



# BARGE "CTCo 333"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-09"

August 6, 2014

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 333"

1 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/2"

Table with 18 columns (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.) and 48 rows of capacity data.

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 44'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "CTCo 333"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	1,877.85	0	1,510.88	0	1,143.93	0	779.09	0	415.76	0	92.62	0		0		0		0	
1/4	1,870.21	1/4	1,503.23	1/4	1,136.31	1/4	771.46	1/4	408.50	1/4	86.43	1/4		1/4		1/4		1/4	
1/2	1,862.57	1/2	1,495.59	1/2	1,128.68	1/2	763.82	1/2	401.25	1/2	80.24	1/2		1/2		1/2		1/2	
3/4	1,854.93	3/4	1,487.94	3/4	1,121.07	3/4	756.18	3/4	394.08	3/4	74.15	3/4		3/4		3/4		3/4	
1	1,847.28	1	1,480.29	1	1,113.45	1	748.53	1	386.91	1	68.07	1		1		1		1	
1/4	1,839.64	1/4	1,472.65	1/4	1,105.84	1/4	740.89	1/4	379.75	1/4	61.98	1/4		1/4		1/4		1/4	
1/2	1,831.99	1/2	1,465.00	1/2	1,098.22	1/2	733.24	1/2	372.58	1/2	55.90	1/2		1/2		1/2		1/2	
3/4	1,824.35	3/4	1,457.36	3/4	1,090.62	3/4	725.60	3/4	365.50	3/4	50.60	3/4		3/4		3/4		3/4	
2	1,816.70	2	1,449.71	2	1,083.01	2	717.95	2	358.41	2	45.30	2		2		2		2	
1/4	1,809.05	1/4	1,442.07	1/4	1,075.40	1/4	710.31	1/4	351.33	1/4	39.99	1/4		1/4		1/4		1/4	
1/2	1,801.41	1/2	1,434.42	1/2	1,067.80	1/2	702.66	1/2	344.25	1/2	34.69	1/2		1/2		1/2		1/2	
3/4	1,793.76	3/4	1,426.77	3/4	1,060.20	3/4	695.02	3/4	337.26	3/4	30.80	3/4		3/4		3/4		3/4	
3	1,786.12	3	1,419.13	3	1,052.60	3	687.37	3	330.26	3	26.91	3		3		3		3	
1/4	1,778.47	1/4	1,411.48	1/4	1,044.99	1/4	679.72	1/4	323.27	1/4	23.02	1/4		1/4		1/4		1/4	
1/2	1,770.83	1/2	1,403.84	1/2	1,037.39	1/2	672.08	1/2	316.27	1/2	19.14	1/2		1/2		1/2		1/2	
3/4	1,763.18	3/4	1,396.19	3/4	1,029.79	3/4	664.43	3/4	309.37	3/4		3/4		3/4		3/4		3/4	
4	1,755.54	4	1,388.55	4	1,022.20	4	656.79	4	302.46	4		4		4		4		4	
1/4	1,747.89	1/4	1,380.90	1/4	1,014.60	1/4	649.14	1/4	295.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,740.24	1/2	1,373.26	1/2	1,007.00	1/2	641.50	1/2	288.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,732.60	3/4	1,365.61	3/4	999.41	3/4	633.85	3/4	281.82	3/4		3/4		3/4		3/4		3/4	
5	1,724.95	5	1,357.96	5	991.82	5	626.21	5	275.00	5		5		5		5		5	
1/4	1,717.31	1/4	1,350.32	1/4	984.22	1/4	618.56	1/4	268.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,709.66	1/2	1,342.67	1/2	976.63	1/2	610.92	1/2	261.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,702.02	3/4	1,335.03	3/4	969.03	3/4	603.27	3/4	254.63	3/4		3/4		3/4		3/4		3/4	
6	1,694.37	6	1,327.38	6	961.44	6	595.63	6	247.89	6		6		6		6		6	
1/4	1,686.73	1/4	1,319.74	1/4	953.84	1/4	587.98	1/4	241.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,679.08	1/2	1,312.09	1/2	946.25	1/2	580.33	1/2	234.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,671.43	3/4	1,304.45	3/4	938.65	3/4	572.70	3/4	227.78	3/4		3/4		3/4		3/4		3/4	
7	1,663.79	7	1,296.80	7	931.06	7	565.06	7	221.13	7		7		7		7		7	
1/4	1,656.14	1/4	1,289.15	1/4	923.46	1/4	557.42	1/4	214.48	1/4		1/4		1/4		1/4		1/4	
1/2	1,648.50	1/2	1,281.51	1/2	915.87	1/2	549.79	1/2	207.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,640.85	3/4	1,273.86	3/4	908.27	3/4	542.19	3/4	201.27	3/4		3/4		3/4		3/4		3/4	
8	1,633.21	8	1,266.22	8	900.68	8	534.60	8	194.71	8		8		8		8		8	
1/4	1,625.56	1/4	1,258.57	1/4	893.09	1/4	527.00	1/4	188.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,617.91	1/2	1,250.93	1/2	885.49	1/2	519.41	1/2	181.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,610.27	3/4	1,243.28	3/4	877.90	3/4	511.89	3/4	175.12	3/4		3/4		3/4		3/4		3/4	
9	1,602.62	9	1,235.63	9	870.30	9	504.38	9	168.64	9		9		9		9		9	
1/4	1,594.98	1/4	1,227.99	1/4	862.71	1/4	496.86	1/4	162.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,587.33	1/2	1,220.34	1/2	855.11	1/2	489.35	1/2	155.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,579.69	3/4	1,212.70	3/4	847.52	3/4	481.92	3/4	149.31	3/4		3/4		3/4		3/4		3/4	
10	1,572.04	10	1,205.05	10	839.92	10	474.49	10	142.93	10		10		10		10		10	
1/4	1,564.40	1/4	1,197.41	1/4	832.33	1/4	467.06	1/4	136.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,556.75	1/2	1,189.76	1/2	824.73	1/2	459.64	1/2	130.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,549.10	3/4	1,182.12	3/4	817.14	3/4	452.29	3/4	123.88	3/4		3/4		3/4		3/4		3/4	
11	1,541.46	11	1,174.47	11	809.55	11	444.95	11	117.59	11		11		11		11		11	
1/4	1,533.81	1/4	1,166.82	1/4	801.95	1/4	437.61	1/4	111.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,526.17	1/2	1,159.18	1/2	794.36	1/2	430.27	1/2	105.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,518.52	3/4	1,151.56	3/4	786.72	3/4	423.01	3/4	98.82	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2014 CL  
CALCULATED: 08/08/2014 CL  
PRINTED: 08/8/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2014

