



BARGE "CTCo 354B"

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	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4
1 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4
2 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4
2 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4
3 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-6/8	- 00-6/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4
3 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 275'-03"

November 11, 2014

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

<http://www.pmacorp.net>



BARGE "CTCo 354B"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 3/4"

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	5,269.67	0	4,933.85	0	4,590.39	0	4,228.72	0	3,850.11	0	3,461.78	0	3,073.39	0	2,685.01	0	2,296.62
1/4	1/4	1/4	5,264.52	1/4	4,926.95	1/4	4,583.05	1/4	4,221.00	1/4	3,842.04	1/4	3,453.69	1/4	3,065.30	1/4	2,676.91	1/4	2,288.53
1/2	1/2	1/2	5,259.36	1/2	4,920.06	1/2	4,575.70	1/2	4,213.29	1/2	3,833.97	1/2	3,445.60	1/2	3,057.21	1/2	2,668.82	1/2	2,280.44
3/4	3/4	3/4	5,254.20	3/4	4,913.16	3/4	4,568.36	3/4	4,205.57	3/4	3,825.90	3/4	3,437.51	3/4	3,049.12	3/4	2,660.73	3/4	2,272.34
1		1	5,247.02	1	4,906.13	1	4,560.98	1	4,197.83	1	3,817.80	1	3,429.41	1	3,041.03	1	2,652.64	1	2,264.25
1/4	1/4	1/4	5,239.84	1/4	4,899.10	1/4	4,553.61	1/4	4,190.08	1/4	3,809.71	1/4	3,421.32	1/4	3,032.94	1/4	2,644.55	1/4	2,256.16
1/2	1/2	1/2	5,232.66	1/2	4,892.07	1/2	4,546.24	1/2	4,182.34	1/2	3,801.62	1/2	3,413.23	1/2	3,024.84	1/2	2,636.46	1/2	2,248.07
3/4	3/4	3/4	5,225.48	3/4	4,885.04	3/4	4,538.86	3/4	4,174.60	3/4	3,793.53	3/4	3,405.14	3/4	3,016.75	3/4	2,628.37	3/4	2,239.98
2		2	5,217.80	2	4,877.98	2	4,531.46	2	4,166.82	2	3,785.44	2	3,397.05	2	3,008.66	2	2,620.27	2	2,231.89
1/4	1/4	1/4	5,210.11	1/4	4,870.92	1/4	4,524.06	1/4	4,159.05	1/4	3,777.34	1/4	3,388.96	1/4	3,000.57	1/4	2,612.18	1/4	2,223.80
1/2	1/2	1/2	5,202.43	1/2	4,863.87	1/2	4,516.65	1/2	4,151.28	1/2	3,769.25	1/2	3,380.87	1/2	2,992.48	1/2	2,604.09	1/2	2,215.70
3/4	3/4	3/4	5,194.74	3/4	4,856.81	3/4	4,509.25	3/4	4,143.51	3/4	3,761.16	3/4	3,372.77	3/4	2,984.39	3/4	2,596.00	3/4	2,207.61
3		3	5,187.05	3	4,849.72	3	4,501.79	3	4,135.70	3	3,753.07	3	3,364.68	3	2,976.30	3	2,587.91	3	2,199.52
1/4	1/4	1/4	5,179.37	1/4	4,842.64	1/4	4,494.33	1/4	4,127.89	1/4	3,744.98	1/4	3,356.59	1/4	2,968.20	1/4	2,579.82	1/4	2,191.43
1/2	1/2	1/2	5,171.68	1/2	4,835.55	1/2	4,486.88	1/2	4,120.08	1/2	3,736.89	1/2	3,348.50	1/2	2,960.11	1/2	2,571.73	1/2	2,183.34
3/4	3/4	3/4	5,164.00	3/4	4,828.46	3/4	4,479.42	3/4	4,112.27	3/4	3,728.80	3/4	3,340.41	3/4	2,952.02	3/4	2,563.63	3/4	2,175.25
4		4	5,156.34	4	4,821.35	4	4,471.92	4	4,104.43	4	3,720.70	4	3,332.32	4	2,943.93	4	2,555.54	4	2,167.16
1/4	1/4	1/4	5,148.68	1/4	4,814.23	1/4	4,464.43	1/4	4,096.59	1/4	3,712.61	1/4	3,324.23	1/4	2,935.84	1/4	2,547.45	1/4	2,159.06
1/2	1/2	1/2	5,141.02	1/2	4,807.12	1/2	4,456.94	1/2	4,088.75	1/2	3,704.52	1/2	3,316.13	1/2	2,927.75	1/2	2,539.36	1/2	2,150.97
3/4	3/4	3/4	5,133.36	3/4	4,800.00	3/4	4,449.44	3/4	4,080.91	3/4	3,696.43	3/4	3,308.04	3/4	2,919.66	3/4	2,531.27	3/4	2,142.88
5		5	5,125.71	5	4,792.86	5	4,441.92	5	4,073.04	5	3,688.34	5	3,299.95	5	2,911.56	5	2,523.18	5	2,134.79
1/4	1/4	1/4	5,118.05	1/4	4,785.71	1/4	4,434.39	1/4	4,065.17	1/4	3,680.25	1/4	3,291.86	1/4	2,903.47	1/4	2,515.09	1/4	2,126.70
1/2	1/2	1/2	5,110.40	1/2	4,778.57	1/2	4,426.87	1/2	4,057.31	1/2	3,672.16	1/2	3,283.77	1/2	2,895.38	1/2	2,506.99	1/2	2,118.61
3/4	3/4	3/4	5,102.75	3/4	4,771.42	3/4	4,419.35	3/4	4,049.44	3/4	3,664.06	3/4	3,275.68	3/4	2,887.29	3/4	2,498.90	3/4	2,110.52
6		6	5,095.10	6	4,764.26	6	4,411.79	6	4,041.54	6	3,655.97	6	3,267.59	6	2,879.20	6	2,490.81	6	2,102.42
1/4	1/4	1/4	5,087.45	1/4	4,757.09	1/4	4,404.24	1/4	4,033.64	1/4	3,647.88	1/4	3,259.49	1/4	2,871.11	1/4	2,482.72	1/4	2,094.33
1/2	1/2	1/2	5,079.80	1/2	4,749.93	1/2	4,396.69	1/2	4,025.75	1/2	3,639.79	1/2	3,251.40	1/2	2,863.02	1/2	2,474.63	1/2	2,086.24
3/4	3/4	3/4	5,072.14	3/4	4,742.76	3/4	4,389.14	3/4	4,017.85	3/4	3,631.70	3/4	3,243.31	3/4	2,854.92	3/4	2,466.54	3/4	2,078.15
7		7	5,065.39	7	4,735.57	7	4,381.56	7	4,009.92	7	3,623.61	7	3,235.22	7	2,846.83	7	2,458.45	7	2,070.06
1/4	1/4	1/4	5,058.63	1/4	4,728.38	1/4	4,373.98	1/4	4,002.00	1/4	3,615.52	1/4	3,227.13	1/4	2,838.74	1/4	2,450.35	1/4	2,061.97
1/2	1/2	1/2	5,051.87	1/2	4,721.18	1/2	4,366.39	1/2	3,994.07	1/2	3,607.43	1/2	3,219.04	1/2	2,830.65	1/2	2,442.26	1/2	2,053.88
3/4	3/4	3/4	5,045.12	3/4	4,713.99	3/4	4,358.81	3/4	3,986.14	3/4	3,599.33	3/4	3,210.95	3/4	2,822.56	3/4	2,434.17	3/4	2,045.78
8		8	5,038.64	8	4,706.77	8	4,351.20	8	3,978.19	8	3,591.24	8	3,202.86	8	2,814.47	8	2,426.08	8	2,037.69
1/4	1/4	1/4	5,032.16	1/4	4,699.55	1/4	4,343.59	1/4	3,970.23	1/4	3,583.15	1/4	3,194.76	1/4	2,806.38	1/4	2,417.99	1/4	2,029.60
1/2	1/2	1/2	5,025.68	1/2	4,692.33	1/2	4,335.98	1/2	3,962.28	1/2	3,575.06	1/2	3,186.67	1/2	2,798.29	1/2	2,409.90	1/2	2,021.51
3/4	3/4	3/4	5,019.20	3/4	4,685.11	3/4	4,328.37	3/4	3,954.32	3/4	3,566.97	3/4	3,178.58	3/4	2,790.19	3/4	2,401.81	3/4	2,013.42
9		9	5,012.69	9	4,677.86	9	4,320.74	9	3,946.34	9	3,558.88	9	3,170.49	9	2,782.10	9	2,393.72	9	2,005.33
1/4	1/4	1/4	5,006.18	1/4	4,670.61	1/4	4,313.10	1/4	3,938.36	1/4	3,550.79	1/4	3,162.40	1/4	2,774.01	1/4	2,385.62	1/4	1,997.24
1/2	1/2	1/2	4,999.67	1/2	4,663.36	1/2	4,305.46	1/2	3,930.37	1/2	3,542.69	1/2	3,154.31	1/2	2,765.92	1/2	2,377.53	1/2	1,989.15
3/4	3/4	3/4	4,993.17	3/4	4,656.11	3/4	4,297.82	3/4	3,922.39	3/4	3,534.60	3/4	3,146.22	3/4	2,757.83	3/4	2,369.44	3/4	1,981.05
10		10	4,986.63	10	4,648.83	10	4,290.16	10	3,914.38	10	3,526.51	10	3,138.12	10	2,749.74	10	2,361.35	10	1,972.96
1/4	1/4	1/4	4,980.09	1/4	4,641.55	1/4	4,282.50	1/4	3,906.37	1/4	3,518.42	1/4	3,130.03	1/4	2,741.65	1/4	2,353.26	1/4	1,964.87
1/2	1/2	1/2	4,973.55	1/2	4,634.28	1/2	4,274.84	1/2	3,898.35	1/2	3,510.33	1/2	3,121.94	1/2	2,733.55	1/2	2,345.17	1/2	1,956.78
3/4	3/4	3/4	4,967.02	3/4	4,627.00	3/4	4,267.18	3/4	3,890.34	3/4	3,502.24	3/4	3,113.85	3/4	2,725.46	3/4	2,337.08	3/4	1,948.69
11		11	4,960.45	11	4,619.68	11	4,259.49	11	3,882.30	11	3,494.15	11	3,105.76	11	2,717.37	11	2,328.98	11	1,940.60
1/4	1/4	1/4	4,953.88	1/4	4,612.37	1/4	4,251.81	1/4	3,874.26	1/4	3,486.05	1/4	3,097.67	1/4	2,709.28	1/4	2,320.89	1/4	1,932.51
1/2	1/2	1/2	4,947.32	1/2	4,605.05	1/2	4,244.12	1/2	3,866.22	1/2	3,477.96	1/2	3,089.58	1/2	2,701.19	1/2	2,312.80	1/2	1,924.41
3/4	3/4	3/4	5,274.83	3/4	4,940.75	3/4	4,597.74	3/4	4,236.43	3/4	3,858.18	3/4	3,469.87	3/4	3,081.48	3/4	2,693.10	3/4	2,304.71
3/4	3/4	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.

