



BARGE "CTCo 333"

INNAGE 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 INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

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 INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	19.14	0	316.27	0	672.08	0	1,037.39	0	1,403.84	0	1,770.83	0	2,131.59	0	2,498.51	0	2,865.43	0	3,232.22
1/4	23.02	1/4	323.27	1/4	679.73	1/4	1,044.99	1/4	1,411.48	1/4	1,778.47	1/4	2,139.23	1/4	2,506.15	1/4	2,873.07	1/4	3,239.86
1/2	26.91	1/2	330.26	1/2	687.37	1/2	1,052.60	1/2	1,419.13	1/2	1,786.12	1/2	2,146.88	1/2	2,513.80	1/2	2,880.72	1/2	3,247.50
3/4	30.80	3/4	337.26	3/4	695.02	3/4	1,060.20	3/4	1,426.78	3/4	1,793.76	3/4	2,154.52	3/4	2,521.44	3/4	2,888.36	3/4	3,255.14
1	34.69	1	344.25	1	702.66	1	1,067.80	1	1,434.42	1	1,801.41	1	2,162.16	1	2,529.09	1	2,896.01	1	3,262.78
1/4	39.99	1/4	351.33	1/4	710.31	1/4	1,075.41	1/4	1,442.07	1/4	1,809.06	1/4	2,169.81	1/4	2,536.73	1/4	2,903.65	1/4	3,270.42
1/2	45.30	1/2	358.42	1/2	717.95	1/2	1,083.01	1/2	1,449.71	1/2	1,816.70	1/2	2,177.45	1/2	2,544.37	1/2	2,911.30	1/2	3,278.06
3/4	50.60	3/4	365.50	3/4	725.60	3/4	1,090.62	3/4	1,457.36	3/4	1,824.35	3/4	2,185.10	3/4	2,552.02	3/4	2,918.94	3/4	3,285.70
2	55.90	2	372.58	2	733.24	2	1,098.22	2	1,465.00	2	1,831.99	2	2,192.74	2	2,559.66	2	2,926.58	2	3,293.34
1/4	61.98	1/4	379.75	1/4	740.89	1/4	1,105.84	1/4	1,472.65	1/4	1,839.64	1/4	2,200.38	1/4	2,567.31	1/4	2,934.23	1/4	3,300.98
1/2	68.07	1/2	386.91	1/2	748.53	1/2	1,113.45	1/2	1,480.29	1/2	1,847.28	1/2	2,208.03	1/2	2,574.95	1/2	2,941.87	1/2	3,308.62
3/4	74.15	3/4	394.08	3/4	756.18	3/4	1,121.07	3/4	1,487.94	3/4	1,854.93	3/4	2,215.67	3/4	2,582.59	3/4	2,949.52	3/4	3,316.26
3	80.24	3	401.25	3	763.82	3	1,128.69	3	1,495.59	3	1,862.57	3	2,223.32	3	2,590.24	3	2,957.16	3	3,323.90
1/4	86.43	1/4	408.50	1/4	771.46	1/4	1,136.31	1/4	1,503.23	1/4	1,870.21	1/4	2,230.96	1/4	2,597.88	1/4	2,964.80	1/4	3,331.54
1/2	92.62	1/2	415.76	1/2	779.09	1/2	1,143.93	1/2	1,510.88	1/2	1,877.85	1/2	2,238.61	1/2	2,605.53	1/2	2,972.45	1/2	3,339.18
3/4	98.82	3/4	423.01	3/4	786.72	3/4	1,151.56	3/4	1,518.52	3/4	1,885.49	3/4	2,246.25	3/4	2,613.17	3/4	2,980.09	3/4	3,346.82
4	105.01	4	430.27	4	794.36	4	1,159.18	4	1,526.17	4	1,893.12	4	2,253.89	4	2,620.82	4	2,987.73	4	3,354.46
1/4	111.30	1/4	437.61	1/4	801.95	1/4	1,166.82	1/4	1,533.81	1/4	1,900.73	1/4	2,261.54	1/4	2,628.46	1/4	2,995.37	1/4	3,362.10
1/2	117.59	1/2	444.95	1/2	809.55	1/2	1,174.47	1/2	1,541.46	1/2	1,908.35	1/2	2,269.18	1/2	2,636.10	1/2	3,003.01	1/2	3,369.74
3/4	123.88	3/4	452.29	3/4	817.14	3/4	1,182.12	3/4	1,549.10	3/4	1,915.96	3/4	2,276.83	3/4	2,643.75	3/4	3,010.65	3/4	3,377.38
5	130.17	5	459.64	5	824.73	5	1,189.76	5	1,556.75	5	1,923.57	5	2,284.47	5	2,651.39	5	3,018.29	5	3,385.02
1/4	136.55	1/4	467.06	1/4	832.33	1/4	1,197.41	1/4	1,564.40	1/4	1,931.18	1/4	2,292.12	1/4	2,659.04	1/4	3,025.93	1/4	3,392.66
1/2	142.93	1/2	474.49	1/2	839.92	1/2	1,205.05	1/2	1,572.04	1/2	1,938.79	1/2	2,299.76	1/2	2,666.68	1/2	3,033.57	1/2	3,400.30
