



BARGE "CTCo 358"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-06"

July 16, 2014

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 358"

3 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 14'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	4,409.82	0	4,175.49	0	3,964.23	0	3,731.02	0	3,475.80	0	3,166.57	0	2,806.45	0	2,446.50	0	2,086.57	
1/4	1/4	4,403.29	1/4	4,171.30	1/4	3,959.59	1/4	3,725.91	1/4	3,470.26	1/4	3,159.07	1/4	2,798.95	1/4	2,439.01	1/4	2,079.07	
1/2	1/2	4,396.76	1/2	4,167.11	1/2	3,954.94	1/2	3,720.79	1/2	3,464.71	1/2	3,151.56	1/2	2,791.45	1/2	2,431.52	1/2	2,071.56	
3/4	3/4	4,390.23	3/4	4,162.92	3/4	3,950.30	3/4	3,715.68	3/4	3,459.17	3/4	3,144.06	3/4	2,783.95	3/4	2,424.04	3/4	2,064.06	
1	1	4,383.70	1	4,158.74	1	3,945.65	1	3,710.57	1	3,453.63	1	3,136.56	1	2,776.44	1	2,416.55	1	2,056.55	
1/4	1/4	4,378.16	1/4	4,154.50	1/4	3,940.97	1/4	3,705.42	1/4	3,448.09	1/4	3,129.06	1/4	2,768.94	1/4	2,409.06	1/4	2,049.05	
1/2	1/2	4,372.62	1/2	4,150.27	1/2	3,936.28	1/2	3,700.28	1/2	3,442.55	1/2	3,121.55	1/2	2,761.44	1/2	2,401.57	1/2	2,041.54	
3/4	3/4	4,367.08	3/4	4,146.04	3/4	3,931.59	3/4	3,695.13	3/4	3,437.01	3/4	3,114.05	3/4	2,753.94	3/4	2,394.08	3/4	2,034.04	
2	2	4,361.54	2	4,141.81	2	3,926.90	2	3,689.99	2	3,431.46	2	3,106.55	2	2,746.43	2	2,386.59	2	2,026.53	
1/4	1/4	4,356.00	1/4	4,137.54	1/4	3,922.18	1/4	3,684.81	1/4	3,425.92	1/4	3,099.05	1/4	2,738.93	1/4	2,379.10	1/4	2,019.02	
1/2	1/2	4,350.45	1/2	4,133.28	1/2	3,917.46	1/2	3,679.63	1/2	3,420.38	1/2	3,091.54	1/2	2,731.43	1/2	2,371.62	1/2	2,011.52	
3/4	3/4	4,344.91	3/4	4,129.01	3/4	3,912.74	3/4	3,674.45	3/4	3,414.84	3/4	3,084.04	3/4	2,723.93	3/4	2,364.13	3/4	2,004.01	
3	3	4,339.37	3	4,124.75	3	3,908.01	3	3,669.27	3	3,409.30	3	3,076.54	3	2,716.42	3	2,356.64	3	1,996.51	
1/4	1/4	4,333.83	1/4	4,120.44	1/4	3,903.25	1/4	3,664.05	1/4	3,403.76	1/4	3,069.04	1/4	2,708.92	1/4	2,349.15	1/4	1,989.00	
1/2	1/2	4,328.29	1/2	4,116.12	1/2	3,898.48	1/2	3,658.83	1/2	3,398.21	1/2	3,061.53	1/2	2,701.42	1/2	2,341.66	1/2	1,981.50	
3/4	3/4	4,322.74	3/4	4,111.81	3/4	3,893.71	3/4	3,653.60	3/4	3,392.67	3/4	3,054.03	3/4	2,693.92	3/4	2,334.17	3/4	1,973.99	
4	4	4,317.20	4	4,107.50	4	3,888.95	4	3,648.38	4	3,387.13	4	3,046.53	4	2,686.41	4	2,326.68	4	1,966.49	
1/4	1/4	4,311.66	1/4	4,103.16	1/4	3,884.15	1/4	3,643.12	1/4	3,381.59	1/4	3,039.03	1/4	2,678.91	1/4	2,319.19	1/4	1,958.98	
1/2	1/2	4,306.12	1/2	4,098.81	1/2	3,879.35	1/2	3,637.87	1/2	3,376.05	1/2	3,031.52	1/2	2,671.41	1/2	2,311.71	1/2	1,951.48	
3/4	3/4	4,300.58	3/4	4,094.47	3/4	3,874.55	3/4	3,632.61	3/4	3,370.51	3/4	3,024.02	3/4	2,663.91	3/4	2,304.22	3/4	1,943.97	
5	5	4,295.04	5	4,090.13	5	3,869.75	5	3,627.35	5	3,364.96	5	3,016.52	5	2,656.40	5	2,296.73	5	1,936.46	
1/4	1/4	4,289.49	1/4	4,085.75	1/4	3,864.90	1/4	3,622.05	1/4	3,359.42	1/4	3,009.02	1/4	2,648.90	1/4	2,289.22	1/4	1,928.96	
1/2	1/2	4,283.95	1/2	4,081.37	1/2	3,860.06	1/2	3,616.75	1/2	3,353.88	1/2	3,001.52	1/2	2,641.40	1/2	2,281.72	1/2	1,921.45	
3/4	3/4	4,278.41	3/4	4,077.00	3/4	3,855.21	3/4	3,611.45	3/4	3,348.34	3/4	2,994.01	3/4	2,633.90	3/4	2,274.21	3/4	1,913.95	
6	6	4,272.87	6	4,072.62	6	3,850.36	6	3,606.15	6	3,342.80	6	2,986.51	6	2,626.40	6	2,266.71	6	1,906.44	
1/4	1/4	4,268.91	1/4	4,068.20	1/4	3,845.49	1/4	3,600.81	1/4	3,336.27	1/4	2,979.01	1/4	2,618.89	1/4	2,259.20	1/4	1,898.94	
1/2	1/2	4,264.94	1/2	4,063.78	1/2	3,840.61	1/2	3,595.48	1/2	3,329.74	1/2	2,971.51	1/2	2,611.39	1/2	2,251.70	1/2	1,891.43	
3/4	3/4	4,260.98	3/4	4,059.36	3/4	3,835.73	3/4	3,590.15	3/4	3,323.21	3/4	2,964.00	3/4	2,603.89	3/4	2,244.19	3/4	1,883.93	
7	7	4,255.01	7	4,054.94	7	3,830.85	7	3,584.81	7	3,316.68	7	2,956.50	7	2,596.39	7	2,236.68	7	1,876.42	
1/4	1/4	4,253.01	1/4	4,050.48	1/4	3,825.94	1/4	3,579.43	1/4	3,309.17	1/4	2,949.00	1/4	2,588.88	1/4	2,229.18	1/4	1,868.91	
1/2	1/2	4,249.02	1/2	4,046.03	1/2	3,821.03	1/2	3,574.05	1/2	3,301.67	1/2	2,941.50	1/2	2,581.38	1/2	2,221.67	1/2	1,861.41	
3/4	3/4	4,245.02	3/4	4,041.57	3/4	3,816.12	3/4	3,568.67	3/4	3,294.16	3/4	2,933.99	3/4	2,573.88	3/4	2,214.17	3/4	1,853.90	
8	8	4,241.02	8	4,037.12	8	3,811.20	8	3,563.29	8	3,286.66	8	2,926.49	8	2,566.38	8	2,206.66	8	1,846.40	
1/4	1/4	4,236.98	1/4	4,032.62	1/4	3,806.25	1/4	3,557.87	1/4	3,279.15	1/4	2,918.99	1/4	2,558.87	1/4	2,199.16	1/4	1,838.89	
1/2	1/2	4,232.93	1/2	4,028.12	1/2	3,801.29	1/2	3,552.46	1/2	3,271.65	1/2	2,911.49	1/2	2,551.37	1/2	2,191.65	1/2	1,831.39	
3/4	3/4	4,228.89	3/4	4,023.62	3/4	3,796.34	3/4	3,547.05	3/4	3,264.14	3/4	2,903.98	3/4	2,543.87	3/4	2,184.15	3/4	1,823.88	
9	9	4,224.84	9	4,019.12	9	3,791.38	9	3,541.64	9	3,256.64	9	2,896.48	9	2,536.37	9	2,176.64	9	1,816.38	
1/4	1/4	4,220.77	1/4	4,014.59	1/4	3,786.40	1/4	3,536.19	1/4	3,249.13	1/4	2,888.98	1/4	2,528.88	1/4	2,169.13	1/4	1,808.87	
1/2	1/2	4,216.69	1/2	4,010.06	1/2	3,781.41	1/2	3,530.75	1/2	3,241.62	1/2	2,881.48	1/2	2,521.39	1/2	2,161.63	1/2	1,801.37	
3/4	3/4	4,212.61	3/4	4,005.52	3/4	3,776.42	3/4	3,525.30	3/4	3,234.12	3/4	2,873.97	3/4	2,513.90	3/4	2,154.12	3/4	1,793.86	
10	10	4,208.54	10	4,000.99	10	3,771.43	10	3,519.85	10	3,226.61	10	2,866.47	10	2,506.41	10	2,146.62	10	1,786.35	
1/4	1/4	4,204.43	1/4	3,996.41	1/4	3,766.39	1/4	3,514.36	1/4	3,219.11	1/4	2,858.97	1/4	2,498.92	1/4	2,139.11	1/4	1,778.91	
1/2	1/2	4,200.32	1/2	3,991.83	1/2	3,761.36	1/2	3,508.87	1/2	3,211.60	1/2	2,851.47	1/2	2,491.43	1/2	2,131.61	1/2	1,771.46	
3/4	3/4	4,196.21	3/4	3,987.25	3/4	3,756.33	3/4	3,503.38	3/4	3,204.10	3/4	2,843.96	3/4	2,483.95	3/4	2,124.10	3/4	1,764.01	
11	11	4,192.10	11	3,982.67	11	3,751.29	11	3,497.89	11	3,196.59	11	2,836.46	11	2,476.46	11	2,116.60	11	1,756.56	
1/4	1/4	4,187.95	1/4	3,978.06	1/4	3,746.22	1/4	3,492.37	1/4	3,189.08	1/4	2,828.96	1/4	2,468.97	1/4	2,109.09	1/4	1,749.11	
1/2	1/2	4,183.79	1/2	3,973.45	1/2	3,741.16	1/2	3,486.85	1/2	3,181.58	1/2	2,821.46	1/2	2,461.48	1/2	2,101.59	1/2	1,741.66	
3/4	3/4	4,179.64	3/4	3,968.84	3/4	3,736.09	3/4	3,481.32	3/4	3,174.07	3/4	2,813.96	3/4	2,453.99	3/4	2,094.08	3/4	1,734.22	

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'-03" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD

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



BARGE "CTCo 358"