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CTCo 333"

1 STBD  
ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4		5,088.94		4,753.95		4,414.31		4,053.89		3,687.64		3,321.39		2,955.12		2,588.68		2,222.24	
1/2		5,082.51		4,747.10		4,406.99		4,046.26		3,680.01		3,313.76		2,947.49		2,581.05		2,214.61	
3/4		5,076.08		4,740.25		4,399.66		4,038.63		3,672.38		3,306.13		2,939.85		2,573.41		2,206.97	
1	1	5,069.66	1	4,733.40	1	4,392.34	1	4,031.00	1	3,664.75	1	3,298.50	1	2,932.22	1	2,565.78	1	2,199.34	
1/4		5,063.23		4,726.55		4,385.01		4,023.37		3,657.12		3,290.87		2,924.59		2,558.14		2,191.70	
1/2		5,055.85		4,719.64		4,377.65		4,015.74		3,649.49		3,283.24		2,916.95		2,550.51		2,184.07	
3/4		5,048.46		4,712.73		4,370.28		4,008.10		3,641.86		3,275.61		2,909.32		2,542.88		2,176.43	
2	2	5,041.08	2	4,705.82	2	4,362.92	2	4,000.47	2	3,634.23	2	3,267.98	2	2,901.68	2	2,535.24	2	2,168.80	
1/4		5,033.70		4,698.91		4,355.55		3,992.84		3,626.59		3,260.35		2,894.05		2,527.61		2,161.17	
1/2		5,026.12		4,691.95		4,348.15		3,985.21		3,618.96		3,252.72		2,886.41		2,519.97		2,153.53	
3/4		5,018.55		4,685.00		4,340.75		3,977.58		3,611.33		3,245.08		2,878.78		2,512.34		2,145.90	
3	3	5,010.98	3	4,678.04	3	4,333.36	3	3,969.95	3	3,603.70	3	3,237.45	3	2,871.15	3	2,504.70	3	2,138.26	
1/4		5,003.41		4,671.09		4,325.96		3,962.32		3,596.07		3,229.82		2,863.51		2,497.07		2,130.63	
1/2		4,995.83		4,664.09		4,318.53		3,954.69		3,588.44		3,222.19		2,855.88		2,489.44		2,122.99	
3/4		4,988.26		4,657.10		4,311.09		3,947.06		3,580.81		3,214.56		2,848.24		2,481.80		2,115.36	
4	4	4,980.69	4	4,650.10	4	4,303.66	4	3,939.43	4	3,573.18	4	3,206.93	4	2,840.61	4	2,474.17	4	2,107.73	
1/4		4,973.12		4,643.11		4,296.23		3,931.80		3,565.55		3,199.30		2,832.98		2,466.53		2,100.09	
1/2		4,965.54		4,636.08		4,288.76		3,924.17		3,557.92		3,191.67		2,825.34		2,458.90		2,092.46	
3/4		4,957.97		4,629.05		4,281.30		3,916.54		3,550.29		3,184.04		2,817.71		2,451.27		2,084.82	
5	5	4,950.40	5	4,622.02	5	4,273.83	5	3,908.91	5	3,542.66	5	3,176.41	5	2,810.07	5	2,443.63	5	2,077.19	
1/4		4,942.82		4,614.98		4,266.37		3,901.28		3,535.03		3,168.78		2,802.44		2,436.00		2,069.56	
1/2		4,935.97		4,607.92		4,258.86		3,893.65		3,527.40		3,161.15		2,794.80		2,428.36		2,061.92	
3/4		4,929.11		4,600.85		4,251.35		3,886.02		3,519.77		3,153.52		2,787.17		2,420.73		2,054.29	