3/4	149.31	3/4	481.92	3/4	847.52	3/4	1,212.70	3/4	1,579.69	3/4	1,946.40	3/4	2,307.40	3/4	2,674.33	3/4	3,041.21	3/4	3,407.94
6	155.70	6	489.35	6	855.11	6	1,220.34	6	1,587.33	6	1,954.01	6	2,315.05	6	2,681.97	6	3,048.85	6	3,415.58
1/4	162.17	1/4	496.87	1/4	862.71	1/4	1,227.99	1/4	1,594.98	1/4	1,961.44	1/4	2,322.69	1/4	2,689.61	1/4	3,056.49	1/4	3,423.22
1/2	168.64	1/2	504.38	1/2	870.30	1/2	1,235.64	1/2	1,602.62	1/2	1,968.88	1/2	2,330.34	1/2	2,697.26	1/2	3,064.13	1/2	3,430.86
3/4	175.12	3/4	511.90	3/4	877.90	3/4	1,243.28	3/4	1,610.27	3/4	1,976.32	3/4	2,337.98	3/4	2,704.90	3/4	3,071.77	3/4	3,438.50
7	181.59	7	519.41	7	885.49	7	1,250.93	7	1,617.92	7	1,983.76	7	2,345.62	7	2,712.55	7	3,079.41	7	3,446.14
1/4	188.15	1/4	527.00	1/4	893.09	1/4	1,258.57	1/4	1,625.56	1/4	1,990.68	1/4	2,353.27	1/4	2,720.19	1/4	3,087.05	1/4	3,453.78
1/2	194.71	1/2	534.60	1/2	900.68	1/2	1,266.22	1/2	1,633.21	1/2	1,997.60	1/2	2,360.91	1/2	2,727.83	1/2	3,094.69	1/2	3,461.42
3/4	201.27	3/4	542.19	3/4	908.28	3/4	1,273.86	3/4	1,640.85	3/4	2,004.52	3/4	2,368.56	3/4	2,735.48	3/4	3,102.33	3/4	3,469.06
8	207.83	8	549.79	8	915.87	8	1,281.51	8	1,648.50	8	2,011.45	8	2,376.20	8	2,743.12	8	3,109.97	8	3,476.70
1/4	214.48	1/4	557.42	1/4	923.46	1/4	1,289.15	1/4	1,656.14	1/4	2,018.55	1/4	2,383.85	1/4	2,750.77	1/4	3,117.61	1/4	3,484.34
1/2	221.13	1/2	565.06	1/2	931.06	1/2	1,296.80	1/2	1,663.79	1/2	2,025.65	1/2	2,391.49	1/2	2,758.41	1/2	3,125.25	1/2	3,491.98
3/4	227.78	3/4	572.70	3/4	938.65	3/4	1,304.45	3/4	1,671.43	3/4	2,032.75	3/4	2,399.13	3/4	2,766.06	3/4	3,132.89	3/4	3,499.62
9	234.42	9	580.34	9	946.25	9	1,312.09	9	1,679.08	9	2,039.86	9	2,406.78	9	2,773.70	9	3,140.53	9	3,507.26
1/4	241.16	1/4	587.98	1/4	953.84	1/4	1,319.74	1/4	1,686.73	1/4	2,047.50	1/4	2,414.42	1/4	2,781.34	1/4	3,148.17	1/4	3,514.90
1/2	247.89	1/2	595.63	1/2	961.44	1/2	1,327.38	1/2	1,694.37	1/2	2,055.14	1/2	2,422.07	1/2	2,788.99	1/2	3,155.81	1/2	3,522.54
3/4	254.63	3/4	603.27	3/4	969.03	3/4	1,335.03	3/4	1,702.02	3/4	2,062.79	3/4	2,429.71	3/4	2,796.63	3/4	3,163.45	3/4	3,530.17
10	261.36	10	610.92	10	976.63	10	1,342.67	10	1,709.66	10	2,070.43	10	2,437.35	10	2,804.28	10	3,171.09	10	3,537.81
1/4	268.18	1/4	618.56	1/4	984.22	1/4	1,350.32	1/4	1,717.31	1/4	2,078.08	1/4	2,445.00	1/4	2,811.92	1/4	3,178.73	1/4	3,545.44
1/2	275.00	1/2	626.21	1/2	991.82	1/2	1,357.96	1/2	1,724.95	1/2	2,085.72	1/2	2,452.64	1/2	2,819.56	1/2	3,186.37	1/2	3,553.07
3/4	281.82	3/4	633.85	3/4	999.41	3/4	1,365.61	3/4	1,732.60	3/4	2,093.37	3/4	2,460.29	3/4	2,827.21	3/4	3,194.01	3/4	3,560.70
11	288.64	11	641.50	11	1,007.01	11	1,373.26	11	1,740.24	11	2,101.01	11	2,467.93	11	2,834.85	11	3,201.65	11	3,568.33
1/4	295.55	1/4	649.14	1/4	1,014.60	1/4	1,380.90	1/4	1,747.89	1/4	2,108.65	1/4	2,475.58	1/4	2,842.50	1/4	3,209.29	1/4	3,575.95
1/2	302.46	1/2	656.79	1/2	1,022.20	1/2	1,388.55	1/2	1,755.54	1/2	2,116.30	1/2	2,483.22	1/2	2,850.14	1/2	3,216.94	1/2	3,583.58
3/4	309.37	3/4	664.43	3/4	1,029.80	3/4	1,396.19	3/4	1,763.18	3/4	2,123.94	3/4	2,490.86	3/4	2,857.79	3/4	3,224.58	3/4	3,591.21