3 STBD
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 14'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	1,726.77	0	1,368.79	0	1,008.53	0	654.09	0	300.68	0		0		0		0		0	
1/4	1,719.32	1/4	1,361.28	1/4	1,001.02	1/4	646.85	1/4	293.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,711.87	1/2	1,353.78	1/2	993.52	1/2	639.62	1/2	285.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,704.42	3/4	1,346.27	3/4	986.01	3/4	632.38	3/4	278.16	3/4		3/4		3/4		3/4		3/4	
1	1,696.97	1	1,338.77	1	978.51	1	625.14	1	270.66	1		1		1		1		1	
1/4	1,689.52	1/4	1,331.26	1/4	971.00	1/4	617.91	1/4	263.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,682.08	1/2	1,323.76	1/2	963.50	1/2	610.67	1/2	255.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,674.63	3/4	1,316.25	3/4	955.99	3/4	603.43	3/4	248.14	3/4		3/4		3/4		3/4		3/4	
2	1,667.18	2	1,308.74	2	948.49	2	596.19	2	240.63	2		2		2		2		2	
1/4	1,659.73	1/4	1,301.24	1/4	940.98	1/4	588.96	1/4	233.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,652.28	1/2	1,293.73	1/2	933.47	1/2	581.72	1/2	225.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,644.83	3/4	1,286.23	3/4	925.97	3/4	574.48	3/4	218.12	3/4		3/4		3/4		3/4		3/4	
3	1,637.39	3	1,278.72	3	918.46	3	567.24	3	210.61	3		3		3		3		3	
1/4	1,629.94	1/4	1,271.22	1/4	910.96	1/4	560.00	1/4	203.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,622.49	1/2	1,263.71	1/2	903.45	1/2	552.77	1/2	195.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,615.04	3/4	1,256.21	3/4	895.95	3/4	545.53	3/4	188.10	3/4		3/4		3/4		3/4		3/4	
4	1,607.59	4	1,248.70	4	888.44	4	538.29	4	180.59	4		4		4		4		4	
1/4	1,600.14	1/4	1,241.20	1/4	880.94	1/4	531.04	1/4	173.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,592.70	1/2	1,233.69	1/2	873.43	1/2	523.80	1/2	165.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,585.25	3/4	1,226.19	3/4	865.93	3/4	516.56	3/4	158.08	3/4		3/4		3/4		3/4		3/4	
5	1,577.80	5	1,218.68	5	858.42	5	509.31	5	150.57	5		5		5		5		5	
1/4	1,570.35	1/4	1,211.17	1/4	850.92	1/4	502.06	1/4	143.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,562.90	1/2	1,203.67	1/2	843.41	1/2	494.80	1/2	135.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,555.45	3/4	1,196.16	3/4	835.90	3/4	487.55	3/4	128.06	3/4		3/4		3/4		3/4		3/4	
6	1,548.01	6	1,188.66	6	828.40	6	480.30	6	120.55	6		6		6		6		6	
1/4	1,540.56	1/4	1,181.15	1/4	821.02	1/4	472.92	1/4	113.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,533.11	1/2	1,173.65	1/2	813.64	1/2	465.54	1/2	105.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,525.66	3/4	1,166.14	3/4	806.26	3/4	458.16	3/4	98.04	3/4		3/4		3/4		3/4		3/4	
7	1,518.21	7	1,158.64	7	798.88	7	450.78	7	90.53	7		7		7		7		7	
1/4	1,510.76	1/4	1,151.13	1/4	791.63	1/4	443.28	1/4	83.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,503.31	1/2	1,143.63	1/2	784.39	1/2	435.77	1/2	75.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,495.87	3/4	1,136.12	3/4	777.14	3/4	428.26	3/4	68.01	3/4		3/4		3/4		3/4		3/4	
8	1,488.42	8	1,128.61	8	769.90	8	420.76	8	60.51	8		8		8		8		8	
1/4	1,480.97	1/4	1,121.11	1/4	762.66	1/4	413.25	1/4	53.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,473.52	1/2	1,113.60	1/2	755.42	1/2	405.75	1/2	47.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,466.07	3/4	1,106.10	3/4	748.18	3/4	398.24	3/4	40.81	3/4		3/4		3/4		3/4		3/4	
9	1,458.62	9	1,098.59	9	740.95	9	390.74	9	34.24	9		9		9		9		9	
1/4	1,451.18	1/4	1,091.09	1/4	733.71	1/4	383.23	1/4	29.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,443.73	1/2	1,083.58	1/2	726.47	1/2	375.73	1/2	24.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,436.28	3/4	1,076.08	3/4	719.23	3/4	368.22	3/4	20.15	3/4		3/4		3/4		3/4		3/4	
10	1,428.83	10	1,068.57	10	711.99	10	360.72	10	15.45	10		10		10		10		10	
1/4	1,421.33	1/4	1,061.07	1/4	704.76	1/4	353.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,413.82	1/2	1,053.56	1/2	697.52	1/2	345.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,406.31	3/4	1,046.06	3/4	690.28	3/4	338.20	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,398.81	11	1,038.55	11	683.04	11	330.70	11		11		11		11		11		11	
1/4	1,391.30	1/4	1,031.04	1/4	675.80	1/4	323.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,383.80	1/2	1,023.54	1/2	668.57	1/2	315.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,376.29	3/4	1,016.03	3/4	661.33	3/4	308.18	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2014 CL
 CALCULATED: 07/16/2014 CL
 PRINTED: 07/16/2014 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 07/2014

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



BARGE "CTCo 358"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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	4,178.15	0	3,970.50	0	3,739.72	0	3,485.72	0	3,178.67	0	2,818.56	0	2,458.05	0	2,097.23
1/4		1/4	4,405.75	1/4	4,174.06	1/4	3,965.95	1/4	3,734.69	1/4	3,480.19	1/4	3,171.17	1/4	2,811.05	1/4	2,450.53	1/4	2,089.71
1/2		1/2	4,399.26	1/2	4,169.93	1/2	3,961.37	1/2	3,729.62	1/2	3,474.65	1/2	3,163.68	1/2	2,803.54	1/2	2,443.02	1/2	2,082.19
3/4		3/4	4,392.76	3/4	4,165.81	3/4	3,956.79	3/4	3,724.55	3/4	3,469.10	3/4	3,156.18	3/4	2,796.04	3/4	2,435.50	3/4	2,074.68
1		1	4,386.26	1	4,161.68	1	3,952.20	1	3,719.47	1	3,463.56	1	3,148.68	1	2,788.53	1	2,427.98	1	2,067.16
1/4		1/4	4,379.77	1/4	4,157.56	1/4	3,947.62	1/4	3,714.40	1/4	3,458.02	1/4	3,141.18	1/4	2,781.02	1/4	2,420.46	1/4	2,059.64
1/2		1/2	4,374.26	1/2	4,153.39	1/2	3,943.00	1/2	3,709.30	1/2	3,452.48	1/2	3,133.69	1/2	2,773.51	1/2	2,412.95	1/2	2,052.13
3/4		3/4	4,368.75	3/4	4,149.22	3/4	3,938.37	3/4	3,704.20	3/4	3,446.93	3/4	3,126.19	3/4	2,766.01	3/4	2,405.43	3/4	2,044.61
2		2	4,363.24	2	4,145.05	2	3,933.75	2	3,699.09	2	3,441.39	2	3,118.69	2	2,758.50	2	2,397.91	2	2,037.09
1/4		1/4	4,357.74	1/4	4,140.88	1/4	3,929.12	1/4	3,693.99	1/4	3,435.85	1/4	3,111.19	1/4	2,750.99	1/4	2,390.40	1/4	2,029.58
1/2		1/2	4,352.23	1/2	4,136.68	1/2	3,924.43	1/2	3,688.85	1/2	3,430.30	1/2	3,103.70	1/2	2,743.48	1/2	2,382.88	1/2	2,022.06
3/4		3/4	4,346.72	3/4	4,132.47	3/4	3,919.74	3/4	3,683.70	3/4	3,424.76	3/4	3,096.20	3/4	2,735.98	3/4	2,375.36	3/4	2,014.54
3		3	4,341.21	3	4,128.27	3	3,915.06	3	3,678.55	3	3,419.22	3	3,088.70	3	2,728.47	3	2,367.84	3	2,007.02
1/4		1/4	4,335.70	1/4	4,124.07	1/4	3,910.37	1/4	3,673.41	1/4	3,413.67	1/4	3,081.21	1/4	2,720.96	1/4	2,360.33	1/4	1,999.51
1/2		1/2	4,330.22	1/2	4,119.82	1/2	3,905.63	1/2	3,668.22	1/2	3,408.14	1/2	3,073.71	1/2	2,713.45	1/2	2,352.81	1/2	1,991.99
3/4		3/4	4,324.74	3/4	4,115.57	3/4	3,900.90	3/4	3,663.03	3/4	3,402.61	3/4	3,066.21	3/4	2,705.94	3/4	2,345.29	3/4	1,984.47
4		4	4,319.26	4	4,111.32	4	3,896.17	4	3,657.84	4	3,397.07	4	3,058.71	4	2,698.44	4	2,337.78	4	1,976.96
1/4		1/4	4,313.78	1/4	4,107.07	1/4	3,891.44	1/4	3,652.65	1/4	3,391.54	1/4	3,051.22	1/4	2,690.93	1/4	2,330.26	1/4	1,969.44
1/2		1/2	4,308.30	1/2	4,102.79	1/2	3,886.67	1/2	3,647.43	1/2	3,386.01	1/2	3,043.72	1/2	2,683.42	1/2	2,322.74	1/2	1,961.92
3/4		3/4	4,302.82	3/4	4,098.51	3/4	3,881.90	3/4	3,642.21	3/4	3,380.48	3/4	3,036.22	3/4	2,675.91	3/4	2,315.22	3/4	1,954.40
5		5	4,297.34	5	4,094.23	5	3,877.14	5	3,636.98	5	3,374.94	5	3,028.72	5	2,668.41	5	2,307.71	5	1,946.89
1/4		1/4	4,291.86	1/4	4,089.95	1/4	3,872.37	1/4	3,631.76	1/4	3,369.41	1/4	3,021.23	1/4	2,660.90	1/4	2,300.19	1/4	1,939.37
1/2		1/2	4,286.38	1/2	4,085.64	1/2	3,867.56	1/2	3,626.46	1/2	3,363.88	1/2	3,013.73	1/2	2,653.39	1/2	2,292.67	1/2	1,931.85
3/4		3/4	4,280.90	3/4	4,081.33	3/4	3,862.75	3/4	3,621.16	3/4	3,358.34	3/4	3,006.23	3/4	2,645.88	3/4	2,285.16	3/4	1,924.34
6		6	4,275.42	6	4,077.03	6	3,857.94	6	3,615.86	6	3,352.81	6	2,998.73	6	2,638.38	6	2,277.64	6	1,916.82
1/4		1/4	4,269.94	1/4	4,072.72	1/4	3,853.12	1/4	3,610.56	1/4	3,347.28	1/4	2,991.24	1/4	2,630.87	1/4	2,270.12	1/4	1,909.30
1/2		1/2	4,266.04	1/2	4,068.37	1/2	3,848.28	1/2	3,605.22	1/2	3,340.76	1/2	2,983.73	1/2	2,623.36	1/2	2,262.61	1/2	1,901.78
3/4		3/4	4,262.14	3/4	4,064.02	3/4	3,843.44	3/4	3,599.89	3/4	3,334.24	3/4	2,976.22	3/4	2,615.85	3/4	2,255.09	3/4	1,894.27
7		7	4,258.24	7	4,059.67	7	3,838.59	7	3,594.55	7	3,327.71	7	2,968.71	7	2,608.34	7	2,247.57	7	1,886.75
1/4		1/4	4,254.33	1/4	4,055.32	1/4	3,833.75	1/4	3,589.22	1/4	3,321.19	1/4	2,961.21	1/4	2,600.84	1/4	2,240.05	1/4	1,879.23
1/2		1/2	4,250.40	1/2	4,050.93	1/2	3,828.87	1/2	3,583.83	1/2	3,313.69	1/2	2,953.70	1/2	2,593.33	1/2	2,232.54	1/2	1,871.74
3/4		3/4	4,246.46	3/4	4,046.55	3/4	3,823.99	3/4	3,578.45	3/4	3,306.18	3/4	2,946.19	3/4	2,585.82	3/4	2,225.02	3/4	1,864.25
8		8	4,242.53	8	4,042.16	8	3,819.11	8	3,573.07	8	3,298.67	8	2,938.68	8	2,578.31	8	2,217.50	8	1,856.75
1/4		1/4	4,238.59	1/4	4,037.78	1/4	3,814.24	1/4	3,567.69	1/4	3,291.17	1/4	2,931.18	1/4	2,570.81	1/4	2,209.99	1/4	1,849.26
1/2		1/2	4,234.61	1/2	4,033.35	1/2	3,809.31	1/2	3,562.28	1/2	3,283.66	1/2	2,923.67	1/2	2,563.29	1/2	2,202.47	1/2	1,841.77
3/4		3/4	4,230.63	3/4	4,028.92	3/4	3,804.39	3/4	3,556.86	3/4	3,276.15	3/4	2,916.16	3/4	2,555.77	3/4	2,194.95	3/4	1,834.27
9		9	4,226.65	9	4,024.49	9	3,799.47	9	3,551.45	9	3,268.65	9	2,908.65	9	2,548.25	9	2,187.43	9	1,826.78
1/4		1/4	4,222.66	1/4	4,020.06	1/4	3,794.55	1/4	3,546.04	1/4	3,261.14	1/4	2,901.15	1/4	2,540.74	1/4	2,179.92	1/4	1,819.29
1/2		1/2	4,218.65	1/2	4,015.60	1/2	3,789.60	1/2	3,540.59	1/2	3,253.64	1/2	2,893.64	1/2	2,533.22	1/2	2,172.40	1/2	1,811.79
3/4		3/4	4,214.64	3/4	4,011.14	3/4	3,784.66	3/4	3,535.15	3/4	3,246.15	3/4	2,886.13	3/4	2,525.70	3/4	2,164.88	3/4	1,804.30
10		10	4,210.62	10	4,006.68	10	3,779.71	10	3,529.70	10	3,238.65	10	2,878.62	10	2,518.19	10	2,157.37	10	1,796.81
1/4		1/4	4,206.61	1/4	4,002.21	1/4	3,774.76	1/4	3,524.25	1/4	3,231.15	1/4	2,871.11	1/4	2,510.67	1/4	2,149.85	1/4	1,789.31
1/2		1/2	4,202.56	1/2	3,997.70	1/2	3,769.77	1/2	3,518.76	1/2	3,223.65	1/2	2,863.61	1/2	2,503.15	1/2	2,142.33	1/2	1,781.82
3/4		3/4	4,198.52	3/4	3,993.18	3/4	3,764.78	3/4	3,513.27	3/4	3,216.16	3/4	2,856.10	3/4	2,495.64	3/4	2,134.81	3/4	1,774.33
11		11	4,194.47	11	3,988.66	11	3,759.78	11	3,508.66	11	3,208.66	11	2,848.59	11	2,488.12	11	2,127.30	11	1,766.84
1/4		1/4	4,190.42	1/4	3,984.14	1/4	3,754.79	1/4	3,502.29	1/4	3,201.16	1/4	2,841.08	1/4	2,480.60	1/4	2,119.78	1/4	1,759.34
1/2		1/2	4,186.33	1/2	3,979.60	1/2	3,749.77	1/2	3,496.77	1/2	3,193.66	1/2	2,833.58	1/2	2,473.08	1/2	2,112.26	1/2	1,751.85
3/4		3/4	4,182.24	3/4	3,975.05	3/4	3,744.74	3/4	3,491.24	3/4	3,186.17	3/4	2,826.07	3/4	2,465.57	3/4	2,104.75	3/4	1,744.36