6	6	4,922.26	6	4,593.79	6	4,243.85	6	3,878.39	6	3,512.14	6	3,145.89	6	2,779.54	6	2,413.09	6	2,046.65	
1/4		4,915.40		4,586.73		4,236.34		3,870.76		3,504.51		3,138.26		2,771.90		2,405.46		2,039.02	
1/2		4,908.76		4,579.63		4,228.80		3,863.13		3,496.88		3,130.63		2,764.27		2,397.83		2,031.93	
3/4		4,902.12		4,572.53		4,221.26		3,855.50		3,489.25		3,123.00		2,756.63		2,390.19		2,024.83	
7	7	4,895.48	7	4,565.43	7	4,213.72	7	3,847.87	7	3,481.62	7	3,115.37	7	2,749.00	7	2,382.56	7	2,017.74	
1/4		4,888.84		4,558.33		4,206.17		3,840.24		3,473.99		3,107.74		2,741.36		2,374.92		2,010.65	
1/2		4,882.17		4,551.20		4,198.60		3,832.61		3,466.36		3,100.11		2,733.73		2,367.29		2,003.74	
3/4		4,875.50		4,544.07		4,191.02		3,824.98		3,458.73		3,092.48		2,726.10		2,359.65		1,996.82	
8	8	4,868.83	8	4,536.94	8	4,183.45	8	3,817.35	8	3,451.10	8	3,084.85	8	2,718.46	8	2,352.02	8	1,989.91	
1/4		4,862.15		4,529.80		4,175.87		3,809.72		3,443.47		3,077.22		2,710.83		2,344.39		1,983.00	
1/2		4,855.44		4,522.64		4,168.26		3,802.09		3,435.84		3,069.59		2,703.19		2,336.75		1,975.57	
3/4		4,848.73		4,515.47		4,160.65		3,794.46		3,428.21		3,061.96		2,695.56		2,329.12		1,968.14	
9	9	4,842.02	9	4,508.31	9	4,153.04	9	3,786.83	9	3,420.58	9	3,054.33	9	2,687.93	9	2,321.48	9	1,960.72	
1/4		4,835.31		4,501.14		4,145.44		3,779.20		3,412.95		3,046.70		2,680.29		2,313.85		1,953.29	
1/2		4,828.56		4,493.94		4,137.81		3,771.57		3,405.32		3,039.07		2,672.66		2,306.22		1,945.69	
3/4		4,821.82		4,486.74		4,130.18		3,763.94		3,397.69		3,031.44		2,665.02		2,298.58		1,938.09	
10	10	4,815.07	10	4,479.54	10	4,122.55	10	3,756.31	10	3,390.06	10	3,023.81	10	2,657.39	10	2,290.95	10	1,930.49	
1/4		4,808.32		4,472.34		4,114.93		3,748.68		3,382.43		3,016.18		2,649.75		2,283.31		1,922.89	
1/2		4,801.54		4,465.11		4,107.30		3,741.05		3,374.80		3,008.55		2,642.12		2,275.68		1,915.29	
3/4		4,794.76		4,457.87		4,099.67		3,733.42		3,367.17		3,000.92		2,634.49		2,268.04		1,907.69	
11	11	4,787.98	11	4,450.64	11	4,092.04	11	3,725.79	11	3,359.54	11	2,993.29	11	2,626.85	11	2,260.41	11	1,900.09	
1/4		4,781.20		4,443.41		4,084.41		3,718.16		3,351.91		2,985.66		2,619.22		2,252.78		1,892.49	
1/2		4,774.39		4,436.13		4,076.78		3,710.53		3,344.28		2,978.02		2,611.58		2,245.14		1,884.86	
3/4		4,767.57		4,428.86		4,069.15		3,702.90		3,336.65		2,970.39		2,603.95		2,237.51		1,877.23	