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

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

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



BARGE "CTCo 333"

1 PORT INNAGE 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	3,598.84	0	3,965.01	0	4,328.56	0	4,673.61	0	5,005.85	0		0		0		0		0	
1/4	3,606.47	1/4	3,972.64	1/4	4,335.96	1/4	4,680.57	1/4	5,013.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,614.10	1/2	3,980.26	1/2	4,343.35	1/2	4,687.52	1/2	5,021.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,621.72	3/4	3,987.89	3/4	4,350.75	3/4	4,694.47	3/4	5,028.57	3/4		3/4		3/4		3/4		3/4	
1	3,629.35	1	3,995.52	1	4,358.15	1	4,701.43	1	5,036.14	1		1		1		1		1	
1/4	3,636.98	1/4	4,003.15	1/4	4,365.51	1/4	4,708.34	1/4	5,043.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,644.61	1/2	4,010.78	1/2	4,372.87	1/2	4,715.25	1/2	5,050.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,652.24	3/4	4,018.41	3/4	4,380.24	3/4	4,722.16	3/4	5,058.28	3/4		3/4		3/4		3/4		3/4	
2	3,659.87	2	4,026.04	2	4,387.60	2	4,729.07	2	5,065.67	2		2		2		2		2	
1/4	3,667.50	1/4	4,033.66	1/4	4,394.92	1/4	4,735.91	1/4	5,072.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,675.12	1/2	4,041.29	1/2	4,402.25	1/2	4,742.76	1/2	5,078.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,682.75	3/4	4,048.92	3/4	4,409.57	3/4	4,749.60	3/4	5,084.95	3/4		3/4		3/4		3/4		3/4	
3	3,690.38	3	4,056.55	3	4,416.90	3	4,756.45	3	5,091.38	3		3		3		3		3	
1/4	3,698.01	1/4	4,064.18	1/4	4,424.17	1/4	4,763.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,705.64	1/2	4,071.81	1/2	4,431.44	1/2	4,770.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,713.27	3/4	4,079.43	3/4	4,438.71	3/4	4,776.89	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,720.90	4	4,087.06	4	4,445.98	4	4,783.70	4		4		4		4		4		4	
1/4	3,728.52	1/4	4,094.69	1/4	4,453.22	1/4	4,790.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,736.15	1/2	4,102.32	1/2	4,460.45	1/2	4,797.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,743.78	3/4	4,109.95	3/4	4,467.68	3/4	4,804.04	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,751.41	5	4,117.58	5	4,474.91	5	4,810.82	5		5		5		5		5		5	
1/4	3,759.04	1/4	4,125.20	1/4	4,482.11	1/4	4,817.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,766.67	1/2	4,132.83	1/2	4,489.31	1/2	4,824.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,774.29	3/4	4,140.45	3/4	4,496.50	3/4	4,831.05	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,781.92	6	4,148.08	6	4,503.70	6	4,837.80	6		6		6		6		6		6	
1/4	3,789.55	1/4	4,155.69	1/4	4,510.87	1/4	4,844.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,797.18	1/2	4,163.29	1/2	4,518.03	1/2	4,851.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,804.81	3/4	4,170.90	3/4	4,525.20	3/4	4,857.92	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,812.44	7	4,178.51	7	4,532.36	7	4,864.63	7		7		7		7		7		7	
1/4	3,820.07	1/4	4,186.08	1/4	4,539.49	1/4	4,871.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,827.69	1/2	4,193.66	1/2	4,546.62	1/2	4,877.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,835.32	3/4	4,201.23	3/4	4,553.75	3/4	4,884.64	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,842.95	8	4,208.80	8	4,560.88	8	4,891.31	8		8		8		8		8		8	
1/4	3,850.58	1/4	4,216.34	1/4	4,567.98	1/4	4,897.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,858.21	1/2	4,223.88	1/2	4,575.08	1/2	4,904.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,865.84	3/4	4,231.42	3/4	4,582.17	3/4	4,911.23	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,873.47	9	4,238.96	9	4,589.27	9	4,917.87	9		9		9		9		9		9	
1/4	3,881.09	1/4	4,246.47	1/4	4,596.33	1/4	4,924.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,888.72	1/2	4,253.97	1/2	4,603.39	1/2	4,931.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,896.35	3/4	4,261.48	3/4	4,610.46	3/4	4,938.43	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,903.98	10	4,268.98	10	4,617.52	10	4,945.28	10		10		10		10		10		10	
1/4	3,911.61	1/4	4,276.45	1/4	4,624.55	1/4	4,952.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,919.24	1/2	4,283.91	1/2	4,631.58	1/2	4,960.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,926.86	3/4	4,291.37	3/4	4,638.61	3/4	4,968.00	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,934.49	11	4,298.84	11	4,645.64	11	4,975.57	11		11		11		11		11		11	
1/4	3,942.12	1/4	4,306.27	1/4	4,652.63	1/4	4,983.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,949.75	1/2	4,313.70	1/2	4,659.63	1/2	4,990.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,957.38	3/4	4,321.13	3/4	4,666.62	3/4	4,998.28	3/4		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"

