26	10	836.90	10	470.76	10	138.38	10	10	10	10	10	10	10	10	10	10
1/4	1,561.88	1/4	1,194.61	1/4	829.30	1/4	463.34	1/4	132.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,554.23	1/2	1,186.96	1/2	821.70	1/2	455.91	1/2	125.72	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,546.58	3/4	1,179.31	3/4	814.10	3/4	448.49	3/4	119.40	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,538.93	11	1,171.66	11	806.50	11	441.06	11	113.07	11	11	11	11	11	11	11	11	11	11
1/4	1,531.28	1/4	1,164.02	1/4	798.87	1/4	433.73	1/4	106.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,523.63	1/2	1,156.38	1/2	791.25	1/2	426.40	1/2	100.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,515.98	3/4	1,148.75	3/4	783.62	3/4	419.06	3/4	94.40	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/03/2014 CL
CALCULATED: 04/04/2014 CL
PRINTED: 04/05/2014 SW

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014



BARGE "CTCo 338"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 1/4"

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	4,784.25	0	4,445.00	0	4,084.76	0	3,717.98	0	3,351.21	0	2,984.43	0	2,617.46	0	2,250.49
1/4		1/4		1/4	4,777.44	1/4	4,437.72	1/4	4,077.12	1/4	3,710.34	1/4	3,343.56	1/4	2,976.78	1/4	2,609.81	1/4	2,242.85
1/2		1/2		1/2	4,770.59	1/2	4,430.40	1/2	4,069.48	1/2	3,702.70	1/2	3,335.92	1/2	2,969.14	1/2	2,602.17	1/2	2,235.20
3/4		3/4	5,099.30	3/4	4,763.73	3/4	4,423.08	3/4	4,061.84	3/4	3,695.06	3/4	3,328.28	3/4	2,961.49	3/4	2,594.52	3/4	2,227.55
1		1	5,093.25	1	4,756.88	1	4,415.75	1	4,054.20	1	3,687.42	1	3,320.64	1	2,953.85	1	2,586.88	1	2,219.91
1/4		1/4	5,087.19	1/4	4,750.03	1/4	4,408.43	1/4	4,046.55	1/4	3,679.78	1/4	3,313.00	1/4	2,946.20	1/4	2,579.23	1/4	2,212.26
1/2		1/2	5,079.99	1/2	4,743.13	1/2	4,401.06	1/2	4,038.91	1/2	3,672.14	1/2	3,305.36	1/2	2,938.56	1/2	2,571.59	1/2	2,204.62
3/4		3/4	5,072.79	3/4	4,736.22	3/4	4,393.70	3/4	4,031.27	3/4	3,664.49	3/4	3,297.72	3/4	2,930.91	3/4	2,563.94	3/4	2,196.97
2		2	5,065.59	2	4,729.32	2	4,386.33	2	4,023.63	2	3,656.85	2	3,290.08	2	2,923.27	2	2,556.30	2	2,189.33
1/4		1/4	5,058.39	1/4	4,722.42	1/4	4,378.96	1/4	4,015.99	1/4	3,649.21	1/4	3,282.43	1/4	2,915.62	1/4	2,548.65	1/4	2,181.68
1/2		1/2	5,050.81	1/2	4,715.46	1/2	4,371.56	1/2	4,008.35	1/2	3,641.57	1/2	3,274.79	1/2	2,907.98	1/2	2,541.01	1/2	2,174.04
3/4		3/4	5,043.22	3/4	4,708.50	3/4	4,364.16	3/4	4,000.71	3/4	3,633.93	3/4	3,267.15	3/4	2,900.33	3/4	2,533.36	3/4	2,166.39
3		3	5,035.64	3	4,701.54	3	4,356.76	3	3,993.07	3	3,626.29	3	3,259.51	3	2,892.69	3	2,525.72	3	2,158.75
1/4		1/4	5,028.06	1/4	4,694.58	1/4	4,349.36	1/4	3,985.42	1/4	3,618.65	1/4	3,251.87	1/4	2,885.04	1/4	2,518.07	1/4	2,151.10
1/2		1/2	5,020.47	1/2	4,687.59	1/2	4,341.92	1/2	3,977.78	1/2	3,611.01	1/2	3,244.23	1/2	2,877.40	1/2	2,510.43	1/2	2,143.46
3/4		3/4	5,012.89	3/4	4,680.59	3/4	4,334.49	3/4	3,970.14	3/4	3,603.36	3/4	3,236.59	3/4	2,869.75	3/4	2,502.78	3/4	2,135.81
4		4	5,005.30	4	4,673.60	4	4,327.05	4	3,962.50	4	3,595.72	4	3,228.95	4	2,862.11	4	2,495.14	4	2,128.17
1/4		1/4	4,997.72	1/4	4,666.60	1/4	4,319.62	1/4	3,954.86	1/4	3,588.08	1/4	3,221.30	1/4	2,854.46	1/4	2,487.49	1/4	2,120.52
1/2		1/2	4,990.14	1/2	4,659.57	1/2	4,312.15	1/2	3,947.22	1/2	3,580.44	1/2	3,213.66	1/2	2,846.82	1/2	2,479.85	1/2	2,112.88
3/4		3/4	4,982.55	3/4	4,652.53	3/4	4,304.68	3/4	3,939.58	3/4	3,572.80	3/4	3,206.02	3/4	2,839.17	3/4	2,472.20	3/4	2,105.23
5		5	4,974.97	5	4,645.50	5	4,297.21	5	3,931.94	5	3,565.16	5	3,198.38	5	2,831.53	5	2,464.56	5	2,097.59
1/4		1/4	4,967.39	1/4	4,638.46	1/4	4,289.74	1/4	3,924.30	1/4	3,557.52	1/4	3,190.74	1/4	2,823.88	1/4	2,456.91	1/4	2,089.94
1/2		1/2	4,960.28	1/2	4,631.40	1/2	4,282.24	1/2	3,916.65	1/2	3,549.88	1/2	3,183.10	1/2	2,816.24	1/2	2,449.27	1/2	2,082.30
3/4		3/4	4,953.18	3/4	4,624.33	3/4	4,274.73	3/4	3,909.01	3/4	3,542.24	3/4	3,175.46	3/4	2,808.59	3/4	2,441.62	3/4	2,074.65
6		6	4,946.07	6	4,617.26	6	4,267.22	6	3,901.37	6	3,534.59	6	3,167.82	6	2,800.94	6	2,433.98	6	2,067.01
1/4		1/4	4,938.96	1/4	4,610.19	1/4	4,259.72	1/4	3,893.73	1/4	3,526.95	1/4	3,160.18	1/4	2,793.30	1/4	2,426.33	1/4	2,059.36
1/2		1/2	4,932.32	1/2	4,603.09	1/2	4,252.17	1/2	3,886.09	1/2	3,519.31	1/2	3,152.53	1/2	2,785.65	1/2	2,418.68	1/2	2,051.72
3/4		3/4	4,925.68	3/4	4,595.99	3/4	4,244.63	3/4	3,878.45	3/4	3,511.67	3/4	3,144.89	3/4	2,778.01	3/4	2,411.04	3/4	2,044.07
7		7	4,919.03	7	4,588.89	7	4,237.09	7	3,870.81	7	3,504.03	7	3,137.25	7	2,770.36	7	2,403.39	7	2,036.42
1/4		1/4	4,912.39	1/4	4,581.79	1/4	4,229.54	1/4	3,863.17	1/4	3,496.39	1/4	3,129.61	1/4	2,762.72	1/4	2,395.75	1/4	2,028.78
1/2		1/2	4,905.71	1/2	4,574.65	1/2	4,221.96	1/2	3,855.52	1/2	3,488.75	1/2	3,121.97	1/2	2,755.07	1/2	2,388.10	1/2	2,021.13
3/4		3/4	4,899.04	3/4	4,567.52	3/4	4,214.38	3/4	3,847.88	3/4	3,481.11	3/4	3,114.33	3/4	2,747.43	3/4	2,380.46	3/4	2,013.49
8		8	4,892.36	8	4,560.38	8	4,206.81	8	3,840.24	8	3,473.46	8	3,106.69	8	2,739.78	8	2,372.81	8	2,005.84
1/4		1/4	4,885.68	1/4	4,553.25	1/4	4,199.23	1/4	3,832.60	1/4	3,465.82	1/4	3,099.05	1/4	2,732.14	1/4	2,365.17	1/4	1,998.20
1/2		1/2	4,878.97	1/2	4,546.08	1/2	4,191.62	1/2	3,824.96	1/2	3,458.18	1/2	3,091.40	1/2	2,724.49	1/2	2,357.52	1/2	1,990.55
3/4		3/4	4,872.26	3/4	4,538.91	3/4	4,184.00	3/4	3,817.32	3/4	3,450.54	3/4	3,083.76	3/4	2,716.85	3/4	2,349.88	3/4	1,982.91
9		9	4,865.55	9	4,531.74	9	4,176.39	9	3,809.68	9	3,442.90	9	3,076.12	9	2,709.20	9	2,342.23	9	1,975.26
1/4		1/4	4,858.84	1/4	4,524.57	1/4	4,168.78	1/4	3,802.04	1/4	3,435.26	1/4	3,068.48	1/4	2,701.56	1/4	2,334.59	1/4	1,967.62
1/2		1/2	4,852.09	1/2	4,517.37	1/2	4,161.15	1/2	3,794.39	1/2	3,427.62	1/2	3,060.84	1/2	2,693.91	1/2	2,326.94	1/2	1,959.97
3/4		3/4	4,845.34	3/4	4,510.17	3/4	4,153.52	3/4	3,786.75	3/4	3,419.98	3/4	3,053.20	3/4	2,686.27	3/4	2,319.30	3/4	1,952.33
10		10	4,838.59	10	4,502.97	10	4,145.88	10	3,779.11	10	3,412.33	10	3,045.56	10	2,678.62	10	2,311.65	10	1,944.68
1/4		1/4	4,831.84	1/4	4,495.77	1/4	4,138.25	1/4	3,771.47	1/4	3,404.69	1/4	3,037.92	1/4	2,670.98	1/4	2,304.01	1/4	1,937.04
1/2		1/2	4,825.06	1/2	4,488.53	1/2	4,130.61	1/2	3,763.83	1/2	3,397.05	1/2	3,030.27	1/2	2,663.33	1/2	2,296.36	1/2	1,929.39