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'-03" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD

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





BARGE "CTCo 358"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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	1,736.86	0	1,376.80	0	1,016.13	0	661.53	0	308.69	0		0		0		0		0	
1/4	1,729.37	1/4	1,369.28	1/4	1,008.62	1/4	654.32	1/4	301.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,721.88	1/2	1,361.77	1/2	1,001.11	1/2	647.10	1/2	293.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,714.38	3/4	1,354.26	3/4	993.59	3/4	639.89	3/4	286.13	3/4		3/4		3/4		3/4		3/4	
1	1,706.89	1	1,346.74	1	986.08	1	932.67	1	286.61	1		1		1		1		1	
1/4	1,699.40	1/4	1,339.23	1/4	978.57	1/4	625.45	1/4	271.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,691.90	1/2	1,331.71	1/2	971.05	1/2	618.24	1/2	263.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,684.41	3/4	1,324.20	3/4	963.54	3/4	611.02	3/4	256.06	3/4		3/4		3/4		3/4		3/4	
2	1,676.92	2	1,316.69	2	956.02	2	603.81	2	248.54	2		2		2		2		2	
1/4	1,669.42	1/4	1,309.17	1/4	948.51	1/4	596.59	1/4	241.02	1/4		1/4		1/4		1/4		1/4	
1/2	1,661.93	1/2	1,301.66	1/2	941.00	1/2	589.37	1/2	233.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,654.44	3/4	1,294.15	3/4	933.48	3/4	582.16	3/4	225.98	3/4		3/4		3/4		3/4		3/4	
3	1,646.94	3	1,286.63	3	925.97	3	574.94	3	218.46	3		3		3		3		3	
1/4	1,639.45	1/4	1,279.12	1/4	918.46	1/4	567.72	1/4	210.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,631.96	1/2	1,271.60	1/2	910.94	1/2	560.51	1/2	203.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,624.46	3/4	1,264.09	3/4	903.43	3/4	553.29	3/4	195.90	3/4		3/4		3/4		3/4		3/4	
4	1,616.97	4	1,256.58	4	895.91	4	546.07	4	188.38	4		4		4		4		4	
1/4	1,609.48	1/4	1,249.06	1/4	888.40	1/4	538.85	1/4	180.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,601.98	1/2	1,241.55	1/2	880.89	1/2	531.63	1/2	173.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,594.49	3/4	1,234.04	3/4	873.37	3/4	524.41	3/4	165.83	3/4		3/4		3/4		3/4		3/4	
5	1,587.00	5	1,226.52	5	865.86	5	517.18	5	158.31	5		5		5		5		5	
1/4	1,579.51	1/4	1,219.01	1/4	858.35	1/4	509.96	1/4	150.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,572.01	1/2	1,211.49	1/2	850.83	1/2	502.73	1/2	143.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,564.52	3/4	1,203.98	3/4	843.32	3/4	495.49	3/4	135.75	3/4		3/4		3/4		3/4		3/4	
6	1,557.03	6	1,196.47	6	835.80	6	488.26	6	128.23	6		6		6		6		6	
1/4	1,549.53	1/4	1,188.95	1/4	828.29	1/4	481.03	1/4	120.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,542.04	1/2	1,181.44	1/2	820.91	1/2	473.66	1/2	113.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,534.55	3/4	1,173.92	3/4	813.53	3/4	466.29	3/4	105.67	3/4		3/4		3/4		3/4		3/4	
7	1,527.05	7	1,166.41	7	806.15	7	458.92	7	98.15	7		7		7		7		7	
1/4	1,519.56	1/4	1,158.90	1/4	798.77	1/4	451.55	1/4	90.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,512.05	1/2	1,151.38	1/2	791.54	1/2	444.04	1/2	83.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,504.53	3/4	1,143.87	3/4	784.30	3/4	436.52	3/4	75.59	3/4		3/4		3/4		3/4		3/4	
8	1,497.02	8	1,136.36	8	777.07	8	429.00	8	68.08	8		8		8		8		8	
1/4	1,489.50	1/4	1,128.84	1/4	769.83	1/4	421.48	1/4	60.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,481.99	1/2	1,121.33	1/2	762.61	1/2	413.96	1/2	53.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,474.48	3/4	1,113.81	3/4	755.38	3/4	406.44	3/4	47.40	3/4		3/4		3/4		3/4		3/4	
9	1,466.96	9	1,106.30	9	748.15	9	398.92	9	40.82	9		9		9		9		9	
1/4	1,459.45	1/4	1,098.79	1/4	740.92	1/4	391.40	1/4	34.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,451.94	1/2	1,091.27	1/2	733.70	1/2	383.88	1/2	29.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,444.42	3/4	1,083.76	3/4	726.49	3/4	376.36	3/4	24.84	3/4		3/4		3/4		3/4		3/4	
10	1,436.91	10	1,076.25	10	719.27	10	368.84	10	20.14	10		10		10		10		10	
1/4	1,429.39	1/4	1,068.73	1/4	712.05	1/4	361.32	1/4	15.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,421.88	1/2	1,061.22	1/2	704.84	1/2	353.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,414.37	3/4	1,053.70	3/4	697.62	3/4	346.29	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,406.85	11	1,046.19	11	690.40	11	338.77	11		11		11		11		11		11	
1/4	1,399.34	1/4	1,038.68	1/4	683.19	1/4	331.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,391.82	1/2	1,031.16	1/2	675.97	1/2	323.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,384.31	3/4	1,023.65	3/4	668.75	3/4	316.21	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2014 CL
CALCULATED: 07/16/2014 CL
PRINTED: 07/16/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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