1 STBD

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	19.14	0	316.04	0	671.31	0	1,037.37	0	1,403.84	0	1,770.35	0	2,130.63	0	2,497.07	0	2,863.51	0	3,229.82
1/4	23.03	1/4	323.03	1/4	678.95	1/4	1,045.00	1/4	1,411.47	1/4	1,777.99	1/4	2,138.26	1/4	2,504.70	1/4	2,871.14	1/4	3,237.45
1/2	26.92	1/2	330.01	1/2	686.58	1/2	1,052.63	1/2	1,419.11	1/2	1,785.62	1/2	2,145.89	1/2	2,512.34	1/2	2,878.78	1/2	3,245.08
3/4	30.81	3/4	337.00	3/4	694.22	3/4	1,060.26	3/4	1,426.74	3/4	1,792.26	3/4	2,153.53	3/4	2,519.97	3/4	2,886.41	3/4	3,252.71
1	34.70	1	343.98	1	701.85	1	1,067.89	1	1,434.38	1	1,800.89	1	2,161.16	1	2,527.60	1	2,894.05	1	3,260.34
1/4	40.00	1/4	351.05	1/4	709.49	1/4	1,075.52	1/4	1,442.01	1/4	1,808.53	1/4	2,168.80	1/4	2,535.24	1/4	2,901.68	1/4	3,267.97
1/2	45.31	1/2	358.12	1/2	717.12	1/2	1,083.15	1/2	1,449.65	1/2	1,816.16	1/2	2,176.43	1/2	2,542.87	1/2	2,909.31	1/2	3,275.60
3/4	50.61	3/4	365.19	3/4	724.76	3/4	1,090.78	3/4	1,457.29	3/4	1,823.80	3/4	2,184.06	3/4	2,550.51	3/4	2,916.95	3/4	3,283.23
2	55.92	2	372.27	2	732.39	2	1,098.41	2	1,464.92	2	1,831.44	2	2,191.70	2	2,558.14	2	2,924.58	2	3,290.86
1/4	62.00	1/4	379.42	1/4	740.03	1/4	1,106.04	1/4	1,472.56	1/4	1,839.07	1/4	2,199.33	1/4	2,565.77	1/4	2,932.22	1/4	3,298.49
1/2	68.09	1/2	386.58	1/2	747.66	1/2	1,113.68	1/2	1,480.19	1/2	1,846.71	1/2	2,206.97	1/2	2,573.41	1/2	2,939.85	1/2	3,306.12
3/4	74.17	3/4	393.74	3/4	755.30	3/4	1,121.32	3/4	1,487.83	3/4	1,854.34	3/4	2,214.60	3/4	2,581.04	3/4	2,947.48	3/4	3,313.75
3	80.26	3	400.90	3	762.94	3	1,128.95	3	1,495.46	3	1,861.98	3	2,222.24	3	2,588.68	3	2,955.12	3	3,321.38
1/4	86.45	1/4	408.14	1/4	770.57	1/4	1,136.59	1/4	1,503.10	1/4	1,869.60	1/4	2,229.87	1/4	2,596.31	1/4	2,962.75	1/4	3,329.01
1/2	92.65	1/2	415.39	1/2	778.20	1/2	1,144.22	1/2	1,510.74	1/2	1,877.23	1/2	2,237.50	1/2	2,603.95	1/2	2,970.39	1/2	3,336.64
3/4	98.84	3/4	422.63	3/4	785.83	3/4	1,151.86	3/4	1,518.37	3/4	1,884.86	3/4	2,245.14	3/4	2,611.58	3/4	2,978.02	3/4	3,344.27
4	105.04	4	429.88	4	793.46	4	1,159.49	4	1,526.01	4	1,892.48	4	2,252.77	4	2,619.21	4	2,985.65	4	3,351.90
1/4	111.33	1/4	437.21	1/4	801.09	1/4	1,167.13	1/4	1,533.64	1/4	1,900.08	1/4	2,260.41	1/4	2,626.85	1/4	2,993.28	1/4	3,359.53
1/2	117.62	1/2	444.54	1/2	808.71	1/2	1,174.77	1/2	1,541.28	1/2	1,907.68	1/2	2,268.04	1/2	2,634.48	1/2	3,000.91	1/2	3,367.16
3/4	123.91	3/4	451.87	3/4	816.33	3/4	1,182.40	3/4	1,548.91	3/4	1,915.28	3/4	2,275.67	3/4	2,642.12	3/4	3,008.54	3/4	3,374.79
5	130.20	5	459.21	5	823.95	5	1,190.04	5	1,556.55	5	1,922.88	5	2,283.31	5	2,649.75	5	3,016.18	5	3,382.42
1/4	136.57	1/4	466.62	1/4	831.57	1/4	1,197.67	1/4	1,564.19	1/4	1,930.48	1/4	2,290.94	1/4	2,657.38	1/4	3,023.81	1/4	3,390.05
1/2	142.95	1/2	474.04	1/2	839.20	1/2	1,205.31	1/2	1,571.82	1/2	1,938.08	1/2	2,298.58	1/2	2,665.02	1/2	3,031.44	1/2	3,397.69
3/4	149.33	3/4	481.46	3/4	846.82	3/4	1,212.94	3/4	1,579.46	3/4	1,945.68	3/4	2,306.21	3/4	2,672.65	3/4	3,039.07	3/4	3,405.32
6	155.70	6	488.88	6	854.44	6	1,220.58	6	1,587.09	6	1,953.28	6	2,313.85	6	2,680.29	6	3,046.70	6	3,412.95
1/4	162.17	1/4	496.38	1/4	862.06	1/4	1,228.22	1/4	1,594.73	1/4	1,960.71	1/4	2,321.48	1/4	2,687.92	1/4	3,054.33	1/4	3,420.58
1/2	168.63	1/2	503.89	1/2	869.68	1/2	1,235.85	1/2	1,602.36	1/2	1,968.14	1/2	2,329.11	1/2	2,695.56	1/2	3,061.96	1/2	3,428.21
3/4	175.09	3/4	511.39	3/4	877.30	3/4	1,243.49	3/4	1,610.00	3/4	1,975.57	3/4	2,336.75	3/4	2,703.19	3/4	3,069.59	3/4	3,435.84
7	181.56	7	518.89	7	884.93	7	1,251.12	7	1,617.64	7	1,983.00	7	2,344.38	7	2,710.82	7	3,077.22	7	3,443.47
1/4	188.11	1/4	526.47	1/4	892.55	1/4	1,258.76	1/4	1,625.27	1/4	1,989.91	1/4	2,352.02	1/4	2,718.46	1/4	3,084.85	1/4	3,451.10
1/2	194.66	1/2	534.05	1/2	900.17	1/2	1,266.39	1/2	1,632.91	1/2	1,996.82	1/2	2,359.65	1/2	2,726.09	1/2	3,092.48	1/2	3,458.73
3/4	201.21	3/4	541.62	3/4	907.79	3/4	1,274.03	3/4	1,640.54	3/4	2,003.73	3/4	2,367.29	3/4	2,733.73	3/4	3,100.11	3/4	3,466.36
8	207.76	8	549.20	8	915.41	8	1,281.67	8	1,648.18	8	2,010.64	8	2,374.92	8	2,741.36	8	3,107.74	8	3,473.99
1/4	214.40	1/4	556.82	1/4	923.04	1/4	1,289.30	1/4	1,655.81	1/4	2,017.74	1/4	2,382.55	1/4	2,749.00	1/4	3,115.37	1/4	3,481.62
1/2	221.04	1/2	564.44	1/2	930.66	1/2	1,296.94	1/2	1,663.45	1/2	2,024.83	1/2	2,390.19	1/2	2,756.63	1/2	3,123.00	1/2	3,489.25
3/4	227.67	3/4	572.06	3/4	938.28	3/4	1,304.57	3/4	1,671.09	3/4	2,031.92	3/4	2,397.82	3/4	2,764.26	3/4	3,130.63	3/4	3,496.88
9	234.31	9	579.69	9	945.90	9	1,312.21	9	1,678.72	9	2,039.01	9	2,405.46	9	2,771.90	9	3,138.26	9	3,504.51
1/4	241.03	1/4	587.32	1/4	953.52	1/4	1,319.84	1/4	1,686.36	1/4	2,046.65	1/4	2,413.09	1/4	2,779.53	1/4	3,145.89	1/4	3,512.14
1/2	247.76	1/2	594.96	1/2	961.14	1/2	1,327.48	1/2	1,693.99	1/2	2,054.28	1/2	2,420.72	1/2	2,787.17	1/2	3,153.52	1/2	3,519.77
3/4	254.48	3/4	602.59	3/4	968.77	3/4	1,335.12	3/4	1,701.63	3/4	2,061.92	3/4	2,428.36	3/4	2,794.80	3/4	3,161.15	3/4	3,527.40
10	261.21	10	610.23	10	976.39	10	1,342.75	10	1,709.26	10	2,069.55	10	2,435.99	10	2,802.43	10	3,168.78	10	3,535.03
1/4	268.02	1/4	617.86	1/4	984.01	1/4	1,350.39	1/4	1,716.90	1/4	2,077.19	1/4	2,443.63	1/4	2,810.07	1/4	3,176.41	1/4	3,542.66
1/2	274.83	1/2	625.50	1/2	991.63	1/2	1,358.02	1/2	1,724.54	1/2	2,084.82	1/2	2,451.26	1/2	2,817.70	1/2	3,184.04	1/2	3,550.29
3/4	281.64	3/4	633.13	3/4	999.25	3/4	1,365.66	3/4	1,732.17	3/4	2,092.45	3/4	2,458.90	3/4	2,825.34	3/4	3,191.67	3/4	3,557.92
11	288.45	11	640.77	11	1,006.88	11	1,373.29	11	1,739.81	11	2,100.09	11	2,466.53	11	2,832.97	11	3,199.30	11	3,565.55
1/4	295.35	1/4	648.40	1/4	1,014.50	1/4	1,380.93	1/4	1,747.44	1/4	2,107.72	1/4	2,474.16	1/4	2,840.61	1/4	3,206.93	1/4	3,573.18
1/2	302.25	1/2	656.04	1/2	1,022.12	1/2	1,388.56	1/2	1,755.08	1/2	2,115.36	1/2	2,481.80	1/2	2,848.24	1/2	3,214.56	1/2	3,580.81
3/4	309.14	3/4	663.68	3/4	1,029.75	3/4	1,396.20	3/4	1,762.71	3/4	2,122.99	3/4	2,489.43	3/4	2,855.87	3/4	3,222.19	3/4	3,588.44

