



BARGE "CTCO 357B"

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	01-1/8	- 01-1/8	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	01-1/8	- 01-1/8	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	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8
3 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8

(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 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 275'-03"

May 15, 2015

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 357B"

3 STBD 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	4,946.64	0	4,601.49	0	4,239.74	0	3,861.39	0	3,472.68	0	3,084.30	0	2,696.00	0	2,307.95		
1/4	1/4	1/4	4,939.63	1/4	4,594.13	1/4	4,232.04	1/4	3,853.34	1/4	3,464.58	1/4	3,076.21	1/4	2,687.93	1/4	2,299.86		
1/2	1/2	1/2	5,287.83	1/2	4,932.61	1/2	4,586.77	1/2	4,224.33	1/2	3,845.28	1/2	3,456.49	1/2	3,068.12	1/2	2,679.85	1/2	2,291.76
3/4	3/4	3/4	5,282.26	3/4	4,925.56	3/4	4,579.38	3/4	4,216.59	3/4	3,837.20	3/4	3,448.40	3/4	3,060.03	3/4	2,671.77	3/4	2,283.67
1	1	1	5,276.69	1	4,918.52	1	4,571.98	1	4,208.85	1	3,829.12	1	3,440.30	1	3,051.94	1	2,663.69	1	2,275.57
1/4	1/4	1/4	5,271.12	1/4	4,911.47	1/4	4,564.59	1/4	4,201.11	1/4	3,821.03	1/4	3,432.21	1/4	3,043.84	1/4	2,655.62	1/4	2,267.48
1/2	1/2	1/2	5,265.54	1/2	4,904.42	1/2	4,557.20	1/2	4,193.37	1/2	3,812.95	1/2	3,424.11	1/2	3,035.75	1/2	2,647.54	1/2	2,259.39
3/4	3/4	3/4	5,257.95	3/4	4,897.35	3/4	4,549.78	3/4	4,185.61	3/4	3,804.85	3/4	3,416.02	3/4	3,027.66	3/4	2,639.46	3/4	2,251.29
2	2	2	5,250.35	2	4,890.27	2	4,542.36	2	4,177.84	2	3,796.74	2	3,407.93	2	3,019.57	2	2,631.39	2	2,243.20
1/4	1/4	1/4	5,242.75	1/4	4,883.20	1/4	4,534.93	1/4	4,170.07	1/4	3,788.64	1/4	3,399.84	1/4	3,011.48	1/4	2,623.31	1/4	2,235.11
1/2	1/2	1/2	5,235.15	1/2	4,876.12	1/2	4,527.51	1/2	4,162.30	1/2	3,780.54	1/2	3,391.75	1/2	3,003.39	1/2	2,615.23	1/2	2,227.01
3/4	3/4	3/4	5,227.04	3/4	4,869.02	3/4	4,520.06	3/4	4,154.51	3/4	3,772.44	3/4	3,383.66	3/4	2,995.30	3/4	2,607.15	3/4	2,218.92
3	3	3	5,218.94	3	4,861.91	3	4,512.61	3	4,146.71	3	3,764.33	3	3,375.57	3	2,987.21	3	2,599.08	3	2,210.82
1/4	1/4	1/4	5,210.83	1/4	4,854.81	1/4	4,505.16	1/4	4,138.92	1/4	3,756.22	1/4	3,367.48	1/4	2,979.12	1/4	2,591.00	1/4	2,202.73
1/2	1/2	1/2	5,202.73	1/2	4,847.71	1/2	4,497.71	1/2	4,131.12	1/2	3,748.12	1/2	3,359.39	1/2	2,971.03	1/2	2,582.92	1/2	2,194.64
3/4	3/4	3/4	5,194.62	3/4	4,840.57	3/4	4,490.23	3/4	4,123.30	3/4	3,740.01	3/4	3,351.30	3/4	2,962.94	3/4	2,574.84	3/4	2,186.54
4	4	4	5,186.52	4	4,833.44	4	4,482.76	4	4,115.47	4	3,731.91	4	3,343.21	4	2,954.84	4	2,566.77	4	2,178.45
1/4	1/4	1/4	5,178.41	1/4	4,826.31	1/4	4,475.28	1/4	4,107.65	1/4	3,723.80	1/4	3,335.12	1/4	2,946.75	1/4	2,558.69	1/4	2,170.35
1/2	1/2	1/2	5,170.30	1/2	4,819.17	1/2	4,467.80	1/2	4,099.82	1/2	3,715.70	1/2	3,327.03	1/2	2,938.66	1/2	2,550.61	1/2	2,162.26
3/4	3/4	3/4	5,162.20	3/4	4,812.01	3/4	4,460.29	3/4	4,091.97	3/4	3,707.59	3/4	3,318.93	3/4	2,930.57	3/4	2,542.54	3/4	2,154.17
5	5	5	5,154.09	5	4,804.85	5	4,452.78	5	4,084.12	5	3,699.48	5	3,310.84	5	2,922.48	5	2,534.46	5	2,146.07
1/4	1/4	1/4	5,145.99	1/4	4,797.69	1/4	4,445.28	1/4	4,076.26	1/4	3,691.38	1/4	3,302.75	1/4	2,914.39	1/4	2,526.38	1/4	2,137.98
1/2	1/2	1/2	5,137.88	1/2	4,790.53	1/2	4,437.77	1/2	4,068.41	1/2	3,683.27	1/2	3,294.66	1/2	2,906.30	1/2	2,518.30	1/2	2,129.88
3/4	3/4	3/4	5,129.78	3/4	4,783.34	3/4	4,430.23	3/4	4,060.53	3/4	3,675.17	3/4	3,286.57	3/4	2,898.21	3/4	2,510.23	3/4	2,121.79
6	6	6	5,121.67	6	4,776.14	6	4,422.69	6	4,052.64	6	3,667.06	6	3,278.48	6	2,890.12	6	2,502.15	6	2,113.70
1/4	1/4	1/4	5,113.56	1/4	4,768.95	1/4	4,415.16	1/4	4,044.76	1/4	3,658.96	1/4	3,270.39	1/4	2,882.03	1/4	2,494.07	1/4	2,105.60
1/2	1/2	1/2	5,105.46	1/2	4,761.76	1/2	4,407.62	1/2	4,036.88	1/2	3,650.85	1/2	3,262.30	1/2	2,873.94	1/2	2,486.00	1/2	2,097.51
3/4	3/4	3/4	5,097.35	3/4	4,754.54	3/4	4,400.06	3/4	4,028.97	3/4	3,642.74	3/4	3,254.21	3/4	2,865.84	3/4	2,477.91	3/4	2,089.42
7	7	7	5,089.25	7	4,747.32	7	4,392.49	7	4,021.06	7	3,634.64	7	3,246.12	7	2,857.75	7	2,469.82	7	2,081.32
1/4	1/4	1/4	5,081.14	1/4	4,740.11	1/4	4,384.93	1/4	4,013.15	1/4	3,626.53	1/4	3,238.03	1/4	2,849.66	1/4	2,461.73	1/4	2,073.23
1/2	1/2	1/2	5,073.04	1/2	4,732.89	1/2	4,377.36	1/2	4,005.24	1/2	3,618.43	1/2	3,229.93	1/2	2,841.57	1/2	2,453.64	1/2	2,065.13
3/4	3/4	3/4	5,065.83	3/4	4,725.64	3/4	4,369.77	3/4	3,997.30	3/4	3,610.32	3/4	3,221.84	3/4	2,833.48	3/4	2,445.55	3/4	2,057.04
8	8	8	5,058.62	8	4,718.39	8	4,362.17	8	3,989.36	8	3,602.22	8	3,213.75	8	2,825.39	8	2,437.45	8	2,048.95
1/4	1/4	1/4	5,051.41	1/4	4,711.14	1/4	4,354.58	1/4	3,981.42	1/4	3,594.11	1/4	3,205.66	1/4	2,817.30	1/4	2,429.36	1/4	2,040.85
1/2	1/2	1/2	5,044.20	1/2	4,703.89	1/2	4,346.98	1/2	3,973.48	1/2	3,586.00	1/2	3,197.57	1/2	2,809.21	1/2	2,421.26	1/2	2,032.76
3/4	3/4	3/4	5,037.27	3/4	4,696.62	3/4	4,339.36	3/4	3,965.51	3/4	3,577.91	3/4	3,189.48	3/4	2,801.12	3/4	2,413.17	3/4	2,024.66
9	9	9	5,030.34	9	4,689.34	9	4,331.74	9	3,957.54	9	3,569.81	9	3,181.39	9	2,793.03	9	2,405.08	9	2,016.57
1/4	1/4	1/4	5,023.41	1/4	4,682.06	1/4	4,324.12	1/4	3,949.57	1/4	3,561.71	1/4	3,173.30	1/4	2,784.94	1/4	2,396.98	1/4	2,008.48
1/2	1/2	1/2	5,016.48	1/2	4,674.78	1/2	4,316.49	1/2	3,941.60	1/2	3,553.62	1/2	3,165.21	1/2	2,776.84	1/2	2,388.89	1/2	2,000.38
3/4	3/4	3/4	5,009.52	3/4	4,667.48	3/4	4,308.84	3/4	3,933.60	3/4	3,545.52	3/4	3,157.12	3/4	2,768.75	3/4	2,380.80	3/4	1,992.29
10	10	10	5,002.56	10	4,660.17	10	4,301.19	10	3,925.61	10	3,537.43	10	3,149.03	10	2,760.66	10	2,372.70	10	1,984.19
1/4	1/4	1/4	4,995.60	1/4	4,652.87	1/4	4,293.54	1/4	3,917.61	1/4	3,529.34	1/4	3,140.94	1/4	2,752.57	1/4	2,364.61	1/4	1,976.10
1/2	1/2	1/2	4,988.64	1/2	4,645.56	1/2	4,285.89	1/2	3,909.61	1/2	3,521.24	1/2	3,132.84	1/2	2,744.48	1/2	2,356.51	1/2	1,968.01
3/4	3/4	3/4	4,981.65	3/4	4,638.23	3/4	4,278.20	3/4	3,901.58	3/4	3,513.15	3/4	3,124.75	3/4	2,736.40	3/4	2,348.42	3/4	1,959.91
11	11	11	4,974.66	11	4,630.89	11	4,270.52	11	3,893.56	11	3,505.05	11	3,116.66	11	2,728.32	11	2,340.33	11	1,951.82
1/4	1/4	1/4	4,967.67	1/4	4,623.56	1/4	4,262.84	1/4	3,885.53	1/4	3,496.96	1/4	3,108.57	1/4	2,720.24	1/4	2,332.23	1/4	1,943.72
1/2	1/2	1/2	4,960.68	1/2	4,616.22	1/2	4,255.16	1/2	3,877.51	1/2	3,488.87	1/2	3,100.48	1/2	2,712.16	1/2	2,324.14	1/2	1,935.63
3/4	3/4	3/4	4,953.66	3/4	4,608.86	3/4	4,247.45	3/4	3,869.45	3/4	3,480.77	3/4	3,092.39	3/4	2,704.08	3/4	2,316.04	3/4	1,927.58

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'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
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BARGE "CTCo 357B"