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 LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CTCo 354B"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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	1,908.23	0	1,519.84	0	1,131.46	0	743.68	0	356.42	0		0		0		0		0	
1/4	1,900.14	1/4	1,511.75	1/4	1,123.37	1/4	735.62	1/4	348.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,892.05	1/2	1,503.66	1/2	1,115.27	1/2	727.57	1/2	340.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,883.96	3/4	1,495.57	3/4	1,107.18	3/4	719.52	3/4	332.14	3/4		3/4		3/4		3/4		3/4	
1	1,875.87	1	1,487.48	1	1,099.09	1	711.47	1	324.05	1		1		1		1		1	
1/4	1,867.77	1/4	1,479.39	1/4	1,091.00	1/4	703.42	1/4	315.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,859.68	1/2	1,471.30	1/2	1,082.91	1/2	695.37	1/2	307.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,851.59	3/4	1,463.20	3/4	1,074.82	3/4	687.32	3/4	299.78	3/4		3/4		3/4		3/4		3/4	
2	1,843.50	2	1,455.11	2	1,066.73	2	679.26	2	291.69	2		2		2		2		2	
1/4	1,835.41	1/4	1,447.02	1/4	1,058.63	1/4	671.21	1/4	283.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,827.32	1/2	1,438.93	1/2	1,050.54	1/2	663.16	1/2	275.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,819.23	3/4	1,430.84	3/4	1,042.45	3/4	655.11	3/4	267.41	3/4		3/4		3/4		3/4		3/4	
3	1,811.13	3	1,422.75	3	1,034.36	3	647.06	3	259.32	3		3		3		3		3	
1/4	1,803.04	1/4	1,414.66	1/4	1,026.27	1/4	639.01	1/4	251.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,794.95	1/2	1,406.56	1/2	1,018.18	1/2	630.96	1/2	243.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,786.86	3/4	1,398.47	3/4	1,010.09	3/4	622.91	3/4	235.05	3/4		3/4		3/4		3/4		3/4	
4	1,778.77	4	1,390.38	4	1,001.99	4	614.85	4	226.96	4		4		4		4		4	
1/4	1,770.68	1/4	1,382.29	1/4	993.90	1/4	606.80	1/4	218.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,762.59	1/2	1,374.20	1/2	985.81	1/2	598.75	1/2	210.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,754.49	3/4	1,366.11	3/4	977.72	3/4	590.70	3/4	202.68	3/4		3/4		3/4		3/4		3/4	
5	1,746.40	5	1,358.02	5	969.63	5	582.64	5	194.59	5		5		5		5		5	
1/4	1,738.31	1/4	1,349.92	1/4	961.54	1/4	574.59	1/4	186.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,730.22	1/2	1,341.83	1/2	953.45	1/2	566.53	1/2	178.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,722.13	3/4	1,333.74	3/4	945.35	3/4	558.47	3/4	170.32	3/4		3/4		3/4		3/4		3/4	
6	1,714.04	6	1,325.65	6	937.26	6	550.41	6	162.23	6		6		6		6		6	
1/4	1,705.95	1/4	1,317.56	1/4	929.17	1/4	542.34	1/4	154.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,697.85	1/2	1,309.47	1/2	921.08	1/2	534.28	1/2	146.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,689.76	3/4	1,301.38	3/4	912.99	3/4	526.21	3/4	137.95	3/4		3/4		3/4		3/4		3/4	
7	1,681.67	7	1,293.28	7	904.90	7	518.14	7	129.86	7		7		7		7		7	
1/4	1,673.58	1/4	1,285.19	1/4	896.81	1/4	510.08	1/4	121.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,665.49	1/2	1,277.10	1/2	888.71	1/2	502.01	1/2	113.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,657.40	3/4	1,269.01	3/4	880.62	3/4	493.94	3/4	105.59	3/4		3/4		3/4		3/4		3/4	
8	1,649.31	8	1,260.92	8	872.56	8	485.86	8	97.50	8		8		8		8		8	
1/4	1,641.21	1/4	1,252.83	1/4	864.49	1/4	477.77	1/4	89.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,633.12	1/2	1,244.74	1/2	856.42	1/2	469.69	1/2	81.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,625.03	3/4	1,236.64	3/4	848.36	3/4	461.60	3/4	73.22	3/4		3/4		3/4		3/4		3/4	
9	1,616.94	9	1,228.55	9	840.30	9	453.51	9	65.89	9		9		9		9		9	
1/4	1,608.85	1/4	1,220.46	1/4	832.25	1/4	445.42	1/4	58.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,600.76	1/2	1,212.37	1/2	824.19	1/2	437.33	1/2	51.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,592.67	3/4	1,204.28	3/4	816.14	3/4	429.24	3/4	43.89	3/4		3/4		3/4		3/4		3/4	
10	1,584.58	10	1,196.19	10	808.09	10	421.15	10	38.33	10		10		10		10		10	
1/4	1,576.48	1/4	1,188.10	1/4	800.04	1/4	413.05	1/4	32.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,568.39	1/2	1,180.01	1/2	791.99	1/2	404.96	1/2	27.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,560.30	3/4	1,171.91	3/4	783.93	3/4	396.87	3/4	21.64	3/4		3/4		3/4		3/4		3/4	
11	1,552.21	11	1,163.82	11	775.88	11	388.78	11		11		11		11		11		11	
1/4	1,544.12	1/4	1,155.73	1/4	767.83	1/4	380.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,536.03	1/2	1,147.64	1/2	759.78	1/2	372.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,527.94	3/4	1,139.55	3/4	751.73	3/4	364.51	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "CTCo 354B"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	5,271.18	0	4,937.43	0	4,594.76	0	4,233.80	0	3,855.89	0	3,467.96	0	3,079.92	0	2,691.87	0	2,303.82
1/4	1/4	5,266.03	1/4	4,930.54	1/4	4,587.42	1/4	4,226.09	1/4	3,847.83	1/4	3,459.88	1/4	3,071.83	1/4	2,683.79	1/4	2,295.74	
1/2	1/2	5,260.87	1/2	4,923.65	1/2	4,580.09	1/2	4,218.39	1/2	3,839.76	1/2	3,451.79	1/2	3,063.75	1/2	2,675.70	1/2	2,287.65	
3/4	3/4	5,255.72	3/4	4,916.75	3/4	4,572.75	3/4	4,210.68	3/4	3,831.70	3/4	3,443.71	3/4	3,055.66	3/4	2,667.62	3/4	2,279.57	
1		1	5,250.57	1	4,909.86	1	4,565.41	1	4,202.97	1	3,823.64	1	3,435.63	1	3,047.58	1	2,659.53	1	2,271.49
1/4	1/4	5,243.39	1/4	4,902.84	1/4	4,558.04	1/4	4,195.23	1/4	3,815.56	1/4	3,427.54	1/4	3,039.49	1/4	2,651.45	1/4	2,263.40	
1/2	1/2	5,236.22	1/2	4,895.82	1/2	4,550.68	1/2	4,187.50	1/2	3,807.49	1/2	3,419.46	1/2	3,031.41	1/2	2,643.36	1/2	2,255.32	
3/4	3/4	5,229.05	3/4	4,888.80	3/4	4,543.31	3/4	4,179.76	3/4	3,799.41	3/4	3,411.37	3/4	3,023.33	3/4	2,635.28	3/4	2,247.23	
2		2	5,221.87	2	4,881.77	2	4,535.94	2	4,172.02	2	3,791.33	2	3,403.29	2	3,015.24	2	2,627.20	2	2,239.15
1/4	1/4	5,214.19	1/4	4,874.72	1/4	4,528.55	1/4	4,164.26	1/4	3,783.25	1/4	3,395.20	1/4	3,007.16	1/4	2,619.11	1/4	2,231.06	
1/2	1/2	5,206.52	1/2	4,867.67	1/2	4,521.15	1/2	4,156.49	1/2	3,775.17	1/2	3,387.12	1/2	2,999.07	1/2	2,611.03	1/2	2,222.98	
3/4	3/4	5,198.84	3/4	4,860.62	3/4	4,513.75	3/4	4,148.73	3/4	3,767.08	3/4	3,379.04	3/4	2,990.99	3/4	2,602.94	3/4	2,214.90	
3		3	5,191.16	3	4,853.57	3	4,506.36	3	4,140.96	3	3,759.00	3	3,370.95	3	2,982.90	3	2,594.86	3	2,206.81
1/4	1/4	5,183.48	1/4	4,846.49	1/4	4,498.91	1/4	4,133.16	1/4	3,750.91	1/4	3,362.87	1/4	2,974.82	1/4	2,586.77	1/4	2,198.73	
1/2	1/2	5,175.80	1/2	4,839.41	1/2	4,491.46	1/2	4,125.36	1/2	3,742.83	1/2	3,354.78	1/2	2,966.74	1/2	2,578.69	1/2	2,190.64	
3/4	3/4	5,168.12	3/4	4,832.33	3/4	4,484.01	3/4	4,117.56	3/4	3,734.74	3/4	3,346.70	3/4	2,958.65	3/4	2,570.61	3/4	2,182.56	
4		4	5,160.44	4	4,825.25	4	4,476.56	4	4,109.75	4	3,726.66	4	3,338.61	4	2,950.57	4	2,562.52	4	2,174.47
1/4	1/4	5,152.79	1/4	4,818.15	1/4	4,469.07	1/4	4,101.92	1/4	3,718.58	1/4	3,330.53	1/4	2,942.48	1/4	2,554.44	1/4	2,166.39	
1/2	1/2	5,145.14	1/2	4,811.04	1/2	4,461.58	1/2	4,094.09	1/2	3,710.49	1/2	3,322.45	1/2	2,934.40	1/2	2,546.35	1/2	2,158.31	
3/4	3/4	5,137.49	3/4	4,803.93	3/4	4,454.09	3/4	4,086.26	3/4	3,702.41	3/4	3,314.36	3/4	2,926.31	3/4	2,538.27	3/4	2,150.22	
5		5	5,129.83	5	4,796.82	5	4,446.61	5	4,078.42	5	3,694.32	5	3,306.28	5	2,918.23	5	2,530.18	5	2,142.14
1/4	1/4	5,122.19	1/4	4,789.68	1/4	4,439.09	1/4	4,070.56	1/4	3,686.24	1/4	3,298.19	1/4	2,910.15	1/4	2,522.10	1/4	2,134.05	
1/2	1/2	5,114.54	1/2	4,782.55	1/2	4,431.57	1/2	4,062.70	1/2	3,678.15	1/2	3,290.11	1/2	2,902.06	1/2	2,514.02	1/2	2,125.97	
3/4	3/4	5,106.90	3/4	4,775.41	3/4	4,424.06	3/4	4,054.84	3/4	3,670.07	3/4	3,282.02	3/4	2,893.98	3/4	2,505.93	3/4	2,117.88	
6		6	5,099.25	6	4,768.27	6	4,416.54	6	4,046.98	6	3,661.99	6	3,273.94	6	2,885.89	6	2,497.85	6	2,109.80
1/4	1/4	5,091.61	1/4	4,761.12	1/4	4,409.00	1/4	4,039.09	1/4	3,653.90	1/4	3,265.85	1/4	2,877.81	1/4	2,489.76	1/4	2,101.72	
1/2	1/2	5,083.97	1/2	4,753.96	1/2	4,401.45	1/2	4,031.20	1/2	3,645.82	1/2	3,257.77	1/2	2,869.72	1/2	2,481.68	1/2	2,093.63	
3/4	3/4	5,076.32	3/4	4,746.80	3/4	4,393.91	3/4	4,023.31	3/4	3,637.73	3/4	3,249.69	3/4	2,861.64	3/4	2,473.59	3/4	2,085.55	
7		7	5,068.68	7	4,739.64	7	4,386.36	7	4,015.42	7	3,629.65	7	3,241.60	7	2,853.56	7	2,465.51	7	2,077.46
1/4	1/4	5,061.93	1/4	4,732.45	1/4	4,378.79	1/4	4,007.50	1/4	3,621.56	1/4	3,233.52	1/4	2,845.47	1/4	2,457.42	1/4	2,069.38	
1/2	1/2	5,055.18	1/2	4,725.27	1/2	4,371.21	1/2	3,999.58	1/2	3,613.48	1/2	3,225.43	1/2	2,837.39	1/2	2,449.34	1/2	2,061.29	
3/4	3/4	5,048.43	3/4	4,718.08	3/4	4,363.64	3/4	3,991.66	3/4	3,605.40	3/4	3,217.35	3/4	2,829.30	3/4	2,441.26	3/4	2,053.21	
8		8	5,041.68	8	4,710.90	8	4,356.07	8	3,983.74	8	3,597.31	8	3,209.26	8	2,821.22	8	2,433.17	8	2,045.13
1/4	1/4	5,035.21	1/4	4,703.69	1/4	4,348.46	1/4	3,975.79	1/4	3,589.23	1/4	3,201.18	1/4	2,813.13	1/4	2,425.09	1/4	2,037.04	
1/2	1/2	5,028.73	1/2	4,696.47	1/2	4,340.86	1/2	3,967.85	1/2	3,581.14	1/2	3,193.10	1/2	2,805.05	1/2	2,417.00	1/2	2,028.96	
3/4	3/4	5,022.26	3/4	4,689.26	3/4	4,333.26	3/4	3,959.90	3/4	3,573.06	3/4	3,185.01	3/4	2,796.97	3/4	2,408.92	3/4	2,020.87	
9		9	5,015.79	9	4,682.05	9	4,325.66	9	3,951.95	9	3,564.97	9	3,176.93	9	2,788.88	9	2,400.83	9	2,012.79
1/4	1/4	5,009.29	1/4	4,674.80	1/4	4,318.03	1/4	3,943.98	1/4	3,556.89	1/4	3,168.84	1/4	2,780.80	1/4	2,392.75	1/4	2,004.70	
1/2	1/2	5,002.79	1/2	4,667.56	1/2	4,310.39	1/2	3,936.00	1/2	3,548.81	1/2	3,160.76	1/2	2,772.71	1/2	2,384.67	1/2	1,996.62	
3/4	3/4	4,996.29	3/4	4,660.32	3/4	4,302.76	3/4	3,928.02	3/4	3,540.72	3/4	3,152.67	3/4	2,764.63	3/4	2,376.58	3/4	1,988.54	
10		10	4,989.78	10	4,653.08	10	4,295.13	10	3,920.05	10	3,532.64	10	3,144.59	10	2,756.54	10	2,368.50	10	1,980.45
1/4	1/4	4,983.25	1/4	4,645.80	1/4	4,287.48	1/4	3,912.04	1/4	3,524.55	1/4	3,136.51	1/4	2,748.46	1/4	2,360.41	1/4	1,972.37	
1/2	1/2	4,976.72	1/2	4,638.53	1/2	4,279.83	1/2	3,904.04	1/2	3,516.47	1/2	3,128.42	1/2	2,740.38	1/2	2,352.33	1/2	1,964.28	
3/4	3/4	4,970.19	3/4	4,631.26	3/4	4,272.17	3/4	3,896.03	3/4	3,508.38	3/4	3,120.34	3/4	2,732.29	3/4	2,344.24	3/4	1,956.20	
11		11	4,963.66	11	4,623.99	11	4,264.52	11	3,888.03	11	3,500.30	11	3,112.25	11	2,724.21	11	2,336.16	11	1,948.11
1/4	1/4	4,957.11	1/4	4,616.68	1/4	4,256.84	1/4	3,879.99	1/4	3,492.22	1/4	3,104.17	1/4	2,716.12	1/4	2,328.08	1/4	1,940.03	
1/2	1/2	4,950.55	1/2	4,609.38	1/2	4,249.16	1/2	3,871.96	1/2	3,484.13	1/2	3,096.08	1/2	2,708.04	1/2	2,319.99	1/2	1,931.95	
3/4	3/4	4,943.99	3/4	4,602.07	3/4	4,241.48	3/4	3,863.92	3/4	3,476.05	3/4	3,088.00	3/4	2,699.95	3/4	2,311.91	3/4	1,923.86	