3/4		3/4	4,818.27	3/4	4,481.29	3/4	4,122.97	3/4	3,756.19	3/4	3,389.41	3/4	3,022.63	3/4	2,655.69	3/4	2,288.72	3/4	1,921.75
11		11	4,811.49	11	4,474.06	11	4,115.33	11	3,748.55	11	3,381.77	11	3,014.99	11	2,648.04	11	2,281.07	11	1,914.10
1/4		1/4	4,804.70	1/4	4,466.82	1/4	4,107.68	1/4	3,740.91	1/4	3,374.13	1/4	3,007.35	1/4	2,640.40	1/4	2,273.43	1/4	1,906.46
1/2		1/2	4,797.89	1/2	4,459.55	1/2	4,100.04	1/2	3,733.27	1/2	3,366.49	1/2	2,999.71	1/2	2,632.75	1/2	2,265.78	1/2	1,898.81
3/4		3/4	4,791.07	3/4	4,452.27	3/4	4,092.40	3/4	3,725.62	3/4	3,358.85	3/4	2,992.07	3/4	2,625.11	3/4	2,258.14	3/4	1,891.17

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 TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 338"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,883.52	0	1,516.55	0	1,149.58	0	783.10	0	418.89	0	94.47	0		0		0		0	
1/4	1,875.88	1/4	1,508.91	1/4	1,141.94	1/4	775.47	1/4	411.56	1/4	88.24	1/4		1/4		1/4		1/4	
1/2	1,868.23	1/2	1,501.26	1/2	1,134.29	1/2	767.82	1/2	404.33	1/2	82.11	1/2		1/2		1/2		1/2	
3/4	1,860.59	3/4	1,493.62	3/4	1,126.65	3/4	760.18	3/4	397.09	3/4	75.99	3/4		3/4		3/4		3/4	
1	1,852.94	1	1,485.97	1	1,119.00	1	752.53	1	389.85	1	69.87	1		1		1		1	
1/4	1,845.29	1/4	1,478.33	1/4	1,111.36	1/4	744.89	1/4	382.62	1/4	63.75	1/4		1/4		1/4		1/4	
1/2	1,837.65	1/2	1,470.68	1/2	1,103.71	1/2	737.24	1/2	375.47	1/2	58.19	1/2		1/2		1/2		1/2	
3/4	1,830.00	3/4	1,463.03	3/4	1,096.07	3/4	729.60	3/4	368.33	3/4	52.63	3/4		3/4		3/4		3/4	
2	1,822.36	2	1,455.39	2	1,088.43	2	721.95	2	361.18	2	47.07	2		2		2		2	
1/4	1,814.71	1/4	1,447.74	1/4	1,080.79	1/4	714.31	1/4	354.04	1/4	41.51	1/4		1/4		1/4		1/4	
1/2	1,807.07	1/2	1,440.10	1/2	1,073.15	1/2	706.66	1/2	346.98	1/2	37.02	1/2		1/2		1/2		1/2	
3/4	1,799.42	3/4	1,432.45	3/4	1,065.51	3/4	699.02	3/4	339.93	3/4	32.52	3/4		3/4		3/4		3/4	
3	1,791.78	3	1,424.81	3	1,057.87	3	691.37	3	332.87	3	28.03	3		3		3		3	
1/4	1,784.13	1/4	1,417.16	1/4	1,050.23	1/4	683.73	1/4	325.82	1/4	23.53	1/4		1/4		1/4		1/4	
1/2	1,776.49	1/2	1,409.52	1/2	1,042.60	1/2	676.08	1/2	318.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,768.84	3/4	1,401.87	3/4	1,034.96	3/4	668.44	3/4	311.89	3/4		3/4		3/4		3/4		3/4	
4	1,761.20	4	1,394.23	4	1,027.33	4	660.79	4	304.93	4		4		4		4		4	
1/4	1,753.55	1/4	1,386.58	1/4	1,019.69	1/4	653.15	1/4	297.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,745.91	1/2	1,378.94	1/2	1,012.06	1/2	645.50	1/2	291.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,738.26	3/4	1,371.29	3/4	1,004.43	3/4	637.86	3/4	284.22	3/4		3/4		3/4		3/4		3/4	
5	1,730.62	5	1,363.65	5	996.80	5	630.21	5	277.35	5		5		5		5		5	
1/4	1,722.97	1/4	1,356.00	1/4	989.17	1/4	622.57	1/4	270.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,715.33	1/2	1,348.36	1/2	981.54	1/2	614.92	1/2	263.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,707.68	3/4	1,340.71	3/4	973.91	3/4	607.28	3/4	256.91	3/4		3/4		3/4		3/4		3/4	
6	1,700.04	6	1,333.07	6	966.27	6	599.63	6	250.13	6		6		6		6		6	
1/4	1,692.39	1/4	1,325.42	1/4	958.64	1/4	591.99	1/4	243.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,684.75	1/2	1,317.78	1/2	951.01	1/2	584.34	1/2	236.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,677.10	3/4	1,310.13	3/4	943.38	3/4	576.70	3/4	229.96	3/4		3/4		3/4		3/4		3/4	
7	1,669.46	7	1,302.49	7	935.75	7	569.06	7	223.27	7		7		7		7		7	
1/4	1,661.81	1/4	1,294.84	1/4	928.12	1/4	561.42	1/4	216.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,654.16	1/2	1,287.20	1/2	920.49	1/2	553.79	1/2	209.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,646.52	3/4	1,279.55	3/4	912.86	3/4	546.17	3/4	203.38	3/4		3/4		3/4		3/4		3/4	
8	1,638.87	8	1,271.90	8	905.22	8	538.54	8	196.78	8		8		8		8		8	
1/4	1,631.23	1/4	1,264.26	1/4	897.59	1/4	530.92	1/4	190.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,623.58	1/2	1,256.61	1/2	889.96	1/2	523.33	1/2	183.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,615.94	3/4	1,248.97	3/4	882.33	3/4	515.75	3/4	177.16	3/4		3/4		3/4		3/4		3/4	
9	1,608.29	9	1,241.32	9	874.70	9	508.16	9	170.65	9		9		9		9		9	
1/4	1,600.65	1/4	1,233.68	1/4	867.07	1/4	500.58	1/4	164.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,593.00	1/2	1,226.03	1/2	859.44	1/2	493.07	1/2	157.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,585.36	3/4	1,218.39	3/4	851.80	3/4	485.56	3/4	151.30	3/4		3/4		3/4		3/4		3/4	
10	1,577.71	10	1,210.74	10	844.17	10	478.05	10	144.89	10		10		10		10		10	
1/4	1,570.07	1/4	1,203.10	1/4	836.54	1/4	470.54	1/4	138.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,562.42	1/2	1,195.45	1/2	828.91	1/2	463.13	1/2	132.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,554.78	3/4	1,187.81	3/4	821.28	3/4	455.71	3/4	125.81	3/4		3/4		3/4		3/4		3/4	
11	1,547.13	11	1,180.16	11	813.65	11	448.29	11	119.49	11		11		11		11		11	
1/4	1,539.49	1/4	1,172.52	1/4	806.02	1/4	440.87	1/4	113.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,531.84	1/2	1,164.87	1/2	798.38	1/2	433.54	1/2	106.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,524.20	3/4	1,157.23	3/4	790.74	3/4	426.22	3/4	100.70	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/03/2014 CL
CALCULATED: 04/04/2014 CL
PRINTED: 04/05/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

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



BARGE "CTCo 338"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 3/4"

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
					4,550.79		4,233.33		3,895.91		3,551.68		3,207.44		2,863.21		2,518.79		2,174.36
1/4	1/4	1/4	4,544.39	1/4	4,226.50	1/4	3,888.74	1/4	3,544.51	1/4	3,200.27	1/4	2,856.04	1/4	2,511.62	1/4	2,167.18	1/4	2,167.18
1/2	1/2	1/2	4,538.00	1/2	4,219.67	1/2	3,881.57	1/2	3,537.33	1/2	3,193.10	1/2	2,848.87	1/2	2,504.44	1/2	2,160.01	1/2	2,160.01
3/4	3/4	3/4	4,531.60	3/4	4,212.85	3/4	3,874.40	3/4	3,530.16	3/4	3,185.93	3/4	2,841.70	3/4	2,497.26	3/4	2,152.83	3/4	2,152.83
1	1	1	4,525.18	1	4,205.98	1	3,867.23	1	3,522.99	1	3,178.75	1	2,834.52	1	2,490.09	1	2,145.66	1	2,145.66