3 STBD 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	1,919.53	0	1,533.66	0	1,145.18	0	760.64	0	380.87	0		0		0		0		0	
1/4	1,911.48	1/4	1,525.58	1/4	1,137.09	1/4	752.81	1/4	372.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,903.42	1/2	1,517.50	1/2	1,128.99	1/2	744.98	1/2	364.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,895.39	3/4	1,509.41	3/4	1,120.90	3/4	737.16	3/4	356.59	3/4		3/4		3/4		3/4		3/4	
1	1,887.35	1	1,501.31	1	1,112.80	1	729.33	1	348.50	1		1		1		1		1	
1/4	1,879.31	1/4	1,493.22	1/4	1,104.71	1/4	721.51	1/4	340.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,871.28	1/2	1,485.12	1/2	1,096.62	1/2	713.68	1/2	332.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,863.24	3/4	1,477.03	3/4	1,088.52	3/4	705.86	3/4	324.21	3/4		3/4		3/4		3/4		3/4	
2	1,855.20	2	1,468.94	2	1,080.43	2	698.03	2	316.12	2		2		2		2		2	
1/4	1,847.17	1/4	1,460.84	1/4	1,072.34	1/4	690.21	1/4	308.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,839.13	1/2	1,452.75	1/2	1,064.24	1/2	682.38	1/2	299.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,831.09	3/4	1,444.65	3/4	1,056.15	3/4	674.56	3/4	291.84	3/4		3/4		3/4		3/4		3/4	
3	1,823.06	3	1,436.56	3	1,048.05	3	666.73	3	283.75	3		3		3		3		3	
1/4	1,815.02	1/4	1,428.47	1/4	1,039.96	1/4	658.91	1/4	275.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,806.98	1/2	1,420.37	1/2	1,031.87	1/2	651.08	1/2	267.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,798.95	3/4	1,412.28	3/4	1,023.77	3/4	643.26	3/4	259.47	3/4		3/4		3/4		3/4		3/4	
4	1,790.91	4	1,404.19	4	1,015.68	4	635.43	4	251.37	4		4		4		4		4	
1/4	1,782.87	1/4	1,396.09	1/4	1,007.58	1/4	627.61	1/4	243.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,774.84	1/2	1,388.00	1/2	999.49	1/2	619.78	1/2	235.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,766.80	3/4	1,379.90	3/4	991.40	3/4	611.95	3/4	227.09	3/4		3/4		3/4		3/4		3/4	
5	1,758.76	5	1,371.81	5	983.30	5	604.13	5	219.00	5		5		5		5		5	
1/4	1,750.73	1/4	1,363.72	1/4	975.21	1/4	596.30	1/4	210.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,742.69	1/2	1,355.62	1/2	967.11	1/2	588.48	1/2	202.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,734.66	3/4	1,347.53	3/4	959.02	3/4	580.65	3/4	194.72	3/4		3/4		3/4		3/4		3/4	
6	1,726.62	6	1,339.43	6	950.93	6	572.82	6	186.62	6		6		6		6		6	
1/4	1,718.58	1/4	1,331.34	1/4	942.83	1/4	564.98	1/4	178.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,710.55	1/2	1,323.25	1/2	934.74	1/2	557.15	1/2	170.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,702.51	3/4	1,315.15	3/4	926.65	3/4	549.31	3/4	162.34	3/4		3/4		3/4		3/4		3/4	
7	1,694.47	7	1,307.06	7	918.55	7	541.48	7	154.25	7		7		7		7		7	
1/4	1,686.44	1/4	1,298.96	1/4	910.46	1/4	533.64	1/4	146.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,678.40	1/2	1,290.87	1/2	902.36	1/2	525.80	1/2	138.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,670.36	3/4	1,282.78	3/4	894.36	3/4	517.86	3/4	129.97	3/4		3/4		3/4		3/4		3/4	
8	1,662.33	8	1,274.68	8	886.36	8	509.93	8	121.87	8		8		8		8		8	
1/4	1,654.29	1/4	1,266.59	1/4	878.37	1/4	501.99	1/4	113.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,646.25	1/2	1,258.49	1/2	870.37	1/2	494.05	1/2	105.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,638.22	3/4	1,250.40	3/4	862.50	3/4	485.99	3/4	97.59	3/4		3/4		3/4		3/4		3/4	
9	1,630.18	9	1,242.31	9	854.63	9	477.93	9	89.50	9		9		9		9		9	
1/4	1,622.14	1/4	1,234.21	1/4	846.77	1/4	469.87	1/4	81.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,614.11	1/2	1,226.12	1/2	838.90	1/2	461.81	1/2	73.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,606.07	3/4	1,218.03	3/4	831.07	3/4	453.71	3/4	65.98	3/4		3/4		3/4		3/4		3/4	
10	1,598.03	10	1,209.93	10	823.25	10	445.62	10	58.64	10		10		10		10		10	
1/4	1,590.00	1/4	1,201.84	1/4	815.42	1/4	437.52	1/4	51.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,581.96	1/2	1,193.74	1/2	807.59	1/2	429.43	1/2	43.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,573.92	3/4	1,185.65	3/4	799.76	3/4	421.34	3/4	38.40	3/4		3/4		3/4		3/4		3/4	
11	1,565.89	11	1,177.56	11	791.94	11	413.24	11	32.83	11		11		11		11		11	
1/4	1,557.85	1/4	1,169.46	1/4	784.11	1/4	405.15	1/4	27.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,549.81	1/2	1,161.37	1/2	776.29	1/2	397.06	1/2	21.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,541.73	3/4	1,153.27	3/4	768.46	3/4	388.96	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2015 CL
CALCULATED: 05/15/2015 CL
PRINTED: 05/15/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

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



BARGE "CTCo 357B"

3 PORT 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	4,949.42	0	4,606.07	0	4,245.07	0	3,866.42	0	3,476.91	0	3,087.75	0	2,698.18	0	2,308.25		
1/4	1/4	5,296.11	1/4	4,942.44	1/4	4,598.75	1/4	4,237.39	1/4	3,858.34	1/4	3,468.81	1/4	3,079.63	1/4	2,690.06	1/4	2,300.12	
1/2	1/2	5,290.56	1/2	4,935.44	1/2	4,591.40	1/2	4,229.67	1/2	3,850.24	1/2	3,460.71	1/2	3,071.52	1/2	2,681.93	1/2	2,292.00	
3/4	3/4	5,285.01	3/4	4,928.43	3/4	4,584.05	3/4	4,221.95	3/4	3,842.14	3/4	3,452.60	3/4	3,063.40	3/4	2,673.81	3/4	2,283.88	
1	1	5,279.45	1	4,921.43	1	4,576.70	1	4,214.24	1	3,834.03	1	3,444.50	1	3,055.29	1	2,665.68	1	2,275.75	
1/4	1/4	5,273.90	1/4	4,914.42	1/4	4,569.34	1/4	4,206.52	1/4	3,825.93	1/4	3,436.40	1/4	3,047.17	1/4	2,657.56	1/4	2,267.63	
1/2	1/2	5,266.31	1/2	4,907.39	1/2	4,561.97	1/2	4,198.78	1/2	3,817.81	1/2	3,428.29	1/2	3,039.06	1/2	2,649.44	1/2	2,259.50	
3/4	3/4	5,258.73	3/4	4,900.35	3/4	4,554.59	3/4	4,191.03	3/4	3,809.68	3/4	3,420.19	3/4	3,030.95	3/4	2,641.31	3/4	2,251.38	
2	2	5,251.14	2	4,893.32	2	4,547.21	2	4,183.29	2	3,801.56	2	3,412.08	2	3,022.83	2	2,633.19	2	2,243.26	
1/4	1/4	5,243.56	1/4	4,886.28	1/4	4,539.83	1/4	4,175.54	1/4	3,793.44	1/4	3,403.98	1/4	3,014.72	1/4	2,625.07	1/4	2,235.13	
1/2	1/2	5,235.47	1/2	4,879.22	1/2	4,532.42	1/2	4,167.77	1/2	3,785.31	1/2	3,395.88	1/2	3,006.60	1/2	2,616.94	1/2	2,227.01	
3/4	3/4	5,227.38	3/4	4,872.16	3/4	4,525.01	3/4	4,159.99	3/4	3,777.19	3/4	3,387.77	3/4	2,998.49	3/4	2,608.82	3/4	2,218.89	
3	3	5,219.29	3	4,865.09	3	4,517.60	3	4,152.22	3	3,769.06	3	3,379.67	3	2,990.38	3	2,600.70	3	2,210.76	
1/4	1/4	5,211.19	1/4	4,858.03	1/4	4,510.19	1/4	4,144.45	1/4	3,760.93	1/4	3,371.57	1/4	2,982.26	1/4	2,592.57	1/4	2,202.64	
1/2	1/2	5,203.10	1/2	4,850.94	1/2	4,502.74	1/2	4,136.64	1/2	3,752.81	1/2	3,363.46	1/2	2,974.15	1/2	2,584.45	1/2	2,194.52	
3/4	3/4	5,195.01	3/4	4,843.85	3/4	4,495.28	3/4	4,128.83	3/4	3,744.68	3/4	3,355.36	3/4	2,966.03	3/4	2,576.33	3/4	2,186.39	
4	4	5,186.92	4	4,836.76	4	4,487.82	4	4,121.02	4	3,736.55	4	3,347.26	4	2,957.92	4	2,568.20	4	2,178.27	
1/4	1/4	5,178.83	1/4	4,829.67	1/4	4,480.36	1/4	4,113.21	1/4	3,728.43	1/4	3,339.15	1/4	2,949.81	1/4	2,560.08	1/4	2,170.15	
1/2	1/2	5,170.76	1/2	4,822.54	1/2	4,472.87	1/2	4,105.37	1/2	3,720.31	1/2	3,331.05	1/2	2,941.69	1/2	2,551.95	1/2	2,162.02	
3/4	3/4	5,162.69	3/4	4,815.42	3/4	4,465.37	3/4	4,097.53	3/4	3,712.19	3/4	3,322.94	3/4	2,933.58	3/4	2,543.83	3/4	2,153.90	
5	5	5,154.62	5	4,808.30	5	4,457.88	5	4,089.69	5	3,704.07	5	3,314.84	5	2,925.46	5	2,535.71	5	2,145.77	
1/4	1/4	5,146.55	1/4	4,801.18	1/4	4,450.38	1/4	4,081.85	1/4	3,695.95	1/4	3,306.74	1/4	2,917.35	1/4	2,527.58	1/4	2,137.65	
1/2	1/2	5,138.49	1/2	4,794.03	1/2	4,442.86	1/2	4,073.99	1/2	3,687.84	1/2	3,298.63	1/2	2,909.23	1/2	2,519.46	1/2	2,129.53	
3/4	3/4	5,130.42	3/4	4,786.89	3/4	4,435.34	3/4	4,066.12	3/4	3,679.72	3/4	3,290.53	3/4	2,901.12	3/4	2,511.34	3/4	2,121.40	
6	6	5,122.36	6	4,779.74	6	4,427.82	6	4,058.25	6	3,671.60	6	3,282.43	6	2,893.01	6	2,503.21	6	2,113.28	
1/4	1/4	5,114.30	1/4	4,772.59	1/4	4,420.29	1/4	4,050.38	1/4	3,663.49	1/4	3,274.32	1/4	2,884.89	1/4	2,495.09	1/4	2,105.16	
1/2	1/2	5,106.23	1/2	4,765.41	1/2	4,412.74	1/2	4,042.46	1/2	3,655.37	1/2	3,266.22	1/2	2,876.78	1/2	2,486.97	1/2	2,097.03	
3/4	3/4	5,098.17	3/4	4,758.24	3/4	4,405.19	3/4	4,034.54	3/4	3,647.26	3/4	3,258.11	3/4	2,868.66	3/4	2,478.84	3/4	2,088.91	
7	7	5,090.11	7	4,751.07	7	4,397.64	7	4,026.61	7	3,639.14	7	3,250.01	7	2,860.55	7	2,470.72	7	2,080.79	
1/4	1/4	5,082.04	1/4	4,743.90	1/4	4,390.09	1/4	4,018.69	1/4	3,631.02	1/4	3,241.91	1/4	2,852.44	1/4	2,462.59	1/4	2,072.66	
1/2	1/2	5,074.88	1/2	4,736.70	1/2	4,382.51	1/2	4,010.73	1/2	3,622.91	1/2	3,233.79	1/2	2,844.32	1/2	2,454.47	1/2	2,064.54	
3/4	3/4	5,067.71	3/4	4,729.50	3/4	4,374.93	3/4	4,002.77	3/4	3,614.79	3/4	3,225.68	3/4	2,836.21	3/4	2,446.35	3/4	2,056.41	
8	8	5,060.54	8	4,722.30	8	4,367.35	8	3,994.81	8	3,606.68	8	3,217.57	8	2,828.09	8	2,438.22	8	2,048.29	
1/4	1/4	5,053.37	1/4	4,715.10	1/4	4,359.77	1/4	3,986.85	1/4	3,598.56	1/4	3,209.46	1/4	2,819.98	1/4	2,430.10	1/4	2,040.17	
1/2	1/2	5,046.48	1/2	4,707.88	1/2	4,352.16	1/2	3,978.86	1/2	3,590.45	1/2	3,201.34	1/2	2,811.87	1/2	2,421.98	1/2	2,032.06	
3/4	3/4	5,039.59	3/4	4,700.65	3/4	4,344.55	3/4	3,970.87	3/4	3,582.33	3/4	3,193.23	3/4	2,803.75	3/4	2,413.85	3/4	2,023.96	
9	9	5,032.70	9	4,693.42	9	4,336.94	9	3,962.89	9	3,574.22	9	3,185.11	9	2,795.64	9	2,405.73	9	2,015.85	
1/4	1/4	5,025.81	1/4	4,686.19	1/4	4,329.33	1/4	3,954.90	1/4	3,566.10	1/4	3,177.00	1/4	2,787.52	1/4	2,397.61	1/4	2,007.74	
1/2	1/2	5,018.89	1/2	4,678.94	1/2	4,321.69	1/2	3,946.88	1/2	3,557.99	1/2	3,168.89	1/2	2,779.40	1/2	2,389.48	1/2	1,999.64	
3/4	3/4	5,011.98	3/4	4,671.68	3/4	4,314.05	3/4	3,938.86	3/4	3,549.88	3/4	3,160.77	3/4	2,771.28	3/4	2,381.36	3/4	1,991.54	
10	10	5,005.06	10	4,664.42	10	4,306.42	10	3,930.85	10	3,541.76	10	3,152.66	10	2,763.16	10	2,373.24	10	1,983.44	
1/4	1/4	4,998.14	1/4	4,657.17	1/4	4,298.78	1/4	3,922.83	1/4	3,533.65	1/4	3,144.54	1/4	2,755.04	1/4	2,365.11	1/4	1,975.34	
1/2	1/2	4,991.19	1/2	4,649.88	1/2	4,291.12	1/2	3,914.78	1/2	3,525.54	1/2	3,136.43	1/2	2,746.92	1/2	2,356.99	1/2	1,967.25	
3/4	3/4	4,984.24	3/4	4,642.60	3/4	4,283.46	3/4	3,906.74	3/4	3,517.44	3/4	3,128.32	3/4	2,738.80	3/4	2,348.86	3/4	1,959.15	
11	11	4,977.29	11	4,635.31	11	4,275.80	11	3,898.69	11	3,509.33	11	3,120.20	11	2,730.67	11	2,340.74	11	1,951.05	
1/4	1/4	4,970.35	1/4	4,628.03	1/4	4,268.14	1/4	3,890.64	1/4	3,501.23	1/4	3,112.09	1/4	2,722.55	1/4	2,332.62	1/4	1,942.95	
1/2	1/2	4,963.37	1/2	4,620.71	1/2	4,260.45	1/2	3,882.57	1/2	3,493.12	1/2	3,103.97	1/2	2,714.43	1/2	2,324.49	1/2	1,934.85	
3/4	3/4	4,956.39	3/4	4,613.39	3/4	4,252.76	3/4	3,874.49	3/4	3,485.02	3/4	3,095.86	3/4	2,706.30	3/4	2,316.37	3/4	1,926.75	