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "CTCo 354B"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11"

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	1,915.78	0	1,527.73	0	1,139.68	0	751.85	0	364.19	0		0		0		0		0	
1/4	1,907.69	1/4	1,519.65	1/4	1,131.60	1/4	743.78	1/4	356.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,899.61	1/2	1,511.56	1/2	1,123.52	1/2	735.71	1/2	348.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,891.52	3/4	1,503.48	3/4	1,115.43	3/4	727.64	3/4	339.93	3/4		3/4		3/4		3/4		3/4	
1	1,883.44	1	1,495.39	1	1,107.35	1	719.57	1	331.85	1		1		1		1		1	
1/4	1,875.36	1/4	1,487.31	1/4	1,099.26	1/4	711.51	1/4	323.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,867.27	1/2	1,479.22	1/2	1,091.18	1/2	703.44	1/2	315.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,859.19	3/4	1,471.14	3/4	1,083.09	3/4	695.37	3/4	307.60	3/4		3/4		3/4		3/4		3/4	
2	1,851.10	2	1,463.06	2	1,075.01	2	687.30	2	299.51	2		2		2		2		2	
1/4	1,843.02	1/4	1,454.97	1/4	1,066.93	1/4	679.24	1/4	291.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,834.93	1/2	1,446.89	1/2	1,058.84	1/2	671.17	1/2	283.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,826.85	3/4	1,438.80	3/4	1,050.76	3/4	663.10	3/4	275.26	3/4		3/4		3/4		3/4		3/4	
3	1,818.77	3	1,430.72	3	1,042.67	3	655.03	3	267.18	3		3		3		3		3	
1/4	1,810.68	1/4	1,422.63	1/4	1,034.59	1/4	646.97	1/4	259.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,802.60	1/2	1,414.55	1/2	1,026.50	1/2	638.90	1/2	251.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,794.51	3/4	1,406.47	3/4	1,018.42	3/4	630.83	3/4	242.93	3/4		3/4		3/4		3/4		3/4	
4	1,786.43	4	1,398.38	4	1,010.34	4	622.76	4	234.84	4		4		4		4		4	
1/4	1,778.34	1/4	1,390.30	1/4	1,002.25	1/4	614.69	1/4	226.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,770.26	1/2	1,382.21	1/2	994.17	1/2	606.62	1/2	218.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,762.18	3/4	1,374.13	3/4	986.08	3/4	598.56	3/4	210.59	3/4		3/4		3/4		3/4		3/4	
5	1,754.09	5	1,366.04	5	978.00	5	590.49	5	202.51	5		5		5		5		5	
1/4	1,746.01	1/4	1,357.96	1/4	969.91	1/4	582.41	1/4	194.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,737.92	1/2	1,349.88	1/2	961.83	1/2	574.34	1/2	186.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,729.84	3/4	1,341.79	3/4	953.75	3/4	566.27	3/4	178.25	3/4		3/4		3/4		3/4		3/4	
6	1,721.75	6	1,333.71	6	945.66	6	558.19	6	170.17	6		6		6		6		6	
1/4	1,713.67	1/4	1,325.62	1/4	937.58	1/4	550.11	1/4	162.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,705.59	1/2	1,317.54	1/2	929.49	1/2	542.03	1/2	154.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,697.50	3/4	1,309.45	3/4	921.41	3/4	533.95	3/4	145.92	3/4		3/4		3/4		3/4		3/4	
7	1,689.42	7	1,301.37	7	913.32	7	525.87	7	137.83	7		7		7		7		7	
1/4	1,681.33	1/4	1,293.29	1/4	905.24	1/4	517.78	1/4	129.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,673.25	1/2	1,285.20	1/2	897.16	1/2	509.70	1/2	121.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,665.16	3/4	1,277.12	3/4	889.07	3/4	501.61	3/4	113.58	3/4		3/4		3/4		3/4		3/4	
8	1,657.08	8	1,269.03	8	880.99	8	493.53	8	105.50	8		8		8		8		8	
1/4	1,648.99	1/4	1,260.95	1/4	872.91	1/4	485.45	1/4	97.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,640.91	1/2	1,252.86	1/2	864.83	1/2	477.36	1/2	89.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,632.83	3/4	1,244.78	3/4	856.75	3/4	469.28	3/4	81.25	3/4		3/4		3/4		3/4		3/4	
9	1,624.74	9	1,236.70	9	848.68	9	461.19	9	73.16	9		9		9		9		9	
1/4	1,616.66	1/4	1,228.61	1/4	840.61	1/4	453.11	1/4	65.84	1/4		1/4		1/4		1/4		1/4	
1/2	1,608.57	1/2	1,220.53	1/2	832.54	1/2	445.03	1/2	58.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,600.49	3/4	1,212.44	3/4	824.47	3/4	436.94	3/4	51.18	3/4		3/4		3/4		3/4		3/4	
10	1,592.40	10	1,204.36	10	816.40	10	428.86	10	43.85	10		10		10		10		10	
1/4	1,584.32	1/4	1,196.27	1/4	808.33	1/4	420.77	1/4	38.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,576.24	1/2	1,188.19	1/2	800.26	1/2	412.69	1/2	32.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,568.15	3/4	1,180.11	3/4	792.19	3/4	404.61	3/4	27.18	3/4		3/4		3/4		3/4		3/4	
11	1,560.07	11	1,172.02	11	784.12	11	396.52	11	21.62	11		11		11		11		11	
1/4	1,551.98	1/4	1,163.94	1/4	776.05	1/4	388.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,543.90	1/2	1,155.85	1/2	767.99	1/2	380.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,535.81	3/4	1,147.77	3/4	759.92	3/4	372.27	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "CTCo 354B"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	5,249.76	0	4,919.71	0	4,577.64	0	4,216.96	0	3,839.27	0	3,451.52	0	3,063.67	0	2,675.82	0	2,287.97
1/4	1/4		5,244.68	1/4	4,912.84	1/4	4,570.31	1/4	4,209.26	1/4	3,831.21	1/4	3,443.44	1/4	3,055.59	1/4	2,667.74	1/4	2,279.89
1/2	1/2		5,239.60	1/2	4,905.98	1/2	4,562.98	1/2	4,201.56	1/2	3,823.15	1/2	3,435.36	1/2	3,047.51	1/2	2,659.66	1/2	2,271.81
3/4	3/4		5,234.52	3/4	4,899.12	3/4	4,555.65	3/4	4,193.86	3/4	3,815.09	3/4	3,427.28	3/4	3,039.43	3/4	2,651.58	3/4	2,263.73
1		1	5,229.44	1	4,892.25	1	4,548.33	1	4,186.15	1	3,807.03	1	3,419.20	1	3,031.35	1	2,643.50	1	2,255.65
1/4	1/4		5,222.34	1/4	4,885.24	1/4	4,540.97	1/4	4,178.42	1/4	3,798.96	1/4	3,411.12	1/4	3,023.27	1/4	2,635.42	1/4	2,247.57
1/2	1/2		5,215.24	1/2	4,878.23	1/2	4,533.61	1/2	4,170.69	1/2	3,790.88	1/2	3,403.04	1/2	3,015.19	1/2	2,627.34	1/2	2,239.49
3/4	3/4		5,208.14	3/4	4,871.22	3/4	4,526.26	3/4	4,162.96	3/4	3,782.80	3/4	3,394.96	3/4	3,007.11	3/4	2,619.26	3/4	2,231.41
2		2	5,201.04	2	4,864.21	2	4,518.90	2	4,155.23	2	3,774.73	2	3,386.88	2	2,999.03	2	2,611.18	2	2,223.33
1/4	1/4		5,193.44	1/4	4,857.17	1/4	4,511.51	1/4	4,147.47	1/4	3,766.65	1/4	3,378.80	1/4	2,990.95	1/4	2,603.10	1/4	2,215.25
1/2	1/2		5,185.83	1/2	4,850.12	1/2	4,504.13	1/2	4,139.71	1/2	3,758.57	1/2	3,370.72	1/2	2,982.87	1/2	2,595.02	1/2	2,207.17
3/4	3/4		5,178.22	3/4	4,843.08	3/4	4,496.74	3/4	4,131.95	3/4	3,750.49	3/4	3,362.64	3/4	2,974.79	3/4	2,586.94	3/4	2,199.09
3		3	5,170.62	3	4,836.04	3	4,489.36	3	4,124.19	3	3,742.41	3	3,354.56	3	2,966.71	3	2,578.86	3	2,191.01
1/4	1/4		5,163.01	1/4	4,828.97	1/4	4,481.91	1/4	4,116.39	1/4	3,734.33	1/4	3,346.48	1/4	2,958.63	1/4	2,570.78	1/4	2,182.93
1/2	1/2		5,155.41	1/2	4,821.91	1/2	4,474.47	1/2	4,108.60	1/2	3,726.24	1/2	3,338.40	1/2	2,950.55	1/2	2,562.70	1/2	2,174.85
3/4	3/4		5,147.80	3/4	4,814.84	3/4	4,467.02	3/4	4,100.80	3/4	3,718.16	3/4	3,330.32	3/4	2,942.47	3/4	2,554.62	3/4	2,166.77
4		4	5,140.20	4	4,807.77	4	4,459.58	4	4,093.00	4	3,710.08	4	3,322.23	4	2,934.39	4	2,546.54	4	2,158.69
1/4	1/4		5,132.62	1/4	4,800.67	1/4	4,452.10	1/4	4,085.17	1/4	3,702.00	1/4	3,314.15	1/4	2,926.31	1/4	2,538.46	1/4	2,150.61
1/2	1/2		5,125.05	1/2	4,793.57	1/2	4,444.61	1/2	4,077.35	1/2	3,693.92	1/2	3,306.07	1/2	2,918.22	1/2	2,530.38	1/2	2,142.53
3/4	3/4		5,117.47	3/4	4,786.47	3/4	4,437.13	3/4	4,069.52	3/4	3,685.84	3/4	3,297.99	3/4	2,910.14	3/4	2,522.30	3/4	2,134.45
5		5	5,109.89	5	4,779.38	5	4,429.64	5	4,061.69	5	3,677.76	5	3,289.91	5	2,902.06	5	2,514.21	5	2,126.37
1/4	1/4		5,102.33	1/4	4,772.25	1/4	4,422.13	1/4	4,053.83	1/4	3,669.68	1/4	3,281.83	1/4	2,893.98	1/4	2,506.13	1/4	2,118.29
1/2	1/2		5,094.76	1/2	4,765.12	1/2	4,414.62	1/2	4,045.97	1/2	3,661.60	1/2	3,273.75	1/2	2,885.90	1/2	2,498.05	1/2	2,110.20
3/4	3/4		5,087.20	3/4	4,758.00	3/4	4,407.11	3/4	4,038.12	3/4	3,653.52	3/4	3,265.67	3/4	2,877.82	3/4	2,489.97	3/4	2,102.12
6		6	5,079.63	6	4,750.87	6	4,399.60	6	4,030.26	6	3,645.44	6	3,257.59	6	2,869.74	6	2,481.89	6	2,094.04
1/4	1/4		5,072.07	1/4	4,743.72	1/4	4,392.05	1/4	4,022.37	1/4	3,637.36	1/4	3,249.51	1/4	2,861.66	1/4	2,473.81	1/4	2,085.96
1/2	1/2		5,064.50	1/2	4,736.58	1/2	4,384.51	1/2	4,014.49	1/2	3,629.28	1/2	3,241.43	1/2	2,853.58	1/2	2,465.73	1/2	2,077.88
3/4	3/4		5,056.94	3/4	4,729.43	3/4	4,376.97	3/4	4,006.60	3/4	3,621.20	3/4	3,233.35	3/4	2,845.50	3/4	2,457.65	3/4	2,069.80
7		7	5,049.37	7	4,722.28	7	4,369.43	7	3,998.71	7	3,613.12	7	3,225.27	7	2,837.42	7	2,449.57	7	2,061.72
1/4	1/4		5,042.70	1/4	4,715.11	1/4	4,361.86	1/4	3,990.80	1/4	3,605.04	1/4	3,217.19	1/4	2,829.34	1/4	2,441.49	1/4	2,053.64
1/2	1/2		5,036.03	1/2	4,707.94	1/2	4,354.29	1/2	3,982.88	1/2	3,596.96	1/2	3,209.11	1/2	2,821.26	1/2	2,433.41	1/2	2,045.56
3/4	3/4		5,029.36	3/4	4,700.76	3/4	4,346.72	3/4	3,974.97	3/4	3,588.88	3/4	3,201.03	3/4	2,813.18	3/4	2,425.33	3/4	2,037.48
8		8	5,022.69	8	4,693.59	8	4,339.15	8	3,967.05	8	3,580.80	8	3,192.95	8	2,805.10	8	2,417.25	8	2,029.40
1/4	1/4		5,016.30	1/4	4,686.39	1/4	4,331.55	1/4	3,959.11	1/4	3,572.72	1/4	3,184.87	1/4	2,797.02	1/4	2,409.17	1/4	2,021.32
1/2	1/2		5,009.91	1/2	4,679.19	1/2	4,323.96	1/2	3,951.17	1/2	3,564.64	1/2	3,176.79	1/2	2,788.94	1/2	2,401.09	1/2	2,013.24
3/4	3/4		5,003.51	3/4	4,671.98	3/4	4,316.36	3/4	3,943.22	3/4	3,556.56	3/4	3,168.71	3/4	2,780.86	3/4	2,393.01	3/4	2,005.16
9		9	4,997.12	9	4,664.78	9	4,308.76	9	3,935.28	9	3,548.48	9	3,160.63	9	2,772.78	9	2,384.93	9	1,997.08
1/4	1/4		4,990.70	1/4	4,657.55	1/4	4,301.13	1/4	3,927.31	1/4	3,540.40	1/4	3,152.55	1/4	2,764.70	1/4	2,376.85	1/4	1,989.00
1/2	1/2		4,984.28	1/2	4,650.32	1/2	4,293.50	1/2	3,919.34	1/2	3,532.32	1/2	3,144.47	1/2	2,756.62	1/2	2,368.77	1/2	1,980.92
3/4	3/4		4,977.85	3/4	4,643.09	3/4	4,285.88	3/4	3,911.36	3/4	3,524.24	3/4	3,136.39	3/4	2,748.54	3/4	2,360.69	3/4	1,972.84
10		10	4,971.43	10	4,635.86	10	4,278.25	10	3,903.39	10	3,516.16	10	3,128.31	10	2,740.46	10	2,352.61	10	1,964.76
1/4	1/4		4,964.98	1/4	4,628.60	1/4	4,270.60	1/4	3,895.39	1/4	3,508.08	1/4	3,120.23	1/4	2,732.38	1/4	2,344.53	1/4	1,956.68
1/2	1/2		4,958.53	1/2	4,621.34	1/2	4,262.95	1/2	3,887.39	1/2	3,500.00	1/2	3,112.15	1/2	2,724.30	1/2	2,336.45	1/2	1,948.60
3/4	3/4		4,952.08	3/4	4,614.08	3/4	4,255.31	3/4	3,879.39	3/4	3,491.92	3/4	3,104.07	3/4	2,716.22	3/4	2,328.37	3/4	1,940.52
11		11	4,945.63	11	4,606.82	11	4,247.66	11	3,871.39	11	3,483.84	11	3,095.99	11	2,708.14	11	2,320.29	11	1,932.44
1/4	1/4		4,939.15	1/4	4,599.53	1/4	4,239.99	1/4	3,863.36	1/4	3,475.76	1/4	3,087.91	1/4	2,700.06	1/4	2,312.21	1/4	1,924.36
1/2	1/2		4,932.67	1/2	4,592.23	1/2	4,232.31	1/2	3,855.33	1/2	3,467.68	1/2	3,079.83	1/2	2,691.98	1/2	2,304.13	1/2	1,916.28
3/4	3/4		4,926.19	3/4	4,584.93	3/4	4,224.64	3/4	3,847.30	3/4	3,459.60	3/4	3,071.75	3/4	2,683.90	3/4	2,296.05	3/4	1,908.20