BARGE "CTCo 358"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 14'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	5,197.17	0	4,869.89	0	4,543.03	0	4,190.82	0	3,814.55	0	3,426.61	0	3,038.67	0	2,650.73	0	2,262.79	
1/4	1/4	5,189.56	1/4	4,863.31	1/4	4,535.95	1/4	4,183.21	1/4	3,806.47	1/4	3,418.53	1/4	3,030.59	1/4	2,642.65	1/4	2,254.71	
1/2	1/2	5,181.95	1/2	4,856.72	1/2	4,528.87	1/2	4,175.60	1/2	3,798.39	1/2	3,410.45	1/2	3,022.51	1/2	2,634.57	1/2	2,246.63	
3/4	3/4	5,174.34	3/4	4,850.14	3/4	4,521.80	3/4	4,167.99	3/4	3,790.31	3/4	3,402.37	3/4	3,014.43	3/4	2,626.48	3/4	2,238.54	
1	1	5,166.74	1	4,843.55	1	4,514.72	1	4,160.38	1	3,782.22	1	3,394.28	1	3,006.34	1	2,618.40	1	2,230.46	
1/4	1/4	5,159.13	1/4	4,836.92	1/4	4,507.60	1/4	4,152.74	1/4	3,774.14	1/4	3,386.20	1/4	2,998.26	1/4	2,610.32	1/4	2,222.38	
1/2	1/2	5,151.52	1/2	4,830.29	1/2	4,500.47	1/2	4,145.09	1/2	3,766.06	1/2	3,378.12	1/2	2,990.18	1/2	2,602.24	1/2	2,214.30	
3/4	3/4	5,143.91	3/4	4,823.66	3/4	4,493.35	3/4	4,137.45	3/4	3,757.98	3/4	3,370.04	3/4	2,982.10	3/4	2,594.16	3/4	2,206.22	
2	2	5,136.31	2	4,817.02	2	4,486.23	2	4,129.80	2	3,749.90	2	3,361.96	2	2,974.01	2	2,586.07	2	2,198.13	
1/4	1/4	5,128.70	1/4	4,810.36	1/4	4,479.03	1/4	4,122.11	1/4	3,741.81	1/4	3,353.87	1/4	2,965.93	1/4	2,577.99	1/4	2,190.05	
1/2	1/2	5,121.09	1/2	4,803.69	1/2	4,471.83	1/2	4,114.42	1/2	3,733.73	1/2	3,345.79	1/2	2,957.85	1/2	2,569.91	1/2	2,181.97	
3/4	3/4	5,113.48	3/4	4,797.02	3/4	4,464.63	3/4	4,106.73	3/4	3,725.65	3/4	3,337.71	3/4	2,949.77	3/4	2,561.83	3/4	2,173.89	
3	3	5,105.88	3	4,790.35	3	4,457.43	3	4,099.04	3	3,717.57	3	3,329.63	3	2,941.69	3	2,553.75	3	2,165.80	
1/4	1/4	5,098.31	1/4	4,783.63	1/4	4,450.18	1/4	4,091.30	1/4	3,709.49	1/4	3,321.54	1/4	2,933.60	1/4	2,545.66	1/4	2,157.72	
1/2	1/2	5,090.74	1/2	4,776.91	1/2	4,442.93	1/2	4,083.56	1/2	3,701.40	1/2	3,313.46	1/2	2,925.52	1/2	2,537.58	1/2	2,149.64	
3/4	3/4	5,083.18	3/4	4,770.20	3/4	4,435.68	3/4	4,075.82	3/4	3,693.32	3/4	3,305.38	3/4	2,917.44	3/4	2,529.50	3/4	2,141.56	
4	4	5,075.61	4	4,763.48	4	4,428.44	4	4,068.08	4	3,685.24	4	3,297.30	4	2,909.36	4	2,521.42	4	2,133.48	
1/4	1/4	5,068.04	1/4	4,756.73	1/4	4,421.15	1/4	4,060.31	1/4	3,677.16	1/4	3,289.22	1/4	2,901.28	1/4	2,513.33	1/4	2,125.39	
1/2	1/2	5,060.48	1/2	4,749.97	1/2	4,413.87	1/2	4,052.53	1/2	3,669.08	1/2	3,281.13	1/2	2,893.19	1/2	2,505.25	1/2	2,117.31	
3/4	3/4	5,052.91	3/4	4,743.22	3/4	4,406.58	3/4	4,044.75	3/4	3,660.99	3/4	3,273.05	3/4	2,885.11	3/4	2,497.17	3/4	2,109.23	
5	5	5,045.34	5	4,736.47	5	4,399.30	5	4,036.98	5	3,652.91	5	3,264.97	5	2,877.03	5	2,489.09	5	2,101.15	
1/4	1/4	5,037.77	1/4	4,729.69	1/4	4,391.96	1/4	4,029.16	1/4	3,644.83	1/4	3,256.89	1/4	2,868.95	1/4	2,481.01	1/4	2,093.07	
1/2	1/2	5,030.21	1/2	4,722.92	1/2	4,384.63	1/2	4,021.33	1/2	3,636.75	1/2	3,248.81	1/2	2,860.87	1/2	2,472.92	1/2	2,084.98	
3/4	3/4	5,022.64	3/4	4,716.14	3/4	4,377.30	3/4	4,013.51	3/4	3,628.66	3/4	3,240.72	3/4	2,852.78	3/4	2,464.84	3/4	2,076.90	
6	6	5,015.07	6	4,709.36	6	4,369.96	6	4,005.69	6	3,620.58	6	3,232.64	6	2,844.70	6	2,456.76	6	2,068.82	
1/4	1/4	5,007.50	1/4	4,702.54	1/4	4,362.59	1/4	3,997.83	1/4	3,612.50	1/4	3,224.56	1/4	2,836.62	1/4	2,448.68	1/4	2,060.74	
1/2	1/2	5,000.33	1/2	4,695.71	1/2	4,355.23	1/2	3,989.97	1/2	3,604.42	1/2	3,216.48	1/2	2,828.54	1/2	2,440.60	1/2	2,052.66	
3/4	3/4	4,997.46	3/4	4,688.89	3/4	4,347.86	3/4	3,982.11	3/4	3,596.34	3/4	3,208.40	3/4	2,820.45	3/4	2,432.51	3/4	2,044.57	
7	7	4,991.59	7	4,682.07	7	4,340.49	7	3,974.25	7	3,588.25	7	3,200.31	7	2,812.37	7	2,424.43	7	2,036.49	
1/4	1/4	4,985.69	1/4	4,675.20	1/4	4,333.09	1/4	3,966.34	1/4	3,580.17	1/4	3,192.23	1/4	2,804.29	1/4	2,416.35	1/4	2,028.41	
1/2	1/2	4,979.78	1/2	4,668.34	1/2	4,325.68	1/2	3,958.43	1/2	3,572.09	1/2	3,184.15	1/2	2,796.21	1/2	2,408.27	1/2	2,020.33	
3/4	3/4	4,973.88	3/4	4,661.48	3/4	4,318.28	3/4	3,950.52	3/4	3,564.01	3/4	3,176.07	3/4	2,788.13	3/4	2,400.19	3/4	2,012.24	
8	8	4,967.97	8	4,654.62	8	4,310.87	8	3,942.61	8	3,555.93	8	3,167.98	8	2,780.04	8	2,392.10	8	2,004.16	
1/4	1/4	4,962.01	1/4	4,647.71	1/4	4,303.42	1/4	3,934.67	1/4	3,547.84	1/4	3,159.90	1/4	2,771.96	1/4	2,384.02	1/4	1,996.08	
1/2	1/2	4,956.06	1/2	4,640.80	1/2	4,295.97	1/2	3,926.73	1/2	3,539.76	1/2	3,151.82	1/2	2,763.88	1/2	2,375.94	1/2	1,988.00	
3/4	3/4	4,950.10	3/4	4,633.89	3/4	4,288.52	3/4	3,918.78	3/4	3,531.68	3/4	3,143.74	3/4	2,755.80	3/4	2,367.86	3/4	1,979.92	
9	9	4,944.15	9	4,626.99	9	4,281.07	9	3,910.84	9	3,523.60	9	3,135.66	9	2,747.72	9	2,359.77	9	1,971.83	
1/4	1/4	4,938.16	1/4	4,620.04	1/4	4,273.59	1/4	3,902.86	1/4	3,515.52	1/4	3,127.57	1/4	2,739.63	1/4	2,351.69	1/4	1,963.75	
1/2	1/2	4,932.17	1/2	4,613.10	1/2	4,266.12	1/2	3,894.88	1/2	3,507.43	1/2	3,119.49	1/2	2,731.55	1/2	2,343.61	1/2	1,955.67	
3/4	3/4	4,926.18	3/4	4,606.15	3/4	4,258.64	3/4	3,886.90	3/4	3,499.35	3/4	3,111.41	3/4	2,723.47	3/4	2,335.53	3/4	1,947.59	
10	10	4,920.19	10	4,599.21	10	4,251.16	10	3,878.92	10	3,491.27	10	3,103.33	10	2,715.39	10	2,327.45	10	1,939.51	
1/4	1/4	4,914.16	1/4	4,592.20	1/4	4,243.64	1/4	3,870.89	1/4	3,483.19	1/4	3,095.25	1/4	2,707.31	1/4	2,319.36	1/4	1,931.42	
1/2	1/2	4,908.13	1/2	4,585.19	1/2	4,236.11	1/2	3,862.87	1/2	3,475.10	1/2	3,087.16	1/2	2,699.22	1/2	2,311.28	1/2	1,923.34	
3/4	3/4	4,902.11	3/4	4,578.19	3/4	4,228.59	3/4	3,854.84	3/4	3,467.02	3/4	3,079.08	3/4	2,691.14	3/4	2,303.20	3/4	1,915.26	
11	11	4,896.08	11	4,571.18	11	4,221.07	11	3,846.82	11	3,458.94	11	3,071.00	11	2,683.06	11	2,295.12	11	1,907.18	
1/4	1/4	4,889.53	1/4	4,564.14	1/4	4,213.50	1/4	3,838.75	1/4	3,450.86	1/4	3,062.92	1/4	2,674.98	1/4	2,287.04	1/4	1,899.10	
1/2	1/2	4,882.99	1/2	4,557.10	1/2	4,205.94	1/2	3,830.68	1/2	3,442.78	1/2	3,054.84	1/2	2,666.89	1/2	2,278.95	1/2	1,891.01	
3/4	3/4	4,876.44	3/4	4,550.06	3/4	4,198.38	3/4	3,822.62	3/4	3,434.69	3/4	3,046.75	3/4	2,658.81	3/4	2,270.87	3/4	1,882.93	

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'-03" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD

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





BARGE "CTCo 358"

2 STBD

ULLAGE TABLE
HERMETIC

GAUGE HEIGHT 14'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	1,874.85	0	1,486.91	0	1,098.97	0	711.32	0	323.68	0		0		0		0		0	
1/4	1,866.77	1/4	1,478.83	1/4	1,090.89	1/4	703.25	1/4	315.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,858.68	1/2	1,470.74	1/2	1,082.80	1/2	695.18	1/2	307.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,850.60	3/4	1,462.66	3/4	1,074.72	3/4	687.12	3/4	299.43	3/4		3/4		3/4		3/4		3/4	
1	1,842.52	1	1,454.58	1	1,066.64	1	679.05	1	291.35	1		1		1		1		1	
1/4	1,834.44	1/4	1,446.50	1/4	1,058.56	1/4	670.99	1/4	283.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,826.36	1/2	1,438.42	1/2	1,050.47	1/2	662.92	1/2	275.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,818.27	3/4	1,430.33	3/4	1,042.39	3/4	654.86	3/4	267.10	3/4		3/4		3/4		3/4		3/4	
2	1,810.19	2	1,422.25	2	1,034.31	2	646.79	2	259.02	2		2		2		2		2	
1/4	1,802.11	1/4	1,414.17	1/4	1,026.23	1/4	638.73	1/4	250.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,794.03	1/2	1,406.09	1/2	1,018.15	1/2	630.66	1/2	242.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,785.95	3/4	1,398.01	3/4	1,010.06	3/4	622.59	3/4	234.78	3/4		3/4		3/4		3/4		3/4	
3	1,777.86	3	1,389.92	3	1,001.98	3	614.53	3	226.70	3		3		3		3		3	
1/4	1,769.78	1/4	1,381.84	1/4	993.90	1/4	606.46	1/4	218.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,761.70	1/2	1,373.76	1/2	985.82	1/2	598.39	1/2	210.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,753.62	3/4	1,365.68	3/4	977.74	3/4	590.33	3/4	202.45	3/4		3/4		3/4		3/4		3/4	
4	1,745.54	4	1,357.59	4	969.65	4	582.26	4	194.37	4		4		4		4		4	
1/4	1,737.45	1/4	1,349.51	1/4	961.57	1/4	574.19	1/4	186.29	1/4		1/4		1/4		1/4		1/4	
1/2	1,729.37	1/2	1,341.43	1/2	953.49	1/2	566.12	1/2	178.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,721.29	3/4	1,333.35	3/4	945.41	3/4	558.04	3/4	170.12	3/4		3/4		3/4		3/4		3/4	
5	1,713.21	5	1,325.27	5	937.33	5	549.97	5	162.04	5		5		5		5		5	
1/4	1,705.12	1/4	1,317.18	1/4	929.24	1/4	541.89	1/4	153.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,697.04	1/2	1,309.10	1/2	921.16	1/2	533.81	1/2	145.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,688.96	3/4	1,301.02	3/4	913.08	3/4	525.73	3/4	137.79	3/4		3/4		3/4		3/4		3/4	
6	1,680.88	6	1,292.94	6	905.00	6	517.64	6	129.71	6		6		6		6		6	
1/4	1,672.80	1/4	1,284.86	1/4	896.91	1/4	509.56	1/4	121.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,664.71	1/2	1,276.77	1/2	888.83	1/2	501.48	1/2	113.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,656.63	3/4	1,268.69	3/4	880.75	3/4	493.40	3/4	105.47	3/4		3/4		3/4		3/4		3/4	
7	1,648.55	7	1,260.61	7	872.67	7	485.32	7	97.38	7		7		7		7		7	
1/4	1,640.47	1/4	1,252.53	1/4	864.60	1/4	477.23	1/4	89.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,632.39	1/2	1,244.45	1/2	856.52	1/2	469.15	1/2	81.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,624.30	3/4	1,236.36	3/4	848.45	3/4	461.07	3/4	73.14	3/4		3/4		3/4		3/4		3/4	
8	1,616.22	8	1,228.28	8	840.38	8	452.99	8	65.06	8		8		8		8		8	
1/4	1,608.14	1/4	1,220.20	1/4	832.31	1/4	444.91	1/4	57.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,600.06	1/2	1,212.12	1/2	824.24	1/2	436.82	1/2	50.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,591.98	3/4	1,204.03	3/4	816.18	3/4	428.74	3/4	43.84	3/4		3/4		3/4		3/4		3/4	
9	1,583.89	9	1,195.95	9	808.11	9	420.66	9	36.77	9		9		9		9		9	
1/4	1,575.81	1/4	1,187.87	1/4	800.04	1/4	412.58	1/4	31.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,567.73	1/2	1,179.79	1/2	791.98	1/2	404.50	1/2	26.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,559.65	3/4	1,171.71	3/4	783.91	3/4	396.42	3/4	21.61	3/4		3/4		3/4		3/4		3/4	
10	1,551.56	10	1,163.62	10	775.85	10	388.33	10	16.56	10		10		10		10		10	
1/4	1,543.48	1/4	1,155.54	1/4	767.78	1/4	380.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,535.40	1/2	1,147.46	1/2	759.71	1/2	372.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,527.32	3/4	1,139.38	3/4	751.65	3/4	364.09	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,519.24	11	1,131.30	11	743.58	11	356.01	11		11		11		11		11		11	
1/4	1,511.15	1/4	1,123.21	1/4	735.51	1/4	347.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,503.07	1/2	1,115.13	1/2	727.45	1/2	339.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,494.99	3/4	1,107.05	3/4	719.38	3/4	331.76	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2014 CL
CALCULATED: 07/16/2014 CL
PRINTED: 07/16/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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