1/4	1/4	1/4	4,833.53	1/4	4,518.75	1/4	4,199.10	1/4	3,860.06	1/4	3,515.82	1/4	3,171.58	1/4	2,827.35	1/4	2,482.91	1/4	2,138.48
1/2	1/2	1/2	4,827.85	1/2	4,512.33	1/2	4,192.23	1/2	3,852.88	1/2	3,508.65	1/2	3,164.41	1/2	2,820.17	1/2	2,475.74	1/2	2,131.30
3/4	3/4	3/4	4,822.17	3/4	4,505.90	3/4	4,185.36	3/4	3,845.71	3/4	3,501.48	3/4	3,157.24	3/4	2,813.00	3/4	2,468.56	3/4	2,124.13
2	2	2	4,815.41	2	4,499.42	2	4,178.44	2	3,838.54	2	3,494.30	2	3,150.07	2	2,805.82	2	2,461.39	2	2,116.95
1/4	1/4	1/4	4,808.66	1/4	4,492.94	1/4	4,171.53	1/4	3,831.37	1/4	3,487.13	1/4	3,142.90	1/4	2,798.64	1/4	2,454.21	1/4	2,109.78
1/2	1/2	1/2	4,801.90	1/2	4,486.47	1/2	4,164.61	1/2	3,824.20	1/2	3,479.96	1/2	3,135.72	1/2	2,791.47	1/2	2,447.03	1/2	2,102.60
3/4	3/4	3/4	4,795.15	3/4	4,479.99	3/4	4,157.70	3/4	3,817.03	3/4	3,472.79	3/4	3,128.55	3/4	2,784.29	3/4	2,439.86	3/4	2,095.43
3	3	3	4,788.03	3	4,473.46	3	4,150.75	3	3,809.85	3	3,465.62	3	3,121.38	3	2,777.12	3	2,432.68	3	2,088.25
1/4	1/4	1/4	4,780.92	1/4	4,466.93	1/4	4,143.81	1/4	3,802.68	1/4	3,458.45	1/4	3,114.21	1/4	2,769.94	1/4	2,425.51	1/4	2,081.07
1/2	1/2	1/2	4,773.80	1/2	4,460.40	1/2	4,136.86	1/2	3,795.51	1/2	3,451.27	1/2	3,107.04	1/2	2,762.77	1/2	2,418.33	1/2	2,073.90
3/4	3/4	3/4	4,766.69	3/4	4,453.87	3/4	4,129.91	3/4	3,788.34	3/4	3,444.10	3/4	3,099.87	3/4	2,755.59	3/4	2,411.16	3/4	2,066.72
4	4	4	4,759.58	4	4,447.31	4	4,122.94	4	3,781.17	4	3,436.93	4	3,092.69	4	2,748.41	4	2,403.98	4	2,059.55
1/4	1/4	1/4	4,752.46	1/4	4,440.74	1/4	4,115.96	1/4	3,774.00	1/4	3,429.76	1/4	3,085.52	1/4	2,741.24	1/4	2,396.81	1/4	2,052.37
1/2	1/2	1/2	4,745.35	1/2	4,434.18	1/2	4,108.98	1/2	3,766.83	1/2	3,422.59	1/2	3,078.35	1/2	2,734.06	1/2	2,389.63	1/2	2,045.20
3/4	3/4	3/4	4,738.23	3/4	4,427.62	3/4	4,102.00	3/4	3,759.65	3/4	3,415.42	3/4	3,071.18	3/4	2,726.89	3/4	2,382.45	3/4	2,038.02
5	5	5	4,731.12	5	4,421.02	5	4,094.99	5	3,748.48	5	3,408.25	5	3,064.01	5	2,719.71	5	2,375.28	5	2,030.84
1/4	1/4	1/4	4,724.00	1/4	4,414.42	1/4	4,087.98	1/4	3,745.31	1/4	3,401.07	1/4	3,056.84	1/4	2,712.54	1/4	2,368.10	1/4	2,023.67
1/2	1/2	1/2	4,716.89	1/2	4,407.81	1/2	4,080.98	1/2	3,738.14	1/2	3,393.90	1/2	3,049.67	1/2	2,705.36	1/2	2,360.93	1/2	2,016.49
3/4	3/4	3/4	4,709.78	3/4	4,401.21	3/4	4,073.97	3/4	3,730.97	3/4	3,386.73	3/4	3,042.49	3/4	2,698.18	3/4	2,353.75	3/4	2,009.32
6	6	6	4,703.11	6	4,394.58	6	4,066.92	6	3,723.80	6	3,379.56	6	3,035.32	6	2,691.01	6	2,346.58	6	2,002.14
1/4	1/4	1/4	4,696.45	1/4	4,387.95	1/4	4,059.88	1/4	3,716.62	1/4	3,372.39	1/4	3,028.15	1/4	2,683.83	1/4	2,339.40	1/4	1,994.97
1/2	1/2	1/2	4,689.78	1/2	4,381.32	1/2	4,052.83	1/2	3,709.45	1/2	3,365.22	1/2	3,020.98	1/2	2,676.66	1/2	2,332.22	1/2	1,987.79
3/4	3/4	3/4	4,683.11	3/4	4,374.69	3/4	4,045.78	3/4	3,702.28	3/4	3,358.04	3/4	3,013.81	3/4	2,669.48	3/4	2,325.05	3/4	1,980.61
7	7	7	4,676.88	7	4,368.02	7	4,038.70	7	3,695.11	7	3,350.87	7	3,006.64	7	2,662.31	7	2,317.87	7	1,973.44
1/4	1/4	1/4	4,670.65	1/4	4,361.36	1/4	4,031.62	1/4	3,687.94	1/4	3,343.70	1/4	2,999.46	1/4	2,655.13	1/4	2,310.70	1/4	1,966.26
1/2	1/2	1/2	4,664.42	1/2	4,354.70	1/2	4,024.54	1/2	3,680.77	1/2	3,336.53	1/2	2,992.29	1/2	2,647.95	1/2	2,303.52	1/2	1,959.09
3/4	3/4	3/4	4,658.19	3/4	4,348.03	3/4	4,017.46	3/4	3,673.59	3/4	3,329.36	3/4	2,985.12	3/4	2,640.78	3/4	2,296.35	3/4	1,951.91
8	8	8	4,651.92	8	4,341.34	8	4,010.35	8	3,666.42	8	3,322.19	8	2,977.95	8	2,633.60	8	2,289.17	8	1,944.74
1/4	1/4	1/4	4,645.66	1/4	4,334.64	1/4	4,003.24	1/4	3,659.25	1/4	3,315.01	1/4	2,970.78	1/4	2,626.43	1/4	2,281.99	1/4	1,937.56
1/2	1/2	1/2	4,639.40	1/2	4,327.95	1/2	3,996.12	1/2	3,652.08	1/2	3,307.84	1/2	2,963.61	1/2	2,619.25	1/2	2,274.82	1/2	1,930.38
3/4	3/4	3/4	4,633.14	3/4	4,321.25	3/4	3,989.01	3/4	3,644.91	3/4	3,300.67	3/4	2,956.43	3/4	2,612.08	3/4	2,267.64	3/4	1,923.21
9	9	9	4,626.84	9	4,314.53	9	3,981.87	9	3,637.74	9	3,293.50	9	2,949.26	9	2,604.90	9	2,260.47	9	1,916.03
1/4	1/4	1/4	4,620.55	1/4	4,307.80	1/4	3,974.72	1/4	3,630.56	1/4	3,286.33	1/4	2,942.09	1/4	2,597.72	1/4	2,253.29	1/4	1,908.86
1/2	1/2	1/2	4,614.25	1/2	4,301.07	1/2	3,967.58	1/2	3,623.39	1/2	3,279.16	1/2	2,934.92	1/2	2,590.55	1/2	2,246.12	1/2	1,901.68
3/4	3/4	3/4	4,607.96	3/4	4,294.35	3/4	3,960.44	3/4	3,616.22	3/4	3,271.98	3/4	2,927.75	3/4	2,583.37	3/4	2,238.94	3/4	1,894.51
10	10	10	4,601.63	10	4,287.59	10	3,953.27	10	3,609.05	10	3,264.81	10	2,920.58	10	2,576.20	10	2,231.76	10	1,887.33
1/4	1/4	1/4	4,595.29	1/4	4,280.83	1/4	3,946.10	1/4	3,601.88	1/4	3,257.64	1/4	2,913.40	1/4	2,569.02	1/4	2,224.59	1/4	1,880.15
1/2	1/2	1/2	4,588.96	1/2	4,274.07	1/2	3,938.94	1/2	3,594.71	1/2	3,250.47	1/2	2,906.23	1/2	2,561.85	1/2	2,217.41	1/2	1,872.98
3/4	3/4	3/4	4,582.63	3/4	4,267.31	3/4	3,931.77	3/4	3,587.54	3/4	3,243.30	3/4	2,899.06	3/4	2,554.67	3/4	2,210.24	3/4	1,865.80
11	11	11	4,576.27	11	4,260.52	11	3,924.60	11	3,580.36	11	3,236.13	11	2,891.89	11	2,547.49	11	2,203.06	11	1,858.63
1/4	1/4	1/4	4,569.91	1/4	4,253.73	1/4	3,917.43	1/4	3,573.19	1/4	3,228.96	1/4	2,884.72	1/4	2,540.32	1/4	2,195.89	1/4	1,851.45
1/2	1/2	1/2	4,563.54	1/2	4,246.94	1/2	3,910.26	1/2	3,566.02	1/2	3,221.78	1/2	2,877.55	1/2	2,533.14	1/2	2,188.71	1/2	1,844.28
3/4	3/4	3/4	4,557.18	3/4	4,240.15	3/4	3,903.09	3/4	3,558.85	3/4	3,214.61	3/4	2,870.38	3/4	2,525.97	3/4	2,181.53	3/4	1,837.10

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 TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 338"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 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	1,829.92	0	1,485.49	0	1,141.20	0	810.54	0	466.58	0	122.17	0		0		0		0	
1/4	1,822.75	1/4	1,478.32	1/4	1,134.16	1/4	803.52	1/4	459.40	1/4	115.00	1/4		1/4		1/4		1/4	
1/2	1,815.57	1/2	1,471.14	1/2	1,127.13	1/2	796.49	1/2	452.23	1/2	107.83	1/2		1/2		1/2		1/2	
3/4	1,808.40	3/4	1,463.96	3/4	1,120.10	3/4	789.47	3/4	445.05	3/4	100.66	3/4		3/4		3/4		3/4	
1	1,801.22	1	1,456.79	1	1,113.20	1	782.30	1	437.88	1	93.51	1		1		1		1	
1/4	1,794.05	1/4	1,449.61	1/4	1,106.31	1/4	775.12	1/4	430.70	1/4	86.35	1/4		1/4		1/4		1/4	
1/2	1,786.87	1/2	1,442.44	1/2	1,099.42	1/2	767.94	1/2	423.53	1/2	79.20	1/2		1/2		1/2		1/2	