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

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

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

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



BARGE "CTCo 333"

1 STBD INNAGE 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	3,596.07	0	3,962.32	0	4,325.95	0	4,671.09	0	5,003.40	0		0		0		0		0	
1/4	3,603.70	1/4	3,969.95	1/4	4,333.35	1/4	4,678.04	1/4	5,010.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,611.33	1/2	3,977.58	1/2	4,340.75	1/2	4,685.00	1/2	5,018.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,618.96	3/4	3,985.21	3/4	4,348.15	3/4	4,691.95	3/4	5,026.12	3/4		3/4		3/4		3/4		3/4	
1	3,626.59	1	3,992.84	1	4,355.55	1	4,698.91	1	5,033.69	1		1		1		1		1	
1/4	3,634.22	1/4	4,000.47	1/4	4,362.91	1/4	4,705.82	1/4	5,041.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,641.85	1/2	4,008.10	1/2	4,370.28	1/2	4,712.73	1/2	5,048.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,649.48	3/4	4,015.73	3/4	4,377.64	3/4	4,719.64	3/4	5,055.84	3/4		3/4		3/4		3/4		3/4	
2	3,657.11	2	4,023.36	2	4,385.01	2	4,726.55	2	5,063.23	2		2		2		2		2	
1/4	3,664.74	1/4	4,030.99	1/4	4,392.33	1/4	4,733.40	1/4	5,069.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,672.37	1/2	4,038.62	1/2	4,399.66	1/2	4,740.25	1/2	5,076.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,680.00	3/4	4,046.25	3/4	4,406.98	3/4	4,747.09	3/4	5,082.51	3/4		3/4		3/4		3/4		3/4	
3	3,687.63	3	4,053.88	3	4,414.31	3	4,753.94	3	5,088.94	3		3		3		3		3	
1/4	3,695.26	1/4	4,061.51	1/4	4,421.58	1/4	4,760.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,702.89	1/2	4,069.14	1/2	4,428.86	1/2	4,767.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,710.52	3/4	4,076.77	3/4	4,436.13	3/4	4,774.38	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,718.15	4	4,084.40	4	4,443.40	4	4,781.20	4		4		4		4		4		4	
1/4	3,725.78	1/4	4,092.03	1/4	4,450.64	1/4	4,787.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,733.41	1/2	4,099.66	1/2	4,457.87	1/2	4,794.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,741.04	3/4	4,107.29	3/4	4,465.10	3/4	4,801.54	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,748.67	5	4,114.92	5	4,472.34	5	4,808.32	5		5		5		5		5		5	
1/4	3,756.30	1/4	4,122.55	1/4	4,479.54	1/4	4,815.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,763.93	1/2	4,130.18	1/2	4,486.74	1/2	4,821.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,771.56	3/4	4,137.80	3/4	4,493.94	3/4	4,828.56	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,779.20	6	4,145.43	6	4,501.14	6	4,835.31	6		6		6		6		6		6	
1/4	3,786.83	1/4	4,153.04	1/4	4,508.30	1/4	4,842.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,794.46	1/2	4,160.65	1/2	4,515.47	1/2	4,848.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,802.09	3/4	4,168.26	3/4	4,522.63	3/4	4,855.44	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,809.72	7	4,175.87	7	4,529.80	7	4,862.15	7		7		7		7		7		7	
1/4	3,817.35	1/4	4,183.44	1/4	4,536.93	1/4	4,868.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,824.98	1/2	4,191.02	1/2	4,544.06	1/2	4,875.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,832.61	3/4	4,198.59	3/4	4,551.20	3/4	4,882.17	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,840.24	8	4,206.17	8	4,558.33	8	4,888.84	8		8		8		8		8		8	
1/4	3,847.87	1/4	4,213.71	1/4	4,565.43	1/4	4,895.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,855.50	1/2	4,221.25	1/2	4,572.52	1/2	4,902.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,863.13	3/4	4,228.80	3/4	4,579.62	3/4	4,908.76	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,870.76	9	4,236.34	9	4,586.72	9	4,915.40	9		9		9		9		9		9	
1/4	3,878.39	1/4	4,243.84	1/4	4,593.79	1/4	4,922.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,886.02	1/2	4,251.35	1/2	4,600.85	1/2	4,929.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,893.65	3/4	4,258.86	3/4	4,607.92	3/4	4,935.97	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,901.28	10	4,266.36	10	4,614.98	10	4,942.82	10		10		10		10		10		10	
1/4	3,908.91	1/4	4,273.83	1/4	4,622.01	1/4	4,950.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,916.54	1/2	4,281.29	1/2	4,629.04	1/2	4,957.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,924.17	3/4	4,288.76	3/4	4,636.07	3/4	4,965.54	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,931.80	11	4,296.23	11	4,643.10	11	4,973.11	11		11		11		11		11		11	
1/4	3,939.43	1/4	4,303.66	1/4	4,650.10	1/4	4,980.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,947.06	1/2	4,311.09	1/2	4,657.10	1/2	4,988.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,954.69	3/4	4,318.52	3/4	4,664.09	3/4	4,995.83	3/4		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 INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	19.21	0	351.90	0	696.45	0	1,030.96	0	1,371.16	0	1,715.72	0	2,054.39	0	2,398.88	0	2,743.37	0	3,087.73
1/4	24.14	1/4	359.08	1/4	703.63	1/4	1,037.84	1/4	1,378.34	1/4	1,722.90	1/4	2,061.57	1/4	2,406.06	1/4	2,750.55	1/4	3,094.90
1/2	29.08	1/2	366.26	1/2	710.81	1/2	1,044.72	1/2	1,385.52	1/2	1,730.08	1/2	2,068.75	1/2	2,413.24	1/2	2,757.73	1/2	3,102.07
3/4	34.01	3/4	373.44	3/4	717.99	3/4	1,051.60	3/4	1,392.70	3/4	1,737.26	3/4	2,075.92	3/4	2,420.41	3/4	2,764.90	3/4	3,109.25