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 44'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "CTCo 333"

## 1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	1,869.61	0	1,503.10	0	1,136.59	0	770.57	0	408.15	0	86.46	0		0		0		0	
1/4	1,861.98	1/4	1,495.47	1/4	1,128.95	1/4	762.94	1/4	400.90	1/4	80.26	1/4		1/4		1/4		1/4	
1/2	1,854.35	1/2	1,487.83	1/2	1,121.32	1/2	755.30	1/2	393.74	1/2	74.18	1/2		1/2		1/2		1/2	
3/4	1,846.71	3/4	1,480.20	3/4	1,113.68	3/4	747.67	3/4	386.59	3/4	68.09	3/4		3/4		3/4		3/4	
1	1,839.07	1	1,472.56	1	1,106.05	1	740.03	1	379.43	1	62.00	1		1		1		1	
1/4	1,831.44	1/4	1,464.93	1/4	1,098.41	1/4	732.40	1/4	372.27	1/4	55.92	1/4		1/4		1/4		1/4	
1/2	1,823.80	1/2	1,457.29	1/2	1,090.78	1/2	724.76	1/2	365.20	1/2	50.62	1/2		1/2		1/2		1/2	
3/4	1,816.17	3/4	1,449.65	3/4	1,083.15	3/4	717.13	3/4	358.13	3/4	45.31	3/4		3/4		3/4		3/4	
2	1,808.53	2	1,442.02	2	1,075.52	2	709.49	2	351.06	2	40.01	2		2		2		2	
1/4	1,800.90	1/4	1,434.38	1/4	1,067.89	1/4	701.86	1/4	343.98	1/4	34.70	1/4		1/4		1/4		1/4	
1/2	1,793.26	1/2	1,426.75	1/2	1,060.26	1/2	694.22	1/2	337.00	1/2	30.81	1/2		1/2		1/2		1/2	
3/4	1,785.63	3/4	1,419.11	3/4	1,052.63	3/4	686.59	3/4	330.01	3/4	26.92	3/4		3/4		3/4		3/4	
3	1,777.99	3	1,411.48	3	1,045.00	3	678.95	3	323.03	3	23.03	3		3		3		3	
1/4	1,770.35	1/4	1,403.84	1/4	1,037.37	1/4	671.31	1/4	316.05	1/4	19.14	1/4		1/4		1/4		1/4	
1/2	1,762.72	1/2	1,396.20	1/2	1,029.75	1/2	663.68	1/2	309.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,755.08	3/4	1,388.57	3/4	1,022.13	3/4	656.04	3/4	302.25	3/4		3/4		3/4		3/4		3/4	
4	1,747.45	4	1,380.93	4	1,014.50	4	648.41	4	295.35	4		4		4		4		4	
1/4	1,739.81	1/4	1,373.30	1/4	1,006.88	1/4	640.77	1/4	288.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,732.18	1/2	1,365.66	1/2	999.26	1/2	633.14	1/2	281.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,724.54	3/4	1,358.03	3/4	991.64	3/4	625.50	3/4	274.83	3/4		3/4		3/4		3/4		3/4	
5	1,716.90	5	1,350.39	5	984.01	5	617.87	5	268.02	5		5		5		5		5	
1/4	1,709.27	1/4	1,342.75	1/4	976.39	1/4	610.23	1/4	261.21	1/4		1/4		1/4		1/4		1/4	
1/2	1,701.63	1/2	1,335.12	1/2	968.77	1/2	602.60	1/2	254.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,694.00	3/4	1,327.48	3/4	961.15	3/4	594.96	3/4	247.76	3/4		3/4		3/4		3/4		3/4	
6	1,686.36	6	1,319.85	6	953.53	6	587.33	6	241.04	6		6		6		6		6	
1/4	1,678.73	1/4	1,312.21	1/4	945.90	1/4	579.69	1/4	234.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,671.09	1/2	1,304.58	1/2	938.28	1/2	572.07	1/2	227.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,663.45	3/4	1,296.94	3/4	930.66	3/4	564.45	3/4	221.04	3/4		3/4		3/4		3/4		3/4	
7	1,655.82	7	1,289.30	7	923.04	7	556.82	7	214.40	7		7		7		7		7	
1/4	1,648.18	1/4	1,281.67	1/4	915.42	1/4	549.20	1/4	207.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,640.55	1/2	1,274.03	1/2	907.80	1/2	541.63	1/2	201.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,632.91	3/4	1,266.40	3/4	900.17	3/4	534.05	3/4	194.66	3/4		3/4		3/4		3/4		3/4	
8	1,625.28	8	1,258.76	8	892.55	8	526.47	8	188.11	8		8		8		8		8	
1/4	1,617.64	1/4	1,251.13	1/4	884.93	1/4	518.90	1/4	181.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,610.00	1/2	1,243.49	1/2	877.31	1/2	511.39	1/2	175.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,602.37	3/4	1,235.85	3/4	869.69	3/4	503.89	3/4	168.63	3/4		3/4		3/4		3/4		3/4	
9	1,594.73	9	1,228.22	9	862.06	9	496.39	9	162.17	9		9		9		9		9	
1/4	1,587.10	1/4	1,220.58	1/4	854.44	1/4	488.88	1/4	155.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,579.46	1/2	1,212.95	1/2	846.82	1/2	481.46	1/2	149.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,571.83	3/4	1,205.31	3/4	839.20	3/4	474.05	3/4	142.95	3/4		3/4		3/4		3/4		3/4	
10	1,564.19	10	1,197.68	10	831.58	10	466.63	10	136.58	10		10		10		10		10	
1/4	1,556.55	1/4	1,190.04	1/4	823.96	1/4	459.21	1/4	130.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,548.92	1/2	1,182.40	1/2	816.33	1/2	451.88	1/2	123.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,541.28	3/4	1,174.77	3/4	808.71	3/4	444.55	3/4	117.62	3/4		3/4		3/4		3/4		3/4	
11	1,533.65	11	1,167.13	11	801.09	11	437.21	11	111.33	11		11		11		11		11	
1/4	1,526.01	1/4	1,159.50	1/4	793.47	1/4	429.88	1/4	105.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,518.38	1/2	1,151.86	1/2	785.84	1/2	422.64	1/2	98.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,510.74	3/4	1,144.23	3/4	778.20	3/4	415.39	3/4	92.65	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2014 CL  
CALCULATED: 08/08/2014 CL  
PRINTED: 08/8/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2014