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'-00" FORWARD OF AFT BULKHEAD

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



BARGE "CTCo 357B"

3 PORT 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	1,918.65	0	1,529.58	0	1,139.81	0	754.62	0	374.19	0		0		0		0		0	
1/4	1,910.55	1/4	1,521.46	1/4	1,131.69	1/4	746.79	1/4	366.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,902.45	1/2	1,513.34	1/2	1,123.57	1/2	738.97	1/2	357.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,894.35	3/4	1,505.22	3/4	1,115.45	3/4	731.15	3/4	349.81	3/4		3/4		3/4		3/4		3/4	
1	1,886.25	1	1,497.10	1	1,107.33	1	723.33	1	341.68	1		1		1		1		1	
1/4	1,878.15	1/4	1,488.98	1/4	1,099.21	1/4	715.50	1/4	333.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,870.05	1/2	1,480.86	1/2	1,091.09	1/2	707.68	1/2	325.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,861.95	3/4	1,472.74	3/4	1,082.97	3/4	699.86	3/4	317.31	3/4		3/4		3/4		3/4		3/4	
2	1,853.85	2	1,464.62	2	1,074.85	2	692.04	2	309.18	2		2		2		2		2	
1/4	1,845.75	1/4	1,456.50	1/4	1,066.73	1/4	684.21	1/4	301.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,837.65	1/2	1,448.38	1/2	1,058.61	1/2	676.39	1/2	292.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,829.55	3/4	1,440.26	3/4	1,050.49	3/4	668.57	3/4	284.80	3/4		3/4		3/4		3/4		3/4	
3	1,821.45	3	1,432.14	3	1,042.37	3	660.75	3	276.68	3		3		3		3		3	
1/4	1,813.35	1/4	1,424.02	1/4	1,034.25	1/4	652.92	1/4	268.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,805.25	1/2	1,415.90	1/2	1,026.13	1/2	645.10	1/2	260.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,797.15	3/4	1,407.78	3/4	1,018.00	3/4	637.28	3/4	252.30	3/4		3/4		3/4		3/4		3/4	
4	1,789.05	4	1,399.66	4	1,009.88	4	629.46	4	244.17	4		4		4		4		4	
1/4	1,780.95	1/4	1,391.54	1/4	1,001.76	1/4	621.63	1/4	236.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,772.85	1/2	1,383.42	1/2	993.64	1/2	613.81	1/2	227.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,764.76	3/4	1,375.30	3/4	985.52	3/4	605.99	3/4	219.80	3/4		3/4		3/4		3/4		3/4	
5	1,756.66	5	1,367.18	5	977.40	5	598.16	5	211.67	5		5		5		5		5	
1/4	1,748.56	1/4	1,359.06	1/4	969.28	1/4	590.34	1/4	203.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,740.46	1/2	1,350.94	1/2	961.16	1/2	582.51	1/2	195.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,732.36	3/4	1,342.82	3/4	953.04	3/4	574.68	3/4	187.29	3/4		3/4		3/4		3/4		3/4	
6	1,724.26	6	1,334.70	6	944.92	6	566.86	6	179.17	6		6		6		6		6	
1/4	1,716.16	1/4	1,326.58	1/4	936.80	1/4	559.03	1/4	171.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,708.06	1/2	1,318.46	1/2	928.68	1/2	551.19	1/2	162.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,699.96	3/4	1,310.34	3/4	920.56	3/4	543.36	3/4	154.79	3/4		3/4		3/4		3/4		3/4	
7	1,691.86	7	1,302.22	7	912.44	7	535.52	7	146.67	7		7		7		7		7	
1/4	1,683.76	1/4	1,294.09	1/4	904.32	1/4	527.68	1/4	138.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,675.66	1/2	1,285.97	1/2	896.30	1/2	519.74	1/2	130.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,667.56	3/4	1,277.85	3/4	888.28	3/4	511.80	3/4	122.29	3/4		3/4		3/4		3/4		3/4	
8	1,659.46	8	1,269.73	8	880.26	8	503.86	8	114.16	8		8		8		8		8	
1/4	1,651.36	1/4	1,261.61	1/4	872.24	1/4	495.92	1/4	106.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,643.25	1/2	1,253.49	1/2	864.37	1/2	487.83	1/2	97.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,635.13	3/4	1,245.37	3/4	856.49	3/4	479.74	3/4	89.79	3/4		3/4		3/4		3/4		3/4	
9	1,627.02	9	1,237.25	9	848.61	9	471.66	9	81.66	9		9		9		9		9	
1/4	1,618.91	1/4	1,229.13	1/4	840.74	1/4	463.57	1/4	73.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,610.79	1/2	1,221.01	1/2	832.90	1/2	455.44	1/2	66.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,602.67	3/4	1,212.89	3/4	825.06	3/4	447.32	3/4	58.81	3/4		3/4		3/4		3/4		3/4	
10	1,594.55	10	1,204.77	10	817.23	10	439.19	10	51.44	10		10		10		10		10	
1/4	1,586.43	1/4	1,196.65	1/4	809.39	1/4	431.07	1/4	44.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,578.31	1/2	1,188.53	1/2	801.57	1/2	422.94	1/2	38.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,570.19	3/4	1,180.41	3/4	793.74	3/4	414.81	3/4	32.90	3/4		3/4		3/4		3/4		3/4	
11	1,562.06	11	1,172.29	11	785.91	11	406.69	11	27.32	11		11		11		11		11	
1/4	1,553.94	1/4	1,164.17	1/4	778.09	1/4	398.56	1/4	21.73	1/4		1/4		1/4		1/4		1/4	
1/2	1,545.82	1/2	1,156.05	1/2	770.26	1/2	390.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,537.70	3/4	1,147.93	3/4	762.44	3/4	382.31	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2015 CL
CALCULATED: 05/15/2015 CL
PRINTED: 05/15/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

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



BARGE "CTCo 357B"