1	38.95	1	380.61	1	725.16	1	1,058.48	1	1,399.88	1	1,744.44	1	2,083.10	1	2,427.59	1	2,772.08	1	3,116.42
1/4	45.44	1/4	387.79	1/4	732.34	1/4	1,065.36	1/4	1,407.05	1/4	1,751.61	1/4	2,090.28	1/4	2,434.77	1/4	2,779.26	1/4	3,123.59
1/2	51.94	1/2	394.97	1/2	739.52	1/2	1,072.25	1/2	1,414.23	1/2	1,758.79	1/2	2,097.45	1/2	2,441.94	1/2	2,786.44	1/2	3,130.76
3/4	58.43	3/4	402.15	3/4	746.70	3/4	1,079.13	3/4	1,421.41	3/4	1,765.97	3/4	2,104.63	3/4	2,449.12	3/4	2,793.61	3/4	3,137.94
2	64.93	2	409.33	2	753.88	2	1,086.02	2	1,428.59	2	1,773.15	2	2,111.81	2	2,456.30	2	2,800.79	2	3,145.11
1/4	72.08	1/4	416.51	1/4	761.05	1/4	1,092.91	1/4	1,435.77	1/4	1,780.33	1/4	2,118.98	1/4	2,463.48	1/4	2,807.97	1/4	3,152.28
1/2	79.23	1/2	423.68	1/2	768.23	1/2	1,099.81	1/2	1,442.95	1/2	1,787.50	1/2	2,126.16	1/2	2,470.65	1/2	2,815.14	1/2	3,159.45
3/4	86.38	3/4	430.86	3/4	775.41	3/4	1,106.70	3/4	1,450.12	3/4	1,794.68	3/4	2,133.34	3/4	2,477.83	3/4	2,822.32	3/4	3,166.63
3	93.53	3	438.04	3	782.59	3	1,113.60	3	1,457.30	3	1,801.86	3	2,140.51	3	2,485.01	3	2,829.50	3	3,173.80
1/4	100.70	1/4	445.22	1/4	789.69	1/4	1,120.56	1/4	1,464.48	1/4	1,809.03	1/4	2,147.69	1/4	2,492.18	1/4	2,836.67	1/4	3,180.97
1/2	107.87	1/2	452.40	1/2	796.79	1/2	1,127.53	1/2	1,471.66	1/2	1,816.20	1/2	2,154.87	1/2	2,499.36	1/2	2,843.85	1/2	3,188.15
3/4	115.04	3/4	459.57	3/4	803.89	3/4	1,134.49	3/4	1,478.84	3/4	1,823.37	3/4	2,162.05	3/4	2,506.54	3/4	2,851.02	3/4	3,195.32
4	122.21	4	466.75	4	811.00	4	1,141.46	4	1,486.02	4	1,830.54	4	2,169.22	4	2,513.71	4	2,858.20	4	3,202.49
1/4	129.38	1/4	473.93	1/4	817.87	1/4	1,148.64	1/4	1,493.19	1/4	1,837.68	1/4	2,176.40	1/4	2,520.89	1/4	2,865.37	1/4	3,209.66
1/2	136.56	1/2	481.11	1/2	824.74	1/2	1,155.81	1/2	1,500.37	1/2	1,844.83	1/2	2,183.58	1/2	2,528.07	1/2	2,872.54	1/2	3,216.84
3/4	143.74	3/4	488.29	3/4	831.62	3/4	1,162.99	3/4	1,507.55	3/4	1,851.97	3/4	2,190.75	3/4	2,535.24	3/4	2,879.72	3/4	3,224.01
5	150.92	5	495.46	5	838.49	5	1,170.17	5	1,514.73	5	1,859.11	5	2,197.93	5	2,542.42	5	2,886.89	5	3,231.18
1/4	158.09	1/4	502.64	1/4	845.36	1/4	1,177.35	1/4	1,521.91	1/4	1,866.26	1/4	2,205.11	1/4	2,549.60	1/4	2,894.06	1/4	3,238.36
1/2	165.27	1/2	509.82	1/2	852.24	1/2	1,184.53	1/2	1,529.09	1/2	1,873.40	1/2	2,212.28	1/2	2,556.77	1/2	2,901.23	1/2	3,245.53
3/4	172.45	3/4	517.00	3/4	859.11	3/4	1,191.71	3/4	1,536.26	3/4	1,880.54	3/4	2,219.46	3/4	2,563.95	3/4	2,908.41	3/4	3,252.70
6	179.63	6	524.18	6	865.98	6	1,198.88	6	1,543.44	6	1,887.68	6	2,226.64	6	2,571.13	6	2,915.58	6	3,259.87
1/4	186.81	1/4	531.35	1/4	872.86	1/4	1,206.06	1/4	1,550.62	1/4	1,894.67	1/4	2,233.81	1/4	2,578.31	1/4	2,922.75	1/4	3,267.05
1/2	193.98	1/2	538.53	1/2	879.73	1/2	1,213.24	1/2	1,557.80	1/2	1,901.65	1/2	2,240.99	1/2	2,585.48	1/2	2,929.93	1/2	3,274.22
3/4	201.16	3/4	545.71	3/4	886.60	3/4	1,220.42	3/4	1,564.98	3/4	1,908.63	3/4	2,248.17	3/4	2,592.66	3/4	2,937.10	3/4	3,281.39
7	208.34	7	552.89	7	893.48	7	1,227.60	7	1,572.16	7	1,915.61	7	2,255.35	7	2,599.84	7	2,944.27	7	3,288.57
1/4	215.52	1/4	560.07	1/4	900.35	1/4	1,234.78	1/4	1,579.33	1/4	1,922.11	1/4	2,262.52	1/4	2,607.01	1/4	2,951.44	1/4	3,295.74
1/2	222.70	1/2	567.25	1/2	907.22	1/2	1,241.95	1/2	1,586.51	1/2	1,928.60	1/2	2,269.70	1/2	2,614.19	1/2	2,958.62	1/2	3,302.91
3/4	229.87	3/4	574.42	3/4	914.10	3/4	1,249.13	3/4	1,593.69	3/4	1,935.10	3/4	2,276.88	3/4	2,621.37	3/4	2,965.79	3/4	3,310.08
8	237.05	8	581.60	8	920.97	8	1,256.31	8	1,600.87	8	1,941.60	8	2,284.05	8	2,628.54	8	2,972.96	8	3,317.26
1/4	244.23	1/4	588.78	1/4	927.85	1/4	1,263.49	1/4	1,608.05	1/4	1,948.27	1/4	2,291.23	1/4	2,635.72	1/4	2,980.13	1/4	3,324.43
1/2	251.41	1/2	595.96	1/2	934.72	1/2	1,270.67	1/2	1,615.23	1/2	1,954.93	1/2	2,298.41	1/2	2,642.90	1/2	2,987.31	1/2	3,331.60
3/4	258.59	3/4	603.14	3/4	941.59	3/4	1,277.85	3/4	1,622.40	3/4	1,961.60	3/4	2,305.58	3/4	2,650.07	3/4	2,994.48	3/4	3,338.77
9	265.77	9	610.31	9	948.47	9	1,285.02	9	1,629.58	9	1,968.27	9	2,312.76	9	2,657.25	9	3,001.65	9	3,345.95
1/4	272.94	1/4	617.49	1/4	955.34	1/4	1,292.20	1/4	1,636.76	1/4	1,975.45	1/4	2,319.94	1/4	2,664.43	1/4	3,008.83	1/4	3,353.12
1/2	280.12	1/2	624.67	1/2	962.21	1/2	1,299.38	1/2	1,643.94	1/2	1,982.62	1/2	2,327.11	1/2	2,671.61	1/2	3,016.00	1/2	3,360.29
3/4	287.30	3/4	631.85	3/4	969.09	3/4	1,306.56	3/4	1,651.12	3/4	1,989.80	3/4	2,334.29	3/4	2,678.78	3/4	3,023.17	3/4	3,367.47
10	294.48	10	639.03	10	975.96	10	1,313.74	10	1,658.30	10	1,996.98	10	2,341.47	10	2,685.96	10	3,030.34	10	3,374.64
1/4	301.66	1/4	646.20	1/4	982.83	1/4	1,320.92	1/4	1,665.47	1/4	2,004.15	1/4	2,348.64	1/4	2,693.14	1/4	3,037.52	1/4	3,381.81
1/2	308.83	1/2	653.38	1/2	989.71	1/2	1,328.09	1/2	1,672.65	1/2	2,011.33	1/2	2,355.82	1/2	2,700.31	1/2	3,044.69	1/2	3,388.98
3/4	316.01	3/4	660.56	3/4	996.58	3/4	1,335.27	3/4	1,679.83	3/4	2,018.51	3/4	2,363.00	3/4	2,707.49	3/4	3,051.86	3/4	3,396.16
11	323.19	11	667.74	11	1,003.45	11	1,342.45	11	1,687.01	11	2,025.68	11	2,370.18	11	2,714.67	11	3,059.04	11	3,403.33
1/4	330.37	1/4	674.92	1/4	1,010.33	1/4	1,349.63	1/4	1,694.19	1/4	2,032.86	1/4	2,377.35	1/4	2,721.84	1/4	3,066.21	1/4	3,410.50
1/2	337.55	1/2	682.09	1/2	1,017.20	1/2	1,356.81	1/2	1,701.37	1/2	2,040.04	1/2	2,384.53	1/2	2,729.02	1/2	3,073.38	1/2	3,417.68
3/4	344.72	3/4	689.27	3/4	1,024.08	3/4	1,363.99	3/4	1,708.54	3/4	2,047.21	3/4	2,391.71	3/4	2,736.20	3/4	3,080.55	3/4	3,424.85