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





# BARGE "CTCo 333"

## 2 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-03 3/4"

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	1,823.37	0	1,478.84	0	1,134.49	0	803.89	0	459.57	0	115.03	0		0		0		0	
1/4	1,816.20	1/4	1,471.66	1/4	1,127.52	1/4	796.79	1/4	452.39	1/4	107.86	1/4		1/4		1/4		1/4	
1/2	1,809.03	1/2	1,464.48	1/2	1,120.56	1/2	789.69	1/2	445.22	1/2	100.69	1/2		1/2		1/2		1/2	
3/4	1,801.86	3/4	1,457.30	3/4	1,113.59	3/4	782.59	3/4	438.04	3/4	93.52	3/4		3/4		3/4		3/4	
1	1,794.68	1	1,450.12	1	1,106.70	1	775.41	1	430.86	1	86.37	1		1		1		1	
1/4	1,787.50	1/4	1,442.94	1/4	1,099.80	1/4	768.23	1/4	423.68	1/4	79.23	1/4		1/4		1/4		1/4	
1/2	1,780.32	1/2	1,435.77	1/2	1,092.91	1/2	761.05	1/2	416.50	1/2	72.08	1/2		1/2		1/2		1/2	
3/4	1,773.15	3/4	1,428.59	3/4	1,086.01	3/4	753.87	3/4	409.32	3/4	64.93	3/4		3/4		3/4		3/4	
2	1,765.97	2	1,421.41	2	1,079.13	2	746.70	2	402.15	2	58.43	2		2		2		2	
1/4	1,758.79	1/4	1,414.23	1/4	1,072.24	1/4	739.52	1/4	394.97	1/4	51.94	1/4		1/4		1/4		1/4	
1/2	1,751.61	1/2	1,407.05	1/2	1,065.36	1/2	732.34	1/2	387.79	1/2	45.44	1/2		1/2		1/2		1/2	
3/4	1,744.43	3/4	1,399.87	3/4	1,058.48	3/4	725.16	3/4	380.61	3/4	38.94	3/4		3/4		3/4		3/4	
3	1,737.25	3	1,392.70	3	1,051.60	3	717.98	3	373.43	3	34.01	3		3		3		3	
1/4	1,730.08	1/4	1,385.52	1/4	1,044.71	1/4	710.81	1/4	366.26	1/4	29.08	1/4		1/4		1/4		1/4	
1/2	1,722.90	1/2	1,378.34	1/2	1,037.83	1/2	703.63	1/2	359.08	1/2	24.14	1/2		1/2		1/2		1/2	
3/4	1,715.72	3/4	1,371.16	3/4	1,030.95	3/4	696.45	3/4	351.90	3/4	19.21	3/4		3/4		3/4		3/4	
4	1,708.54	4	1,363.98	4	1,024.08	4	689.27	4	344.72	4		4		4		4		4	
1/4	1,701.36	1/4	1,356.80	1/4	1,017.20	1/4	682.09	1/4	337.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,694.18	1/2	1,349.63	1/2	1,010.33	1/2	674.91	1/2	330.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,687.01	3/4	1,342.45	3/4	1,003.45	3/4	667.74	3/4	323.19	3/4		3/4		3/4		3/4		3/4	
5	1,679.83	5	1,335.27	5	996.58	5	660.56	5	316.01	5		5		5		5		5	
1/4	1,672.65	1/4	1,328.09	1/4	989.70	1/4	653.38	1/4	308.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,665.47	1/2	1,320.91	1/2	982.83	1/2	646.20	1/2	301.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,658.29	3/4	1,313.73	3/4	975.96	3/4	639.02	3/4	294.48	3/4		3/4		3/4		3/4		3/4	
6	1,651.11	6	1,306.56	6	969.08	6	631.85	6	287.30	6		6		6		6		6	
1/4	1,643.94	1/4	1,299.38	1/4	962.21	1/4	624.67	1/4	280.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,636.76	1/2	1,292.20	1/2	955.34	1/2	617.49	1/2	272.94	1/2		1/2		1/2		1/2		1/2	
3/4	1,629.58	3/4	1,285.02	3/4	948.46	3/4	610.31	3/4	265.76	3/4		3/4		3/4		3/4		3/4	
7	1,622.40	7	1,277.84	7	941.59	7	603.13	7	258.58	7		7		7		7		7	
1/4	1,615.22	1/4	1,270.67	1/4	934.72	1/4	595.96	1/4	251.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,608.05	1/2	1,263.49	1/2	927.84	1/2	588.78	1/2	244.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,600.87	3/4	1,256.31	3/4	920.97	3/4	581.60	3/4	237.05	3/4		3/4		3/4		3/4		3/4	
8	1,593.69	8	1,249.13	8	914.10	8	574.42	8	229.87	8		8		8		8		8	
1/4	1,586.51	1/4	1,241.95	1/4	907.22	1/4	567.24	1/4	222.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,579.33	1/2	1,234.77	1/2	900.35	1/2	560.06	1/2	215.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,572.15	3/4	1,227.60	3/4	893.48	3/4	552.89	3/4	208.34	3/4		3/4		3/4		3/4		3/4	
9	1,564.98	9	1,220.42	9	886.60	9	545.71	9	201.16	9		9		9		9		9	
1/4	1,557.80	1/4	1,213.24	1/4	879.73	1/4	538.53	1/4	193.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,550.62	1/2	1,206.06	1/2	872.86	1/2	531.35	1/2	186.80	1/2		1/2		1/2		1/2		1/2	
3/4	1,543.44	3/4	1,198.88	3/4	865.98	3/4	524.17	3/4	179.63	3/4		3/4		3/4		3/4		3/4	
10	1,536.26	10	1,191.70	10	859.11	10	517.00	10	172.45	10		10		10		10		10	
1/4	1,529.08	1/4	1,184.53	1/4	852.23	1/4	509.82	1/4	165.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,521.91	1/2	1,177.35	1/2	845.36	1/2	502.64	1/2	158.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,514.73	3/4	1,170.17	3/4	838.49	3/4	495.46	3/4	150.91	3/4		3/4		3/4		3/4		3/4	
11	1,507.55	11	1,162.99	11	831.61	11	488.28	11	143.74	11		11		11		11		11	
1/4	1,500.37	1/4	1,155.81	1/4	824.74	1/4	481.11	1/4	136.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,493.19	1/2	1,148.63	1/2	817.87	1/2	473.93	1/2	129.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,486.01	3/4	1,141.46	3/4	810.99	3/4	466.75	3/4	122.20	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2014 CL  
CALCULATED: 08/08/2014 CL  
PRINTED: 08/8/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2014

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "CTCo 333"

2 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/2"

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

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 40'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092