BARGE "CTCo 358"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

Gauge Height 14'-9 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	5,172.98	0	4,846.89	0	4,519.69	0	4,167.10	0	3,790.50	0	3,402.69	0	3,014.88	0	2,627.07	0	2,239.26	
1/4	1/4	5,165.38	1/4	4,840.30	1/4	4,512.61	1/4	4,159.49	1/4	3,782.42	1/4	3,394.61	1/4	3,006.80	1/4	2,618.99	1/4	2,231.18	
1/2	1/2	5,157.77	1/2	4,833.72	1/2	4,505.54	1/2	4,151.88	1/2	3,774.34	1/2	3,386.53	1/2	2,998.72	1/2	2,610.91	1/2	2,223.10	
3/4	3/4	5,150.17	3/4	4,827.14	3/4	4,498.47	3/4	4,144.27	3/4	3,766.26	3/4	3,378.45	3/4	2,990.64	3/4	2,602.83	3/4	2,215.02	
1	1	5,142.56	1	4,820.51	1	4,491.35	1	4,136.63	1	3,758.18	1	3,370.37	1	2,982.56	1	2,594.75	1	2,206.94	
1/4	1/4	5,134.96	1/4	4,813.88	1/4	4,484.23	1/4	4,128.99	1/4	3,750.10	1/4	3,362.29	1/4	2,974.48	1/4	2,586.67	1/4	2,198.86	
1/2	1/2	5,127.35	1/2	4,807.26	1/2	4,477.11	1/2	4,121.35	1/2	3,742.02	1/2	3,354.21	1/2	2,966.40	1/2	2,578.59	1/2	2,190.78	
3/4	3/4	5,119.75	3/4	4,800.63	3/4	4,469.99	3/4	4,113.71	3/4	3,733.94	3/4	3,346.13	3/4	2,958.32	3/4	2,570.51	3/4	2,182.70	
2	2	5,112.14	2	4,793.96	2	4,462.79	2	4,106.02	2	3,725.86	2	3,338.05	2	2,950.24	2	2,562.43	2	2,174.62	
1/4	1/4	5,104.54	1/4	4,787.30	1/4	4,455.59	1/4	4,098.33	1/4	3,717.79	1/4	3,329.97	1/4	2,942.16	1/4	2,554.35	1/4	2,166.54	
1/2	1/2	5,096.93	1/2	4,780.63	1/2	4,448.40	1/2	4,090.64	1/2	3,709.71	1/2	3,321.89	1/2	2,934.08	1/2	2,546.27	1/2	2,158.46	
3/4	3/4	5,089.33	3/4	4,773.97	3/4	4,441.20	3/4	4,082.95	3/4	3,701.63	3/4	3,313.82	3/4	2,926.00	3/4	2,538.19	3/4	2,150.38	
3	3	5,081.77	3	4,767.25	3	4,433.95	3	4,075.22	3	3,693.55	3	3,305.74	3	2,917.92	3	2,530.11	3	2,142.30	
1/4	1/4	5,074.20	1/4	4,760.54	1/4	4,426.71	1/4	4,067.48	1/4	3,685.47	1/4	3,297.66	1/4	2,909.85	1/4	2,522.03	1/4	2,134.22	
1/2	1/2	5,066.64	1/2	4,753.82	1/2	4,419.46	1/2	4,059.74	1/2	3,677.39	1/2	3,289.58	1/2	2,901.77	1/2	2,513.95	1/2	2,126.14	
3/4	3/4	5,059.07	3/4	4,747.11	3/4	4,412.22	3/4	4,052.01	3/4	3,669.31	3/4	3,281.50	3/4	2,893.69	3/4	2,505.88	3/4	2,118.06	
4	4	5,051.51	4	4,740.36	4	4,404.94	4	4,044.24	4	3,661.23	4	3,273.42	4	2,885.61	4	2,497.80	4	2,109.98	
1/4	1/4	5,043.95	1/4	4,733.61	1/4	4,397.66	1/4	4,036.46	1/4	3,653.15	1/4	3,265.34	1/4	2,877.53	1/4	2,489.72	1/4	2,101.91	
1/2	1/2	5,036.38	1/2	4,726.86	1/2	4,390.38	1/2	4,028.69	1/2	3,645.07	1/2	3,257.26	1/2	2,869.45	1/2	2,481.64	1/2	2,093.83	
3/4	3/4	5,028.82	3/4	4,720.11	3/4	4,383.10	3/4	4,020.92	3/4	3,636.99	3/4	3,249.18	3/4	2,861.37	3/4	2,473.56	3/4	2,085.75	
5	5	5,021.25	5	4,713.34	5	4,375.76	5	4,013.10	5	3,628.91	5	3,241.10	5	2,853.29	5	2,465.48	5	2,077.67	
1/4	1/4	5,013.69	1/4	4,706.56	1/4	4,368.43	1/4	4,005.28	1/4	3,620.83	1/4	3,233.02	1/4	2,845.21	1/4	2,457.40	1/4	2,069.59	
1/2	1/2	5,006.13	1/2	4,699.79	1/2	4,361.10	1/2	3,997.46	1/2	3,612.75	1/2	3,224.94	1/2	2,837.13	1/2	2,449.32	1/2	2,061.51	
3/4	3/4	4,998.56	3/4	4,693.02	3/4	4,353.77	3/4	3,989.64	3/4	3,604.67	3/4	3,216.86	3/4	2,829.05	3/4	2,441.24	3/4	2,053.43	
6	6	4,992.70	6	4,686.20	6	4,346.41	6	3,981.78	6	3,596.59	6	3,208.78	6	2,820.97	6	2,433.16	6	2,045.35	
1/4	1/4	4,986.83	1/4	4,679.37	1/4	4,339.04	1/4	3,973.92	1/4	3,588.51	1/4	3,200.70	1/4	2,812.89	1/4	2,425.08	1/4	2,037.27	
1/2	1/2	4,980.96	1/2	4,672.55	1/2	4,331.68	1/2	3,966.07	1/2	3,580.44	1/2	3,192.62	1/2	2,804.81	1/2	2,417.00	1/2	2,029.19	
3/4	3/4	4,975.10	3/4	4,665.73	3/4	4,324.31	3/4	3,958.21	3/4	3,572.36	3/4	3,184.54	3/4	2,796.73	3/4	2,408.92	3/4	2,021.11	
7	7	4,969.19	7	4,658.88	7	4,316.91	7	3,950.30	7	3,564.28	7	3,176.47	7	2,788.65	7	2,400.84	7	2,013.03	
1/4	1/4	4,963.29	1/4	4,652.02	1/4	4,309.51	1/4	3,942.40	1/4	3,556.20	1/4	3,168.39	1/4	2,780.57	1/4	2,392.76	1/4	2,004.95	
1/2	1/2	4,957.39	1/2	4,645.16	1/2	4,302.11	1/2	3,934.49	1/2	3,548.12	1/2	3,160.31	1/2	2,772.50	1/2	2,384.68	1/2	1,996.87	
3/4	3/4	4,951.49	3/4	4,638.30	3/4	4,294.71	3/4	3,926.58	3/4	3,540.04	3/4	3,152.23	3/4	2,764.42	3/4	2,376.60	3/4	1,988.79	
8	8	4,945.54	8	4,631.40	8	4,287.26	8	3,918.64	8	3,531.96	8	3,144.15	8	2,756.34	8	2,368.53	8	1,980.71	
1/4	1/4	4,939.58	1/4	4,624.49	1/4	4,279.81	1/4	3,910.70	1/4	3,523.88	1/4	3,136.07	1/4	2,748.26	1/4	2,360.45	1/4	1,972.63	
1/2	1/2	4,933.63	1/2	4,617.59	1/2	4,272.36	1/2	3,902.76	1/2	3,515.80	1/2	3,127.99	1/2	2,740.18	1/2	2,352.37	1/2	1,964.56	
3/4	3/4	4,927.68	3/4	4,610.68	3/4	4,264.92	3/4	3,894.82	3/4	3,507.72	3/4	3,119.91	3/4	2,732.10	3/4	2,344.29	3/4	1,956.48	
9	9	4,921.69	9	4,603.74	9	4,257.44	9	3,886.85	9	3,499.64	9	3,111.83	9	2,724.02	9	2,336.21	9	1,948.40	
1/4	1/4	4,915.71	1/4	4,596.80	1/4	4,249.97	1/4	3,878.87	1/4	3,491.56	1/4	3,103.75	1/4	2,715.94	1/4	2,328.13	1/4	1,940.32	
1/2	1/2	4,909.72	1/2	4,589.86	1/2	4,242.49	1/2	3,870.89	1/2	3,483.48	1/2	3,095.67	1/2	2,707.86	1/2	2,320.05	1/2	1,932.24	
3/4	3/4	4,903.74	3/4	4,582.91	3/4	4,235.02	3/4	3,862.91	3/4	3,475.40	3/4	3,087.59	3/4	2,699.78	3/4	2,311.97	3/4	1,924.16	
10	10	4,897.71	10	4,575.91	10	4,227.50	10	3,854.89	10	3,467.32	10	3,079.51	10	2,691.70	10	2,303.89	10	1,916.08	
1/4	1/4	4,891.69	1/4	4,568.91	1/4	4,219.98	1/4	3,846.87	1/4	3,459.24	1/4	3,071.43	1/4	2,683.62	1/4	2,295.81	1/4	1,908.00	
1/2	1/2	4,885.67	1/2	4,561.91	1/2	4,212.45	1/2	3,838.84	1/2	3,451.17	1/2	3,063.35	1/2	2,675.54	1/2	2,287.73	1/2	1,899.92	
3/4	3/4	4,879.64	3/4	4,554.90	3/4	4,204.93	3/4	3,830.82	3/4	3,443.09	3/4	3,055.27	3/4	2,667.46	3/4	2,279.65	3/4	1,891.84	
11	11	4,873.10	11	4,547.87	11	4,197.38	11	3,822.76	11	3,435.01	11	3,047.20	11	2,659.38	11	2,271.57	11	1,883.76	
1/4	1/4	4,866.55	1/4	4,540.83	1/4	4,189.82	1/4	3,814.70	1/4	3,426.93	1/4	3,039.12	1/4	2,651.30	1/4	2,263.49	1/4	1,875.68	
1/2	1/2	4,860.01	1/2	4,533.80	1/2	4,182.26	1/2	3,806.64	1/2	3,418.85	1/2	3,031.04	1/2	2,643.23	1/2	2,255.41	1/2	1,867.60	
3/4	3/4	5,180.58	3/4	4,853.47	3/4	4,526.76	3/4	4,174.70	3/4	3,798.58	3/4	3,410.77	3/4	3,022.96	3/4	2,635.15	3/4	2,247.33	

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'-03" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD