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

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





BARGE "CTCo 354B"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11"

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	1,900.12	0	1,512.27	0	1,124.42	0	741.98	0	364.00	0		0		0		0		0	
1/4	1,892.04	1/4	1,504.19	1/4	1,116.34	1/4	734.22	1/4	355.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,883.96	1/2	1,496.11	1/2	1,108.26	1/2	726.47	1/2	347.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,875.88	3/4	1,488.03	3/4	1,100.18	3/4	718.71	3/4	339.76	3/4		3/4		3/4		3/4		3/4	
1	1,867.80	1	1,479.95	1	1,092.10	1	710.95	1	331.68	1		1		1		1		1	
1/4	1,859.72	1/4	1,471.87	1/4	1,084.02	1/4	703.19	1/4	323.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,851.64	1/2	1,463.79	1/2	1,075.94	1/2	695.43	1/2	315.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,843.56	3/4	1,455.71	3/4	1,067.86	3/4	687.68	3/4	307.44	3/4		3/4		3/4		3/4		3/4	
2	1,835.48	2	1,447.63	2	1,059.78	2	679.92	2	299.36	2		2		2		2		2	
1/4	1,827.40	1/4	1,439.55	1/4	1,051.70	1/4	672.16	1/4	291.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,819.32	1/2	1,431.47	1/2	1,043.62	1/2	664.40	1/2	283.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,811.24	3/4	1,423.39	3/4	1,035.54	3/4	656.65	3/4	275.12	3/4		3/4		3/4		3/4		3/4	
3	1,803.16	3	1,415.31	3	1,027.46	3	648.89	3	267.04	3		3		3		3		3	
1/4	1,795.08	1/4	1,407.23	1/4	1,019.38	1/4	641.13	1/4	258.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,787.00	1/2	1,399.15	1/2	1,011.30	1/2	633.37	1/2	250.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,778.92	3/4	1,391.07	3/4	1,003.22	3/4	625.61	3/4	242.80	3/4		3/4		3/4		3/4		3/4	
4	1,770.84	4	1,382.99	4	995.14	4	617.86	4	234.72	4		4		4		4		4	
1/4	1,762.76	1/4	1,374.91	1/4	987.06	1/4	610.10	1/4	226.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,754.68	1/2	1,366.83	1/2	978.98	1/2	602.34	1/2	218.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,746.60	3/4	1,358.75	3/4	970.90	3/4	594.58	3/4	210.48	3/4		3/4		3/4		3/4		3/4	
5	1,738.52	5	1,350.67	5	962.82	5	586.82	5	202.40	5		5		5		5		5	
1/4	1,730.44	1/4	1,342.59	1/4	954.74	1/4	579.06	1/4	194.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,722.36	1/2	1,334.51	1/2	946.66	1/2	571.29	1/2	186.24	1/2		1/2		1/2		1/2		1/2	
3/4	1,714.28	3/4	1,326.43	3/4	938.58	3/4	563.53	3/4	178.16	3/4		3/4		3/4		3/4		3/4	
6	1,706.19	6	1,318.35	6	930.50	6	555.77	6	170.08	6		6		6		6		6	
1/4	1,698.11	1/4	1,310.27	1/4	922.42	1/4	548.00	1/4	162.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,690.03	1/2	1,302.18	1/2	914.34	1/2	540.22	1/2	153.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,681.95	3/4	1,294.10	3/4	906.26	3/4	532.45	3/4	145.84	3/4		3/4		3/4		3/4		3/4	
7	1,673.87	7	1,286.02	7	898.17	7	524.68	7	137.76	7		7		7		7		7	
1/4	1,665.79	1/4	1,277.94	1/4	890.21	1/4	516.79	1/4	129.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,657.71	1/2	1,269.86	1/2	882.24	1/2	508.90	1/2	121.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,649.63	3/4	1,261.78	3/4	874.28	3/4	501.02	3/4	113.52	3/4		3/4		3/4		3/4		3/4	
8	1,641.55	8	1,253.70	8	866.31	8	493.13	8	105.44	8		8		8		8		8	
1/4	1,633.47	1/4	1,245.62	1/4	858.51	1/4	485.08	1/4	97.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,625.39	1/2	1,237.54	1/2	850.70	1/2	477.04	1/2	89.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,617.31	3/4	1,229.46	3/4	842.90	3/4	469.00	3/4	81.20	3/4		3/4		3/4		3/4		3/4	
9	1,609.23	9	1,221.38	9	835.09	9	460.96	9	73.12	9		9		9		9		9	
1/4	1,601.15	1/4	1,213.30	1/4	827.33	1/4	452.88	1/4	65.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,593.07	1/2	1,205.22	1/2	819.57	1/2	444.80	1/2	58.48	1/2		1/2		1/2		1/2		1/2	
3/4	1,584.99	3/4	1,197.14	3/4	811.81	3/4	436.72	3/4	51.15	3/4		3/4		3/4		3/4		3/4	
10	1,576.91	10	1,189.06	10	804.05	10	428.64	10	43.83	10		10		10		10		10	
1/4	1,568.83	1/4	1,180.98	1/4	796.29	1/4	420.56	1/4	38.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,560.75	1/2	1,172.90	1/2	788.53	1/2	412.48	1/2	32.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,552.67	3/4	1,164.82	3/4	780.77	3/4	404.40	3/4	27.16	3/4		3/4		3/4		3/4		3/4	
11	1,544.59	11	1,156.74	11	773.02	11	396.32	11	21.61	11		11		11		11		11	
1/4	1,536.51	1/4	1,148.66	1/4	765.26	1/4	388.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,528.43	1/2	1,140.58	1/2	757.50	1/2	380.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,520.35	3/4	1,132.50	3/4	749.74	3/4	372.08	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "CTCo 354B"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	4,951.62	0	4,609.54	0	4,248.41	0	3,870.24	0	3,481.72	0	3,093.04	0	2,704.36	0	2,315.68		
1/4	1/4	5,275.98	1/4	4,945.12	1/4	4,602.22	1/4	4,240.72	1/4	3,862.20	1/4	3,473.62	1/4	3,084.94	1/4	2,696.26	1/4	2,307.58	
1/2	1/2	5,270.89	1/2	4,938.24	1/2	4,594.88	1/2	4,233.00	1/2	3,854.12	1/2	3,465.53	1/2	3,076.85	1/2	2,688.17	1/2	2,299.49	
3/4	3/4	5,265.80	3/4	4,931.36	3/4	4,587.53	3/4	4,225.28	3/4	3,846.04	3/4	3,457.43	3/4	3,068.75	3/4	2,680.07	3/4	2,291.39	
1	1	5,260.71	1	4,924.48	1	4,580.19	1	4,217.56	1	3,837.97	1	3,449.33	1	3,060.65	1	2,671.97	1	2,283.29	