3/4	1,779.69	3/4	1,435.26	3/4	1,092.53	3/4	760.77	3/4	416.35	3/4	72.05	3/4		3/4		3/4		3/4	
2	1,772.52	2	1,428.09	2	1,085.64	2	753.59	2	409.17	2	65.34	2		2		2		2	
1/4	1,765.34	1/4	1,420.91	1/4	1,078.75	1/4	746.42	1/4	402.00	1/4	58.63	1/4		1/4		1/4		1/4	
1/2	1,758.17	1/2	1,413.73	1/2	1,071.87	1/2	739.24	1/2	394.82	1/2	51.92	1/2		1/2		1/2		1/2	
3/4	1,750.99	3/4	1,406.56	3/4	1,064.98	3/4	732.07	3/4	387.65	3/4	45.21	3/4		3/4		3/4		3/4	
3	1,743.82	3	1,399.38	3	1,058.10	3	724.89	3	380.47	3	39.83	3		3		3		3	
1/4	1,736.64	1/4	1,392.21	1/4	1,051.22	1/4	717.72	1/4	373.30	1/4	34.45	1/4		1/4		1/4		1/4	
1/2	1,729.46	1/2	1,385.03	1/2	1,044.35	1/2	710.54	1/2	366.12	1/2	29.07	1/2		1/2		1/2		1/2	
3/4	1,722.29	3/4	1,377.86	3/4	1,037.47	3/4	703.37	3/4	358.95	3/4	23.69	3/4		3/4		3/4		3/4	
4	1,715.11	4	1,370.68	4	1,030.59	4	696.19	4	351.77	4	0	4		4		4		4	
1/4	1,707.94	1/4	1,363.50	1/4	1,023.72	1/4	689.02	1/4	344.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,700.76	1/2	1,356.33	1/2	1,016.84	1/2	681.84	1/2	337.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,693.59	3/4	1,349.15	3/4	1,009.97	3/4	674.66	3/4	330.25	3/4		3/4		3/4		3/4		3/4	
5	1,686.41	5	1,341.98	5	1,003.09	5	667.49	5	323.07	5		5		5		5		5	
1/4	1,679.24	1/4	1,334.80	1/4	996.22	1/4	660.31	1/4	315.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,672.06	1/2	1,327.63	1/2	989.35	1/2	653.14	1/2	308.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,664.88	3/4	1,320.45	3/4	982.48	3/4	645.96	3/4	301.54	3/4		3/4		3/4		3/4		3/4	
6	1,657.71	6	1,313.27	6	975.61	6	638.79	6	294.37	6		6		6		6		6	
1/4	1,650.53	1/4	1,306.10	1/4	968.74	1/4	631.61	1/4	287.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,643.36	1/2	1,298.92	1/2	961.87	1/2	624.44	1/2	280.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,636.18	3/4	1,291.75	3/4	954.99	3/4	617.26	3/4	272.84	3/4		3/4		3/4		3/4		3/4	
7	1,629.01	7	1,284.57	7	948.12	7	610.09	7	265.67	7		7		7		7		7	
1/4	1,621.83	1/4	1,277.40	1/4	941.25	1/4	602.91	1/4	258.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,614.65	1/2	1,270.22	1/2	934.38	1/2	595.74	1/2	251.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,607.48	3/4	1,263.04	3/4	927.51	3/4	588.56	3/4	244.14	3/4		3/4		3/4		3/4		3/4	
8	1,600.30	8	1,255.87	8	920.64	8	581.38	8	236.97	8		8		8		8		8	
1/4	1,593.13	1/4	1,248.69	1/4	913.77	1/4	574.21	1/4	229.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,585.95	1/2	1,241.52	1/2	906.89	1/2	567.03	1/2	222.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,578.78	3/4	1,234.34	3/4	900.02	3/4	559.86	3/4	215.44	3/4		3/4		3/4		3/4		3/4	
9	1,571.60	9	1,227.17	9	893.15	9	552.68	9	208.26	9		9		9		9		9	
1/4	1,564.42	1/4	1,219.99	1/4	886.28	1/4	545.51	1/4	201.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,557.25	1/2	1,212.81	1/2	879.41	1/2	538.33	1/2	193.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,550.07	3/4	1,205.64	3/4	872.54	3/4	531.16	3/4	186.74	3/4		3/4		3/4		3/4		3/4	
10	1,542.90	10	1,198.46	10	865.66	10	523.98	10	179.56	10		10		10		10		10	
1/4	1,535.72	1/4	1,191.29	1/4	858.79	1/4	516.81	1/4	172.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,528.55	1/2	1,184.11	1/2	851.92	1/2	509.63	1/2	165.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,521.37	3/4	1,176.94	3/4	845.05	3/4	502.45	3/4	158.04	3/4		3/4		3/4		3/4		3/4	
11	1,514.19	11	1,169.76	11	838.18	11	495.28	11	150.86	11		11		11		11		11	
1/4	1,507.02	1/4	1,162.58	1/4	831.31	1/4	488.10	1/4	143.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,499.84	1/2	1,155.41	1/2	824.44	1/2	480.93	1/2	136.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,492.67	3/4	1,148.23	3/4	817.56	3/4	473.75	3/4	129.34	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/03/2014 CL
CALCULATED: 04/04/2014 CL
PRINTED: 04/05/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTCo 338"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 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	4,564.70	0	4,247.24	0	3,909.82	0	3,565.59	0	3,221.35	0	2,877.12	0	2,532.70	0	2,188.27
1/4		1/4		1/4	4,558.30	1/4	4,240.41	1/4	3,902.65	1/4	3,558.42	1/4	3,214.18	1/4	2,869.95	1/4	2,525.53	1/4	2,181.09
1/2		1/2		1/2	4,551.91	1/2	4,233.58	1/2	3,895.48	1/2	3,551.24	1/2	3,207.01	1/2	2,862.78	1/2	2,518.35	1/2	2,173.92
3/4		3/4		3/4	4,545.51	3/4	4,226.76	3/4	3,888.31	3/4	3,544.07	3/4	3,199.84	3/4	2,855.61	3/4	2,511.18	3/4	2,166.74
1		1		1	4,539.09	1	4,219.89	1	3,881.14	1	3,536.90	1	3,192.66	1	2,848.43	1	2,504.00	1	2,159.57
1/4		1/4	4,847.44	1/4	4,532.66	1/4	4,213.01	1/4	3,873.97	1/4	3,529.73	1/4	3,185.49	1/4	2,841.26	1/4	2,496.82	1/4	2,152.39
1/2		1/2	4,841.76	1/2	4,526.24	1/2	4,206.14	1/2	3,866.79	1/2	3,522.56	1/2	3,178.32	1/2	2,834.08	1/2	2,489.65	1/2	2,145.21
3/4		3/4	4,836.08	3/4	4,519.81	3/4	4,199.27	3/4	3,859.62	3/4	3,515.39	3/4	3,171.15	3/4	2,826.91	3/4	2,482.47	3/4	2,138.04
2		2	4,829.32	2	4,513.33	2	4,192.35	2	3,852.45	2	3,508.21	2	3,163.98	2	2,819.73	2	2,475.30	2	2,130.86
1/4		1/4	4,822.57	1/4	4,506.85	1/4	4,185.44	1/4	3,845.28	1/4	3,501.04	1/4	3,156.81	1/4	2,812.55	1/4	2,468.12	1/4	2,123.69
1/2		1/2	4,815.81	1/2	4,500.38	1/2	4,178.52	1/2	3,838.11	1/2	3,493.87	1/2	3,149.63	1/2	2,805.38	1/2	2,460.95	1/2	2,116.51
3/4		3/4	4,809.06	3/4	4,493.90	3/4	4,171.61	3/4	3,830.94	3/4	3,486.70	3/4	3,142.46	3/4	2,798.20	3/4	2,453.77	3/4	2,109.34
3		3	4,801.94	3	4,487.37	3	4,164.66	3	3,823.76	3	3,479.53	3	3,135.29	3	2,791.03	3	2,446.59	3	2,102.16
1/4		1/4	4,794.83	1/4	4,480.84	1/4	4,157.72	1/4	3,816.59	1/4	3,472.36	1/4	3,128.12	1/4	2,783.85	1/4	2,439.42	1/4	2,094.99
1/2		1/2	4,787.71	1/2	4,474.31	1/2	4,150.77	1/2	3,809.42	1/2	3,465.18	1/2	3,120.95	1/2	2,776.68	1/2	2,432.24	1/2	2,087.81
3/4		3/4	4,780.60	3/4	4,467.78	3/4	4,143.82	3/4	3,802.25	3/4	3,458.01	3/4	3,113.78	3/4	2,769.50	3/4	2,425.07	3/4	2,080.63
4		4	4,773.49	4	4,461.22	4	4,136.85	4	3,795.08	4	3,450.84	4	3,106.60	4	2,762.33	4	2,417.89	4	2,073.46
1/4		1/4	4,766.37	1/4	4,454.65	1/4	4,129.87	1/4	3,787.91	1/4	3,443.67	1/4	3,099.43	1/4	2,755.15	1/4	2,410.72	1/4	2,066.28