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

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

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



BARGE "CTCo 333"

2 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	3,432.02	0	3,776.32	0	4,118.16	0	4,442.54	0	4,754.77	0		0		0		0		0	
1/4	3,439.19	1/4	3,783.49	1/4	4,125.11	1/4	4,449.08	1/4	4,761.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,446.37	1/2	3,790.66	1/2	4,132.07	1/2	4,455.62	1/2	4,769.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,453.54	3/4	3,797.83	3/4	4,139.02	3/4	4,462.15	3/4	4,776.12	3/4		3/4		3/4		3/4		3/4	
1	3,460.71	1	3,805.01	1	4,145.98	1	4,468.69	1	4,783.23	1		1		1		1		1	
1/4	3,467.89	1/4	3,812.18	1/4	4,152.90	1/4	4,475.18	1/4	4,790.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,475.06	1/2	3,819.35	1/2	4,159.82	1/2	4,481.68	1/2	4,797.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,482.23	3/4	3,826.53	3/4	4,166.75	3/4	4,488.17	3/4	4,804.04	3/4		3/4		3/4		3/4		3/4	
2	3,489.40	2	3,833.70	2	4,173.67	2	4,494.67	2	4,810.98	2		2		2		2		2	
1/4	3,496.58	1/4	3,840.87	1/4	4,180.56	1/4	4,501.10	1/4	4,817.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,503.75	1/2	3,848.04	1/2	4,187.44	1/2	4,507.54	1/2	4,823.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,510.92	3/4	3,855.22	3/4	4,194.33	3/4	4,513.97	3/4	4,829.10	3/4		3/4		3/4		3/4		3/4	
3	3,518.09	3	3,862.39	3	4,201.21	3	4,520.40	3	4,835.14	3		3		3		3		3	
1/4	3,525.27	1/4	3,869.56	1/4	4,208.05	1/4	4,526.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,532.44	1/2	3,876.73	1/2	4,214.89	1/2	4,533.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,539.61	3/4	3,883.91	3/4	4,221.72	3/4	4,539.61	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,546.79	4	3,891.08	4	4,228.56	4	4,546.01	4		4		4		4		4		4	
1/4	3,553.96	1/4	3,898.25	1/4	4,235.36	1/4	4,552.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,561.13	1/2	3,905.43	1/2	4,242.16	1/2	4,558.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,568.30	3/4	3,912.60	3/4	4,248.95	3/4	4,565.12	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,575.48	5	3,919.77	5	4,255.75	5	4,571.49	5		5		5		5		5		5	
1/4	3,582.65	1/4	3,926.94	1/4	4,262.52	1/4	4,577.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,589.82	1/2	3,934.11	1/2	4,269.29	1/2	4,584.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,597.00	3/4	3,941.29	3/4	4,276.05	3/4	4,590.50	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,604.17	6	3,948.46	6	4,282.82	6	4,596.84	6		6		6		6		6		6	
1/4	3,611.34	1/4	3,955.61	1/4	4,289.55	1/4	4,603.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,618.51	1/2	3,962.76	1/2	4,296.29	1/2	4,609.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,625.69	3/4	3,969.92	3/4	4,303.02	3/4	4,615.75	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,632.86	7	3,977.07	7	4,309.76	7	4,622.06	7		7		7		7		7		7	
1/4	3,640.03	1/4	3,984.19	1/4	4,316.46	1/4	4,628.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,647.21	1/2	3,991.31	1/2	4,323.16	1/2	4,634.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,654.38	3/4	3,998.43	3/4	4,329.87	3/4	4,640.86	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,661.55	8	4,005.56	8	4,336.57	8	4,647.13	8		8		8		8		8		8	
1/4	3,668.72	1/4	4,012.65	1/4	4,343.24	1/4	4,653.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,675.90	1/2	4,019.74	1/2	4,349.91	1/2	4,659.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,683.07	3/4	4,026.83	3/4	4,356.58	3/4	4,665.85	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,690.24	9	4,033.91	9	4,363.26	9	4,672.09	9		9		9		9		9		9	
1/4	3,697.41	1/4	4,040.97	1/4	4,369.90	1/4	4,678.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,704.59	1/2	4,048.03	1/2	4,376.54	1/2	4,684.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,711.76	3/4	4,055.08	3/4	4,383.18	3/4	4,691.41	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,718.93	10	4,062.14	10	4,389.81	10	4,697.85	10		10		10		10		10		10	
1/4	3,726.11	1/4	4,069.16	1/4	4,396.42	1/4	4,704.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,733.28	1/2	4,076.18	1/2	4,403.03	1/2	4,712.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,740.45	3/4	4,083.19	3/4	4,409.64	3/4	4,719.19	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,747.62	11	4,090.21	11	4,416.25	11	4,726.31	11		11		11		11		11		11	
1/4	3,754.80	1/4	4,097.20	1/4	4,422.82	1/4	4,733.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,761.97	1/2	4,104.19	1/2	4,429.40	1/2	4,740.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,769.14	3/4	4,111.17	3/4	4,435.97	3/4	4,747.65	3/4		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 STBD