1/4	1/4	5,255.61	1/4	4,917.60	1/4	4,572.84	1/4	4,209.84	1/4	3,829.89	1/4	3,441.23	1/4	3,052.55	1/4	2,663.87	1/4	2,275.19	
1/2	1/2	5,248.50	1/2	4,910.57	1/2	4,565.47	1/2	4,202.09	1/2	3,821.80	1/2	3,433.14	1/2	3,044.46	1/2	2,655.78	1/2	2,267.10	
3/4	3/4	5,241.38	3/4	4,903.54	3/4	4,558.10	3/4	4,194.35	3/4	3,813.71	3/4	3,425.04	3/4	3,036.36	3/4	2,647.68	3/4	2,259.00	
2	2	5,234.26	2	4,896.51	2	4,550.72	2	4,186.60	2	3,805.62	2	3,416.94	2	3,028.26	2	2,639.58	2	2,250.90	
1/4	1/4	5,227.15	1/4	4,889.48	1/4	4,543.35	1/4	4,178.85	1/4	3,797.52	1/4	3,408.84	1/4	3,020.16	1/4	2,631.48	1/4	2,242.80	
1/2	1/2	5,219.53	1/2	4,882.43	1/2	4,535.94	1/2	4,171.07	1/2	3,789.43	1/2	3,400.75	1/2	3,012.07	1/2	2,623.39	1/2	2,234.71	
3/4	3/4	5,211.90	3/4	4,875.37	3/4	4,528.54	3/4	4,163.29	3/4	3,781.33	3/4	3,392.65	3/4	3,003.97	3/4	2,615.29	3/4	2,226.61	
3	3	5,204.28	3	4,868.31	3	4,521.14	3	4,155.52	3	3,773.23	3	3,384.55	3	2,995.87	3	2,607.19	3	2,218.51	
1/4	1/4	5,196.66	1/4	4,861.25	1/4	4,513.74	1/4	4,147.74	1/4	3,765.13	1/4	3,376.45	1/4	2,987.77	1/4	2,599.09	1/4	2,210.41	
1/2	1/2	5,189.03	1/2	4,854.17	1/2	4,506.27	1/2	4,139.93	1/2	3,757.04	1/2	3,368.36	1/2	2,979.68	1/2	2,591.00	1/2	2,202.32	
3/4	3/4	5,181.41	3/4	4,847.08	3/4	4,498.81	3/4	4,132.11	3/4	3,748.94	3/4	3,360.26	3/4	2,971.58	3/4	2,582.90	3/4	2,194.22	
4	4	5,173.79	4	4,839.99	4	4,491.35	4	4,124.30	4	3,740.84	4	3,352.16	4	2,963.48	4	2,574.80	4	2,186.12	
1/4	1/4	5,166.16	1/4	4,832.91	1/4	4,483.89	1/4	4,116.48	1/4	3,732.74	1/4	3,344.06	1/4	2,955.38	1/4	2,566.70	1/4	2,178.02	
1/2	1/2	5,158.57	1/2	4,825.79	1/2	4,476.39	1/2	4,108.64	1/2	3,724.65	1/2	3,335.97	1/2	2,947.29	1/2	2,558.61	1/2	2,169.93	
3/4	3/4	5,150.98	3/4	4,818.68	3/4	4,468.89	3/4	4,100.79	3/4	3,716.55	3/4	3,327.87	3/4	2,939.19	3/4	2,550.51	3/4	2,161.83	
5	5	5,143.39	5	4,811.56	5	4,461.39	5	4,092.95	5	3,708.45	5	3,319.77	5	2,931.09	5	2,542.41	5	2,153.73	
1/4	1/4	5,135.79	1/4	4,804.45	1/4	4,453.89	1/4	4,085.10	1/4	3,700.35	1/4	3,311.67	1/4	2,922.99	1/4	2,534.31	1/4	2,145.63	
1/2	1/2	5,128.21	1/2	4,797.30	1/2	4,446.36	1/2	4,077.23	1/2	3,692.26	1/2	3,303.58	1/2	2,914.90	1/2	2,526.22	1/2	2,137.54	
3/4	3/4	5,120.63	3/4	4,790.16	3/4	4,438.83	3/4	4,069.35	3/4	3,684.16	3/4	3,295.48	3/4	2,906.80	3/4	2,518.12	3/4	2,129.44	
6	6	5,113.05	6	4,783.01	6	4,431.30	6	4,061.48	6	3,676.06	6	3,287.38	6	2,898.70	6	2,510.02	6	2,121.34	
1/4	1/4	5,105.46	1/4	4,775.87	1/4	4,423.77	1/4	4,053.60	1/4	3,667.96	1/4	3,279.28	1/4	2,890.60	1/4	2,501.92	1/4	2,113.24	
1/2	1/2	5,097.88	1/2	4,768.71	1/2	4,416.21	1/2	4,045.70	1/2	3,659.87	1/2	3,271.19	1/2	2,882.51	1/2	2,493.83	1/2	2,105.15	
3/4	3/4	5,090.30	3/4	4,761.54	3/4	4,408.65	3/4	4,037.79	3/4	3,651.77	3/4	3,263.09	3/4	2,874.41	3/4	2,485.73	3/4	2,097.05	
7	7	5,082.72	7	4,754.38	7	4,401.09	7	4,029.89	7	3,643.67	7	3,254.99	7	2,866.31	7	2,477.63	7	2,088.95	
1/4	1/4	5,075.13	1/4	4,747.21	1/4	4,393.53	1/4	4,021.99	1/4	3,635.57	1/4	3,246.89	1/4	2,858.21	1/4	2,469.53	1/4	2,080.85	
1/2	1/2	5,068.45	1/2	4,740.02	1/2	4,385.95	1/2	4,014.06	1/2	3,627.48	1/2	3,238.80	1/2	2,850.12	1/2	2,461.44	1/2	2,072.76	
3/4	3/4	5,061.76	3/4	4,732.83	3/4	4,378.36	3/4	4,006.12	3/4	3,619.38	3/4	3,230.70	3/4	2,842.02	3/4	2,453.34	3/4	2,064.66	
8	8	5,055.07	8	4,725.64	8	4,370.77	8	3,998.19	8	3,611.28	8	3,222.60	8	2,833.92	8	2,445.24	8	2,056.56	
1/4	1/4	5,048.38	1/4	4,718.45	1/4	4,363.19	1/4	3,990.26	1/4	3,603.18	1/4	3,214.50	1/4	2,825.82	1/4	2,437.14	1/4	2,048.46	
1/2	1/2	5,041.97	1/2	4,711.23	1/2	4,355.57	1/2	3,982.30	1/2	3,595.09	1/2	3,206.41	1/2	2,817.73	1/2	2,429.05	1/2	2,040.37	
3/4	3/4	5,035.56	3/4	4,704.01	3/4	4,347.95	3/4	3,974.34	3/4	3,586.99	3/4	3,198.31	3/4	2,809.63	3/4	2,420.95	3/4	2,032.27	
9	9	5,029.15	9	4,696.80	9	4,340.34	9	3,966.38	9	3,578.89	9	3,190.21	9	2,801.53	9	2,412.85	9	2,024.17	
1/4	1/4	5,022.74	1/4	4,689.58	1/4	4,332.72	1/4	3,958.42	1/4	3,570.79	1/4	3,182.11	1/4	2,793.43	1/4	2,404.75	1/4	2,016.07	
1/2	1/2	5,016.30	1/2	4,682.33	1/2	4,325.08	1/2	3,950.43	1/2	3,562.70	1/2	3,174.02	1/2	2,785.34	1/2	2,396.66	1/2	2,007.98	
3/4	3/4	5,009.86	3/4	4,675.08	3/4	4,317.43	3/4	3,942.44	3/4	3,554.60	3/4	3,165.92	3/4	2,777.24	3/4	2,388.56	3/4	1,999.88	
10	10	5,003.42	10	4,667.83	10	4,309.79	10	3,934.45	10	3,546.50	10	3,157.82	10	2,769.14	10	2,380.46	10	1,991.78	
1/4	1/4	4,996.98	1/4	4,660.58	1/4	4,302.15	1/4	3,926.46	1/4	3,538.40	1/4	3,149.72	1/4	2,761.04	1/4	2,372.36	1/4	1,983.68	
1/2	1/2	4,990.52	1/2	4,653.31	1/2	4,294.48	1/2	3,918.44	1/2	3,530.31	1/2	3,141.63	1/2	2,752.95	1/2	2,364.27	1/2	1,975.59	
3/4	3/4	4,984.05	3/4	4,646.03	3/4	4,286.82	3/4	3,910.42	3/4	3,522.21	3/4	3,133.53	3/4	2,744.85	3/4	2,356.17	3/4	1,967.49	
11	11	4,977.58	11	4,638.76	11	4,279.15	11	3,902.40	11	3,514.11	11	3,125.43	11	2,736.75	11	2,348.07	11	1,959.39	
1/4	1/4	4,971.11	1/4	4,631.48	1/4	4,271.49	1/4	3,894.38	1/4	3,506.01	1/4	3,117.33	1/4	2,728.65	1/4	2,339.97	1/4	1,951.29	
1/2	1/2	4,964.62	1/2	4,624.17	1/2	4,263.79	1/2	3,886.34	1/2	3,497.92	1/2	3,109.24	1/2	2,720.56	1/2	2,331.88	1/2	1,943.20	
3/4	3/4	4,958.12	3/4	4,616.85	3/4	4,256.10	3/4	3,878.29	3/4	3,489.82	3/4	3,101.14	3/4	2,712.46	3/4	2,323.78	3/4	1,935.10	