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



BARGE "CTCo 358"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-9 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	1,851.44	0	1,463.63	0	1,075.82	0	695.36	0	315.49	0		0		0		0		0	
1/4	1,843.36	1/4	1,455.55	1/4	1,067.74	1/4	687.60	1/4	307.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,835.29	1/2	1,447.47	1/2	1,059.66	1/2	679.84	1/2	299.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,827.21	3/4	1,439.39	3/4	1,051.58	3/4	672.09	3/4	291.25	3/4		3/4		3/4		3/4		3/4	
1	1,819.13	1	1,431.32	1	1,043.50	1	664.33	1	283.17	1		1		1		1		1	
1/4	1,811.05	1/4	1,423.24	1/4	1,035.42	1/4	656.58	1/4	275.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,802.97	1/2	1,415.16	1/2	1,027.35	1/2	648.82	1/2	267.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,794.89	3/4	1,407.08	3/4	1,019.27	3/4	641.06	3/4	258.93	3/4		3/4		3/4		3/4		3/4	
2	1,786.81	2	1,399.00	2	1,011.19	2	633.31	2	250.85	2		2		2		2		2	
1/4	1,778.73	1/4	1,390.92	1/4	1,003.11	1/4	625.55	1/4	242.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,770.65	1/2	1,382.84	1/2	995.03	1/2	617.79	1/2	234.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,762.57	3/4	1,374.76	3/4	986.95	3/4	610.03	3/4	226.62	3/4		3/4		3/4		3/4		3/4	
3	1,754.49	3	1,366.68	3	978.87	3	602.28	3	218.54	3		3		3		3		3	
1/4	1,746.41	1/4	1,358.60	1/4	970.79	1/4	594.52	1/4	210.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,738.33	1/2	1,350.52	1/2	962.71	1/2	586.76	1/2	202.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,730.25	3/4	1,342.44	3/4	954.63	3/4	579.00	3/4	194.30	3/4		3/4		3/4		3/4		3/4	
4	1,722.17	4	1,334.36	4	946.55	4	571.24	4	186.22	4		4		4		4		4	
1/4	1,714.09	1/4	1,326.28	1/4	938.47	1/4	563.48	1/4	178.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,706.01	1/2	1,318.20	1/2	930.39	1/2	555.71	1/2	170.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,697.94	3/4	1,310.12	3/4	922.31	3/4	547.95	3/4	161.98	3/4		3/4		3/4		3/4		3/4	
5	1,689.86	5	1,302.04	5	914.23	5	540.17	5	153.91	5		5		5		5		5	
1/4	1,681.78	1/4	1,293.97	1/4	906.15	1/4	532.40	1/4	145.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,673.70	1/2	1,285.89	1/2	898.07	1/2	524.63	1/2	137.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,665.62	3/4	1,277.81	3/4	890.00	3/4	516.86	3/4	129.67	3/4		3/4		3/4		3/4		3/4	
6	1,657.54	6	1,269.73	6	882.07	6	508.93	6	121.59	6		6		6		6		6	
1/4	1,649.46	1/4	1,261.65	1/4	874.14	1/4	501.00	1/4	113.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,641.38	1/2	1,253.57	1/2	866.22	1/2	493.08	1/2	105.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,633.30	3/4	1,245.49	3/4	858.29	3/4	485.15	3/4	97.35	3/4		3/4		3/4		3/4		3/4	
7	1,625.22	7	1,237.41	7	850.53	7	477.07	7	89.27	7		7		7		7		7	
1/4	1,617.14	1/4	1,229.33	1/4	842.76	1/4	468.99	1/4	81.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,609.06	1/2	1,221.25	1/2	835.00	1/2	460.91	1/2	73.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,600.98	3/4	1,213.17	3/4	827.23	3/4	452.83	3/4	65.04	3/4		3/4		3/4		3/4		3/4	
8	1,592.90	8	1,205.09	8	819.47	8	444.75	8	57.97	8		8		8		8		8	
1/4	1,584.82	1/4	1,197.01	1/4	811.72	1/4	436.67	1/4	50.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,576.74	1/2	1,188.93	1/2	803.96	1/2	428.60	1/2	43.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,568.66	3/4	1,180.85	3/4	796.20	3/4	420.52	3/4	36.75	3/4		3/4		3/4		3/4		3/4	
9	1,560.59	9	1,172.77	9	788.45	9	412.44	9	31.71	9		9		9		9		9	
1/4	1,552.51	1/4	1,164.69	1/4	780.69	1/4	404.36	1/4	26.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,544.43	1/2	1,156.62	1/2	772.93	1/2	396.28	1/2	21.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,536.35	3/4	1,148.54	3/4	765.17	3/4	388.20	3/4	16.56	3/4		3/4		3/4		3/4		3/4	
10	1,528.27	10	1,140.46	10	757.42	10	380.12	10		10		10		10		10		10	
1/4	1,520.19	1/4	1,132.38	1/4	749.66	1/4	372.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,512.11	1/2	1,124.30	1/2	741.90	1/2	363.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,504.03	3/4	1,116.22	3/4	734.14	3/4	355.88	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,495.95	11	1,108.14	11	726.39	11	347.80	11		11		11		11		11		11	
1/4	1,487.87	1/4	1,100.06	1/4	718.63	1/4	339.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,479.79	1/2	1,091.98	1/2	710.87	1/2	331.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,471.71	3/4	1,083.90	3/4	703.11	3/4	323.57	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2014 CL
CALCULATED: 07/16/2014 CL
PRINTED: 07/16/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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



BARGE "CTCo 358"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-9 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	4,284.48	0	4,005.85	0	3,726.27	0	3,424.99	0	3,103.16	0	2,771.76	0	2,440.36	0	2,108.96	0	1,777.55	
1/4	1/4	4,277.98	1/4	4,000.23	1/4	3,720.23	1/4	3,418.49	1/4	3,096.26	1/4	2,764.85	1/4	2,433.45	1/4	2,102.05	1/4	1,770.65	
1/2	1/2	4,271.48	1/2	3,994.60	1/2	3,714.19	1/2	3,411.99	1/2	3,089.35	1/2	2,757.95	1/2	2,426.55	1/2	2,095.15	1/2	1,763.75	
3/4	3/4	4,264.98	3/4	3,988.98	3/4	3,708.14	3/4	3,405.49	3/4	3,082.45	3/4	2,751.05	3/4	2,419.64	3/4	2,088.24	3/4	1,756.84	
1	1	4,258.49	1	3,983.32	1	3,702.06	1	3,398.96	1	3,075.54	1	2,744.14	1	2,412.74	1	2,081.34	1	1,749.94	
1/4	1/4	4,251.99	1/4	3,977.65	1/4	3,695.97	1/4	3,392.43	1/4	3,068.64	1/4	2,737.24	1/4	2,405.84	1/4	2,074.43	1/4	1,743.03	
1/2	1/2	4,245.49	1/2	3,971.99	1/2	3,689.89	1/2	3,385.90	1/2	3,061.74	1/2	2,730.33	1/2	2,398.93	1/2	2,067.53	1/2	1,736.13	
3/4	3/4	4,238.99	3/4	3,966.33	3/4	3,683.81	3/4	3,379.37	3/4	3,054.83	3/4	2,723.43	3/4	2,392.03	3/4	2,060.63	3/4	1,729.22	
2	2	4,232.49	2	3,960.63	2	3,677.66	2	3,372.80	2	3,047.93	2	2,716.53	2	2,385.12	2	2,053.72	2	1,722.32	
1/4	1/4	4,226.00	1/4	3,954.94	1/4	3,671.51	1/4	3,366.23	1/4	3,041.02	1/4	2,709.62	1/4	2,378.22	1/4	2,046.82	1/4	1,715.42	
1/2	1/2	4,219.50	1/2	3,949.24	1/2	3,665.36	1/2	3,359.66	1/2	3,034.12	1/2	2,702.72	1/2	2,371.32	1/2	2,039.91	1/2	1,708.51	
3/4	3/4	4,213.00	3/4	3,943.55	3/4	3,659.21	3/4	3,353.09	3/4	3,027.21	3/4	2,695.81	3/4	2,364.41	3/4	2,033.01	3/4	1,701.61	
3	3	4,206.53	3	3,937.81	3	3,653.02	3	3,346.48	3	3,020.31	3	2,688.91	3	2,357.51	3	2,026.11	3	1,694.70	
1/4	1/4	4,200.07	1/4	3,932.07	1/4	3,646.83	1/4	3,339.87	1/4	3,013.41	1/4	2,682.00	1/4	2,350.60	1/4	2,019.20	1/4	1,687.80	
1/2	1/2	4,193.61	1/2	3,926.33	1/2	3,640.64	1/2	3,333.26	1/2	3,006.50	1/2	2,675.10	1/2	2,343.70	1/2	2,012.30	1/2	1,680.90	
3/4	3/4	4,187.14	3/4	3,920.60	3/4	3,634.45	3/4	3,326.65	3/4	2,999.60	3/4	2,668.20	3/4	2,336.79	3/4	2,005.39	3/4	1,673.99	
4	4	4,180.68	4	3,914.83	4	3,628.23	4	3,320.01	4	2,992.69	4	2,661.29	4	2,329.89	4	1,998.49	4	1,667.09	
1/4	1/4	4,174.22	1/4	3,909.06	1/4	3,622.00	1/4	3,313.37	1/4	2,985.79	1/4	2,654.39	1/4	2,322.99	1/4	1,991.58	1/4	1,660.18	
1/2	1/2	4,167.75	1/2	3,903.30	1/2	3,615.78	1/2	3,306.72	1/2	2,978.88	1/2	2,647.48	1/2	2,316.08	1/2	1,984.68	1/2	1,653.28	
3/4	3/4	4,161.29	3/4	3,897.53	3/4	3,609.56	3/4	3,300.08	3/4	2,971.98	3/4	2,640.58	3/4	2,309.18	3/4	1,977.78	3/4	1,646.37	
5	5	4,154.82	5	3,891.74	5	3,603.30	5	3,293.40	5	2,965.08	5	2,633.67	5	2,302.27	5	1,970.87	5	1,639.47	
1/4	1/4	4,148.36	1/4	3,885.96	1/4	3,597.03	1/4	3,286.72	1/4	2,958.17	1/4	2,626.77	1/4	2,295.37	1/4	1,963.97	1/4	1,632.57	
1/2	1/2	4,141.90	1/2	3,880.17	1/2	3,590.77	1/2	3,280.03	1/2	2,951.27	1/2	2,619.87	1/2	2,288.46	1/2	1,957.06	1/2	1,625.66	
3/4	3/4	4,135.43	3/4	3,874.38	3/4	3,584.50	3/4	3,273.35	3/4	2,944.36	3/4	2,612.96	3/4	2,281.56	3/4	1,950.16	3/4	1,618.76	
6	6	4,130.42	6	3,868.55	6	3,578.21	6	3,266.64	6	2,937.46	6	2,606.06	6	2,274.66	6	1,943.25	6	1,611.85	
1/4	1/4	4,125.41	1/4	3,862.72	1/4	3,571.92	1/4	3,259.92	1/4	2,930.56	1/4	2,599.15	1/4	2,267.75	1/4	1,936.35	1/4	1,604.95	
1/2	1/2	4,120.40	1/2	3,856.90	1/2	3,565.63	1/2	3,253.21	1/2	2,923.65	1/2	2,592.25	1/2	2,260.85	1/2	1,929.45	1/2	1,598.04	
3/4	3/4	4,115.39	3/4	3,851.07	3/4	3,559.33	3/4	3,246.50	3/4	2,916.75	3/4	2,585.35	3/4	2,253.94	3/4	1,922.54	3/4	1,591.14	
7	7	4,110.34	7	3,845.21	7	3,553.01	7	3,239.74	7	2,909.84	7	2,578.44	7	2,247.04	7	1,915.64	7	1,584.24	
1/4	1/4	4,105.30	1/4	3,839.35	1/4	3,546.69	1/4	3,232.98	1/4	2,902.94	1/4	2,571.54	1/4	2,240.14	1/4	1,908.73	1/4	1,577.33	
1/2	1/2	4,100.26	1/2	3,833.49	1/2	3,540.36	1/2	3,226.23	1/2	2,896.03	1/2	2,564.63	1/2	2,233.23	1/2	1,901.83	1/2	1,570.43	
3/4	3/4	4,095.22	3/4	3,827.63	3/4	3,534.04	3/4	3,219.47	3/4	2,889.13	3/4	2,557.73	3/4	2,226.33	3/4	1,894.93	3/4	1,563.52	
8	8	4,090.13	8	3,821.73	8	3,527.67	8	3,212.69	8	2,882.23	8	2,550.82	8	2,219.42	8	1,888.02	8	1,556.62	
1/4	1/4	4,085.05	1/4	3,815.83	1/4	3,521.31	1/4	3,205.90	1/4	2,875.32	1/4	2,543.92	1/4	2,212.52	1/4	1,881.12	1/4	1,549.72	
1/2	1/2	4,079.96	1/2	3,809.93	1/2	3,514.94	1/2	3,199.12	1/2	2,868.42	1/2	2,537.02	1/2	2,205.61	1/2	1,874.21	1/2	1,542.81	
3/4	3/4	4,074.88	3/4	3,804.03	3/4	3,508.58	3/4	3,192.33	3/4	2,861.51	3/4	2,530.11	3/4	2,198.71	3/4	1,867.31	3/4	1,535.91	
9	9	4,069.76	9	3,798.10	9	3,502.19	9	3,185.52	9	2,854.61	9	2,523.21	9	2,191.81	9	1,860.40	9	1,529.00	
1/4	1/4	4,064.65	1/4	3,792.16	1/4	3,495.81	1/4	3,178.70	1/4	2,847.71	1/4	2,516.30	1/4	2,184.90	1/4	1,853.50	1/4	1,522.10	
1/2	1/2	4,059.53	1/2	3,786.23	1/2	3,489.42	1/2	3,171.88	1/2	2,840.80	1/2	2,509.40	1/2	2,178.00	1/2	1,846.60	1/2	1,515.19	
3/4	3/4	4,054.42	3/4	3,780.30	3/4	3,483.03	3/4	3,165.06	3/4	2,833.90	3/4	2,502.50	3/4	2,171.09	3/4	1,839.69	3/4	1,508.29	
10	10	4,049.28	10	3,774.32	10	3,476.61	10	3,158.21	10	2,826.99	10	2,495.59	10	2,164.19	10	1,832.79	10	1,501.39	
1/4	1/4	4,044.13	1/4	3,768.33	1/4	3,470.18	1/4	3,151.35	1/4	2,820.09	1/4	2,488.69	1/4	2,157.29	1/4	1,825.88	1/4	1,494.48	
1/2	1/2	4,038.98	1/2	3,762.35	1/2	3,463.75	1/2	3,144.50	1/2	2,813.18	1/2	2,481.78	1/2	2,150.38	1/2	1,818.98	1/2	1,487.58	
3/4	3/4	4,033.84	3/4	3,756.37	3/4	3,457.33	3/4	3,137.64	3/4	2,806.28	3/4	2,474.88	3/4	2,143.48	3/4	1,812.08	3/4	1,480.67	
11	11	4,028.25	11	3,750.35	11	3,450.87	11	3,130.75	11	2,799.38	11	2,467.97	11	2,136.57	11	1,805.17	11	1,473.77	
1/4	1/4	4,022.66	1/4	3,744.34	1/4	3,444.41	1/4	3,123.85	1/4	2,792.47	1/4	2,461.07	1/4	2,129.67	1/4	1,798.27	1/4	1,466.87	
1/2	1/2	4,017.06	1/2	3,738.33	1/2	3,437.95	1/2	3,116.96	1/2	2,785.57	1/2	2,454.17	1/2	2,122.76	1/2	1,791.36	1/2	1,459.96	
3/4	3/4	4,290.98	3/4	4,011.47	3/4	3,732.32	3/4	3,431.50	3/4	3,110.06	3/4	2,778.66	3/4	2,447.26	3/4	2,115.86	3/4	1,453.06	