Pearland, Texas 77588  
<http://www.pmacorp.net>







# BARGE "CTCo 333"

## 2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	1,829.68	0	1,485.22	0	1,140.76	0	796.73	0	452.28	0	107.84	0		0		0		0	
1/4	1,822.51	1/4	1,478.05	1/4	1,133.58	1/4	789.56	1/4	445.10	1/4	100.67	1/4		1/4		1/4		1/4	
1/2	1,815.34	1/2	1,470.87	1/2	1,126.40	1/2	782.38	1/2	437.93	1/2	93.50	1/2		1/2		1/2		1/2	
3/4	1,808.16	3/4	1,463.69	3/4	1,119.23	3/4	775.21	3/4	430.75	3/4	86.36	3/4		3/4		3/4		3/4	
1	1,800.98	1	1,456.52	1	1,112.05	1	768.03	1	423.57	1	79.21	1		1		1		1	
1/4	1,793.81	1/4	1,449.34	1/4	1,104.87	1/4	760.86	1/4	416.40	1/4	72.06	1/4		1/4		1/4		1/4	
1/2	1,786.63	1/2	1,442.16	1/2	1,097.70	1/2	753.68	1/2	409.22	1/2	64.91	1/2		1/2		1/2		1/2	
3/4	1,779.45	3/4	1,434.99	3/4	1,090.52	3/4	746.50	3/4	402.05	3/4	58.42	3/4		3/4		3/4		3/4	
2	1,772.28	2	1,427.81	2	1,083.35	2	739.33	2	394.87	2	51.93	2		2		2		2	
1/4	1,765.10	1/4	1,420.63	1/4	1,076.18	1/4	732.15	1/4	387.69	1/4	45.43	1/4		1/4		1/4		1/4	
1/2	1,757.93	1/2	1,413.46	1/2	1,069.01	1/2	724.97	1/2	380.52	1/2	38.94	1/2		1/2		1/2		1/2	
3/4	1,750.75	3/4	1,406.28	3/4	1,061.84	3/4	717.80	3/4	373.34	3/4	34.01	3/4		3/4		3/4		3/4	
3	1,743.57	3	1,399.11	3	1,054.67	3	710.62	3	366.16	3	29.07	3		3		3		3	
1/4	1,736.40	1/4	1,391.93	1/4	1,047.49	1/4	703.45	1/4	358.99	1/4	24.14	1/4		1/4		1/4		1/4	
1/2	1,729.22	1/2	1,384.75	1/2	1,040.32	1/2	696.27	1/2	351.81	1/2	19.20	1/2		1/2		1/2		1/2	
3/4	1,722.04	3/4	1,377.58	3/4	1,033.16	3/4	689.09	3/4	344.64	3/4		3/4		3/4		3/4		3/4	
4	1,714.87	4	1,370.40	4	1,025.99	4	681.92	4	337.46	4		4		4		4		4	
1/4	1,707.69	1/4	1,363.22	1/4	1,018.83	1/4	674.74	1/4	330.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,700.51	1/2	1,356.05	1/2	1,011.66	1/2	667.57	1/2	323.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,693.34	3/4	1,348.87	3/4	1,004.50	3/4	660.39	3/4	315.93	3/4		3/4		3/4		3/4		3/4	
5	1,686.16	5	1,341.69	5	997.33	5	653.21	5	308.76	5		5		5		5		5	
1/4	1,678.99	1/4	1,334.52	1/4	990.17	1/4	646.04	1/4	301.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,671.81	1/2	1,327.34	1/2	983.01	1/2	638.86	1/2	294.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,664.63	3/4	1,320.17	3/4	975.84	3/4	631.68	3/4	287.23	3/4		3/4		3/4		3/4		3/4	
6	1,657.46	6	1,312.99	6	968.68	6	624.51	6	280.05	6		6		6		6		6	
1/4	1,650.28	1/4	1,305.81	1/4	961.52	1/4	617.33	1/4	272.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,643.10	1/2	1,298.64	1/2	954.35	1/2	610.16	1/2	265.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,635.93	3/4	1,291.46	3/4	947.19	3/4	602.98	3/4	258.52	3/4		3/4		3/4		3/4		3/4	
7	1,628.75	7	1,284.28	7	940.03	7	595.80	7	251.35	7		7		7		7		7	
1/4	1,621.57	1/4	1,277.11	1/4	932.86	1/4	588.63	1/4	244.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,614.40	1/2	1,269.93	1/2	925.70	1/2	581.45	1/2	236.99	1/2		1/2		1/2		1/2		1/2	
3/4	1,607.22	3/4	1,262.75	3/4	918.54	3/4	574.27	3/4	229.82	3/4		3/4		3/4		3/4		3/4	
8	1,600.04	8	1,255.58	8	911.37	8	567.10	8	222.64	8		8		8		8		8	
1/4	1,592.87	1/4	1,248.40	1/4	904.21	1/4	559.92	1/4	215.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,585.69	1/2	1,241.22	1/2	897.05	1/2	552.75	1/2	208.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,578.52	3/4	1,234.05	3/4	889.88	3/4	545.57	3/4	201.11	3/4		3/4		3/4		3/4		3/4	
9	1,571.34	9	1,226.87	9	882.72	9	538.39	9	193.94	9		9		9		9		9	
1/4	1,564.16	1/4	1,219.70	1/4	875.55	1/4	531.22	1/4	186.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,556.99	1/2	1,212.52	1/2	868.39	1/2	524.04	1/2	179.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,549.81	3/4	1,205.34	3/4	861.23	3/4	516.86	3/4	172.41	3/4		3/4		3/4		3/4		3/4	
10	1,542.63	10	1,198.17	10	854.06	10	509.69	10	165.23	10		10		10		10		10	
1/4	1,535.46	1/4	1,190.99	1/4	846.90	1/4	502.51	1/4	158.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,528.28	1/2	1,183.81	1/2	839.74	1/2	495.34	1/2	150.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,521.10	3/4	1,176.64	3/4	832.57	3/4	488.16	3/4	143.70	3/4		3/4		3/4		3/4		3/4	
11	1,513.93	11	1,169.46	11	825.41	11	480.98	11	136.53	11		11		11		11		11	
1/4	1,506.75	1/4	1,162.28	1/4	818.25	1/4	473.81	1/4	129.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,499.58	1/2	1,155.11	1/2	811.08	1/2	466.63	1/2	122.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,492.40	3/4	1,147.93	3/4	803.91	3/4	459.46	3/4	115.01	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2014 CL  
CALCULATED: 08/08/2014 CL  
PRINTED: 08/8/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2014