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

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





BARGE "CTCo 354B"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11 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	1,927.00	0	1,538.32	0	1,149.64	0	761.16	0	372.87	0		0		0		0		0	
1/4	1,918.90	1/4	1,530.22	1/4	1,141.54	1/4	753.07	1/4	364.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,910.81	1/2	1,522.13	1/2	1,133.45	1/2	744.99	1/2	356.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,902.71	3/4	1,514.03	3/4	1,125.35	3/4	736.91	3/4	348.58	3/4		3/4		3/4		3/4		3/4	
1	1,894.61	1	1,505.93	1	1,117.25	1	728.83	1	340.49	1		1		1		1		1	
1/4	1,886.51	1/4	1,497.83	1/4	1,109.15	1/4	720.75	1/4	332.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,878.42	1/2	1,489.74	1/2	1,101.06	1/2	712.67	1/2	324.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,870.32	3/4	1,481.64	3/4	1,092.96	3/4	704.59	3/4	316.19	3/4		3/4		3/4		3/4		3/4	
2	1,862.22	2	1,473.54	2	1,084.86	2	696.51	2	308.10	2		2		2		2		2	
1/4	1,854.12	1/4	1,465.44	1/4	1,076.76	1/4	688.42	1/4	300.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,846.03	1/2	1,457.35	1/2	1,068.67	1/2	680.34	1/2	291.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,837.93	3/4	1,449.25	3/4	1,060.57	3/4	672.26	3/4	283.81	3/4		3/4		3/4		3/4		3/4	
3	1,829.83	3	1,441.15	3	1,052.47	3	664.18	3	275.71	3		3		3		3		3	
1/4	1,821.73	1/4	1,433.05	1/4	1,044.37	1/4	656.10	1/4	267.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,813.64	1/2	1,424.96	1/2	1,036.28	1/2	648.02	1/2	259.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,805.54	3/4	1,416.86	3/4	1,028.18	3/4	639.94	3/4	251.42	3/4		3/4		3/4		3/4		3/4	
4	1,797.44	4	1,408.76	4	1,020.08	4	631.86	4	243.32	4		4		4		4		4	
1/4	1,789.34	1/4	1,400.66	1/4	1,011.98	1/4	623.78	1/4	235.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,781.25	1/2	1,392.57	1/2	1,003.89	1/2	615.69	1/2	227.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,773.15	3/4	1,384.47	3/4	995.79	3/4	607.61	3/4	219.03	3/4		3/4		3/4		3/4		3/4	
5	1,765.05	5	1,376.37	5	987.69	5	599.53	5	210.93	5		5		5		5		5	
1/4	1,756.95	1/4	1,368.27	1/4	979.59	1/4	591.45	1/4	202.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,748.86	1/2	1,360.18	1/2	971.50	1/2	583.36	1/2	194.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,740.76	3/4	1,352.08	3/4	963.40	3/4	575.28	3/4	186.64	3/4		3/4		3/4		3/4		3/4	
6	1,732.66	6	1,343.98	6	955.30	6	567.19	6	178.54	6		6		6		6		6	
1/4	1,724.56	1/4	1,335.88	1/4	947.20	1/4	559.10	1/4	170.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,716.47	1/2	1,327.79	1/2	939.11	1/2	551.01	1/2	162.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,708.37	3/4	1,319.69	3/4	931.01	3/4	542.91	3/4	154.25	3/4		3/4		3/4		3/4		3/4	
7	1,700.27	7	1,311.59	7	922.91	7	534.82	7	146.15	7		7		7		7		7	
1/4	1,692.17	1/4	1,303.49	1/4	914.81	1/4	526.72	1/4	138.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,684.08	1/2	1,295.40	1/2	906.72	1/2	518.62	1/2	129.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,675.98	3/4	1,287.30	3/4	898.62	3/4	510.53	3/4	121.86	3/4		3/4		3/4		3/4		3/4	
8	1,667.88	8	1,279.20	8	890.52	8	502.43	8	113.76	8		8		8		8		8	
1/4	1,659.78	1/4	1,271.10	1/4	882.42	1/4	494.33	1/4	105.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,651.69	1/2	1,263.01	1/2	874.33	1/2	486.24	1/2	97.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,643.59	3/4	1,254.91	3/4	866.24	3/4	478.14	3/4	89.47	3/4		3/4		3/4		3/4		3/4	
9	1,635.49	9	1,246.81	9	858.15	9	470.04	9	81.38	9		9		9		9		9	
1/4	1,627.39	1/4	1,238.71	1/4	850.06	1/4	461.94	1/4	73.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,619.30	1/2	1,230.62	1/2	841.98	1/2	453.85	1/2	65.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,611.20	3/4	1,222.52	3/4	833.90	3/4	445.75	3/4	57.10	3/4		3/4		3/4		3/4		3/4	
10	1,603.10	10	1,214.42	10	825.81	10	437.65	10	49.01	10		10		10		10		10	
1/4	1,595.00	1/4	1,206.32	1/4	817.73	1/4	429.56	1/4	40.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,586.91	1/2	1,198.23	1/2	809.65	1/2	421.46	1/2	32.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,578.81	3/4	1,190.13	3/4	801.57	3/4	413.36	3/4	24.74	3/4		3/4		3/4		3/4		3/4	
11	1,570.71	11	1,182.03	11	793.48	11	405.26	11	16.65	11		11		11		11		11	
1/4	1,562.61	1/4	1,173.93	1/4	785.40	1/4	397.17	1/4	8.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,554.52	1/2	1,165.84	1/2	777.32	1/2	389.07	1/2	0.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,546.42	3/4	1,157.74	3/4	769.24	3/4	380.97	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "CTCo 354B"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11 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		0		0	4,951.30	0	4,608.64	0	4,248.39	0	3,870.51	0	3,481.44	0	3,092.68	0	2,703.52	0	2,313.99
1/4	1/4			1/4	4,944.33	1/4	4,601.33	1/4	4,240.71	1/4	3,862.44	1/4	3,473.34	1/4	3,084.57	1/4	2,695.40	1/4	2,305.87
1/2	1/2		5,290.67	1/2	4,937.36	1/2	4,594.02	1/2	4,237.03	1/2	3,854.38	1/2	3,465.25	1/2	3,076.47	1/2	2,687.29	1/2	2,297.76
3/4	3/4		5,285.12	3/4	4,930.36	3/4	4,586.68	3/4	4,225.32	3/4	3,846.28	3/4	3,457.15	3/4	3,068.36	3/4	2,679.17	3/4	2,289.64
1		1	5,279.57	1	4,923.36	1	4,579.33	1	4,217.61	1	3,838.19	1	3,449.06	1	3,060.26	1	2,671.06	1	2,281.53
1/4	1/4		5,274.02	1/4	4,916.37	1/4	4,571.99	1/4	4,209.91	1/4	3,830.09	1/4	3,440.96	1/4	3,052.15	1/4	2,662.94	1/4	2,273.41
1/2	1/2		5,268.47	1/2	4,909.37	1/2	4,564.65	1/2	4,202.20	1/2	3,822.00	1/2	3,432.86	1/2	3,044.04	1/2	2,654.83	1/2	2,265.30
3/4	3/4		5,260.90	3/4	4,902.34	3/4	4,557.28	3/4	4,194.46	3/4	3,813.88	3/4	3,424.77	3/4	3,035.94	3/4	2,646.71	3/4	2,257.18
2		2	5,253.32	2	4,895.31	2	4,549.90	2	4,186.72	2	3,805.77	2	3,416.67	2	3,027.83	2	2,638.60	2	2,249.07
1/4	1/4		5,245.74	1/4	4,888.29	1/4	4,542.53	1/4	4,178.99	1/4	3,797.65	1/4	3,408.58	1/4	3,019.73	1/4	2,630.48	1/4	2,240.95
1/2	1/2		5,238.17	1/2	4,881.26	1/2	4,535.16	1/2	4,171.25	1/2	3,789.54	1/2	3,400.48	1/2	3,011.62	1/2	2,622.37	1/2	2,232.84
3/4	3/4		5,230.09	3/4	4,874.20	3/4	4,527.76	3/4	4,163.48	3/4	3,781.42	3/4	3,392.39	3/4	3,003.52	3/4	2,614.25	3/4	2,224.72
3		3	5,222.00	3	4,867.15	3	4,520.36	3	4,155.72	3	3,773.30	3	3,384.29	3	2,995.41	3	2,606.14	3	2,216.61
1/4	1/4		5,213.92	1/4	4,860.09	1/4	4,512.96	1/4	4,147.95	1/4	3,765.18	1/4	3,376.20	1/4	2,987.30	1/4	2,598.02	1/4	2,208.49
1/2	1/2		5,205.84	1/2	4,853.04	1/2	4,505.56	1/2	4,140.19	1/2	3,757.07	1/2	3,368.10	1/2	2,979.20	1/2	2,589.91	1/2	2,200.38
3/4	3/4		5,197.75	3/4	4,845.95	3/4	4,498.11	3/4	4,132.39	3/4	3,748.95	3/4	3,360.01	3/4	2,971.09	3/4	2,581.79	3/4	2,192.26
4		4	5,189.67	4	4,838.87	4	4,490.66	4	4,124.58	4	3,740.83	4	3,351.91	4	2,962.99	4	2,573.68	4	2,184.15
1/4	1/4		5,181.59	1/4	4,831.78	1/4	4,483.21	1/4	4,116.78	1/4	3,732.71	1/4	3,343.82	1/4	2,954.88	1/4	2,565.56	1/4	2,176.03
1/2	1/2		5,173.51	1/2	4,824.70	1/2	4,475.76	1/2	4,108.98	1/2	3,724.59	1/2	3,335.72	1/2	2,946.78	1/2	2,557.45	1/2	2,167.92
3/4	3/4		5,165.44	3/4	4,817.59	3/4	4,468.27	3/4	4,101.15	3/4	3,716.48	3/4	3,327.62	3/4	2,938.67	3/4	2,549.33	3/4	2,159.80
5		5	5,157.38	5	4,810.47	5	4,460.78	5	4,093.32	5	3,708.37	5	3,319.53	5	2,930.56	5	2,541.21	5	2,151.69
1/4	1/4		5,149.32	1/4	4,803.36	1/4	4,453.30	1/4	4,085.49	1/4	3,700.26	1/4	3,311.43	1/4	2,922.46	1/4	2,533.10	1/4	2,143.57
1/2	1/2		5,141.26	1/2	4,796.25	1/2	4,445.81	1/2	4,077.66	1/2	3,692.15	1/2	3,303.34	1/2	2,914.35	1/2	2,524.98	1/2	2,135.45
3/4	3/4		5,133.20	3/4	4,789.11	3/4	4,438.30	3/4	4,069.80	3/4	3,684.05	3/4	3,295.24	3/4	2,906.25	3/4	2,516.87	3/4	2,127.34
6		6	5,125.15	6	4,781.96	6	4,430.78	6	4,061.94	6	3,675.94	6	3,287.15	6	2,898.14	6	2,508.75	6	2,119.22
1/4	1/4		5,117.09	1/4	4,774.82	1/4	4,423.27	1/4	4,054.08	1/4	3,667.83	1/4	3,279.05	1/4	2,890.03	1/4	2,500.64	1/4	2,111.11
1/2	1/2		5,109.04	1/2	4,767.68	1/2	4,415.75	1/2	4,046.22	1/2	3,659.72	1/2	3,270.96	1/2	2,881.93	1/2	2,492.52	1/2	2,102.99
3/4	3/4		5,100.98	3/4	4,760.52	3/4	4,408.21	3/4	4,038.30	3/4	3,651.61	3/4	3,262.86	3/4	2,873.82	3/4	2,484.41	3/4	2,094.88
7		7	5,092.93	7	4,753.35	7	4,400.66	7	4,030.39	7	3,643.51	7	3,254.77	7	2,865.72	7	2,476.29	7	2,086.76
1/4	1/4		5,084.87	1/4	4,746.19	1/4	4,393.12	1/4	4,022.47	1/4	3,635.40	1/4	3,246.67	1/4	2,857.61	1/4	2,468.18	1/4	2,078.65
1/2	1/2		5,076.82	1/2	4,739.02	1/2	4,385.58	1/2	4,014.56	1/2	3,627.29	1/2	3,238.58	1/2	2,849.51	1/2	2,460.06	1/2	2,070.53
3/4	3/4		5,069.66	3/4	4,731.83	3/4	4,378.00	3/4	4,006.61	3/4	3,619.18	3/4	3,230.47	3/4	2,841.40	3/4	2,451.95	3/4	2,062.42
8		8	5,062.50	8	4,724.64	8	4,370.43	8	3,998.66	8	3,611.08	8	3,222.37	8	2,833.29	8	2,443.83	8	2,054.30
1/4	1/4		5,055.34	1/4	4,717.45	1/4	4,362.86	1/4	3,990.71	1/4	3,602.97	1/4	3,214.26	1/4	2,825.19	1/4	2,435.72	1/4	2,046.19
1/2	1/2		5,048.18	1/2	4,710.26	1/2	4,355.29	1/2	3,982.75	1/2	3,594.86	1/2	3,206.16	1/2	2,817.08	1/2	2,427.60	1/2	2,038.07
3/4	3/4		5,041.30	3/4	4,703.04	3/4	4,347.68	3/4	3,974.77	3/4	3,586.76	3/4	3,198.06	3/4	2,808.98	3/4	2,419.49	3/4	2,029.97
9		9	5,034.41	9	4,695.82	9	4,340.08	9	3,966.79	9	3,578.65	9	3,189.95	9	2,800.87	9	2,411.37	9	2,021.88
1/4	1/4		5,027.53	1/4	4,688.60	1/4	4,332.48	1/4	3,958.81	1/4	3,570.54	1/4	3,181.84	1/4	2,792.77	1/4	2,403.26	1/4	2,013.78
1/2	1/2		5,020.65	1/2	4,681.38	1/2	4,324.88	1/2	3,950.83	1/2	3,562.44	1/2	3,173.74	1/2	2,784.66	1/2	2,395.14	1/2	2,005.68
3/4	3/4		5,013.73	3/4	4,674.13	3/4	4,317.25	3/4	3,942.82	3/4	3,554.33	3/4	3,165.63	3/4	2,776.55	3/4	2,387.03	3/4	1,997.59
10		10	5,006.82	10	4,666.88	10	4,309.62	10	3,934.81	10	3,546.23	10	3,157.53	10	2,768.43	10	2,378.91	10	1,989.50
1/4	1/4		4,999.91	1/4	4,659.63	1/4	4,301.99	1/4	3,926.81	1/4	3,538.12	1/4	3,149.42	1/4	2,760.32	1/4	2,370.80	1/4	1,981.41
1/2	1/2		4,993.00	1/2	4,652.38	1/2	4,294.36	1/2	3,918.80	1/2	3,530.02	1/2	3,141.31	1/2	2,752.21	1/2	2,362.68	1/2	1,973.32
3/4	3/4		4,986.06	3/4	4,645.10	3/4	4,286.71	3/4	3,910.76	3/4	3,521.92	3/4	3,133.21	3/4	2,744.09	3/4	2,354.57	3/4	1,965.23
11		11	4,979.12	11	4,637.83	11	4,279.05	11	3,902.72	11	3,513.82	11	3,125.10	11	2,735.98	11	2,346.45	11	1,957.13
1/4	1/4		4,972.18	1/4	4,630.55	1/4	4,271.40	1/4	3,894.68	1/4	3,505.73	1/4	3,117.00	1/4	2,727.86	1/4	2,338.33	1/4	1,949.04
1/2	1/2		4,965.24	1/2	4,623.27	1/2	4,263.75	1/2	3,886.64	1/2	3,497.63	1/2	3,108.89	1/2	2,719.75	1/2	2,330.22	1/2	1,940.95
3/4	3/4		4,958.27	3/4	4,615.96	3/4	4,256.07	3/4	3,878.58	3/4	3,489.53	3/4	3,100.79	3/4	2,711.63	3/4	2,322.10	3/4	1,932.86