1/2		1/2	4,759.26	1/2	4,448.09	1/2	4,122.89	1/2	3,780.74	1/2	3,436.50	1/2	3,092.26	1/2	2,747.97	1/2	2,403.54	1/2	2,059.11
3/4		3/4	4,752.14	3/4	4,441.53	3/4	4,115.91	3/4	3,773.56	3/4	3,429.33	3/4	3,085.09	3/4	2,740.80	3/4	2,396.36	3/4	2,051.93
5		5	4,745.03	5	4,434.93	5	4,108.90	5	3,766.39	5	3,422.16	5	3,077.92	5	2,733.62	5	2,389.19	5	2,044.76
1/4		1/4	4,737.91	1/4	4,428.33	1/4	4,101.89	1/4	3,759.22	1/4	3,414.98	1/4	3,070.75	1/4	2,726.45	1/4	2,382.01	1/4	2,037.58
1/2		1/2	4,730.80	1/2	4,421.73	1/2	4,094.89	1/2	3,752.05	1/2	3,407.81	1/2	3,063.58	1/2	2,719.27	1/2	2,374.84	1/2	2,030.40
3/4		3/4	4,723.69	3/4	4,415.12	3/4	4,087.88	3/4	3,744.88	3/4	3,400.64	3/4	3,056.40	3/4	2,712.10	3/4	2,367.66	3/4	2,023.23
6		6	4,717.02	6	4,408.49	6	4,080.83	6	3,737.71	6	3,393.47	6	3,049.23	6	2,704.92	6	2,360.49	6	2,016.05
1/4		1/4	4,710.36	1/4	4,401.86	1/4	4,073.79	1/4	3,730.53	1/4	3,386.30	1/4	3,042.06	1/4	2,697.74	1/4	2,353.31	1/4	2,008.88
1/2		1/2	4,703.69	1/2	4,395.23	1/2	4,066.74	1/2	3,723.36	1/2	3,379.13	1/2	3,034.89	1/2	2,690.57	1/2	2,346.13	1/2	2,001.70
3/4		3/4	4,697.02	3/4	4,388.60	3/4	4,059.70	3/4	3,716.19	3/4	3,371.95	3/4	3,027.72	3/4	2,683.39	3/4	2,338.96	3/4	1,994.53
7		7	4,690.79	7	4,381.93	7	4,052.61	7	3,709.02	7	3,364.78	7	3,020.55	7	2,676.22	7	2,331.78	7	1,987.35
1/4		1/4	4,684.56	1/4	4,375.27	1/4	4,045.53	1/4	3,701.85	1/4	3,357.61	1/4	3,013.37	1/4	2,669.04	1/4	2,324.61	1/4	1,980.17
1/2		1/2	4,678.33	1/2	4,368.61	1/2	4,038.45	1/2	3,694.68	1/2	3,350.44	1/2	3,006.20	1/2	2,661.87	1/2	2,317.43	1/2	1,973.00
3/4		3/4	4,672.10	3/4	4,361.94	3/4	4,031.37	3/4	3,687.50	3/4	3,343.27	3/4	2,999.03	3/4	2,654.69	3/4	2,310.26	3/4	1,965.82
8		8	4,665.83	8	4,355.25	8	4,024.26	8	3,680.33	8	3,336.10	8	2,991.86	8	2,647.51	8	2,303.08	8	1,958.65
1/4		1/4	4,659.57	1/4	4,348.55	1/4	4,017.15	1/4	3,673.16	1/4	3,328.92	1/4	2,984.69	1/4	2,640.34	1/4	2,295.90	1/4	1,951.47
1/2		1/2	4,653.31	1/2	4,341.86	1/2	4,010.03	1/2	3,665.99	1/2	3,321.75	1/2	2,977.52	1/2	2,633.16	1/2	2,288.73	1/2	1,944.30
3/4		3/4	4,647.05	3/4	4,335.16	3/4	4,002.92	3/4	3,658.82	3/4	3,314.58	3/4	2,970.34	3/4	2,625.99	3/4	2,281.55	3/4	1,937.12
9		9	4,640.75	9	4,328.44	9	3,995.78	9	3,651.65	9	3,307.41	9	2,963.17	9	2,618.81	9	2,274.38	9	1,929.94
1/4		1/4	4,634.46	1/4	4,321.71	1/4	3,988.63	1/4	3,644.47	1/4	3,300.24	1/4	2,956.00	1/4	2,611.64	1/4	2,267.20	1/4	1,922.77
1/2		1/2	4,628.16	1/2	4,314.98	1/2	3,981.49	1/2	3,637.30	1/2	3,293.07	1/2	2,948.83	1/2	2,604.46	1/2	2,260.03	1/2	1,915.59
3/4		3/4	4,621.87	3/4	4,308.26	3/4	3,974.35	3/4	3,630.13	3/4	3,285.89	3/4	2,941.66	3/4	2,597.28	3/4	2,252.85	3/4	1,908.42
10		10	4,615.54	10	4,301.50	10	3,967.18	10	3,622.96	10	3,278.72	10	2,934.49	10	2,590.11	10	2,245.67	10	1,901.24
1/4		1/4	4,609.20	1/4	4,294.74	1/4	3,960.01	1/4	3,615.79	1/4	3,271.55	1/4	2,927.31	1/4	2,582.93	1/4	2,238.50	1/4	1,894.07
1/2		1/2	4,602.87	1/2	4,287.98	1/2	3,952.85	1/2	3,608.62	1/2	3,264.38	1/2	2,920.14	1/2	2,575.76	1/2	2,231.32	1/2	1,886.89
3/4		3/4	4,596.54	3/4	4,281.22	3/4	3,945.68	3/4	3,601.45	3/4	3,257.21	3/4	2,912.97	3/4	2,568.58	3/4	2,224.15	3/4	1,879.71
11		11	4,590.18	11	4,274.43	11	3,938.51	11	3,594.27	11	3,250.04	11	2,905.80	11	2,561.41	11	2,216.97	11	1,872.54
1/4		1/4	4,583.82	1/4	4,267.64	1/4	3,931.34	1/4	3,587.10	1/4	3,242.87	1/4	2,898.63	1/4	2,554.23	1/4	2,209.80	1/4	1,865.36
1/2		1/2	4,577.45	1/2	4,260.85	1/2	3,924.17	1/2	3,579.93	1/2	3,235.69	1/2	2,891.46	1/2	2,547.05	1/2	2,202.62	1/2	1,858.19
3/4		3/4	4,571.09	3/4	4,254.06	3/4	3,917.00	3/4	3,572.76	3/4	3,228.52	3/4	2,884.29	3/4	2,539.88	3/4	2,195.44	3/4	1,851.01

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 TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 338"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,843.84	0	1,499.40	0	1,154.97	0	810.98	0	466.58	0	122.17	0		0		0		0	
1/4	1,836.66	1/4	1,492.23	1/4	1,147.79	1/4	803.81	1/4	459.40	1/4	115.00	1/4		1/4		1/4		1/4	
1/2	1,829.48	1/2	1,485.05	1/2	1,140.62	1/2	796.64	1/2	452.23	1/2	107.83	1/2		1/2		1/2		1/2	
3/4	1,822.31	3/4	1,477.87	3/4	1,133.44	3/4	789.47	3/4	445.05	3/4	100.66	3/4		3/4		3/4		3/4	
1	1,815.13	1	1,470.70	1	1,126.27	1	782.30	1	437.88	1	93.50	1		1		1		1	
1/4	1,807.96	1/4	1,463.52	1/4	1,119.09	1/4	775.12	1/4	430.70	1/4	86.35	1/4		1/4		1/4		1/4	
1/2	1,800.78	1/2	1,456.35	1/2	1,111.91	1/2	767.94	1/2	423.53	1/2	79.20	1/2		1/2		1/2		1/2	
3/4	1,793.61	3/4	1,449.17	3/4	1,104.74	3/4	760.77	3/4	416.35	3/4	72.05	3/4		3/4		3/4		3/4	
2	1,786.43	2	1,442.00	2	1,097.57	2	753.59	2	409.17	2	65.34	2		2		2		2	
1/4	1,779.25	1/4	1,434.82	1/4	1,090.39	1/4	746.42	1/4	402.00	1/4	58.63	1/4		1/4		1/4		1/4	
1/2	1,772.08	1/2	1,427.64	1/2	1,083.22	1/2	739.24	1/2	394.82	1/2	51.92	1/2		1/2		1/2		1/2	
3/4	1,764.90	3/4	1,420.47	3/4	1,076.05	3/4	732.07	3/4	387.65	3/4	45.21	3/4		3/4		3/4		3/4	
3	1,757.73	3	1,413.29	3	1,068.88	3	724.89	3	380.47	3	39.83	3		3		3		3	
1/4	1,750.55	1/4	1,406.12	1/4	1,061.71	1/4	717.72	1/4	373.30	1/4	34.45	1/4		1/4		1/4		1/4	
1/2	1,743.38	1/2	1,398.94	1/2	1,054.54	1/2	710.54	1/2	366.12	1/2	29.07	1/2		1/2		1/2		1/2	
3/4	1,736.20	3/4	1,391.77	3/4	1,047.37	3/4	703.37	3/4	358.95	3/4	23.69	3/4		3/4		3/4		3/4	
4	1,729.02	4	1,384.59	4	1,040.20	4	696.19	4	351.77	4	0	4		4		4		4	
1/4	1,721.85	1/4	1,377.42	1/4	1,033.03	1/4	689.01	1/4	344.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,714.67	1/2	1,370.24	1/2	1,025.87	1/2	681.84	1/2	337.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,707.50	3/4	1,363.06	3/4	1,018.70	3/4	674.66	3/4	330.24	3/4		3/4		3/4		3/4		3/4	
5	1,700.32	5	1,355.89	5	1,011.54	5	667.49	5	323.07	5		5		5		5		5	
1/4	1,693.15	1/4	1,348.71	1/4	1,004.38	1/4	660.31	1/4	315.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,685.97	1/2	1,341.54	1/2	997.21	1/2	653.14	1/2	308.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,678.79	3/4	1,334.36	3/4	990.05	3/4	645.96	3/4	301.54	3/4		3/4		3/4		3/4		3/4	
6	1,671.62	6	1,327.19	6	982.89	6	638.79	6	294.37	6		6		6		6		6	
1/4	1,664.44	1/4	1,320.01	1/4	975.73	1/4	631.61	1/4	287.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,657.27	1/2	1,312.83	1/2	968.56	1/2	624.44	1/2	280.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,650.09	3/4	1,305.66	3/4	961.40	3/4	617.26	3/4	272.84	3/4		3/4		3/4		3/4		3/4	