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





# BARGE "CTCo 333"

## 3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 15'-03"

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	1,907.42	0	1,543.63	0	1,180.47	0	826.85	0	462.87	0	98.93	0		0		0		0	
1/4	1,899.84	1/4	1,536.05	1/4	1,173.10	1/4	819.27	1/4	455.29	1/4	91.37	1/4		1/4		1/4		1/4	
1/2	1,892.26	1/2	1,528.47	1/2	1,165.74	1/2	811.69	1/2	447.71	1/2	83.80	1/2		1/2		1/2		1/2	
3/4	1,884.68	3/4	1,520.89	3/4	1,158.37	3/4	804.10	3/4	440.12	3/4	76.24	3/4		3/4		3/4		3/4	
1	1,877.10	1	1,513.31	1	1,151.00	1	796.52	1	432.54	1	68.68	1		1		1		1	
1/4	1,869.52	1/4	1,505.74	1/4	1,143.64	1/4	788.94	1/4	424.96	1/4	61.80	1/4		1/4		1/4		1/4	
1/2	1,861.94	1/2	1,498.16	1/2	1,136.28	1/2	781.36	1/2	417.38	1/2	54.93	1/2		1/2		1/2		1/2	
3/4	1,854.36	3/4	1,490.58	3/4	1,128.92	3/4	773.77	3/4	409.80	3/4	48.06	3/4		3/4		3/4		3/4	
2	1,846.79	2	1,483.00	2	1,121.56	2	766.19	2	402.22	2	41.19	2		2		2		2	
1/4	1,839.21	1/4	1,475.42	1/4	1,114.20	1/4	758.61	1/4	394.63	1/4	35.97	1/4		1/4		1/4		1/4	
1/2	1,831.63	1/2	1,467.84	1/2	1,106.85	1/2	751.02	1/2	387.05	1/2	30.74	1/2		1/2		1/2		1/2	
3/4	1,824.05	3/4	1,460.26	3/4	1,099.49	3/4	743.44	3/4	379.47	3/4	25.52	3/4		3/4		3/4		3/4	
3	1,816.47	3	1,452.68	3	1,092.13	3	735.86	3	371.89	3	20.30	3		3		3		3	
1/4	1,808.89	1/4	1,445.10	1/4	1,084.78	1/4	728.27	1/4	364.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,801.31	1/2	1,437.53	1/2	1,077.43	1/2	720.69	1/2	356.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,793.73	3/4	1,429.95	3/4	1,070.08	3/4	713.11	3/4	349.14	3/4		3/4		3/4		3/4		3/4	
4	1,786.15	4	1,422.37	4	1,062.73	4	705.52	4	341.56	4		4		4		4		4	
1/4	1,778.58	1/4	1,414.79	1/4	1,055.38	1/4	697.94	1/4	333.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,771.00	1/2	1,407.21	1/2	1,048.03	1/2	690.36	1/2	326.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,763.42	3/4	1,399.63	3/4	1,040.68	3/4	682.78	3/4	318.82	3/4		3/4		3/4		3/4		3/4	
5	1,755.84	5	1,392.05	5	1,033.33	5	675.19	5	311.24	5		5		5		5		5	
1/4	1,748.26	1/4	1,384.47	1/4	1,025.98	1/4	667.61	1/4	303.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,740.68	1/2	1,376.89	1/2	1,018.63	1/2	660.03	1/2	296.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,733.10	3/4	1,369.32	3/4	1,011.28	3/4	652.44	3/4	288.49	3/4		3/4		3/4		3/4		3/4	
6	1,725.52	6	1,361.74	6	1,003.94	6	644.86	6	280.91	6		6		6		6		6	
1/4	1,717.94	1/4	1,354.16	1/4	996.59	1/4	637.28	1/4	273.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,710.37	1/2	1,346.58	1/2	989.24	1/2	629.69	1/2	265.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,702.79	3/4	1,339.00	3/4	981.89	3/4	622.11	3/4	258.16	3/4		3/4		3/4		3/4		3/4	
7	1,695.21	7	1,331.42	7	974.54	7	614.53	7	250.58	7		7		7		7		7	
1/4	1,687.63	1/4	1,323.84	1/4	967.19	1/4	606.94	1/4	243.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,680.05	1/2	1,316.26	1/2	959.84	1/2	599.36	1/2	235.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,672.47	3/4	1,308.68	3/4	952.49	3/4	591.78	3/4	227.83	3/4		3/4		3/4		3/4		3/4	
8	1,664.89	8	1,301.11	8	945.14	8	584.19	8	220.25	8		8		8		8		8	
1/4	1,657.31	1/4	1,293.53	1/4	937.79	1/4	576.61	1/4	212.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,649.73	1/2	1,285.95	1/2	930.44	1/2	569.03	1/2	205.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,642.16	3/4	1,278.37	3/4	923.09	3/4	561.45	3/4	197.50	3/4		3/4		3/4		3/4		3/4	
9	1,634.58	9	1,270.79	9	915.74	9	553.86	9	189.92	9		9		9		9		9	
1/4	1,627.00	1/4	1,263.21	1/4	908.39	1/4	546.28	1/4	182.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,619.42	1/2	1,255.63	1/2	901.04	1/2	538.70	1/2	174.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,611.84	3/4	1,248.05	3/4	893.70	3/4	531.11	3/4	167.17	3/4		3/4		3/4		3/4		3/4	
10	1,604.26	10	1,240.47	10	886.35	10	523.53	10	159.58	10		10		10		10		10	
1/4	1,596.68	1/4	1,232.90	1/4	879.00	1/4	515.95	1/4	152.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,589.10	1/2	1,225.32	1/2	871.65	1/2	508.36	1/2	144.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,581.52	3/4	1,217.74	3/4	864.30	3/4	500.78	3/4	136.83	3/4		3/4		3/4		3/4		3/4	
11	1,573.95	11	1,210.16	11	856.95	11	493.20	11	129.25	11		11		11		11		11	
1/4	1,566.37	1/4	1,202.74	1/4	849.43	1/4	485.62	1/4	121.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,558.79	1/2	1,195.32	1/2	841.90	1/2	478.03	1/2	114.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,551.21	3/4	1,187.89	3/4	834.38	3/4	470.45	3/4	106.51	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2014 CL  
CALCULATED: 08/08/2014 CL  
PRINTED: 08/8/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2014