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

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





BARGE "CTCo 354B"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,924.77	0	1,536.12	0	1,146.75	0	761.66	0	381.92	0		0		0		0		0	
1/4	1,916.68	1/4	1,528.01	1/4	1,138.64	1/4	753.85	1/4	373.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,908.59	1/2	1,519.90	1/2	1,130.53	1/2	746.03	1/2	365.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,900.50	3/4	1,511.79	3/4	1,122.41	3/4	738.21	3/4	357.57	3/4		3/4		3/4		3/4		3/4	
1	1,892.40	1	1,503.67	1	1,114.30	1	730.40	1	349.45	1		1		1		1		1	
1/4	1,884.31	1/4	1,495.56	1/4	1,106.19	1/4	722.58	1/4	341.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,876.22	1/2	1,487.45	1/2	1,098.08	1/2	714.77	1/2	333.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,868.13	3/4	1,479.34	3/4	1,089.97	3/4	706.96	3/4	325.10	3/4		3/4		3/4		3/4		3/4	
2	1,860.04	2	1,471.23	2	1,081.85	2	699.14	2	316.98	2		2		2		2		2	
1/4	1,851.95	1/4	1,463.11	1/4	1,073.74	1/4	691.33	1/4	308.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,843.86	1/2	1,455.00	1/2	1,065.63	1/2	683.51	1/2	300.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,835.77	3/4	1,446.89	3/4	1,057.52	3/4	675.70	3/4	292.63	3/4		3/4		3/4		3/4		3/4	
3	1,827.67	3	1,438.78	3	1,049.41	3	667.88	3	284.51	3		3		3		3		3	
1/4	1,819.58	1/4	1,430.67	1/4	1,041.30	1/4	660.07	1/4	276.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,811.49	1/2	1,422.55	1/2	1,033.18	1/2	652.26	1/2	268.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,803.40	3/4	1,414.44	3/4	1,025.07	3/4	644.44	3/4	260.16	3/4		3/4		3/4		3/4		3/4	
4	1,795.31	4	1,406.33	4	1,016.96	4	636.63	4	252.04	4		4		4		4		4	
1/4	1,787.22	1/4	1,398.22	1/4	1,008.85	1/4	628.81	1/4	243.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,779.13	1/2	1,390.11	1/2	1,000.74	1/2	621.00	1/2	235.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,771.03	3/4	1,382.00	3/4	992.62	3/4	613.18	3/4	227.69	3/4		3/4		3/4		3/4		3/4	
5	1,762.94	5	1,373.88	5	984.51	5	605.37	5	219.57	5		5		5		5		5	
1/4	1,754.85	1/4	1,365.77	1/4	976.40	1/4	597.55	1/4	211.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,746.76	1/2	1,357.66	1/2	968.29	1/2	589.74	1/2	203.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,738.67	3/4	1,349.55	3/4	960.18	3/4	581.92	3/4	195.22	3/4		3/4		3/4		3/4		3/4	
6	1,730.58	6	1,341.44	6	952.06	6	574.10	6	187.10	6		6		6		6		6	
1/4	1,722.49	1/4	1,333.32	1/4	943.95	1/4	566.28	1/4	178.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,714.40	1/2	1,325.21	1/2	935.84	1/2	558.46	1/2	170.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,706.30	3/4	1,317.10	3/4	927.73	3/4	550.63	3/4	162.75	3/4		3/4		3/4		3/4		3/4	
7	1,698.21	7	1,308.99	7	919.62	7	542.80	7	154.64	7		7		7		7		7	
1/4	1,690.12	1/4	1,300.88	1/4	911.51	1/4	534.97	1/4	146.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,682.03	1/2	1,292.76	1/2	903.39	1/2	527.14	1/2	138.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,673.94	3/4	1,284.65	3/4	895.38	3/4	519.21	3/4	130.28	3/4		3/4		3/4		3/4		3/4	
8	1,665.85	8	1,276.54	8	887.37	8	511.28	8	122.17	8		8		8		8		8	
1/4	1,657.76	1/4	1,268.43	1/4	879.36	1/4	503.34	1/4	114.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,649.67	1/2	1,260.32	1/2	871.35	1/2	495.41	1/2	105.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,641.56	3/4	1,252.20	3/4	863.48	3/4	487.33	3/4	97.81	3/4		3/4		3/4		3/4		3/4	
9	1,633.45	9	1,244.09	9	855.61	9	479.25	9	89.70	9		9		9		9		9	
1/4	1,625.35	1/4	1,235.98	1/4	847.74	1/4	471.17	1/4	81.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,617.24	1/2	1,227.87	1/2	839.87	1/2	463.09	1/2	73.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,609.13	3/4	1,219.76	3/4	832.05	3/4	454.98	3/4	66.11	3/4		3/4		3/4		3/4		3/4	
10	1,601.02	10	1,211.65	10	824.22	10	446.86	10	58.75	10		10		10		10		10	
1/4	1,592.90	1/4	1,203.53	1/4	816.39	1/4	438.74	1/4	51.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,584.79	1/2	1,195.42	1/2	808.56	1/2	430.62	1/2	44.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,576.68	3/4	1,187.31	3/4	800.74	3/4	422.51	3/4	38.45	3/4		3/4		3/4		3/4		3/4	
11	1,568.57	11	1,179.20	11	792.93	11	414.39	11	32.87	11		11		11		11		11	
1/4	1,560.46	1/4	1,171.09	1/4	785.11	1/4	406.27	1/4	27.29	1/4		1/4		1/4		1/4		1/4	
1/2	1,552.35	1/2	1,162.97	1/2	777.29	1/2	398.15	1/2	21.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,544.23	3/4	1,154.86	3/4	769.48	3/4	390.04	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "CTCo 354B"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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		0	5,270.87	0	4,914.94	0	4,569.50	0	4,207.49	0	3,828.93	0	3,440.96	0	3,053.43	0	2,666.01	0	2,278.74
1/4		1/4	5,265.31	1/4	4,907.91	1/4	4,562.12	1/4	4,199.77	1/4	3,820.86	1/4	3,432.88	1/4	3,045.35	1/4	2,657.95	1/4	2,270.67
1/2		1/2	5,259.75	1/2	4,900.88	1/2	4,554.75	1/2	4,192.05	1/2	3,812.79	1/2	3,424.81	1/2	3,037.28	1/2	2,649.89	1/2	2,262.59
3/4		3/4	5,254.19	3/4	4,893.85	3/4	4,547.37	3/4	4,184.33	3/4	3,804.73	3/4	3,416.73	3/4	3,029.21	3/4	2,641.83	3/4	2,254.52
1		1	5,246.61	1	4,886.79	1	4,539.97	1	4,176.58	1	3,796.64	1	3,408.66	1	3,021.13	1	2,633.77	1	2,246.44
1/4		1/4	5,239.02	1/4	4,879.73	1/4	4,532.56	1/4	4,168.83	1/4	3,788.56	1/4	3,400.58	1/4	3,013.06	1/4	2,625.71	1/4	2,238.36
1/2		1/2	5,231.44	1/2	4,872.67	1/2	4,525.15	1/2	4,161.08	1/2	3,780.47	1/2	3,392.51	1/2	3,004.99	1/2	2,617.65	1/2	2,230.29
3/4		3/4	5,223.86	3/4	4,865.61	3/4	4,517.75	3/4	4,153.33	3/4	3,772.39	3/4	3,384.44	3/4	2,996.91	3/4	2,609.59	3/4	2,222.21
2		2	5,215.77	2	4,858.52	2	4,510.32	2	4,145.55	2	3,764.30	2	3,376.36	2	2,988.84	2	2,601.53	2	2,214.13
1/4		1/4	5,207.68	1/4	4,851.43	1/4	4,502.88	1/4	4,137.77	1/4	3,756.21	1/4	3,368.29	1/4	2,980.77	1/4	2,593.47	1/4	2,206.06
1/2		1/2	5,199.59	1/2	4,844.34	1/2	4,495.45	1/2	4,129.99	1/2	3,748.12	1/2	3,360.22	1/2	2,972.69	1/2	2,585.41	1/2	2,197.98
3/4		3/4	5,191.51	3/4	4,837.25	3/4	4,488.01	3/4	4,122.21	3/4	3,740.04	3/4	3,352.14	3/4	2,964.62	3/4	2,577.35	3/4	2,189.90
3		3	5,183.42	3	4,830.13	3	4,480.55	3	4,114.41	3	3,731.95	3	3,344.07	3	2,956.55	3	2,569.29	3	2,181.83
1/4		1/4	5,175.33	1/4	4,823.02	1/4	4,473.09	1/4	4,106.60	1/4	3,723.86	1/4	3,336.00	1/4	2,948.47	1/4	2,561.23	1/4	2,173.75
1/2		1/2	5,167.24	1/2	4,815.90	1/2	4,465.63	1/2	4,098.79	1/2	3,715.77	1/2	3,327.92	1/2	2,940.40	1/2	2,553.17	1/2	2,165.67
3/4		3/4	5,159.15	3/4	4,808.78	3/4	4,458.16	3/4	4,090.98	3/4	3,707.68	3/4	3,319.85	3/4	2,932.33	3/4	2,545.11	3/4	2,157.60
4		4	5,151.07	4	4,801.63	4	4,450.67	4	4,083.15	4	3,699.60	4	3,311.78	4	2,924.25	4	2,537.05	4	2,149.52
1/4		1/4	5,142.98	1/4	4,794.49	1/4	4,443.18	1/4	4,075.31	1/4	3,691.51	1/4	3,303.70	1/4	2,916.18	1/4	2,529.00	1/4	2,141.45
1/2		1/2	5,134.89	1/2	4,787.34	1/2	4,435.69	1/2	4,067.47	1/2	3,683.42	1/2	3,295.63	1/2	2,908.11	1/2	2,520.94	1/2	2,133.37
3/4		3/4	5,126.80	3/4	4,780.20	3/4	4,428.20	3/4	4,059.64	3/4	3,675.33	3/4	3,287.56	3/4	2,900.03	3/4	2,512.88	3/4	2,125.29
5		5	5,118.71	5	4,773.02	5	4,420.68	5	4,051.77	5	3,667.24	5	3,279.48	5	2,891.96	5	2,504.82	5	2,117.22
1/4		1/4	5,110.62	1/4	4,765.84	1/4	4,413.16	1/4	4,043.91	1/4	3,659.15	1/4	3,271.41	1/4	2,883.89	1/4	2,496.76	1/4	2,109.14
1/2		1/2	5,102.54	1/2	4,758.67	1/2	4,405.64	1/2	4,036.04	1/2	3,651.07	1/2	3,263.34	1/2	2,875.81	1/2	2,488.70	1/2	2,101.06
3/4		3/4	5,094.45	3/4	4,751.49	3/4	4,398.12	3/4	4,028.17	3/4	3,642.98	3/4	3,255.26	3/4	2,867.74	3/4	2,480.64	3/4	2,092.99
6		6	5,086.36	6	4,744.29	6	4,390.57	6	4,020.28	6	3,634.89	6	3,247.19	6	2,859.66	6	2,472.56	6	2,084.91
1/4		1/4	5,078.27	1/4	4,737.09	1/4	4,383.02	1/4	4,012.39	1/4	3,626.80	1/4	3,239.11	1/4	2,851.59	1/4	2,464.49	1/4	2,076.83
1/2		1/2	5,070.18	1/2	4,729.88	1/2	4,375.47	1/2	4,004.49	1/2	3,618.71	1/2	3,231.04	1/2	2,843.52	1/2	2,456.42	1/2	2,068.76
3/4		3/4	5,062.10	3/4	4,722.68	3/4	4,367.92	3/4	3,996.60	3/4	3,610.63	3/4	3,222.97	3/4	2,835.44	3/4	2,448.35	3/4	2,060.68
7		7	5,054.90	7	4,715.45	7	4,360.34	7	3,988.68	7	3,602.54	7	3,214.89	7	2,827.37	7	2,440.27	7	2,052.61
1/4		1/4	5,047.71	1/4	4,708.21	1/4	4,352.77	1/4	3,980.75	1/4	3,594.45	1/4	3,206.82	1/4	2,819.30	1/4	2,432.20	1/4	2,044.53
1/2		1/2	5,040.52	1/2	4,700.98	1/2	4,345.19	1/2	3,972.83	1/2	3,586.36	1/2	3,198.75	1/2	2,811.22	1/2	2,424.12	1/2	2,036.45
3/4		3/4	5,033.32	3/4	4,693.75	3/4	4,337.61	3/4	3,964.91	3/4	3,578.27	3/4	3,190.67	3/4	2,803.15	3/4	2,416.04	3/4	2,028.38
8		8	5,026.41	8	4,686.49	8	4,330.00	8	3,956.96	8	3,570.19	8	3,182.60	8	2,795.08	8	2,407.97	8	2,020.30
1/4		1/4	5,019.49	1/4	4,679.23	1/4	4,322.40	1/4	3,949.00	1/4	3,562.11	1/4	3,174.53	1/4	2,787.00	1/4	2,399.89	1/4	2,012.22
1/2		1/2	5,012.57	1/2	4,671.96	1/2	4,314.79	1/2	3,941.05	1/2	3,554.03	1/2	3,166.45	1/2	2,778.93	1/2	2,391.81	1/2	2,004.15
3/4		3/4	5,005.66	3/4	4,664.70	3/4	4,307.18	3/4	3,933.10	3/4	3,545.95	3/4	3,158.38	3/4	2,770.86	3/4	2,383.74	3/4	1,996.07
9		9	4,998.71	9	4,657.41	9	4,299.55	9	3,925.12	9	3,537.88	9	3,150.31	9	2,762.78	9	2,375.66	9	1,987.99
1/4		1/4	4,991.77	1/4	4,650.12	1/4	4,291.91	1/4	3,917.14	1/4	3,529.80	1/4	3,142.23	1/4	2,754.71	1/4	2,367.58	1/4	1,979.92
1/2		1/2	4,984.82	1/2	4,642.83	1/2	4,284.28	1/2	3,909.16	1/2	3,521.73	1/2	3,134.16	1/2	2,746.64	1/2	2,359.51	1/2	1,971.84
3/4		3/4	4,977.88	3/4	4,635.54	3/4	4,276.64	3/4	3,901.18	3/4	3,513.65	3/4	3,126.09	3/4	2,738.56	3/4	2,351.43	3/4	1,963.76
10		10	4,970.90	10	4,628.22	10	4,268.98	10	3,893.17	10	3,505.57	10	3,118.01	10	2,730.50	10	2,343.36	10	1,955.69
1/4		1/4	4,963.93	1/4	4,620.90	1/4	4,261.32	1/4	3,885.16	1/4	3,497.50	1/4	3,109.94	1/4	2,722.44	1/4	2,335.28	1/4	1,947.61
1/2		1/2	4,956.96	1/2	4,613.59	1/2	4,253.65	1/2	3,877.15	1/2	3,489.42	1/2	3,101.87	1/2	2,714.37	1/2	2,327.20	1/2	1,939.54
3/4		3/4	4,949.98	3/4	4,606.27	3/4	4,245.99	3/4	3,869.14	3/4	3,481.34	3/4	3,093.79	3/4	2,706.31	3/4	2,319.13	3/4	1,931.46
11		11	4,942.98	11	4,598.92	11	4,238.29	11	3,861.11	11	3,473.27	11	3,085.72	11	2,698.25	11	2,311.05	11	1,923.43
1/4		1/4	4,935.98	1/4	4,591.57	1/4	4,230.60	1/4	3,853.07	1/4	3,465.19	1/4	3,077.65	1/4	2,690.19	1/4	2,302.97	1/4	1,915.39
1/2		1/2	4,928.97	1/2	4,584.22	1/2	4,222.91	1/2	3,845.03	1/2	3,457.11	1/2	3,069.57	1/2	2,682.13	1/2	2,294.90	1/2	1,907.36
3/4		3/4	5,276.43	3/4	4,921.97	3/4	4,576.88	3/4	4,215.22	3/4	3,836.99	3/4	3,449.04	3/4	3,061.50	3/4	2,674.07	3/4	2,286.82