2 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	5,252.25	0	4,920.78	0	4,578.63	0	4,218.03	0	3,840.49	0	3,453.28	0	3,065.98	0	2,678.67	0	2,291.36		
1/4	1/4	5,247.18	1/4	4,913.93	1/4	4,571.31	1/4	4,210.34	1/4	3,832.44	1/4	3,445.21	1/4	3,057.91	1/4	2,670.60	1/4	2,283.29		
1/2	1/2	5,242.10	1/2	4,907.07	1/2	4,563.99	1/2	4,202.65	1/2	3,824.40	1/2	3,437.15	1/2	3,049.84	1/2	2,662.53	1/2	2,275.22		
3/4	3/4	5,237.03	3/4	4,900.21	3/4	4,556.67	3/4	4,194.96	3/4	3,816.35	3/4	3,429.08	3/4	3,041.77	3/4	2,654.46	3/4	2,267.15		
1	1	5,229.94	1	4,893.21	1	4,549.33	1	4,187.24	1	3,808.29	1	3,421.01	1	3,033.70	1	2,646.39	1	2,259.09		
1/4	1/4	5,222.85	1/4	4,886.20	1/4	4,541.98	1/4	4,179.52	1/4	3,800.23	1/4	3,412.94	1/4	3,025.63	1/4	2,638.32	1/4	2,251.02		
1/2	1/2	5,215.76	1/2	4,879.20	1/2	4,534.63	1/2	4,171.79	1/2	3,792.17	1/2	3,404.87	1/2	3,017.56	1/2	2,630.26	1/2	2,242.95		
3/4	3/4	5,208.67	3/4	4,872.19	3/4	4,527.28	3/4	4,164.07	3/4	3,784.11	3/4	3,396.80	3/4	3,009.49	3/4	2,622.19	3/4	2,234.88		
2	2	5,201.07	2	4,865.16	2	4,519.91	2	4,156.32	2	3,776.04	2	3,388.73	2	3,001.42	2	2,614.12	2	2,226.81		
1/4	1/4	5,193.47	1/4	4,858.13	1/4	4,512.53	1/4	4,148.57	1/4	3,767.97	1/4	3,380.66	1/4	2,993.36	1/4	2,606.05	1/4	2,218.74		
1/2	1/2	5,185.88	1/2	4,851.10	1/2	4,505.15	1/2	4,140.82	1/2	3,759.90	1/2	3,372.59	1/2	2,985.29	1/2	2,597.98	1/2	2,210.67		
3/4	3/4	5,178.28	3/4	4,844.06	3/4	4,497.78	3/4	4,133.07	3/4	3,751.83	3/4	3,364.53	3/4	2,977.22	3/4	2,589.91	3/4	2,202.60		
3	3	5,170.69	3	4,837.00	3	4,490.34	3	4,125.29	3	3,743.76	3	3,356.46	3	2,969.15	3	2,581.84	3	2,194.53		
1/4	1/4	5,163.09	1/4	4,829.94	1/4	4,482.91	1/4	4,117.50	1/4	3,735.69	1/4	3,348.39	1/4	2,961.08	1/4	2,573.77	1/4	2,186.47		
1/2	1/2	5,155.49	1/2	4,822.88	1/2	4,475.47	1/2	4,109.71	1/2	3,727.63	1/2	3,340.32	1/2	2,953.01	1/2	2,565.70	1/2	2,178.40		
3/4	3/4	5,147.90	3/4	4,815.82	3/4	4,468.03	3/4	4,101.93	3/4	3,719.56	3/4	3,332.25	3/4	2,944.94	3/4	2,557.64	3/4	2,170.33		
4	4	5,140.33	4	4,808.73	4	4,460.56	4	4,094.11	4	3,711.49	4	3,324.18	4	2,936.87	4	2,549.57	4	2,162.26		
1/4	1/4	5,132.77	1/4	4,801.64	1/4	4,453.09	1/4	4,086.29	1/4	3,703.42	1/4	3,316.11	1/4	2,928.80	1/4	2,541.50	1/4	2,154.19		
1/2	1/2	5,125.20	1/2	4,794.55	1/2	4,445.61	1/2	4,078.47	1/2	3,695.35	1/2	3,308.04	1/2	2,920.74	1/2	2,533.43	1/2	2,146.12		
3/4	3/4	5,117.63	3/4	4,787.46	3/4	4,438.14	3/4	4,070.66	3/4	3,687.28	3/4	3,299.97	3/4	2,912.67	3/4	2,525.36	3/4	2,138.05		
5	5	5,110.08	5	4,780.34	5	4,430.63	5	4,062.81	5	3,679.21	5	3,291.91	5	2,904.60	5	2,517.29	5	2,129.98		
1/4	1/4	5,102.52	1/4	4,773.22	1/4	4,423.13	1/4	4,054.96	1/4	3,671.14	1/4	3,283.84	1/4	2,896.53	1/4	2,509.22	1/4	2,121.91		
1/2	1/2	5,094.97	1/2	4,766.10	1/2	4,415.63	1/2	4,047.11	1/2	3,663.07	1/2	3,275.77	1/2	2,888.46	1/2	2,501.15	1/2	2,113.85		
3/4	3/4	5,087.41	3/4	4,758.98	3/4	4,408.13	3/4	4,039.27	3/4	3,655.01	3/4	3,267.70	3/4	2,880.39	3/4	2,493.08	3/4	2,105.78		
6	6	5,079.86	6	4,751.85	6	4,400.59	6	4,031.39	6	3,646.94	6	3,259.63	6	2,872.32	6	2,485.02	6	2,097.71		
1/4	1/4	5,072.30	1/4	4,744.71	1/4	4,393.06	1/4	4,023.52	1/4	3,638.87	1/4	3,251.56	1/4	2,864.25	1/4	2,476.95	1/4	2,089.64		
1/2	1/2	5,064.74	1/2	4,737.57	1/2	4,385.53	1/2	4,015.64	1/2	3,630.80	1/2	3,243.49	1/2	2,856.18	1/2	2,468.88	1/2	2,081.57		
3/4	3/4	5,057.19	3/4	4,730.43	3/4	4,378.00	3/4	4,007.77	3/4	3,622.73	3/4	3,235.42	3/4	2,848.12	3/4	2,460.81	3/4	2,073.50		
7	7	5,050.53	7	4,723.26	7	4,370.44	7	3,999.86	7	3,614.66	7	3,227.35	7	2,840.05	7	2,452.74	7	2,065.43		
1/4	1/4	5,043.86	1/4	4,716.10	1/4	4,362.88	1/4	3,991.96	1/4	3,606.59	1/4	3,219.29	1/4	2,831.98	1/4	2,444.67	1/4	2,057.36		
1/2	1/2	5,037.20	1/2	4,708.93	1/2	4,355.32	1/2	3,984.05	1/2	3,598.52	1/2	3,211.22	1/2	2,823.91	1/2	2,436.60	1/2	2,049.29		
3/4	3/4	5,030.53	3/4	4,701.77	3/4	4,347.76	3/4	3,976.15	3/4	3,590.45	3/4	3,203.15	3/4	2,815.84	3/4	2,428.53	3/4	2,041.23		
8	8	5,024.15	8	4,694.57	8	4,340.17	8	3,968.22	8	3,582.39	8	3,195.08	8	2,807.77	8	2,420.46	8	2,033.16		
1/4	1/4	5,017.76	1/4	4,687.38	1/4	4,332.58	1/4	3,960.28	1/4	3,574.32	1/4	3,187.01	1/4	2,799.70	1/4	2,412.40	1/4	2,025.09		
1/2	1/2	5,011.37	1/2	4,680.19	1/2	4,324.99	1/2	3,952.35	1/2	3,566.25	1/2	3,178.94	1/2	2,791.63	1/2	2,404.33	1/2	2,017.02		
3/4	3/4	5,004.98	3/4	4,672.99	3/4	4,317.40	3/4	3,944.42	3/4	3,558.18	3/4	3,170.87	3/4	2,783.56	3/4	2,396.26	3/4	2,008.95		
9	9	4,998.57	9	4,665.77	9	4,309.79	9	3,936.46	9	3,550.11	9	3,162.80	9	2,775.50	9	2,388.19	9	2,000.88		
1/4	1/4	4,992.15	1/4	4,658.55	1/4	4,302.17	1/4	3,928.50	1/4	3,542.04	1/4	3,154.73	1/4	2,767.43	1/4	2,380.12	1/4	1,992.81		
1/2	1/2	4,985.73	1/2	4,651.33	1/2	4,294.55	1/2	3,920.54	1/2	3,533.97	1/2	3,146.66	1/2	2,759.36	1/2	2,372.05	1/2	1,984.74		
3/4	3/4	4,979.32	3/4	4,644.11	3/4	4,286.93	3/4	3,912.57	3/4	3,525.90	3/4	3,138.60	3/4	2,751.29	3/4	2,363.98	3/4	1,976.67		
10	10	4,972.87	10	4,636.85	10	4,279.30	10	3,904.58	10	3,517.83	10	3,130.53	10	2,743.22	10	2,355.91	10	1,968.61		
1/4	1/4	4,966.43	1/4	4,629.60	1/4	4,271.66	1/4	3,896.59	1/4	3,509.77	1/4	3,122.46	1/4	2,735.15	1/4	2,347.84	1/4	1,960.54		
1/2	1/2	4,959.98	1/2	4,622.35	1/2	4,264.02	1/2	3,888.60	1/2	3,501.70	1/2	3,114.39	1/2	2,727.08	1/2	2,339.77	1/2	1,952.47		
3/4	3/4	4,953.53	3/4	4,615.10	3/4	4,256.38	3/4	3,880.61	3/4	3,493.63	3/4	3,106.32	3/4	2,719.01	3/4	2,331.71	3/4	1,944.40		
11	11	4,947.06	11	4,607.81	11	4,248.72	11	3,872.59	11	3,485.56	11	3,098.25	11	2,710.94	11	2,323.64	11	1,936.33		
1/4	1/4	4,940.59	1/4	4,600.53	1/4	4,241.05	1/4	3,864.58	1/4	3,477.49	1/4	3,090.18	1/4	2,702.88	1/4	2,315.57	1/4	1,928.26		
1/2	1/2	4,934.11	1/2	4,593.24	1/2	4,233.39	1/2	3,856.56	1/2	3,469.42	1/2	3,082.11	1/2	2,694.81	1/2	2,307.50	1/2	1,920.19		
3/4	3/4	5,257.32	3/4	4,927.64	3/4	4,585.95	3/4	4,225.73	3/4	3,848.54	3/4	3,461.35	3/4	3,074.04	3/4	2,686.74	3/4	2,299.43	3/4	1,912.12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD

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





BARGE "CTCo 357B"

2 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	1,904.05	0	1,516.75	0	1,129.44	0	742.36	0	355.42	0		0		0		0		0	
1/4	1,895.99	1/4	1,508.68	1/4	1,121.37	1/4	734.31	1/4	347.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,887.92	1/2	1,500.61	1/2	1,113.30	1/2	726.25	1/2	339.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,879.85	3/4	1,492.54	3/4	1,105.23	3/4	718.20	3/4	331.21	3/4		3/4		3/4		3/4		3/4	
1	1,871.78	1	1,484.47	1	1,097.16	1	710.15	1	323.15	1		1		1		1		1	
1/4	1,863.71	1/4	1,476.40	1/4	1,089.10	1/4	702.09	1/4	315.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,855.64	1/2	1,468.33	1/2	1,081.03	1/2	694.04	1/2	307.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,847.57	3/4	1,460.26	3/4	1,072.96	3/4	685.99	3/4	298.94	3/4		3/4		3/4		3/4		3/4	
2	1,839.50	2	1,452.20	2	1,064.89	2	677.94	2	290.87	2		2		2		2		2	
1/4	1,831.43	1/4	1,444.13	1/4	1,056.82	1/4	669.89	1/4	282.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,823.37	1/2	1,436.06	1/2	1,048.75	1/2	661.83	1/2	274.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,815.30	3/4	1,427.99	3/4	1,040.68	3/4	653.78	3/4	266.66	3/4		3/4		3/4		3/4		3/4	
3	1,807.23	3	1,419.92	3	1,032.61	3	645.73	3	258.60	3		3		3		3		3	
1/4	1,799.16	1/4	1,411.85	1/4	1,024.54	1/4	637.68	1/4	250.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,791.09	1/2	1,403.78	1/2	1,016.48	1/2	629.62	1/2	242.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,783.02	3/4	1,395.71	3/4	1,008.41	3/4	621.57	3/4	234.39	3/4		3/4		3/4		3/4		3/4	
4	1,774.95	4	1,387.64	4	1,000.34	4	613.52	4	226.32	4		4		4		4		4	
1/4	1,766.88	1/4	1,379.58	1/4	992.27	1/4	605.46	1/4	218.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,758.81	1/2	1,371.51	1/2	984.20	1/2	597.41	1/2	210.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,750.75	3/4	1,363.44	3/4	976.13	3/4	589.36	3/4	202.12	3/4		3/4		3/4		3/4		3/4	
5	1,742.68	5	1,355.37	5	968.06	5	581.30	5	194.05	5		5		5		5		5	
1/4	1,734.61	1/4	1,347.30	1/4	959.99	1/4	573.24	1/4	185.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,726.54	1/2	1,339.23	1/2	951.92	1/2	565.18	1/2	177.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,718.47	3/4	1,331.16	3/4	943.86	3/4	557.13	3/4	169.84	3/4		3/4		3/4		3/4		3/4	
6	1,710.40	6	1,323.09	6	935.79	6	549.06	6	161.77	6		6		6		6		6	
1/4	1,702.33	1/4	1,315.02	1/4	927.72	1/4	540.99	1/4	153.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,694.26	1/2	1,306.96	1/2	919.65	1/2	532.93	1/2	145.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,686.19	3/4	1,298.89	3/4	911.58	3/4	524.86	3/4	137.57	3/4		3/4		3/4		3/4		3/4	
7	1,678.13	7	1,290.82	7	903.51	7	516.79	7	129.50	7		7		7		7		7	
1/4	1,670.06	1/4	1,282.75	1/4	895.44	1/4	508.72	1/4	121.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,661.99	1/2	1,274.68	1/2	887.37	1/2	500.65	1/2	113.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,653.92	3/4	1,266.61	3/4	879.30	3/4	492.59	3/4	105.29	3/4		3/4		3/4		3/4		3/4	
8	1,645.85	8	1,258.54	8	871.24	8	484.52	8	97.22	8		8		8		8		8	
1/4	1,637.78	1/4	1,250.47	1/4	863.18	1/4	476.45	1/4	89.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,629.71	1/2	1,242.40	1/2	855.12	1/2	468.38	1/2	81.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,621.64	3/4	1,234.34	3/4	847.06	3/4	460.31	3/4	73.02	3/4		3/4		3/4		3/4		3/4	
9	1,613.57	9	1,226.27	9	839.00	9	452.24	9	65.71	9		9		9		9		9	
1/4	1,605.51	1/4	1,218.20	1/4	830.95	1/4	444.17	1/4	58.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,597.44	1/2	1,210.13	1/2	822.89	1/2	436.11	1/2	51.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,589.37	3/4	1,202.06	3/4	814.84	3/4	428.04	3/4	43.77	3/4		3/4		3/4		3/4		3/4	
10	1,581.30	10	1,193.99	10	806.78	10	419.97	10	38.22	10		10		10		10		10	
1/4	1,573.23	1/4	1,185.92	1/4	798.73	1/4	411.90	1/4	32.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,565.16	1/2	1,177.85	1/2	790.68	1/2	403.83	1/2	27.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,557.09	3/4	1,169.78	3/4	782.62	3/4	395.76	3/4	21.58	3/4		3/4		3/4		3/4		3/4	
11	1,549.02	11	1,161.72	11	774.57	11	387.69	11		11		11		11		11		11	
1/4	1,540.95	1/4	1,153.65	1/4	766.52	1/4	379.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,532.88	1/2	1,145.58	1/2	758.46	1/2	371.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,524.82	3/4	1,137.51	3/4	750.41	3/4	363.49	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2015 CL
CALCULATED: 05/15/2015 CL
PRINTED: 05/15/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