7	1,642.92	7	1,298.48	7	954.24	7	610.09	7	265.67	7		7		7		7		7	
1/4	1,635.74	1/4	1,291.31	1/4	947.08	1/4	602.91	1/4	258.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,628.56	1/2	1,284.13	1/2	939.91	1/2	595.73	1/2	251.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,621.39	3/4	1,276.96	3/4	932.75	3/4	588.56	3/4	244.14	3/4		3/4		3/4		3/4		3/4	
8	1,614.21	8	1,269.78	8	925.59	8	581.38	8	236.96	8		8		8		8		8	
1/4	1,607.04	1/4	1,262.60	1/4	918.42	1/4	574.21	1/4	229.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,599.86	1/2	1,255.43	1/2	911.26	1/2	567.03	1/2	222.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,592.69	3/4	1,248.25	3/4	904.10	3/4	559.86	3/4	215.44	3/4		3/4		3/4		3/4		3/4	
9	1,585.51	9	1,241.08	9	896.94	9	552.68	9	208.26	9		9		9		9		9	
1/4	1,578.33	1/4	1,233.90	1/4	889.77	1/4	545.51	1/4	201.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,571.16	1/2	1,226.73	1/2	882.61	1/2	538.33	1/2	193.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,563.98	3/4	1,219.55	3/4	875.45	3/4	531.16	3/4	186.74	3/4		3/4		3/4		3/4		3/4	
10	1,556.81	10	1,212.37	10	868.29	10	523.98	10	179.56	10		10		10		10		10	
1/4	1,549.63	1/4	1,205.20	1/4	861.12	1/4	516.81	1/4	172.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,542.46	1/2	1,198.02	1/2	853.96	1/2	509.63	1/2	165.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,535.28	3/4	1,190.85	3/4	846.80	3/4	502.45	3/4	158.04	3/4		3/4		3/4		3/4		3/4	
11	1,528.10	11	1,183.67	11	839.63	11	495.28	11	150.86	11		11		11		11		11	
1/4	1,520.93	1/4	1,176.50	1/4	832.47	1/4	488.10	1/4	143.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,513.75	1/2	1,169.32	1/2	825.31	1/2	480.93	1/2	136.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,506.58	3/4	1,162.14	3/4	818.15	3/4	473.75	3/4	129.34	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/03/2014 CL
CALCULATED: 04/04/2014 CL
PRINTED: 04/05/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

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



BARGE "CTCo 338"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-2 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-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 "CTCo 338"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-2 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,902.43	0	1,538.15	0	1,174.71	0	820.38	0	455.91	0	91.49	0		0		0		0	
1/4	1,894.84	1/4	1,530.56	1/4	1,167.33	1/4	812.79	1/4	448.32	1/4	83.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,887.25	1/2	1,522.97	1/2	1,159.95	1/2	805.20	1/2	440.72	1/2	76.34	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,879.66	3/4	1,515.38	3/4	1,152.58	3/4	797.60	3/4	433.13	3/4	69.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,872.07	1	1,507.79	1	1,145.20	1	790.01	1	425.54	1	62.11	1	1	1	1	1	1	1	1
1/4	1,864.48	1/4	1,500.20	1/4	1,137.83	1/4	782.42	1/4	417.95	1/4	55.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,856.89	1/2	1,492.61	1/2	1,130.46	1/2	774.82	1/2	410.35	1/2	47.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,849.30	3/4	1,485.02	3/4	1,123.09	3/4	767.23	3/4	402.76	3/4	42.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,841.71	2	1,477.43	2	1,115.72	2	759.64	2	395.17	2	36.49	2	2	2	2	2	2	2	2
1/4	1,834.13	1/4	1,469.84	1/4	1,108.36	1/4	752.04	1/4	387.58	1/4	30.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,826.54	1/2	1,462.25	1/2	1,100.99	1/2	744.45	1/2	379.99	1/2	25.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,818.95	3/4	1,454.67	3/4	1,093.63	3/4	736.86	3/4	372.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,811.36	3	1,447.08	3	1,086.26	3	729.26	3	364.80	3		3	3	3	3	3	3	3	3
1/4	1,803.77	1/4	1,439.49	1/4	1,078.90	1/4	721.67	1/4	357.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,796.18	1/2	1,431.90	1/2	1,071.54	1/2	714.08	1/2	349.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,788.59	3/4	1,424.31	3/4	1,064.18	3/4	706.48	3/4	342.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,781.00	4	1,416.72	4	1,056.82	4	698.89	4	334.43	4		4	4	4	4	4	4	4	4
1/4	1,773.41	1/4	1,409.13	1/4	1,049.46	1/4	691.30	1/4	326.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,765.82	1/2	1,401.54	1/2	1,042.10	1/2	683.70	1/2	319.25	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,758.23	3/4	1,393.95	3/4	1,034.74	3/4	676.11	3/4	311.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,750.64	5	1,386.36	5	1,027.38	5	668.52	5	304.07	5		5	5	5	5	5	5	5	5
1/4	1,743.06	1/4	1,378.77	1/4	1,020.02	1/4	660.92	1/4	296.47	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,735.47	1/2	1,371.18	1/2	1,012.66	1/2	653.33	1/2	288.88	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,727.88	3/4	1,363.60	3/4	1,005.30	3/4	645.74	3/4	281.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,720.29	6	1,356.01	6	997.94	6	638.14	6	273.70	6		6	6	6	6	6	6	6	6
1/4	1,712.70	1/4	1,348.42	1/4	990.59	1/4	630.55	1/4	266.11	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,705.11	1/2	1,340.83	1/2	983.23	1/2	622.96	1/2	258.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,697.52	3/4	1,333.24	3/4	975.87	3/4	615.36	3/4	250.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,689.93	7	1,325.65	7	968.51	7	607.77	7	243.33	7		7	7	7	7	7	7	7	7
1/4	1,682.34	1/4	1,318.06	1/4	961.15	1/4	600.18	1/4	235.73	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,674.75	1/2	1,310.47	1/2	953.79	1/2	592.58	1/2	228.14	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,667.16	3/4	1,302.88	3/4	946.43	3/4	584.99	3/4	220.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,659.57	8	1,295.29	8	939.07	8	577.40	8	212.96	8		8	8	8	8	8	8	8	8
1/4	1,651.98	1/4	1,287.70	1/4	931.71	1/4	569.80	1/4	205.36	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,644.40	1/2	1,280.11	1/2	924.35	1/2	562.21	1/2	197.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,636.81	3/4	1,272.52	3/4	916.99	3/4	554.62	3/4	190.17	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,629.22	9	1,264.94	9	909.63	9	547.02	9	182.58	9		9	9	9	9	9	9	9	9