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





# BARGE "CTCo 333"

## 3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	1,928.71	0	1,564.16	0	1,199.60	0	835.59	0	471.04	0	106.52	0		0		0		0	
1/4	1,921.12	1/4	1,556.56	1/4	1,192.00	1/4	827.99	1/4	463.44	1/4	98.93	1/4		1/4		1/4		1/4	
1/2	1,913.53	1/2	1,548.97	1/2	1,184.41	1/2	820.40	1/2	455.85	1/2	91.37	1/2		1/2		1/2		1/2	
3/4	1,905.93	3/4	1,541.37	3/4	1,176.81	3/4	812.80	3/4	448.25	3/4	83.80	3/4		3/4		3/4		3/4	
1	1,898.34	1	1,533.78	1	1,169.22	1	805.21	1	440.66	1	76.24	1		1		1		1	
1/4	1,890.74	1/4	1,526.18	1/4	1,161.62	1/4	797.61	1/4	433.06	1/4	68.67	1/4		1/4		1/4		1/4	
1/2	1,883.15	1/2	1,518.59	1/2	1,154.03	1/2	790.02	1/2	425.47	1/2	61.80	1/2		1/2		1/2		1/2	
3/4	1,875.55	3/4	1,510.99	3/4	1,146.44	3/4	782.43	3/4	417.87	3/4	54.93	3/4		3/4		3/4		3/4	
2	1,867.96	2	1,503.40	2	1,138.85	2	774.83	2	410.28	2	48.06	2		2		2		2	
1/4	1,860.36	1/4	1,495.80	1/4	1,131.27	1/4	767.24	1/4	402.69	1/4	41.18	1/4		1/4		1/4		1/4	
1/2	1,852.77	1/2	1,488.21	1/2	1,123.68	1/2	759.64	1/2	395.09	1/2	35.96	1/2		1/2		1/2		1/2	
3/4	1,845.17	3/4	1,480.61	3/4	1,116.09	3/4	752.05	3/4	387.50	3/4	30.74	3/4		3/4		3/4		3/4	
3	1,837.58	3	1,473.02	3	1,108.50	3	744.45	3	379.90	3	25.52	3		3		3		3	
1/4	1,829.98	1/4	1,465.42	1/4	1,100.92	1/4	736.86	1/4	372.31	1/4	20.30	1/4		1/4		1/4		1/4	
1/2	1,822.39	1/2	1,457.83	1/2	1,093.34	1/2	729.26	1/2	364.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,814.79	3/4	1,450.23	3/4	1,085.75	3/4	721.67	3/4	357.12	3/4		3/4		3/4		3/4		3/4	
4	1,807.20	4	1,442.64	4	1,078.17	4	714.07	4	349.52	4		4		4		4		4	
1/4	1,799.60	1/4	1,435.04	1/4	1,070.59	1/4	706.48	1/4	341.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,792.01	1/2	1,427.45	1/2	1,063.01	1/2	698.88	1/2	334.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,784.41	3/4	1,419.85	3/4	1,055.43	3/4	691.29	3/4	326.74	3/4		3/4		3/4		3/4		3/4	
5	1,776.82	5	1,412.26	5	1,047.85	5	683.69	5	319.14	5		5		5		5		5	
1/4	1,769.22	1/4	1,404.66	1/4	1,040.27	1/4	676.10	1/4	311.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,761.63	1/2	1,397.07	1/2	1,032.69	1/2	668.50	1/2	303.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,754.03	3/4	1,389.47	3/4	1,025.11	3/4	660.91	3/4	296.36	3/4		3/4		3/4		3/4		3/4	
6	1,746.44	6	1,381.88	6	1,017.53	6	653.31	6	288.76	6		6		6		6		6	
1/4	1,738.84	1/4	1,374.28	1/4	1,009.95	1/4	645.72	1/4	281.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,731.25	1/2	1,366.69	1/2	1,002.37	1/2	638.12	1/2	273.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,723.65	3/4	1,359.09	3/4	994.79	3/4	630.53	3/4	265.98	3/4		3/4		3/4		3/4		3/4	
7	1,716.06	7	1,351.50	7	987.21	7	622.93	7	258.38	7		7		7		7		7	
1/4	1,708.46	1/4	1,343.90	1/4	979.63	1/4	615.34	1/4	250.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,700.87	1/2	1,336.31	1/2	972.05	1/2	607.74	1/2	243.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,693.27	3/4	1,328.71	3/4	964.47	3/4	600.15	3/4	235.60	3/4		3/4		3/4		3/4		3/4	
8	1,685.68	8	1,321.12	8	956.89	8	592.56	8	228.00	8		8		8		8		8	
1/4	1,678.08	1/4	1,313.52	1/4	949.31	1/4	584.96	1/4	220.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,670.49	1/2	1,305.93	1/2	941.74	1/2	577.37	1/2	212.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,662.89	3/4	1,298.33	3/4	934.16	3/4	569.77	3/4	205.22	3/4		3/4		3/4		3/4		3/4	
9	1,655.30	9	1,290.74	9	926.58	9	562.18	9	197.63	9		9		9		9		9	
1/4	1,647.70	1/4	1,283.14	1/4	919.00	1/4	554.58	1/4	190.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,640.11	1/2	1,275.55	1/2	911.42	1/2	546.99	1/2	182.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,632.51	3/4	1,267.95	3/4	903.84	3/4	539.39	3/4	174.84	3/4		3/4		3/4		3/4		3/4	
10	1,624.92	10	1,260.36	10	896.26	10	531.80	10	167.25	10		10		10		10		10	
1/4	1,617.32	1/4	1,252.76	1/4	888.68	1/4	524.20	1/4	159.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,609.73	1/2	1,245.17	1/2	881.10	1/2	516.61	1/2	152.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,602.13	3/4	1,237.57	3/4	873.52	3/4	509.01	3/4	144.46	3/4		3/4		3/4		3/4		3/4	
11	1,594.54	11	1,229.98	11	865.94	11	501.42	11	136.87	11		11		11		11		11	
1/4	1,586.94	1/4	1,222.38	1/4	858.36	1/4	493.82	1/4	129.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,579.35	1/2	1,214.79	1/2	850.77	1/2	486.23	1/2	121.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,571.75	3/4	1,207.19	3/4	843.18	3/4	478.63	3/4	114.10	3/4		3/4		3/4		3/4		3/4	

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