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



BARGE "CTCo 357B"

2 PORT 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	5,260.67	0	4,927.82	0	4,584.24	0	4,222.09	0	3,842.89	0	3,453.92	0	3,064.89	0	2,675.86	0	2,286.83		
1/4	1/4	5,255.57	1/4	4,920.93	1/4	4,576.89	1/4	4,214.37	1/4	3,834.80	1/4	3,445.82	1/4	3,056.79	1/4	2,667.76	1/4	2,278.73		
1/2	1/2	5,250.48	1/2	4,914.05	1/2	4,569.54	1/2	4,206.64	1/2	3,826.72	1/2	3,437.71	1/2	3,048.68	1/2	2,659.65	1/2	2,270.62		
3/4	3/4	5,245.38	3/4	4,907.16	3/4	4,562.19	3/4	4,198.91	3/4	3,818.64	3/4	3,429.61	3/4	3,040.58	3/4	2,651.55	3/4	2,262.52		
1	1	5,238.26	1	4,900.13	1	4,554.81	1	4,191.16	1	3,810.53	1	3,421.51	1	3,032.47	1	2,643.44	1	2,254.41		
1/4	1/4	5,231.14	1/4	4,893.10	1/4	4,547.43	1/4	4,183.40	1/4	3,802.43	1/4	3,413.40	1/4	3,024.37	1/4	2,635.34	1/4	2,246.31		
1/2	1/2	5,224.02	1/2	4,886.06	1/2	4,540.05	1/2	4,175.65	1/2	3,794.32	1/2	3,405.30	1/2	3,016.27	1/2	2,627.23	1/2	2,238.20		
3/4	3/4	5,216.89	3/4	4,879.03	3/4	4,532.67	3/4	4,167.90	3/4	3,786.22	3/4	3,397.19	3/4	3,008.16	3/4	2,619.13	3/4	2,230.10		
2	2	5,209.27	2	4,871.97	2	4,525.26	2	4,160.11	2	3,778.12	2	3,389.09	2	3,000.06	2	2,611.03	2	2,221.99		
1/4	1/4	5,201.64	1/4	4,864.91	1/4	4,517.86	1/4	4,152.33	1/4	3,770.01	1/4	3,380.98	1/4	2,991.95	1/4	2,602.92	1/4	2,213.89		
1/2	1/2	5,194.01	1/2	4,857.85	1/2	4,510.45	1/2	4,144.54	1/2	3,761.91	1/2	3,372.88	1/2	2,983.85	1/2	2,594.82	1/2	2,205.79		
3/4	3/4	5,186.38	3/4	4,850.78	3/4	4,503.04	3/4	4,136.76	3/4	3,753.80	3/4	3,364.77	3/4	2,975.74	3/4	2,586.71	3/4	2,197.68		
3	3	5,178.75	3	4,843.69	3	4,495.57	3	4,128.94	3	3,745.70	3	3,356.67	3	2,967.64	3	2,578.61	3	2,189.58		
1/4	1/4	5,171.12	1/4	4,836.60	1/4	4,488.11	1/4	4,121.12	1/4	3,737.59	1/4	3,348.56	1/4	2,959.53	1/4	2,570.50	1/4	2,181.47		
1/2	1/2	5,163.49	1/2	4,829.51	1/2	4,480.64	1/2	4,113.30	1/2	3,729.49	1/2	3,340.46	1/2	2,951.43	1/2	2,562.40	1/2	2,173.37		
3/4	3/4	5,155.86	3/4	4,822.42	3/4	4,473.17	3/4	4,105.48	3/4	3,721.38	3/4	3,332.35	3/4	2,943.32	3/4	2,554.29	3/4	2,165.26		
4	4	5,148.26	4	4,815.30	4	4,465.67	4	4,097.63	4	3,713.28	4	3,324.25	4	2,935.22	4	2,546.19	4	2,157.16		
1/4	1/4	5,140.67	1/4	4,808.18	1/4	4,458.16	1/4	4,089.77	1/4	3,705.17	1/4	3,316.14	1/4	2,927.11	1/4	2,538.08	1/4	2,149.05		
1/2	1/2	5,133.07	1/2	4,801.06	1/2	4,450.65	1/2	4,081.92	1/2	3,697.07	1/2	3,308.04	1/2	2,919.01	1/2	2,529.98	1/2	2,140.95		
3/4	3/4	5,125.47	3/4	4,793.94	3/4	4,443.15	3/4	4,074.07	3/4	3,688.96	3/4	3,299.93	3/4	2,910.90	3/4	2,521.87	3/4	2,132.84		
5	5	5,117.88	5	4,786.80	5	4,435.61	5	4,066.19	5	3,680.86	5	3,291.83	5	2,902.80	5	2,513.77	5	2,124.74		
1/4	1/4	5,110.29	1/4	4,779.65	1/4	4,428.08	1/4	4,058.31	1/4	3,672.75	1/4	3,283.72	1/4	2,894.69	1/4	2,505.66	1/4	2,116.63		
1/2	1/2	5,102.71	1/2	4,772.50	1/2	4,420.54	1/2	4,050.42	1/2	3,664.65	1/2	3,275.62	1/2	2,886.59	1/2	2,497.56	1/2	2,108.53		
3/4	3/4	5,095.12	3/4	4,765.35	3/4	4,413.01	3/4	4,042.54	3/4	3,656.54	3/4	3,267.51	3/4	2,878.48	3/4	2,489.45	3/4	2,100.42		
6	6	5,087.53	6	4,758.18	6	4,405.44	6	4,034.63	6	3,648.44	6	3,259.41	6	2,870.38	6	2,481.35	6	2,092.32		
1/4	1/4	5,079.94	1/4	4,751.01	1/4	4,397.88	1/4	4,026.72	1/4	3,640.33	1/4	3,251.30	1/4	2,862.27	1/4	2,473.24	1/4	2,084.21		
1/2	1/2	5,072.35	1/2	4,743.84	1/2	4,390.31	1/2	4,018.81	1/2	3,632.23	1/2	3,243.20	1/2	2,854.17	1/2	2,465.14	1/2	2,076.11		
3/4	3/4	5,064.76	3/4	4,736.68	3/4	4,382.75	3/4	4,010.90	3/4	3,624.13	3/4	3,235.09	3/4	2,846.06	3/4	2,457.03	3/4	2,068.00		
7	7	5,058.07	7	4,729.48	7	4,375.16	7	4,002.96	7	3,616.02	7	3,226.99	7	2,837.96	7	2,448.93	7	2,059.90		
1/4	1/4	5,051.38	1/4	4,722.29	1/4	4,367.56	1/4	3,995.02	1/4	3,607.92	1/4	3,218.89	1/4	2,829.85	1/4	2,440.82	1/4	2,051.79		
1/2	1/2	5,044.69	1/2	4,715.09	1/2	4,359.97	1/2	3,987.09	1/2	3,599.81	1/2	3,210.78	1/2	2,821.75	1/2	2,432.72	1/2	2,043.69		
3/4	3/4	5,038.00	3/4	4,707.90	3/4	4,352.38	3/4	3,979.15	3/4	3,591.71	3/4	3,202.68	3/4	2,813.65	3/4	2,424.61	3/4	2,035.58		
8	8	5,031.59	8	4,700.67	8	4,344.76	8	3,971.18	8	3,583.60	8	3,194.57	8	2,805.54	8	2,416.51	8	2,027.48		
1/4	1/4	5,025.18	1/4	4,693.45	1/4	4,337.14	1/4	3,963.21	1/4	3,575.50	1/4	3,186.47	1/4	2,797.44	1/4	2,408.41	1/4	2,019.37		
1/2	1/2	5,018.76	1/2	4,686.22	1/2	4,329.51	1/2	3,955.24	1/2	3,567.39	1/2	3,178.36	1/2	2,789.33	1/2	2,400.30	1/2	2,011.27		
3/4	3/4	5,012.35	3/4	4,679.00	3/4	4,321.89	3/4	3,947.28	3/4	3,559.29	3/4	3,170.26	3/4	2,781.23	3/4	2,392.20	3/4	2,003.17		
9	9	5,005.91	9	4,671.75	9	4,314.24	9	3,939.28	9	3,551.18	9	3,162.15	9	2,773.12	9	2,384.09	9	1,995.06		
1/4	1/4	4,999.47	1/4	4,664.50	1/4	4,306.59	1/4	3,931.28	1/4	3,543.08	1/4	3,154.05	1/4	2,765.02	1/4	2,375.99	1/4	1,986.96		
1/2	1/2	4,993.03	1/2	4,657.24	1/2	4,298.94	1/2	3,923.29	1/2	3,534.97	1/2	3,145.94	1/2	2,756.91	1/2	2,367.88	1/2	1,978.85		
3/4	3/4	4,986.58	3/4	4,649.99	3/4	4,291.29	3/4	3,915.29	3/4	3,526.87	3/4	3,137.84	3/4	2,748.81	3/4	2,359.78	3/4	1,970.75		
10	10	4,980.11	10	4,642.71	10	4,283.62	10	3,907.26	10	3,518.76	10	3,129.73	10	2,740.70	10	2,351.67	10	1,962.64		
1/4	1/4	4,973.64	1/4	4,635.43	1/4	4,275.95	1/4	3,899.24	1/4	3,510.66	1/4	3,121.63	1/4	2,732.60	1/4	2,343.57	1/4	1,954.54		
1/2	1/2	4,967.17	1/2	4,628.15	1/2	4,268.28	1/2	3,891.21	1/2	3,502.55	1/2	3,113.52	1/2	2,724.49	1/2	2,335.46	1/2	1,946.43		
3/4	3/4	4,960.70	3/4	4,620.87	3/4	4,260.61	3/4	3,883.19	3/4	3,494.45	3/4	3,105.42	3/4	2,716.39	3/4	2,327.36	3/4	1,938.33		
11	11	4,954.20	11	4,613.55	11	4,252.91	11	3,875.13	11	3,486.34	11	3,097.31	11	2,708.28	11	2,319.25	11	1,930.22		
1/4	1/4	4,947.70	1/4	4,606.23	1/4	4,245.21	1/4	3,867.08	1/4	3,478.24	1/4	3,089.21	1/4	2,700.18	1/4	2,311.15	1/4	1,922.12		
1/2	1/2	4,941.20	1/2	4,598.91	1/2	4,237.51	1/2	3,859.02	1/2	3,470.13	1/2	3,081.10	1/2	2,692.07	1/2	2,303.04	1/2	1,914.01		
3/4	3/4	5,265.76	3/4	4,934.70	3/4	4,591.59	3/4	4,229.82	3/4	3,850.97	3/4	3,462.03	3/4	3,073.00	3/4	2,683.97	3/4	2,294.94	3/4	1,905.91

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'-06" FORWARD OF AFT BULKHEAD

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



BARGE "CTCo 357B"