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'-03" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD

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



BARGE "CTCo 358"

1 STBD
ULLAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-9 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	1,446.15	0	1,114.75	0	790.23	0	488.54	0	209.96	0		0		0		0		0	
1/4	1,439.25	1/4	1,107.85	1/4	783.71	1/4	482.51	1/4	204.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,432.34	1/2	1,100.94	1/2	777.19	1/2	476.49	1/2	198.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,425.44	3/4	1,094.04	3/4	770.67	3/4	470.46	3/4	193.28	3/4		3/4		3/4		3/4		3/4	
1	1,418.54	1	1,087.13	1	764.18	1	464.48	1	187.76	1		1		1		1		1	
1/4	1,411.63	1/4	1,080.23	1/4	757.70	1/4	458.50	1/4	182.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,404.73	1/2	1,073.33	1/2	751.22	1/2	452.51	1/2	176.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,397.82	3/4	1,066.42	3/4	744.74	3/4	446.53	3/4	171.21	3/4		3/4		3/4		3/4		3/4	
2	1,390.92	2	1,059.52	2	738.29	2	440.59	2	165.73	2		2		2		2		2	
1/4	1,384.01	1/4	1,052.61	1/4	731.85	1/4	434.64	1/4	160.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,377.11	1/2	1,045.71	1/2	725.41	1/2	428.70	1/2	154.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,370.21	3/4	1,038.80	3/4	718.97	3/4	422.75	3/4	149.29	3/4		3/4		3/4		3/4		3/4	
3	1,363.30	3	1,031.92	3	712.56	3	416.85	3	143.86	3		3		3		3		3	
1/4	1,356.40	1/4	1,025.04	1/4	706.16	1/4	410.94	1/4	138.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,349.49	1/2	1,018.15	1/2	699.76	1/2	405.04	1/2	132.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,342.59	3/4	1,011.27	3/4	693.36	3/4	399.13	3/4	127.54	3/4		3/4		3/4		3/4		3/4	
4	1,335.69	4	1,004.42	4	687.00	4	393.26	4	122.14	4		4		4		4		4	
1/4	1,328.78	1/4	997.58	1/4	680.63	1/4	387.39	1/4	116.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,321.88	1/2	990.74	1/2	674.27	1/2	381.52	1/2	111.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,314.97	3/4	983.89	3/4	667.91	3/4	375.65	3/4	105.95	3/4		3/4		3/4		3/4		3/4	
5	1,308.07	5	977.09	5	661.59	5	369.81	5	100.59	5		5		5		5		5	
1/4	1,301.16	1/4	970.28	1/4	655.27	1/4	363.97	1/4	95.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,294.26	1/2	963.48	1/2	648.94	1/2	358.13	1/2	89.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,287.36	3/4	956.68	3/4	642.62	3/4	352.29	3/4	84.52	3/4		3/4		3/4		3/4		3/4	
6	1,280.45	6	949.91	6	636.34	6	346.49	6	79.20	6		6		6		6		6	
1/4	1,273.55	1/4	943.15	1/4	630.06	1/4	340.69	1/4	73.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,266.64	1/2	936.39	1/2	623.78	1/2	334.89	1/2	68.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,259.74	3/4	929.62	3/4	617.50	3/4	329.09	3/4	63.25	3/4		3/4		3/4		3/4		3/4	
7	1,252.83	7	922.90	7	611.26	7	323.33	7	57.97	7		7		7		7		7	
1/4	1,245.93	1/4	916.17	1/4	605.03	1/4	317.58	1/4	52.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,239.03	1/2	909.45	1/2	598.80	1/2	311.82	1/2	47.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,232.12	3/4	902.73	3/4	592.57	3/4	306.06	3/4	42.14	3/4		3/4		3/4		3/4		3/4	
8	1,225.22	8	896.04	8	586.38	8	300.34	8	37.77	8		8		8		8		8	
1/4	1,218.31	1/4	889.36	1/4	580.19	1/4	294.62	1/4	33.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,211.41	1/2	882.68	1/2	574.01	1/2	288.90	1/2	29.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,204.51	3/4	875.99	3/4	567.82	3/4	283.18	3/4	24.64	3/4		3/4		3/4		3/4		3/4	
9	1,197.60	9	869.35	9	561.68	9	277.50	9	22.03	9		9		9		9		9	
1/4	1,190.70	1/4	862.71	1/4	555.53	1/4	271.82	1/4	19.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,183.79	1/2	856.06	1/2	549.39	1/2	266.14	1/2	16.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,176.89	3/4	849.42	3/4	543.24	3/4	260.46	3/4	14.21	3/4		3/4		3/4		3/4		3/4	
10	1,169.98	10	842.82	10	537.14	10	254.83	10		10		10		10		10		10	
1/4	1,163.08	1/4	836.22	1/4	531.03	1/4	249.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,156.18	1/2	829.61	1/2	524.93	1/2	243.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,149.27	3/4	823.01	3/4	518.82	3/4	237.91	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,142.37	11	816.45	11	512.76	11	232.31	11		11		11		11		11		11	
1/4	1,135.46	1/4	809.88	1/4	506.69	1/4	226.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,128.56	1/2	803.32	1/2	500.63	1/2	221.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,121.66	3/4	796.76	3/4	494.56	3/4	215.51	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2014 CL
 CALCULATED: 07/16/2014 CL
 PRINTED: 07/16/2014 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 07/2014