1/4	1,621.63	1/4	1,257.35	1/4	902.27	1/4	539.43	1/4	174.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,614.04	1/2	1,249.76	1/2	894.91	1/2	531.84	1/2	167.39	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,606.45	3/4	1,242.17	3/4	887.55	3/4	524.24	3/4	159.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,598.86	10	1,234.58	10	880.20	10	516.65	10	152.20	10		10	10	10	10	10	10	10	10
1/4	1,591.27	1/4	1,226.99	1/4	872.84	1/4	509.06	1/4	144.61	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,583.68	1/2	1,219.40	1/2	865.48	1/2	501.46	1/2	137.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,576.09	3/4	1,211.92	3/4	858.00	3/4	493.87	3/4	129.43	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,568.50	11	1,204.43	11	850.52	11	486.28	11	121.83	11		11	11	11	11	11	11	11	11
1/4	1,560.91	1/4	1,196.95	1/4	843.05	1/4	478.68	1/4	114.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,553.33	1/2	1,189.46	1/2	835.57	1/2	471.09	1/2	106.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,545.74	3/4	1,182.09	3/4	827.98	3/4	463.50	3/4	99.07	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/03/2014 CL
CALCULATED: 04/04/2014 CL
PRINTED: 04/05/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CTCo 338"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 1/4"

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	4,461.19	0	4,228.22	0	3,980.86	0	3,729.00	0	3,395.82	0	3,031.64	0	2,667.18	0	2,302.39		
1/4	1/4	1/4	4,456.51	1/4	4,223.22	1/4	3,975.61	1/4	3,723.76	1/4	3,388.25	1/4	3,024.04	1/4	2,659.59	1/4	2,294.79				
1/2	1/2	1/2	4,451.80	1/2	4,218.20	1/2	3,970.36	1/2	3,718.51	1/2	3,380.68	1/2	3,016.45	1/2	2,651.99	1/2	2,287.19				
3/4	3/4	3/4	4,676.13	3/4	4,447.10	3/4	4,213.17	3/4	3,965.11	3/4	3,713.26	3/4	3,373.11	3/4	3,008.86	3/4	2,644.39	3/4	2,279.59		
1	1	1	4,672.44	1	4,442.40	1	4,208.14	1	3,959.87	1	3,708.02	1	3,365.54	1	3,001.27	1	2,636.79	1	2,271.99		
1/4	1/4	1/4	4,668.75	1/4	4,437.69	1/4	4,203.11	1/4	3,954.62	1/4	3,702.77	1/4	3,357.97	1/4	2,993.67	1/4	2,629.19	1/4	2,264.39		
1/2	1/2	1/2	4,663.92	1/2	4,432.95	1/2	4,198.05	1/2	3,949.37	1/2	3,697.52	1/2	3,350.39	1/2	2,986.08	1/2	2,621.59	1/2	2,256.79		
3/4	3/4	3/4	4,659.10	3/4	4,428.21	3/4	4,192.99	3/4	3,944.13	3/4	3,692.28	3/4	3,342.81	3/4	2,978.49	3/4	2,613.99	3/4	2,249.19		
2	2	2	4,654.27	2	4,423.47	2	4,187.93	2	3,938.88	2	3,687.03	2	3,335.23	2	2,970.90	2	2,606.39	2	2,241.59		
1/4	1/4	1/4	4,649.44	1/4	4,418.73	1/4	4,182.88	1/4	3,933.63	1/4	3,681.78	1/4	3,327.65	1/4	2,963.30	1/4	2,598.79	1/4	2,233.99		
1/2	1/2	1/2	4,644.23	1/2	4,413.95	1/2	4,177.79	1/2	3,928.39	1/2	3,675.95	1/2	3,320.06	1/2	2,955.71	1/2	2,591.19	1/2	2,226.39		
3/4	3/4	3/4	4,639.02	3/4	4,409.17	3/4	4,172.71	3/4	3,923.14	3/4	3,670.11	3/4	3,312.47	3/4	2,948.12	3/4	2,583.59	3/4	2,218.79		
3	3	3	4,633.82	3	4,404.39	3	4,167.63	3	3,917.89	3	3,664.28	3	3,304.88	3	2,940.52	3	2,575.99	3	2,211.19		
1/4	1/4	1/4	4,628.61	1/4	4,399.61	1/4	4,162.55	1/4	3,912.65	1/4	3,658.45	1/4	3,297.29	1/4	2,932.93	1/4	2,568.39	1/4	2,203.59		
1/2	1/2	1/2	4,623.40	1/2	4,394.81	1/2	4,157.44	1/2	3,907.40	1/2	3,651.45	1/2	3,289.70	1/2	2,925.34	1/2	2,560.79	1/2	2,195.99		
3/4	3/4	3/4	4,618.19	3/4	4,390.01	3/4	4,152.34	3/4	3,902.15	3/4	3,644.46	3/4	3,282.11	3/4	2,917.75	3/4	2,553.19	3/4	2,188.39		
4	4	4	4,612.99	4	4,385.20	4	4,147.23	4	3,896.90	4	3,637.46	4	3,274.52	4	2,910.15	4	2,545.59	4	2,180.79		
1/4	1/4	1/4	4,607.78	1/4	4,380.40	1/4	4,142.13	1/4	3,891.66	1/4	3,630.47	1/4	3,266.93	1/4	2,902.56	1/4	2,537.99	1/4	2,173.19		
1/2	1/2	1/2	4,602.57	1/2	4,375.57	1/2	4,137.00	1/2	3,886.41	1/2	3,622.90	1/2	3,259.34	1/2	2,894.97	1/2	2,530.39	1/2	2,165.59		
3/4	3/4	3/4	4,597.36	3/4	4,370.74	3/4	4,131.87	3/4	3,881.16	3/4	3,615.33	3/4	3,251.75	3/4	2,887.38	3/4	2,522.79	3/4	2,157.99		
5	5	5	4,592.15	5	4,365.91	5	4,126.74	5	3,875.92	5	3,607.76	5	3,244.16	5	2,879.78	5	2,515.19	5	2,150.39		
1/4	1/4	1/4	4,586.95	1/4	4,361.08	1/4	4,121.61	1/4	3,870.67	1/4	3,600.19	1/4	3,236.57	1/4	2,872.19	1/4	2,507.59	1/4	2,142.79		
1/2	1/2	1/2	4,582.07	1/2	4,356.22	1/2	4,116.46	1/2	3,865.42	1/2	3,592.62	1/2	3,228.98	1/2	2,864.60	1/2	2,499.99	1/2	2,135.19		
3/4	3/4	3/4	4,577.19	3/4	4,351.37	3/4	4,111.30	3/4	3,860.18	3/4	3,585.05	3/4	3,221.39	3/4	2,857.00	3/4	2,492.39	3/4	2,127.59		
6	6	6	4,572.31	6	4,346.52	6	4,106.15	6	3,854.93	6	3,577.48	6	3,213.80	6	2,849.41	6	2,484.79	6	2,119.99		
1/4	1/4	1/4	4,567.43	1/4	4,341.66	1/4	4,101.00	1/4	3,849.68	1/4	3,569.91	1/4	3,206.21	1/4	2,841.82	1/4	2,477.19	1/4	2,112.39		
1/2	1/2	1/2	4,562.87	1/2	4,336.79	1/2	4,095.82	1/2	3,844.44	1/2	3,562.34	1/2	3,198.62	1/2	2,834.23	1/2	2,469.59	1/2	2,104.79		
3/4	3/4	3/4	4,558.30	3/4	4,331.91	3/4	4,090.63	3/4	3,839.19	3/4	3,554.77	3/4	3,191.03	3/4	2,826.63	3/4	2,461.99	3/4	2,097.19		
7	7	7	4,553.74	7	4,327.03	7	4,085.45	7	3,833.94	7	3,547.20	7	3,183.44	7	2,819.04	7	2,454.39	7	2,089.59		
1/4	1/4	1/4	4,549.18	1/4	4,322.16	1/4	4,080.27	1/4	3,828.70	1/4	3,539.63	1/4	3,175.85	1/4	2,811.45	1/4	2,446.79	1/4	2,081.99		
1/2	1/2	1/2	4,544.60	1/2	4,317.26	1/2	4,075.07	1/2	3,823.45	1/2	3,532.07	1/2	3,168.26	1/2	2,803.86	1/2	2,439.19	1/2	2,074.39		
3/4	3/4	3/4	4,540.01	3/4	4,312.36	3/4	4,069.87	3/4	3,818.20	3/4	3,524.50	3/4	3,160.67	3/4	2,796.26	3/4	2,431.59	3/4	2,066.79		
8	8	8	4,535.43	8	4,307.46	8	4,064.66	8	3,812.95	8	3,516.93	8	3,153.08	8	2,788.67	8	2,423.99	8	2,059.19		
1/4	1/4	1/4	4,530.84	1/4	4,302.56	1/4	4,059.46	1/4	3,807.71	1/4	3,509.36	1/4	3,145.49	1/4	2,781.08	1/4	2,416.39	1/4	2,051.59		
1/2	1/2	1/2	4,526.23	1/2	4,297.64	1/2	4,054.23	1/2	3,802.46	1/2	3,501.79	1/2	3,137.90	1/2	2,773.49	1/2	2,408.79	1/2	2,043.99		
3/4	3/4	3/4	4,521.63	3/4	4,292.71	3/4	4,049.01	3/4	3,797.21	3/4	3,494.22	3/4	3,130.31	3/4	2,765.89	3/4	2,401.19	3/4	2,036.39		
9	9	9	4,517.02	9	4,287.79	9	4,043.78	9	3,791.97	9	3,486.65	9	3,122.72	9	2,758.30	9	2,393.59	9	2,028.79		
1/4	1/4	1/4	4,512.41	1/4	4,282.87	1/4	4,038.55	1/4	3,786.72	1/4	3,479.08	1/4	3,115.13	1/4	2,750.71	1/4	2,385.99	1/4	2,021.19		