2 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	1,897.80	0	1,508.77	0	1,119.74	0	736.46	0	357.00	0		0		0		0		0	
1/4	1,889.70	1/4	1,500.67	1/4	1,111.64	1/4	728.68	1/4	348.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,881.59	1/2	1,492.56	1/2	1,103.53	1/2	720.90	1/2	340.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,873.49	3/4	1,484.46	3/4	1,095.43	3/4	713.12	3/4	332.69	3/4		3/4		3/4		3/4		3/4	
1	1,865.38	1	1,476.35	1	1,087.32	1	705.33	1	324.58	1		1		1		1		1	
1/4	1,857.28	1/4	1,468.25	1/4	1,079.22	1/4	697.55	1/4	316.48	1/4		1/4		1/4		1/4		1/4	
1/2	1,849.17	1/2	1,460.14	1/2	1,071.11	1/2	689.77	1/2	308.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,841.07	3/4	1,452.04	3/4	1,063.01	3/4	681.99	3/4	300.27	3/4		3/4		3/4		3/4		3/4	
2	1,832.96	2	1,443.93	2	1,054.90	2	674.21	2	292.17	2		2		2		2		2	
1/4	1,824.86	1/4	1,435.83	1/4	1,046.80	1/4	666.43	1/4	284.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,816.75	1/2	1,427.72	1/2	1,038.69	1/2	658.65	1/2	275.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,808.65	3/4	1,419.62	3/4	1,030.59	3/4	650.87	3/4	267.85	3/4		3/4		3/4		3/4		3/4	
3	1,800.55	3	1,411.51	3	1,022.48	3	643.08	3	259.75	3		3		3		3		3	
1/4	1,792.44	1/4	1,403.41	1/4	1,014.38	1/4	635.30	1/4	251.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,784.34	1/2	1,395.31	1/2	1,006.27	1/2	627.52	1/2	243.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,776.23	3/4	1,387.20	3/4	998.17	3/4	619.74	3/4	235.43	3/4		3/4		3/4		3/4		3/4	
4	1,768.13	4	1,379.10	4	990.07	4	611.96	4	227.33	4		4		4		4		4	
1/4	1,760.02	1/4	1,370.99	1/4	981.96	1/4	604.17	1/4	219.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,751.92	1/2	1,362.89	1/2	973.86	1/2	596.39	1/2	211.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,743.81	3/4	1,354.78	3/4	965.75	3/4	588.61	3/4	203.02	3/4		3/4		3/4		3/4		3/4	
5	1,735.71	5	1,346.68	5	957.65	5	580.82	5	194.91	5		5		5		5		5	
1/4	1,727.60	1/4	1,338.57	1/4	949.54	1/4	573.04	1/4	186.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,719.50	1/2	1,330.47	1/2	941.44	1/2	565.25	1/2	178.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,711.39	3/4	1,322.36	3/4	933.33	3/4	557.46	3/4	170.60	3/4		3/4		3/4		3/4		3/4	
6	1,703.29	6	1,314.26	6	925.23	6	549.67	6	162.49	6		6		6		6		6	
1/4	1,695.18	1/4	1,306.15	1/4	917.12	1/4	541.87	1/4	154.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,687.08	1/2	1,298.05	1/2	909.02	1/2	534.08	1/2	146.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,678.97	3/4	1,289.94	3/4	900.91	3/4	526.28	3/4	138.18	3/4		3/4		3/4		3/4		3/4	
7	1,670.87	7	1,281.84	7	892.92	7	518.37	7	130.08	7		7		7		7		7	
1/4	1,662.76	1/4	1,273.73	1/4	884.93	1/4	510.45	1/4	121.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,654.66	1/2	1,265.63	1/2	876.94	1/2	502.54	1/2	113.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,646.55	3/4	1,257.52	3/4	868.95	3/4	494.63	3/4	105.76	3/4		3/4		3/4		3/4		3/4	
8	1,638.45	8	1,249.42	8	861.12	8	486.56	8	97.66	8		8		8		8		8	
1/4	1,630.34	1/4	1,241.31	1/4	853.29	1/4	478.50	1/4	89.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,622.24	1/2	1,233.21	1/2	845.47	1/2	470.43	1/2	81.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,614.13	3/4	1,225.10	3/4	837.64	3/4	462.36	3/4	73.34	3/4		3/4		3/4		3/4		3/4	
9	1,606.03	9	1,217.00	9	829.85	9	454.26	9	66.00	9		9		9		9		9	
1/4	1,597.93	1/4	1,208.89	1/4	822.07	1/4	446.15	1/4	58.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,589.82	1/2	1,200.79	1/2	814.28	1/2	438.05	1/2	51.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,581.72	3/4	1,192.69	3/4	806.50	3/4	429.94	3/4	43.96	3/4		3/4		3/4		3/4		3/4	
10	1,573.61	10	1,184.58	10	798.72	10	421.84	10	38.39	10		10		10		10		10	
1/4	1,565.51	1/4	1,176.48	1/4	790.94	1/4	413.73	1/4	32.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,557.40	1/2	1,168.37	1/2	783.15	1/2	405.63	1/2	27.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,549.30	3/4	1,160.27	3/4	775.37	3/4	397.52	3/4	21.67	3/4		3/4		3/4		3/4		3/4	
11	1,541.19	11	1,152.16	11	767.59	11	389.42	11		11		11		11		11		11	
1/4	1,533.09	1/4	1,144.06	1/4	759.81	1/4	381.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,524.98	1/2	1,135.95	1/2	752.03	1/2	373.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,516.88	3/4	1,127.85	3/4	744.24	3/4	365.11	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2015 CL
CALCULATED: 05/15/2015 CL
PRINTED: 05/15/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

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



BARGE "CTCo 357B"

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	5,253.13	0	4,920.52	0	4,579.03	0	4,219.30	0	3,842.69	0	3,456.08	0	3,069.36	0	2,682.65	0	2,295.93	
1/4	1/4	5,247.99	1/4	4,913.65	1/4	4,571.72	1/4	4,211.62	1/4	3,834.65	1/4	3,448.02	1/4	3,061.31	1/4	2,674.59	1/4	2,287.87	
1/2	1/2	5,242.86	1/2	4,906.79	1/2	4,564.40	1/2	4,203.94	1/2	3,826.62	1/2	3,439.97	1/2	3,053.25	1/2	2,666.53	1/2	2,279.82	
3/4	3/4	5,237.72	3/4	4,899.92	3/4	4,557.09	3/4	4,196.26	3/4	3,818.58	3/4	3,431.91	3/4	3,045.19	3/4	2,658.48	3/4	2,271.76	
1	1	5,232.59	1	4,893.05	1	4,549.78	1	4,188.58	1	3,810.55	1	3,423.85	1	3,037.14	1	2,650.42	1	2,263.70	
1/4	1/4	5,225.44	1/4	4,886.05	1/4	4,542.43	1/4	4,180.87	1/4	3,802.50	1/4	3,415.80	1/4	3,029.08	1/4	2,642.36	1/4	2,255.65	
1/2	1/2	5,218.29	1/2	4,879.05	1/2	4,535.09	1/2	4,173.16	1/2	3,794.45	1/2	3,407.74	1/2	3,021.02	1/2	2,634.31	1/2	2,247.59	
3/4	3/4	5,211.14	3/4	4,872.06	3/4	4,527.75	3/4	4,165.45	3/4	3,786.40	3/4	3,399.68	3/4	3,012.97	3/4	2,626.25	3/4	2,239.53	
2	2	5,203.99	2	4,865.06	2	4,520.41	2	4,157.74	2	3,778.34	2	3,391.63	2	3,004.91	2	2,618.19	2	2,231.48	
1/4	1/4	5,196.34	1/4	4,858.03	1/4	4,513.04	1/4	4,150.00	1/4	3,770.29	1/4	3,383.57	1/4	2,996.85	1/4	2,610.14	1/4	2,223.42	
1/2	1/2	5,188.69	1/2	4,851.00	1/2	4,505.67	1/2	4,142.26	1/2	3,762.23	1/2	3,375.51	1/2	2,988.80	1/2	2,602.08	1/2	2,215.36	
3/4	3/4	5,181.03	3/4	4,843.98	3/4	4,498.30	3/4	4,134.52	3/4	3,754.18	3/4	3,367.46	3/4	2,980.74	3/4	2,594.02	3/4	2,207.31	
3	3	5,173.38	3	4,836.95	3	4,490.93	3	4,126.78	3	3,746.12	3	3,359.40	3	2,972.68	3	2,585.97	3	2,199.25	
1/4	1/4	5,165.73	1/4	4,829.90	1/4	4,483.50	1/4	4,119.01	1/4	3,738.06	1/4	3,351.35	1/4	2,964.63	1/4	2,577.91	1/4	2,191.19	
1/2	1/2	5,158.08	1/2	4,822.84	1/2	4,476.08	1/2	4,111.23	1/2	3,730.01	1/2	3,343.29	1/2	2,956.57	1/2	2,569.85	1/2	2,183.14	
3/4	3/4	5,150.43	3/4	4,815.79	3/4	4,468.65	3/4	4,103.46	3/4	3,721.95	3/4	3,335.23	3/4	2,948.52	3/4	2,561.80	3/4	2,175.08	
4	4	5,142.77	4	4,808.73	4	4,461.23	4	4,095.68	4	3,713.89	4	3,327.18	4	2,940.46	4	2,553.74	4	2,167.02	
1/4	1/4	5,135.15	1/4	4,801.65	1/4	4,453.77	1/4	4,087.88	1/4	3,705.84	1/4	3,319.12	1/4	2,932.40	1/4	2,545.69	1/4	2,158.97	
1/2	1/2	5,127.52	1/2	4,794.56	1/2	4,446.30	1/2	4,080.07	1/2	3,697.78	1/2	3,311.06	1/2	2,924.35	1/2	2,537.63	1/2	2,150.91	
3/4	3/4	5,119.89	3/4	4,787.48	3/4	4,438.84	3/4	4,072.26	3/4	3,689.72	3/4	3,303.01	3/4	2,916.29	3/4	2,529.57	3/4	2,142.86	
5	5	5,112.27	5	4,780.40	5	4,431.38	5	4,064.46	5	3,681.67	5	3,294.95	5	2,908.23	5	2,521.52	5	2,134.80	
1/4	1/4	5,104.65	1/4	4,773.28	1/4	4,423.89	1/4	4,056.62	1/4	3,673.61	1/4	3,286.89	1/4	2,900.18	1/4	2,513.46	1/4	2,126.74	
1/2	1/2	5,097.03	1/2	4,766.17	1/2	4,416.40	1/2	4,048.79	1/2	3,665.55	1/2	3,278.84	1/2	2,892.12	1/2	2,505.40	1/2	2,118.69	
3/4	3/4	5,089.41	3/4	4,759.06	3/4	4,408.91	3/4	4,040.95	3/4	3,657.50	3/4	3,270.78	3/4	2,884.06	3/4	2,497.35	3/4	2,110.63	
6	6	5,081.79	6	4,751.95	6	4,401.42	6	4,033.12	6	3,649.44	6	3,262.72	6	2,876.01	6	2,489.29	6	2,102.57	
1/4	1/4	5,074.18	1/4	4,744.81	1/4	4,393.90	1/4	4,025.26	1/4	3,641.38	1/4	3,254.67	1/4	2,867.95	1/4	2,481.23	1/4	2,094.52	
1/2	1/2	5,066.56	1/2	4,737.68	1/2	4,386.38	1/2	4,017.39	1/2	3,633.33	1/2	3,246.61	1/2	2,859.89	1/2	2,473.18	1/2	2,086.46	
3/4	3/4	5,058.94	3/4	4,730.54	3/4	4,378.86	3/4	4,009.53	3/4	3,625.27	3/4	3,238.55	3/4	2,851.84	3/4	2,465.12	3/4	2,078.40	
7	7	5,051.32	7	4,723.41	7	4,371.34	7	4,001.67	7	3,617.21	7	3,230.50	7	2,843.78	7	2,457.06	7	2,070.35	
1/4	1/4	5,044.59	1/4	4,716.25	1/4	4,363.79	1/4	3,993.78	1/4	3,609.16	1/4	3,222.44	1/4	2,835.72	1/4	2,449.01	1/4	2,062.29	
1/2	1/2	5,037.87	1/2	4,709.09	1/2	4,356.25	1/2	3,985.88	1/2	3,601.10	1/2	3,214.38	1/2	2,827.67	1/2	2,440.95	1/2	2,054.23	
3/4	3/4	5,031.14	3/4	4,701.93	3/4	4,348.70	3/4	3,977.99	3/4	3,593.04	3/4	3,206.33	3/4	2,819.61	3/4	2,432.89	3/4	2,046.18	
8	8	5,024.42	8	4,694.77	8	4,341.15	8	3,970.10	8	3,584.99	8	3,198.27	8	2,811.55	8	2,424.84	8	2,038.12	
1/4	1/4	5,017.96	1/4	4,687.58	1/4	4,333.57	1/4	3,962.18	1/4	3,576.93	1/4	3,190.21	1/4	2,803.50	1/4	2,416.78	1/4	2,030.06	
1/2	1/2	5,011.51	1/2	4,680.39	1/2	4,326.00	1/2	3,954.26	1/2	3,568.87	1/2	3,182.16	1/2	2,795.44	1/2	2,408.72	1/2	2,022.01	
3/4	3/4	5,005.06	3/4	4,673.20	3/4	4,318.42	3/4	3,946.34	3/4	3,560.82	3/4	3,174.10	3/4	2,787.38	3/4	2,400.67	3/4	2,013.95	
9	9	4,998.61	9	4,666.01	9	4,310.84	9	3,938.42	9	3,552.76	9	3,166.04	9	2,779.33	9	2,392.61	9	2,005.89	
1/4	1/4	4,992.13	1/4	4,658.79	1/4	4,303.24	1/4	3,930.47	1/4	3,544.70	1/4	3,157.99	1/4	2,771.27	1/4	2,384.55	1/4	1,997.84	
1/2	1/2	4,985.66	1/2	4,651.58	1/2	4,295.63	1/2	3,922.52	1/2	3,536.65	1/2	3,149.93	1/2	2,763.21	1/2	2,376.50	1/2	1,989.78	
3/4	3/4	4,979.18	3/4	4,644.36	3/4	4,288.03	3/4	3,914.57	3/4	3,528.59	3/4	3,141.87	3/4	2,755.16	3/4	2,368.44	3/4	1,981.72	
10	10	4,972.70	10	4,637.14	10	4,280.42	10	3,906.62	10	3,520.53	10	3,133.82	10	2,747.10	10	2,360.38	10	1,973.67	
1/4	1/4	4,966.19	1/4	4,629.90	1/4	4,272.80	1/4	3,898.64	1/4	3,512.48	1/4	3,125.76	1/4	2,739.04	1/4	2,352.33	1/4	1,965.61	
1/2	1/2	4,959.68	1/2	4,622.65	1/2	4,265.17	1/2	3,890.67	1/2	3,504.42	1/2	3,117.70	1/2	2,730.99	1/2	2,344.27	1/2	1,957.55	
3/4	3/4	4,953.17	3/4	4,615.40	3/4	4,257.54	3/4	3,882.69	3/4	3,496.36	3/4	3,109.65	3/4	2,722.93	3/4	2,336.21	3/4	1,949.50	
11	11	4,946.67	11	4,608.16	11	4,249.92	11	3,874.71	11	3,488.31	11	3,101.59	11	2,714.87	11	2,328.16	11	1,941.44	
1/4	1/4	4,940.13	1/4	4,600.87	1/4	4,242.26	1/4	3,866.71	1/4	3,480.25	1/4	3,093.53	1/4	2,706.82	1/4	2,320.10	1/4	1,933.38	
1/2	1/2	4,933.59	1/2	4,593.59	1/2	4,234.61	1/2	3,858.70	1/2	3,472.19	1/2	3,085.48	1/2	2,698.76	1/2	2,312.04	1/2	1,925.33	
3/4	3/4	4,927.06	3/4	4,586.31	3/4	4,226.96	3/4	3,850.69	3/4	3,464.14	3/4	3,077.42	3/4	2,690.70	3/4	2,303.99	3/4	1,917.27	