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



BARGE "CTCo 358"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 14'-9 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	4,282.49	0	4,003.88	0	3,724.33	0	3,423.10	0	3,101.37	0	2,770.05	0	2,438.73	0	2,107.41	0	1,776.09		
1/4	1/4	4,275.99	1/4	3,998.26	1/4	3,718.29	1/4	3,416.60	1/4	3,094.47	1/4	2,763.15	1/4	2,431.83	1/4	2,101.51	1/4	1,769.19		
1/2	1/2	4,269.49	1/2	3,992.64	1/2	3,712.25	1/2	3,410.10	1/2	3,087.57	1/2	2,756.25	1/2	2,424.93	1/2	2,093.61	1/2	1,762.29		
3/4	3/4	4,263.00	3/4	3,987.01	3/4	3,706.20	3/4	3,403.60	3/4	3,080.67	3/4	2,749.35	3/4	2,418.03	3/4	2,086.71	3/4	1,755.39		
1	1	4,256.50	1	3,981.35	1	3,700.12	1	3,397.08	1	3,073.76	1	2,742.44	1	2,411.12	1	2,079.80	1	1,748.48		
1/4	1/4	4,250.00	1/4	3,975.69	1/4	3,694.04	1/4	3,390.55	1/4	3,066.86	1/4	2,735.54	1/4	2,404.22	1/4	2,072.90	1/4	1,741.58		
1/2	1/2	4,243.51	1/2	3,970.02	1/2	3,687.95	1/2	3,384.02	1/2	3,059.96	1/2	2,728.64	1/2	2,397.32	1/2	2,066.00	1/2	1,734.68		
3/4	3/4	4,237.01	3/4	3,964.36	3/4	3,681.87	3/4	3,377.49	3/4	3,053.06	3/4	2,721.74	3/4	2,390.42	3/4	2,059.10	3/4	1,727.78		
2	2	4,230.51	2	3,958.67	2	3,675.72	2	3,370.92	2	3,046.15	2	2,714.83	2	2,383.51	2	2,052.19	2	1,720.87		
1/4	1/4	4,224.02	1/4	3,952.97	1/4	3,669.57	1/4	3,364.35	1/4	3,039.25	1/4	2,707.93	1/4	2,376.61	1/4	2,045.29	1/4	1,713.97		
1/2	1/2	4,217.52	1/2	3,947.28	1/2	3,663.42	1/2	3,357.78	1/2	3,032.35	1/2	2,701.03	1/2	2,369.71	1/2	2,038.39	1/2	1,707.07		
3/4	3/4	4,211.02	3/4	3,941.58	3/4	3,657.28	3/4	3,351.22	3/4	3,025.45	3/4	2,694.13	3/4	2,362.81	3/4	2,031.49	3/4	1,700.17		
3	3	4,204.56	3	3,935.85	3	3,651.09	3	3,344.61	3	3,018.54	3	2,687.22	3	2,355.90	3	2,024.58	3	1,693.26		
1/4	1/4	4,198.10	1/4	3,930.11	1/4	3,644.90	1/4	3,338.00	1/4	3,011.64	1/4	2,680.32	1/4	2,349.00	1/4	2,017.68	1/4	1,686.36		
1/2	1/2	4,191.63	1/2	3,924.37	1/2	3,638.71	1/2	3,331.39	1/2	3,004.74	1/2	2,673.42	1/2	2,342.10	1/2	2,010.78	1/2	1,679.46		
3/4	3/4	4,185.17	3/4	3,918.63	3/4	3,632.52	3/4	3,324.78	3/4	2,997.84	3/4	2,666.52	3/4	2,335.20	3/4	2,003.88	3/4	1,672.56		
4	4	4,178.71	4	3,912.87	4	3,626.30	4	3,318.14	4	2,990.93	4	2,659.61	4	2,328.29	4	1,996.97	4	1,665.65		
1/4	1/4	4,172.25	1/4	3,907.10	1/4	3,620.08	1/4	3,311.50	1/4	2,984.03	1/4	2,652.71	1/4	2,321.39	1/4	1,990.07	1/4	1,658.75		
1/2	1/2	4,165.78	1/2	3,901.34	1/2	3,613.86	1/2	3,304.86	1/2	2,977.13	1/2	2,645.81	1/2	2,314.49	1/2	1,983.17	1/2	1,651.85		
3/4	3/4	4,159.32	3/4	3,895.57	3/4	3,607.64	3/4	3,298.22	3/4	2,970.23	3/4	2,638.91	3/4	2,307.59	3/4	1,976.27	3/4	1,644.95		
5	5	4,152.86	5	3,889.78	5	3,601.37	5	3,291.54	5	2,963.32	5	2,632.00	5	2,300.68	5	1,969.36	5	1,638.04		
1/4	1/4	4,146.40	1/4	3,884.00	1/4	3,595.11	1/4	3,284.86	1/4	2,956.42	1/4	2,625.10	1/4	2,293.78	1/4	1,962.46	1/4	1,631.14		
1/2	1/2	4,139.93	1/2	3,878.21	1/2	3,588.85	1/2	3,278.17	1/2	2,949.52	1/2	2,618.20	1/2	2,286.88	1/2	1,955.56	1/2	1,624.24		
3/4	3/4	4,133.47	3/4	3,872.42	3/4	3,582.58	3/4	3,271.49	3/4	2,942.62	3/4	2,611.30	3/4	2,279.98	3/4	1,948.66	3/4	1,617.34		
6	6	4,128.46	6	3,866.59	6	3,576.29	6	3,264.78	6	2,935.71	6	2,604.39	6	2,273.07	6	1,941.75	6	1,610.43		
1/4	1/4	4,123.45	1/4	3,860.77	1/4	3,570.00	1/4	3,258.07	1/4	2,928.81	1/4	2,597.49	1/4	2,266.17	1/4	1,934.85	1/4	1,603.53		
1/2	1/2	4,118.44	1/2	3,854.94	1/2	3,563.71	1/2	3,251.36	1/2	2,921.91	1/2	2,590.59	1/2	2,259.27	1/2	1,927.95	1/2	1,596.63		
3/4	3/4	4,113.42	3/4	3,849.11	3/4	3,557.42	3/4	3,244.65	3/4	2,915.01	3/4	2,583.69	3/4	2,252.37	3/4	1,921.05	3/4	1,589.73		
7	7	4,108.38	7	3,843.25	7	3,551.09	7	3,237.89	7	2,908.10	7	2,576.78	7	2,245.46	7	1,914.14	7	1,582.82		
1/4	1/4	4,103.34	1/4	3,837.39	1/4	3,544.77	1/4	3,231.14	1/4	2,901.20	1/4	2,569.88	1/4	2,238.56	1/4	1,907.24	1/4	1,575.92		
1/2	1/2	4,098.30	1/2	3,831.53	1/2	3,538.45	1/2	3,224.38	1/2	2,894.30	1/2	2,562.98	1/2	2,231.66	1/2	1,900.34	1/2	1,569.02		
3/4	3/4	4,093.25	3/4	3,825.67	3/4	3,532.12	3/4	3,217.63	3/4	2,887.40	3/4	2,556.08	3/4	2,224.76	3/4	1,893.44	3/4	1,562.12		
8	8	4,088.17	8	3,819.77	8	3,525.76	8	3,210.84	8	2,880.49	8	2,549.17	8	2,217.85	8	1,886.53	8	1,555.21		
1/4	1/4	4,083.08	1/4	3,813.88	1/4	3,519.40	1/4	3,204.06	1/4	2,873.59	1/4	2,542.27	1/4	2,210.95	1/4	1,879.63	1/4	1,548.31		
1/2	1/2	4,078.00	1/2	3,807.98	1/2	3,513.04	1/2	3,197.28	1/2	2,866.69	1/2	2,535.37	1/2	2,204.05	1/2	1,872.73	1/2	1,541.41		
3/4	3/4	4,072.91	3/4	3,802.08	3/4	3,506.67	3/4	3,190.49	3/4	2,859.79	3/4	2,528.47	3/4	2,197.15	3/4	1,865.83	3/4	1,534.51		
9	9	4,067.80	9	3,796.15	9	3,500.29	9	3,183.68	9	2,852.88	9	2,521.56	9	2,190.24	9	1,858.92	9	1,527.60		
1/4	1/4	4,062.68	1/4	3,790.21	1/4	3,493.90	1/4	3,176.86	1/4	2,845.98	1/4	2,514.66	1/4	2,183.34	1/4	1,852.02	1/4	1,520.70		
1/2	1/2	4,057.57	1/2	3,784.28	1/2	3,487.52	1/2	3,170.05	1/2	2,839.08	1/2	2,507.76	1/2	2,176.44	1/2	1,845.12	1/2	1,513.80		
3/4	3/4	4,052.45	3/4	3,778.35	3/4	3,481.13	3/4	3,163.23	3/4	2,832.18	3/4	2,500.86	3/4	2,169.54	3/4	1,838.22	3/4	1,506.90		
10	10	4,047.31	10	3,772.37	10	3,474.71	10	3,156.38	10	2,825.27	10	2,493.95	10	2,162.63	10	1,831.31	10	1,499.99		
1/4	1/4	4,042.16	1/4	3,766.39	1/4	3,468.28	1/4	3,149.52	1/4	2,818.37	1/4	2,487.05	1/4	2,155.73	1/4	1,824.41	1/4	1,493.09		
1/2	1/2	4,037.02	1/2	3,760.40	1/2	3,461.85	1/2	3,142.67	1/2	2,811.47	1/2	2,480.15	1/2	2,148.83	1/2	1,817.51	1/2	1,486.19		
3/4	3/4	4,031.87	3/4	3,754.42	3/4	3,455.43	3/4	3,135.81	3/4	2,804.57	3/4	2,473.25	3/4	2,141.93	3/4	1,810.61	3/4	1,479.29		
11	11	4,026.28	11	3,748.41	11	3,448.97	11	3,128.93	11	2,797.66	11	2,466.34	11	2,135.02	11	1,803.70	11	1,472.38		
1/4	1/4	4,020.69	1/4	3,742.40	1/4	3,442.52	1/4	3,122.04	1/4	2,790.76	1/4	2,459.44	1/4	2,128.12	1/4	1,796.80	1/4	1,465.48		
1/2	1/2	4,015.10	1/2	3,736.39	1/2	3,436.06	1/2	3,115.16	1/2	2,783.86	1/2	2,452.54	1/2	2,121.22	1/2	1,789.90	1/2	1,458.58		
3/4	3/4	4,288.98	3/4	4,009.51	3/4	3,730.38	3/4	3,429.60	3/4	3,108.28	3/4	2,776.96	3/4	2,445.64	3/4	2,114.32	3/4	1,783.00	3/4	1,451.68

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'-03" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD

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



BARGE "CTCo 358"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-9 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	1,444.77	0	1,113.45	0	789.01	0	487.87	0	209.96	0		0		0		0		0	
1/4	1,437.87	1/4	1,106.55	1/4	782.49	1/4	481.87	1/4	204.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,430.97	1/2	1,099.65	1/2	775.97	1/2	475.87	1/2	198.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,424.07	3/4	1,092.75	3/4	769.45	3/4	469.87	3/4	193.28	3/4		3/4		3/4		3/4		3/4	
1	1,417.16	1	1,085.84	1	762.97	1	463.91	1	187.76	1		1		1		1		1	
1/4	1,410.26	1/4	1,078.94	1/4	756.49	1/4	457.95	1/4	182.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,403.36	1/2	1,072.04	1/2	750.01	1/2	451.99	1/2	176.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,396.46	3/4	1,065.14	3/4	743.53	3/4	446.03	3/4	171.21	3/4		3/4		3/4		3/4		3/4	
2	1,389.55	2	1,058.23	2	737.08	2	440.11	2	165.73	2		2		2		2		2	
1/4	1,382.65	1/4	1,051.33	1/4	730.64	1/4	434.19	1/4	160.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,375.75	1/2	1,044.43	1/2	724.20	1/2	428.27	1/2	154.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,368.85	3/4	1,037.53	3/4	717.76	3/4	422.35	3/4	149.30	3/4		3/4		3/4		3/4		3/4	
3	1,361.94	3	1,030.64	3	711.36	3	416.47	3	143.86	3		3		3		3		3	
1/4	1,355.04	1/4	1,023.76	1/4	704.96	1/4	410.59	1/4	138.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,348.14	1/2	1,016.88	1/2	698.56	1/2	404.71	1/2	132.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,341.24	3/4	1,010.00	3/4	692.16	3/4	398.83	3/4	127.54	3/4		3/4		3/4		3/4		3/4	
4	1,334.33	4	1,003.15	4	685.80	4	392.99	4	122.15	4		4		4		4		4	
1/4	1,327.43	1/4	996.31	1/4	679.44	1/4	387.14	1/4	116.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,320.53	1/2	989.47	1/2	673.07	1/2	381.29	1/2	111.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,313.63	3/4	982.63	3/4	666.71	3/4	375.45	3/4	105.95	3/4		3/4		3/4		3/4		3/4	
5	1,306.72	5	975.82	5	660.39	5	369.63	5	100.60	5		5		5		5		5	
1/4	1,299.82	1/4	969.02	1/4	654.07	1/4	363.82	1/4	95.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,292.92	1/2	962.22	1/2	647.75	1/2	358.00	1/2	89.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,286.02	3/4	955.42	3/4	641.43	3/4	352.19	3/4	84.52	3/4		3/4		3/4		3/4		3/4	
6	1,279.11	6	948.66	6	635.15	6	346.41	6	79.20	6		6		6		6		6	
1/4	1,272.21	1/4	941.89	1/4	628.87	1/4	340.64	1/4	73.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,265.31	1/2	935.13	1/2	622.59	1/2	334.86	1/2	68.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,258.41	3/4	928.37	3/4	616.31	3/4	329.09	3/4	63.25	3/4		3/4		3/4		3/4		3/4	
7	1,251.50	7	921.65	7	610.10	7	323.33	7	57.97	7		7		7		7		7	
1/4	1,244.60	1/4	914.93	1/4	603.89	1/4	317.57	1/4	52.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,237.70	1/2	908.20	1/2	597.68	1/2	311.81	1/2	47.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,230.80	3/4	901.48	3/4	591.48	3/4	306.05	3/4	42.14	3/4		3/4		3/4		3/4		3/4	
8	1,223.89	8	894.80	8	585.32	8	300.33	8	37.77	8		8		8		8		8	
1/4	1,216.99	1/4	888.12	1/4	579.16	1/4	294.61	1/4	33.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,210.09	1/2	881.44	1/2	572.99	1/2	288.89	1/2	29.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,203.19	3/4	874.75	3/4	566.83	3/4	283.18	3/4	24.64	3/4		3/4		3/4		3/4		3/4	
9	1,196.28	9	868.11	9	560.71	9	277.50	9	22.03	9		9		9		9		9	
1/4	1,189.38	1/4	861.47	1/4	554.59	1/4	271.82	1/4	19.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,182.48	1/2	854.83	1/2	548.47	1/2	266.14	1/2	16.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,175.58	3/4	848.19	3/4	542.35	3/4	260.46	3/4	14.21	3/4		3/4		3/4		3/4		3/4	
10	1,168.67	10	841.59	10	536.27	10	254.82	10		10		10		10		10		10	
1/4	1,161.77	1/4	834.98	1/4	530.19	1/4	249.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,154.87	1/2	828.38	1/2	524.11	1/2	243.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,147.97	3/4	821.78	3/4	518.03	3/4	237.91	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,141.06	11	815.22	11	511.99	11	232.31	11		11		11		11		11		11	
1/4	1,134.16	1/4	808.66	1/4	505.95	1/4	226.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,127.26	1/2	802.10	1/2	499.91	1/2	221.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,120.36	3/4	795.54	3/4	493.87	3/4	215.51	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2014 CL
CALCULATED: 07/16/2014 CL
PRINTED: 07/16/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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