1/2	1/2	1/2	4,507.77	1/2	4,277.92	1/2	4,033.31	1/2	3,781.47	1/2	3,471.51	1/2	3,107.54	1/2	2,743.11	1/2	2,378.39	1/2	2,013.59		
3/4	3/4	3/4	4,503.14	3/4	4,272.97	3/4	4,028.07	3/4	3,776.23	3/4	3,463.94	3/4	3,099.95	3/4	2,735.52	3/4	2,370.79	3/4	2,005.99		
10	10	10	4,498.50	10	4,268.03	10	4,022.83	10	3,770.98	10	3,456.37	10	3,092.36	10	2,727.93	10	2,363.19	10	1,998.39		
1/4	1/4	1/4	4,493.87	1/4	4,263.08	1/4	4,017.58	1/4	3,765.73	1/4	3,448.80	1/4	3,084.77	1/4	2,720.34	1/4	2,355.59	1/4	1,990.79		
1/2	1/2	1/2	4,489.21	1/2	4,258.11	1/2	4,012.34	1/2	3,760.49	1/2	3,441.23	1/2	3,077.18	1/2	2,712.74	1/2	2,347.99	1/2	1,983.19		
3/4	3/4	3/4	4,484.55	3/4	4,253.14	3/4	4,007.09	3/4	3,755.24	3/4	3,433.66	3/4	3,069.59	3/4	2,705.15	3/4	2,340.39	3/4	1,975.59		
11	11	11	4,479.89	11	4,248.18	11	4,001.84	11	3,749.99	11	3,426.10	11	3,062.00	11	2,697.56	11	2,332.79	11	1,967.99		
1/4	1/4	1/4	4,475.23	1/4	4,243.21	1/4	3,996.60	1/4	3,744.74	1/4	3,418.53	1/4	3,054.41	1/4	2,689.97	1/4	2,325.19	1/4	1,960.39		
1/2	1/2	1/2	4,470.55	1/2	4,238.21	1/2	3,991.35	1/2	3,739.50	1/2	3,410.96	1/2	3,046.82	1/2	2,682.37	1/2	2,317.59	1/2	1,952.79		
3/4	3/4	3/4	4,465.87	3/4	4,233.22	3/4	3,986.10	3/4	3,734.25	3/4	3,403.39	3/4	3,039.23	3/4	2,674.78	3/4	2,309.99	3/4	1,945.19		

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 TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-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 "CTCo 338"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,937.59	0	1,572.79	0	1,207.99	0	843.73	0	478.95	0	114.18	0		0		0		0	
1/4	1,929.99	1/4	1,565.19	1/4	1,200.39	1/4	836.13	1/4	471.35	1/4	106.59	1/4		1/4		1/4		1/4	
1/2	1,922.39	1/2	1,557.59	1/2	1,192.79	1/2	828.54	1/2	463.75	1/2	99.01	1/2		1/2		1/2		1/2	
3/4	1,914.79	3/4	1,549.99	3/4	1,185.19	3/4	820.94	3/4	456.15	3/4	91.44	3/4		3/4		3/4		3/4	
1	1,907.19	1	1,542.39	1	1,177.59	1	813.34	1	448.55	1	83.86	1		1		1		1	
1/4	1,899.59	1/4	1,534.79	1/4	1,169.99	1/4	805.74	1/4	440.95	1/4	76.29	1/4		1/4		1/4		1/4	
1/2	1,891.99	1/2	1,527.19	1/2	1,162.39	1/2	798.14	1/2	433.35	1/2	69.18	1/2		1/2		1/2		1/2	
3/4	1,884.39	3/4	1,519.59	3/4	1,154.79	3/4	790.54	3/4	425.75	3/4	62.07	3/4		3/4		3/4		3/4	
2	1,876.79	2	1,511.99	2	1,147.20	2	782.94	2	418.15	2	54.97	2		2		2		2	
1/4	1,869.19	1/4	1,504.39	1/4	1,139.60	1/4	775.34	1/4	410.55	1/4	47.86	1/4		1/4		1/4		1/4	
1/2	1,861.59	1/2	1,496.79	1/2	1,132.01	1/2	767.74	1/2	402.95	1/2	42.16	1/2		1/2		1/2		1/2	
3/4	1,853.99	3/4	1,489.19	3/4	1,124.42	3/4	760.14	3/4	395.35	3/4	36.47	3/4		3/4		3/4		3/4	
3	1,846.39	3	1,481.59	3	1,116.83	3	752.54	3	387.75	3	30.77	3		3		3		3	
1/4	1,838.79	1/4	1,473.99	1/4	1,109.23	1/4	744.94	1/4	380.15	1/4	25.06	1/4		1/4		1/4		1/4	
1/2	1,831.19	1/2	1,466.39	1/2	1,101.64	1/2	737.34	1/2	372.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,823.59	3/4	1,458.79	3/4	1,094.06	3/4	729.74	3/4	364.95	3/4		3/4		3/4		3/4		3/4	
4	1,815.99	4	1,451.19	4	1,086.47	4	722.14	4	357.35	4		4		4		4		4	
1/4	1,808.39	1/4	1,443.59	1/4	1,078.88	1/4	714.54	1/4	349.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,800.79	1/2	1,435.99	1/2	1,071.29	1/2	706.94	1/2	342.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,793.19	3/4	1,428.39	3/4	1,063.71	3/4	699.34	3/4	334.55	3/4		3/4		3/4		3/4		3/4	
5	1,785.59	5	1,420.79	5	1,056.13	5	691.74	5	326.95	5		5		5		5		5	
1/4	1,777.99	1/4	1,413.19	1/4	1,048.54	1/4	684.14	1/4	319.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,770.39	1/2	1,405.59	1/2	1,040.96	1/2	676.54	1/2	311.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,762.79	3/4	1,397.99	3/4	1,033.37	3/4	668.94	3/4	304.16	3/4		3/4		3/4		3/4		3/4	
6	1,755.19	6	1,390.39	6	1,025.79	6	661.34	6	296.56	6		6		6		6		6	
1/4	1,747.59	1/4	1,382.79	1/4	1,018.20	1/4	653.74	1/4	288.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,739.99	1/2	1,375.19	1/2	1,010.62	1/2	646.14	1/2	281.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,732.39	3/4	1,367.59	3/4	1,003.03	3/4	638.54	3/4	273.76	3/4		3/4		3/4		3/4		3/4	
7	1,724.79	7	1,359.99	7	995.45	7	630.94	7	266.16	7		7		7		7		7	
1/4	1,717.19	1/4	1,352.39	1/4	987.86	1/4	623.34	1/4	258.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,709.59	1/2	1,344.79	1/2	980.28	1/2	615.74	1/2	250.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,701.99	3/4	1,337.19	3/4	972.69	3/4	608.14	3/4	243.36	3/4		3/4		3/4		3/4		3/4	
8	1,694.39	8	1,329.59	8	965.11	8	600.54	8	235.76	8		8		8		8		8	
1/4	1,686.79	1/4	1,321.99	1/4	957.52	1/4	592.94	1/4	228.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,679.19	1/2	1,314.39	1/2	949.94	1/2	585.34	1/2	220.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,671.59	3/4	1,306.79	3/4	942.35	3/4	577.74	3/4	212.96	3/4		3/4		3/4		3/4		3/4	
9	1,663.99	9	1,299.19	9	934.77	9	570.15	9	205.36	9		9		9		9		9	
1/4	1,656.39	1/4	1,291.59	1/4	927.19	1/4	562.55	1/4	197.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,648.79	1/2	1,283.99	1/2	919.60	1/2	554.95	1/2	190.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,641.19	3/4	1,276.39	3/4	912.02	3/4	547.35	3/4	182.56	3/4		3/4		3/4		3/4		3/4	
10	1,633.59	10	1,268.79	10	904.43	10	539.75	10	174.96	10		10		10		10		10	
1/4	1,625.99	1/4	1,261.19	1/4	896.85	1/4	532.15	1/4	167.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,618.39	1/2	1,253.59	1/2	889.26	1/2	524.55	1/2	159.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,610.79	3/4	1,245.99	3/4	881.68	3/4	516.95	3/4	152.16	3/4		3/4		3/4		3/4		3/4	
11	1,603.19	11	1,238.39	11	874.09	11	509.35	11	144.56	11		11		11		11		11	
1/4	1,595.59	1/4	1,230.79	1/4	866.51	1/4	501.75	1/4	136.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,587.99	1/2	1,223.19	1/2	858.91	1/2	494.15	1/2	129.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,580.39	3/4	1,215.59	3/4	851.32	3/4	486.55	3/4	121.78	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/03/2014 CL
CALCULATED: 04/04/2014 CL
PRINTED: 04/05/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

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