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 357B"

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	1,909.21	0	1,522.50	0	1,135.78	0	749.27	0	362.94	0		0		0		0		0	
1/4	1,901.16	1/4	1,514.44	1/4	1,127.72	1/4	741.23	1/4	354.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,893.10	1/2	1,506.38	1/2	1,119.67	1/2	733.19	1/2	346.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,885.04	3/4	1,498.33	3/4	1,111.61	3/4	725.15	3/4	338.77	3/4		3/4		3/4		3/4		3/4	
1	1,876.99	1	1,490.27	1	1,103.55	1	717.11	1	330.71	1		1		1		1		1	
1/4	1,868.93	1/4	1,482.21	1/4	1,095.50	1/4	709.07	1/4	322.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,860.87	1/2	1,474.16	1/2	1,087.44	1/2	701.03	1/2	314.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,852.82	3/4	1,466.10	3/4	1,079.38	3/4	692.99	3/4	306.54	3/4		3/4		3/4		3/4		3/4	
2	1,844.76	2	1,458.04	2	1,071.33	2	684.95	2	298.49	2		2		2		2		2	
1/4	1,836.70	1/4	1,449.99	1/4	1,063.27	1/4	676.91	1/4	290.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,828.65	1/2	1,441.93	1/2	1,055.21	1/2	668.87	1/2	282.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,820.59	3/4	1,433.87	3/4	1,047.16	3/4	660.83	3/4	274.32	3/4		3/4		3/4		3/4		3/4	
3	1,812.53	3	1,425.82	3	1,039.10	3	652.79	3	266.26	3		3		3		3		3	
1/4	1,804.48	1/4	1,417.76	1/4	1,031.04	1/4	644.75	1/4	258.21	1/4		1/4		1/4		1/4		1/4	
1/2	1,796.42	1/2	1,409.70	1/2	1,022.99	1/2	636.71	1/2	250.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,788.36	3/4	1,401.65	3/4	1,014.93	3/4	628.67	3/4	242.09	3/4		3/4		3/4		3/4		3/4	
4	1,780.31	4	1,393.59	4	1,006.87	4	620.63	4	234.04	4		4		4		4		4	
1/4	1,772.25	1/4	1,385.53	1/4	998.82	1/4	612.59	1/4	225.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,764.19	1/2	1,377.48	1/2	990.76	1/2	604.55	1/2	217.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,756.14	3/4	1,369.42	3/4	982.70	3/4	596.51	3/4	209.87	3/4		3/4		3/4		3/4		3/4	
5	1,748.08	5	1,361.36	5	974.65	5	588.46	5	201.81	5		5		5		5		5	
1/4	1,740.03	1/4	1,353.31	1/4	966.59	1/4	580.42	1/4	193.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,731.97	1/2	1,345.25	1/2	958.53	1/2	572.37	1/2	185.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,723.91	3/4	1,337.20	3/4	950.48	3/4	564.33	3/4	177.64	3/4		3/4		3/4		3/4		3/4	
6	1,715.86	6	1,329.14	6	942.42	6	556.28	6	169.59	6		6		6		6		6	
1/4	1,707.80	1/4	1,321.08	1/4	934.37	1/4	548.23	1/4	161.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,699.74	1/2	1,313.03	1/2	926.31	1/2	540.17	1/2	153.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,691.69	3/4	1,304.97	3/4	918.25	3/4	532.12	3/4	145.42	3/4		3/4		3/4		3/4		3/4	
7	1,683.63	7	1,296.91	7	910.20	7	524.06	7	137.36	7		7		7		7		7	
1/4	1,675.57	1/4	1,288.86	1/4	902.14	1/4	516.01	1/4	129.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,667.52	1/2	1,280.80	1/2	894.08	1/2	507.95	1/2	121.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,659.46	3/4	1,272.74	3/4	886.03	3/4	499.90	3/4	113.19	3/4		3/4		3/4		3/4		3/4	
8	1,651.40	8	1,264.69	8	877.97	8	491.84	8	105.14	8		8		8		8		8	
1/4	1,643.35	1/4	1,256.63	1/4	869.92	1/4	483.78	1/4	97.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,635.29	1/2	1,248.57	1/2	861.87	1/2	475.73	1/2	89.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,627.23	3/4	1,240.52	3/4	853.82	3/4	467.67	3/4	80.97	3/4		3/4		3/4		3/4		3/4	
9	1,619.18	9	1,232.46	9	845.77	9	459.61	9	72.91	9		9		9		9		9	
1/4	1,611.12	1/4	1,224.40	1/4	837.73	1/4	451.56	1/4	65.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,603.06	1/2	1,216.35	1/2	829.68	1/2	443.50	1/2	58.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,595.01	3/4	1,208.29	3/4	821.64	3/4	435.44	3/4	51.01	3/4		3/4		3/4		3/4		3/4	
10	1,586.95	10	1,200.23	10	813.60	10	427.39	10	43.70	10		10		10		10		10	
1/4	1,578.89	1/4	1,192.18	1/4	805.56	1/4	419.33	1/4	38.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,570.84	1/2	1,184.12	1/2	797.52	1/2	411.28	1/2	32.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,562.78	3/4	1,176.06	3/4	789.48	3/4	403.22	3/4	27.09	3/4		3/4		3/4		3/4		3/4	
11	1,554.72	11	1,168.01	11	781.44	11	395.16	11	21.55	11		11		11		11		11	
1/4	1,546.67	1/4	1,159.95	1/4	773.40	1/4	387.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,538.61	1/2	1,151.89	1/2	765.35	1/2	379.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,530.55	3/4	1,143.84	3/4	757.31	3/4	370.99	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2015 CL
CALCULATED: 05/15/2015 CL
PRINTED: 05/15/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

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



BARGE "CTCo 357B"