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

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





BARGE "CTCo 354B"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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	1,891.30	0	1,506.15	0	1,118.48	0	735.57	0	355.82	0		0		0		0		0	
1/4	1,883.28	1/4	1,498.07	1/4	1,110.41	1/4	727.76	1/4	347.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,875.26	1/2	1,490.00	1/2	1,102.33	1/2	719.95	1/2	339.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,867.25	3/4	1,481.92	3/4	1,094.25	3/4	712.15	3/4	331.59	3/4		3/4		3/4		3/4		3/4	
1	1,859.23	1	1,473.84	1	1,086.18	1	704.34	1	323.52	1		1		1		1		1	
1/4	1,851.21	1/4	1,465.77	1/4	1,078.10	1/4	696.53	1/4	315.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,843.19	1/2	1,457.69	1/2	1,070.02	1/2	688.72	1/2	307.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,835.17	3/4	1,449.62	3/4	1,061.95	3/4	680.91	3/4	299.29	3/4		3/4		3/4		3/4		3/4	
2	1,827.15	2	1,441.54	2	1,053.87	2	673.10	2	291.21	2		2		2		2		2	
1/4	1,819.13	1/4	1,433.46	1/4	1,045.80	1/4	665.30	1/4	283.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,811.11	1/2	1,425.39	1/2	1,037.72	1/2	657.49	1/2	275.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,803.09	3/4	1,417.31	3/4	1,029.64	3/4	649.68	3/4	266.99	3/4		3/4		3/4		3/4		3/4	
3	1,795.07	3	1,409.23	3	1,021.57	3	641.87	3	258.91	3		3		3		3		3	
1/4	1,787.05	1/4	1,401.16	1/4	1,013.49	1/4	634.06	1/4	250.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,779.03	1/2	1,393.08	1/2	1,005.41	1/2	626.26	1/2	242.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,771.01	3/4	1,385.00	3/4	997.34	3/4	618.45	3/4	234.68	3/4		3/4		3/4		3/4		3/4	
4	1,762.99	4	1,376.93	4	989.26	4	610.64	4	226.60	4		4		4		4		4	
1/4	1,754.98	1/4	1,368.85	1/4	981.18	1/4	602.83	1/4	218.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,746.96	1/2	1,360.78	1/2	973.11	1/2	595.02	1/2	210.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,738.94	3/4	1,352.70	3/4	965.03	3/4	587.21	3/4	202.38	3/4		3/4		3/4		3/4		3/4	
5	1,730.92	5	1,344.62	5	956.96	5	579.40	5	194.30	5		5		5		5		5	
1/4	1,722.90	1/4	1,336.55	1/4	948.88	1/4	571.58	1/4	186.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,714.88	1/2	1,328.47	1/2	940.80	1/2	563.77	1/2	178.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,706.86	3/4	1,320.39	3/4	932.73	3/4	555.96	3/4	170.07	3/4		3/4		3/4		3/4		3/4	
6	1,698.84	6	1,312.32	6	924.65	6	548.13	6	162.00	6		6		6		6		6	
1/4	1,690.82	1/4	1,304.24	1/4	916.57	1/4	540.31	1/4	153.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,682.80	1/2	1,296.16	1/2	908.50	1/2	532.49	1/2	145.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,674.78	3/4	1,288.09	3/4	900.42	3/4	524.67	3/4	137.77	3/4		3/4		3/4		3/4		3/4	
7	1,666.76	7	1,280.01	7	892.44	7	516.75	7	129.69	7		7		7		7		7	
1/4	1,658.74	1/4	1,271.93	1/4	884.46	1/4	508.83	1/4	121.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,650.72	1/2	1,263.86	1/2	876.47	1/2	500.91	1/2	113.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,642.71	3/4	1,255.78	3/4	868.49	3/4	492.99	3/4	105.46	3/4		3/4		3/4		3/4		3/4	
8	1,634.69	8	1,247.71	8	860.64	8	484.95	8	97.39	8		8		8		8		8	
1/4	1,626.67	1/4	1,239.63	1/4	852.79	1/4	476.90	1/4	89.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,618.65	1/2	1,231.55	1/2	844.94	1/2	468.86	1/2	81.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,610.63	3/4	1,223.48	3/4	837.09	3/4	460.81	3/4	73.16	3/4		3/4		3/4		3/4		3/4	
9	1,602.61	9	1,215.40	9	829.28	9	452.74	9	65.84	9		9		9		9		9	
1/4	1,594.59	1/4	1,207.32	1/4	821.47	1/4	444.66	1/4	58.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,586.57	1/2	1,199.25	1/2	813.66	1/2	436.58	1/2	51.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,578.55	3/4	1,191.17	3/4	805.85	3/4	428.51	3/4	43.88	3/4		3/4		3/4		3/4		3/4	
10	1,570.53	10	1,183.09	10	798.04	10	420.43	10	38.32	10		10		10		10		10	
1/4	1,562.51	1/4	1,175.02	1/4	790.23	1/4	412.35	1/4	32.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,554.49	1/2	1,166.94	1/2	782.43	1/2	404.28	1/2	27.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,546.47	3/4	1,158.87	3/4	774.62	3/4	396.20	3/4	21.65	3/4		3/4		3/4		3/4		3/4	
11	1,538.41	11	1,150.79	11	766.81	11	388.13	11		11		11		11		11		11	
1/4	1,530.35	1/4	1,142.71	1/4	759.00	1/4	380.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,522.29	1/2	1,134.64	1/2	751.19	1/2	371.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,514.23	3/4	1,126.56	3/4	743.38	3/4	363.90	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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