1 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	5,270.20	0	4,936.41	0	4,593.70	0	4,232.71	0	3,854.79	0	3,466.83	0	3,078.78	0	2,690.73	0	2,302.69	
1/4	1/4	5,265.04	1/4	4,929.52	1/4	4,586.36	1/4	4,225.00	1/4	3,846.72	1/4	3,458.74	1/4	3,070.70	1/4	2,682.65	1/4	2,294.60	
1/2	1/2	5,259.89	1/2	4,922.63	1/2	4,579.02	1/2	4,217.30	1/2	3,838.66	1/2	3,450.66	1/2	3,062.61	1/2	2,674.57	1/2	2,286.52	
3/4	3/4	5,254.74	3/4	4,915.73	3/4	4,571.68	3/4	4,209.59	3/4	3,830.60	3/4	3,442.57	3/4	3,054.53	3/4	2,666.48	3/4	2,278.44	
1	1	5,249.59	1	4,908.84	1	4,564.35	1	4,201.88	1	3,822.54	1	3,434.49	1	3,046.44	1	2,658.40	1	2,270.35	
1/4	1/4	5,242.41	1/4	4,901.82	1/4	4,556.98	1/4	4,194.14	1/4	3,814.45	1/4	3,426.41	1/4	3,038.36	1/4	2,650.31	1/4	2,262.27	
1/2	1/2	5,235.24	1/2	4,894.79	1/2	4,549.61	1/2	4,186.40	1/2	3,806.37	1/2	3,418.32	1/2	3,030.28	1/2	2,642.23	1/2	2,254.18	
3/4	3/4	5,228.07	3/4	4,887.77	3/4	4,542.24	3/4	4,178.67	3/4	3,798.28	3/4	3,410.24	3/4	3,022.19	3/4	2,634.14	3/4	2,246.10	
2	2	5,220.89	2	4,880.75	2	4,534.87	2	4,170.93	2	3,790.20	2	3,402.15	2	3,014.11	2	2,626.06	2	2,238.01	
1/4	1/4	5,213.22	1/4	4,873.70	1/4	4,527.48	1/4	4,163.16	1/4	3,782.12	1/4	3,394.07	1/4	3,006.02	1/4	2,617.98	1/4	2,229.93	
1/2	1/2	5,205.54	1/2	4,866.65	1/2	4,520.08	1/2	4,155.40	1/2	3,774.03	1/2	3,385.98	1/2	2,997.94	1/2	2,609.89	1/2	2,221.85	
3/4	3/4	5,197.86	3/4	4,859.59	3/4	4,512.69	3/4	4,147.63	3/4	3,765.95	3/4	3,377.90	3/4	2,989.85	3/4	2,601.81	3/4	2,213.76	
3	3	5,190.18	3	4,852.54	3	4,505.29	3	4,139.87	3	3,757.86	3	3,369.82	3	2,981.77	3	2,593.72	3	2,205.68	
1/4	1/4	5,182.50	1/4	4,845.46	1/4	4,497.84	1/4	4,132.06	1/4	3,749.78	1/4	3,361.73	1/4	2,973.69	1/4	2,585.64	1/4	2,197.59	
1/2	1/2	5,174.82	1/2	4,838.38	1/2	4,490.39	1/2	4,124.26	1/2	3,741.69	1/2	3,353.65	1/2	2,965.60	1/2	2,577.55	1/2	2,189.51	
3/4	3/4	5,167.14	3/4	4,831.30	3/4	4,482.94	3/4	4,116.46	3/4	3,733.61	3/4	3,345.56	3/4	2,957.52	3/4	2,569.47	3/4	2,181.42	
4	4	5,159.46	4	4,824.22	4	4,475.49	4	4,108.66	4	3,725.53	4	3,337.48	4	2,949.43	4	2,561.39	4	2,173.34	
1/4	1/4	5,151.81	1/4	4,817.11	1/4	4,468.00	1/4	4,100.83	1/4	3,717.44	1/4	3,329.39	1/4	2,941.35	1/4	2,553.30	1/4	2,165.26	
1/2	1/2	5,144.15	1/2	4,810.00	1/2	4,460.51	1/2	4,092.99	1/2	3,709.36	1/2	3,321.31	1/2	2,933.26	1/2	2,545.22	1/2	2,157.17	
3/4	3/4	5,136.50	3/4	4,802.89	3/4	4,453.02	3/4	4,085.16	3/4	3,701.27	3/4	3,313.23	3/4	2,925.18	3/4	2,537.13	3/4	2,149.09	
5	5	5,128.85	5	4,795.78	5	4,445.53	5	4,077.33	5	3,693.19	5	3,305.14	5	2,917.10	5	2,529.05	5	2,141.00	
1/4	1/4	5,121.20	1/4	4,788.65	1/4	4,438.02	1/4	4,069.47	1/4	3,685.10	1/4	3,297.06	1/4	2,909.01	1/4	2,520.96	1/4	2,132.92	
1/2	1/2	5,113.56	1/2	4,781.51	1/2	4,430.50	1/2	4,061.60	1/2	3,677.02	1/2	3,288.97	1/2	2,900.93	1/2	2,512.88	1/2	2,124.83	
3/4	3/4	5,105.91	3/4	4,774.37	3/4	4,422.98	3/4	4,053.74	3/4	3,668.94	3/4	3,280.89	3/4	2,892.84	3/4	2,504.80	3/4	2,116.75	
6	6	5,098.27	6	4,767.23	6	4,415.47	6	4,045.88	6	3,660.85	6	3,272.80	6	2,884.76	6	2,496.71	6	2,108.67	
1/4	1/4	5,090.62	1/4	4,760.07	1/4	4,407.92	1/4	4,037.99	1/4	3,652.77	1/4	3,264.72	1/4	2,876.67	1/4	2,488.63	1/4	2,100.58	
1/2	1/2	5,082.98	1/2	4,752.91	1/2	4,400.37	1/2	4,030.10	1/2	3,644.68	1/2	3,256.64	1/2	2,868.59	1/2	2,480.54	1/2	2,092.50	
3/4	3/4	5,075.33	3/4	4,745.75	3/4	4,392.83	3/4	4,022.21	3/4	3,636.60	3/4	3,248.55	3/4	2,860.51	3/4	2,472.46	3/4	2,084.41	
7	7	5,067.69	7	4,738.59	7	4,385.28	7	4,014.32	7	3,628.51	7	3,240.47	7	2,852.42	7	2,464.37	7	2,076.33	
1/4	1/4	5,060.94	1/4	4,731.41	1/4	4,377.71	1/4	4,006.40	1/4	3,620.43	1/4	3,232.38	1/4	2,844.34	1/4	2,456.29	1/4	2,068.24	
1/2	1/2	5,054.19	1/2	4,724.22	1/2	4,370.13	1/2	3,998.48	1/2	3,612.34	1/2	3,224.30	1/2	2,836.25	1/2	2,448.21	1/2	2,060.16	
3/4	3/4	5,047.44	3/4	4,717.04	3/4	4,362.56	3/4	3,990.56	3/4	3,604.26	3/4	3,216.21	3/4	2,828.17	3/4	2,440.12	3/4	2,052.08	
8	8	5,040.69	8	4,709.85	8	4,354.99	8	3,982.64	8	3,596.18	8	3,208.13	8	2,820.08	8	2,432.04	8	2,043.99	
1/4	1/4	5,034.21	1/4	4,702.64	1/4	4,347.38	1/4	3,974.70	1/4	3,588.09	1/4	3,200.05	1/4	2,812.00	1/4	2,423.95	1/4	2,035.91	
1/2	1/2	5,027.74	1/2	4,695.42	1/2	4,339.78	1/2	3,966.75	1/2	3,580.01	1/2	3,191.96	1/2	2,803.91	1/2	2,415.87	1/2	2,027.82	
3/4	3/4	5,021.26	3/4	4,688.21	3/4	4,332.18	3/4	3,958.80	3/4	3,571.92	3/4	3,183.88	3/4	2,795.83	3/4	2,407.78	3/4	2,019.74	
9	9	5,014.79	9	4,680.99	9	4,324.57	9	3,950.85	9	3,563.84	9	3,175.79	9	2,787.75	9	2,399.70	9	2,011.65	
1/4	1/4	5,008.29	1/4	4,673.75	1/4	4,316.94	1/4	3,942.87	1/4	3,555.75	1/4	3,167.71	1/4	2,779.66	1/4	2,391.62	1/4	2,003.57	
1/2	1/2	5,001.78	1/2	4,666.51	1/2	4,309.31	1/2	3,934.90	1/2	3,547.67	1/2	3,159.62	1/2	2,771.58	1/2	2,383.53	1/2	1,995.48	
3/4	3/4	4,995.28	3/4	4,659.26	3/4	4,301.68	3/4	3,926.92	3/4	3,539.59	3/4	3,151.54	3/4	2,763.49	3/4	2,375.45	3/4	1,987.40	
10	10	4,988.78	10	4,652.02	10	4,294.05	10	3,918.95	10	3,531.50	10	3,143.46	10	2,755.41	10	2,367.36	10	1,979.32	
1/4	1/4	4,982.25	1/4	4,644.75	1/4	4,286.39	1/4	3,910.94	1/4	3,523.42	1/4	3,135.37	1/4	2,747.32	1/4	2,359.28	1/4	1,971.23	
1/2	1/2	4,975.72	1/2	4,637.48	1/2	4,278.74	1/2	3,902.93	1/2	3,515.33	1/2	3,127.29	1/2	2,739.24	1/2	2,351.19	1/2	1,963.15	
3/4	3/4	4,969.18	3/4	4,630.20	3/4	4,271.09	3/4	3,894.93	3/4	3,507.25	3/4	3,119.20	3/4	2,731.16	3/4	2,343.11	3/4	1,955.06	
11	11	4,962.65	11	4,622.93	11	4,263.43	11	3,886.92	11	3,499.16	11	3,111.12	11	2,723.07	11	2,335.03	11	1,946.98	
1/4	1/4	4,956.09	1/4	4,615.62	1/4	4,255.75	1/4	3,878.89	1/4	3,491.08	1/4	3,103.03	1/4	2,714.99	1/4	2,326.94	1/4	1,938.89	
1/2	1/2	4,949.53	1/2	4,608.32	1/2	4,248.07	1/2	3,870.86	1/2	3,483.00	1/2	3,094.95	1/2	2,706.90	1/2	2,318.86	1/2	1,930.81	
3/4	3/4	4,942.97	3/4	4,601.01	3/4	4,240.39	3/4	3,862.82	3/4	3,474.91	3/4	3,086.87	3/4	2,698.82	3/4	2,310.77	3/4	1,922.73	

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 357B"

1 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	1,914.64	0	1,526.60	0	1,138.55	0	751.07	0	364.19	0		0		0		0		0	
1/4	1,906.56	1/4	1,518.51	1/4	1,130.46	1/4	743.02	1/4	356.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,898.47	1/2	1,510.43	1/2	1,122.38	1/2	734.98	1/2	348.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,890.39	3/4	1,502.34	3/4	1,114.30	3/4	726.93	3/4	339.94	3/4		3/4		3/4		3/4		3/4	
1	1,882.30	1	1,494.26	1	1,106.21	1	718.89	1	331.85	1		1		1		1		1	
1/4	1,874.22	1/4	1,486.17	1/4	1,098.13	1/4	710.85	1/4	323.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,866.14	1/2	1,478.09	1/2	1,090.04	1/2	702.80	1/2	315.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,858.05	3/4	1,470.01	3/4	1,081.96	3/4	694.76	3/4	307.60	3/4		3/4		3/4		3/4		3/4	
2	1,849.97	2	1,461.92	2	1,073.87	2	686.71	2	299.52	2		2		2		2		2	
1/4	1,841.88	1/4	1,453.84	1/4	1,065.79	1/4	678.67	1/4	291.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,833.80	1/2	1,445.75	1/2	1,057.71	1/2	670.63	1/2	283.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,825.71	3/4	1,437.67	3/4	1,049.62	3/4	662.58	3/4	275.26	3/4		3/4		3/4		3/4		3/4	
3	1,817.63	3	1,429.58	3	1,041.54	3	654.54	3	267.18	3		3		3		3		3	
1/4	1,809.55	1/4	1,421.50	1/4	1,033.45	1/4	646.49	1/4	259.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,801.46	1/2	1,413.42	1/2	1,025.37	1/2	638.45	1/2	251.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,793.38	3/4	1,405.33	3/4	1,017.28	3/4	630.41	3/4	242.93	3/4		3/4		3/4		3/4		3/4	
4	1,785.29	4	1,397.25	4	1,009.20	4	622.36	4	234.84	4		4		4		4		4	
1/4	1,777.21	1/4	1,389.16	1/4	1,001.12	1/4	614.32	1/4	226.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,769.12	1/2	1,381.08	1/2	993.03	1/2	606.27	1/2	218.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,761.04	3/4	1,372.99	3/4	984.95	3/4	598.23	3/4	210.59	3/4		3/4		3/4		3/4		3/4	
5	1,752.96	5	1,364.91	5	976.86	5	590.18	5	202.51	5		5		5		5		5	
1/4	1,744.87	1/4	1,356.83	1/4	968.78	1/4	582.13	1/4	194.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,736.79	1/2	1,348.74	1/2	960.69	1/2	574.08	1/2	186.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,728.70	3/4	1,340.66	3/4	952.61	3/4	566.03	3/4	178.26	3/4		3/4		3/4		3/4		3/4	
6	1,720.62	6	1,332.57	6	944.53	6	557.98	6	170.17	6		6		6		6		6	
1/4	1,712.53	1/4	1,324.49	1/4	936.44	1/4	549.93	1/4	162.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,704.45	1/2	1,316.40	1/2	928.36	1/2	541.87	1/2	154.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,696.37	3/4	1,308.32	3/4	920.27	3/4	533.81	3/4	145.92	3/4		3/4		3/4		3/4		3/4	
7	1,688.28	7	1,300.24	7	912.19	7	525.75	7	137.83	7		7		7		7		7	
1/4	1,680.20	1/4	1,292.15	1/4	904.10	1/4	517.69	1/4	129.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,672.11	1/2	1,284.07	1/2	896.02	1/2	509.63	1/2	121.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,664.03	3/4	1,275.98	3/4	887.94	3/4	501.57	3/4	113.58	3/4		3/4		3/4		3/4		3/4	
8	1,655.94	8	1,267.90	8	879.85	8	493.51	8	105.50	8		8		8		8		8	
1/4	1,647.86	1/4	1,259.81	1/4	871.79	1/4	485.43	1/4	97.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,639.78	1/2	1,251.73	1/2	863.73	1/2	477.35	1/2	89.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,631.69	3/4	1,243.65	3/4	855.67	3/4	469.28	3/4	81.25	3/4		3/4		3/4		3/4		3/4	
9	1,623.61	9	1,235.56	9	847.61	9	461.20	9	73.16	9		9		9		9		9	
1/4	1,615.52	1/4	1,227.48	1/4	839.57	1/4	453.11	1/4	65.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,607.44	1/2	1,219.39	1/2	831.52	1/2	445.03	1/2	58.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,599.35	3/4	1,211.31	3/4	823.47	3/4	436.95	3/4	51.18	3/4		3/4		3/4		3/4		3/4	
10	1,591.27	10	1,203.22	10	815.43	10	428.86	10	43.85	10		10		10		10		10	
1/4	1,583.19	1/4	1,195.14	1/4	807.38	1/4	420.78	1/4	38.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,575.10	1/2	1,187.05	1/2	799.34	1/2	412.69	1/2	32.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,567.02	3/4	1,178.97	3/4	791.29	3/4	404.61	3/4	27.18	3/4		3/4		3/4		3/4		3/4	
11	1,558.93	11	1,170.89	11	783.25	11	396.53	11	21.62	11		11		11		11		11	
1/4	1,550.85	1/4	1,162.80	1/4	775.20	1/4	388.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,542.76	1/2	1,154.72	1/2	767.16	1/2	380.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,534.68	3/4	1,146.63	3/4	759.11	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: 05/15/2015 CL
CALCULATED: 05/15/2015 CL
PRINTED: 05/15/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

PRECISION MEASUREMENT
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