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	19.20	0	351.81	0	696.27	0	1,040.32	0	1,384.75	0	1,729.22	0	2,067.81	0	2,412.21	0	2,756.61	0	3,100.89
1/4	24.14	1/4	358.99	1/4	703.44	1/4	1,047.49	1/4	1,391.93	1/4	1,736.39	1/4	2,074.99	1/4	2,419.39	1/4	2,763.79	1/4	3,108.06
1/2	29.07	1/2	366.16	1/2	710.62	1/2	1,054.66	1/2	1,399.10	1/2	1,743.57	1/2	2,082.16	1/2	2,426.56	1/2	2,770.96	1/2	3,115.23
3/4	34.00	3/4	373.34	3/4	717.80	3/4	1,061.83	3/4	1,406.28	3/4	1,750.75	3/4	2,089.34	3/4	2,433.74	3/4	2,778.14	3/4	3,122.40
1	38.94	1	380.52	1	724.97	1	1,069.01	1	1,413.46	1	1,757.92	1	2,096.51	1	2,440.91	1	2,785.31	1	3,129.57
1/4	45.43	1/4	387.69	1/4	732.15	1/4	1,076.18	1/4	1,420.63	1/4	1,765.10	1/4	2,103.69	1/4	2,448.09	1/4	2,792.49	1/4	3,136.74
1/2	51.92	1/2	394.87	1/2	739.33	1/2	1,083.35	1/2	1,427.81	1/2	1,772.28	1/2	2,110.86	1/2	2,455.26	1/2	2,799.66	1/2	3,143.91
3/4	58.42	3/4	402.04	3/4	746.50	3/4	1,090.52	3/4	1,434.99	3/4	1,779.45	3/4	2,118.04	3/4	2,462.44	3/4	2,806.84	3/4	3,151.08
2	64.91	2	409.22	2	753.68	2	1,097.69	2	1,442.16	2	1,786.63	2	2,125.21	2	2,469.61	2	2,814.01	2	3,158.26
1/4	72.06	1/4	416.40	1/4	760.85	1/4	1,104.87	1/4	1,449.34	1/4	1,793.81	1/4	2,132.39	1/4	2,476.79	1/4	2,821.19	1/4	3,165.43
1/2	79.21	1/2	423.57	1/2	768.03	1/2	1,112.05	1/2	1,456.51	1/2	1,800.98	1/2	2,139.56	1/2	2,483.96	1/2	2,828.36	1/2	3,172.60
3/4	86.35	3/4	430.75	3/4	775.21	3/4	1,119.22	3/4	1,463.69	3/4	1,808.16	3/4	2,146.74	3/4	2,491.14	3/4	2,835.54	3/4	3,179.77
3	93.50	3	437.92	3	782.38	3	1,126.40	3	1,470.87	3	1,815.33	3	2,153.91	3	2,498.31	3	2,842.71	3	3,186.94
1/4	100.67	1/4	445.10	1/4	789.56	1/4	1,133.58	1/4	1,478.04	1/4	1,822.50	1/4	2,161.09	1/4	2,505.49	1/4	2,849.89	1/4	3,194.11
1/2	107.84	1/2	452.28	1/2	796.73	1/2	1,140.75	1/2	1,485.22	1/2	1,829.67	1/2	2,168.26	1/2	2,512.66	1/2	2,857.06	1/2	3,201.28
3/4	115.01	3/4	459.45	3/4	803.91	3/4	1,147.93	3/4	1,492.40	3/4	1,836.84	3/4	2,175.44	3/4	2,519.84	3/4	2,864.24	3/4	3,208.45
4	122.18	4	466.63	4	811.08	4	1,155.11	4	1,499.57	4	1,844.02	4	2,182.61	4	2,527.01	4	2,871.42	4	3,215.62
1/4	129.35	1/4	473.81	1/4	818.24	1/4	1,162.28	1/4	1,506.75	1/4	1,851.16	1/4	2,189.79	1/4	2,534.19	1/4	2,878.59	1/4	3,222.79
1/2	136.53	1/2	480.98	1/2	825.41	1/2	1,169.46	1/2	1,513.93	1/2	1,858.30	1/2	2,196.96	1/2	2,541.36	1/2	2,885.76	1/2	3,229.97
3/4	143.70	3/4	488.16	3/4	832.57	3/4	1,176.64	3/4	1,521.10	3/4	1,865.44	3/4	2,204.14	3/4	2,548.54	3/4	2,892.93	3/4	3,237.14
5	150.88	5	495.33	5	839.74	5	1,183.81	5	1,528.28	5	1,872.58	5	2,211.31	5	2,555.71	5	2,900.10	5	3,244.31
1/4	158.05	1/4	502.51	1/4	846.90	1/4	1,190.99	1/4	1,535.46	1/4	1,879.72	1/4	2,218.49	1/4	2,562.89	1/4	2,907.27	1/4	3,251.48
1/2	165.23	1/2	509.69	1/2	854.06	1/2	1,198.16	1/2	1,542.63	1/2	1,886.86	1/2	2,225.66	1/2	2,570.06	1/2	2,914.44	1/2	3,258.65
3/4	172.41	3/4	516.86	3/4	861.23	3/4	1,205.34	3/4	1,549.81	3/4	1,894.00	3/4	2,232.84	3/4	2,577.24	3/4	2,921.61	3/4	3,265.82
6	179.58	6	524.04	6	868.39	6	1,212.52	6	1,556.98	6	1,901.14	6	2,240.01	6	2,584.41	6	2,928.78	6	3,272.99
1/4	186.76	1/4	531.22	1/4	875.55	1/4	1,219.69	1/4	1,564.16	1/4	1,908.12	1/4	2,247.19	1/4	2,591.59	1/4	2,935.95	1/4	3,280.16
1/2	193.93	1/2	538.39	1/2	882.72	1/2	1,226.87	1/2	1,571.34	1/2	1,915.10	1/2	2,254.36	1/2	2,598.76	1/2	2,943.13	1/2	3,287.33
3/4	201.11	3/4	545.57	3/4	889.88	3/4	1,234.05	3/4	1,578.51	3/4	1,922.08	3/4	2,261.54	3/4	2,605.94	3/4	2,950.30	3/4	3,294.50
7	208.29	7	552.74	7	897.04	7	1,241.22	7	1,585.69	7	1,929.06	7	2,268.71	7	2,613.11	7	2,957.47	7	3,301.68
1/4	215.46	1/4	559.92	1/4	904.21	1/4	1,248.40	1/4	1,592.87	1/4	1,935.56	1/4	2,275.89	1/4	2,620.29	1/4	2,964.64	1/4	3,308.85
1/2	222.64	1/2	567.10	1/2	911.37	1/2	1,255.58	1/2	1,600.04	1/2	1,942.06	1/2	2,283.06	1/2	2,627.46	1/2	2,971.81	1/2	3,316.02
3/4	229.81	3/4	574.27	3/4	918.53	3/4	1,262.75	3/4	1,607.22	3/4	1,948.55	3/4	2,290.24	3/4	2,634.64	3/4	2,978.98	3/4	3,323.19
8	236.99	8	581.45	8	925.70	8	1,269.93	8	1,614.40	8	1,955.05	8	2,297.41	8	2,641.81	8	2,986.15	8	3,330.36
1/4	244.17	1/4	588.62	1/4	932.86	1/4	1,277.10	1/4	1,621.57	1/4	1,961.71	1/4	2,304.59	1/4	2,648.99	1/4	2,993.32	1/4	3,337.53
1/2	251.34	1/2	595.80	1/2	940.02	1/2	1,284.28	1/2	1,628.75	1/2	1,968.38	1/2	2,311.76	1/2	2,656.16	1/2	3,000.49	1/2	3,344.70
3/4	258.52	3/4	602.98	3/4	947.19	3/4	1,291.46	3/4	1,635.92	3/4	1,975.05	3/4	2,318.94	3/4	2,663.34	3/4	3,007.66	3/4	3,351.87
9	265.70	9	610.15	9	954.35	9	1,298.63	9	1,643.10	9	1,981.71	9	2,326.11	9	2,670.51	9	3,014.84	9	3,359.04
1/4	272.87	1/4	617.33	1/4	961.51	1/4	1,305.81	1/4	1,650.28	1/4	1,988.89	1/4	2,333.29	1/4	2,677.69	1/4	3,022.01	1/4	3,366.21
1/2	280.05	1/2	624.51	1/2	968.68	1/2	1,312.99	1/2	1,657.45	1/2	1,996.06	1/2	2,340.46	1/2	2,684.86	1/2	3,029.18	1/2	3,373.39
3/4	287.22	3/4	631.68	3/4	975.84	3/4	1,320.16	3/4	1,664.63	3/4	2,003.24	3/4	2,347.64	3/4	2,692.04	3/4	3,036.35	3/4	3,380.56
10	294.40	10	638.86	10	983.01	10	1,327.34	10	1,671.81	10	2,010.41	10	2,354.81	10	2,699.21	10	3,043.52	10	3,387.73
1/4	301.58	1/4	646.03	1/4	990.17	1/4	1,334.52	1/4	1,678.98	1/4	2,017.59	1/4	2,361.99	1/4	2,706.39	1/4	3,050.69	1/4	3,394.90
1/2	308.75	1/2	653.21	1/2	997.33	1/2	1,341.69	1/2	1,686.16	1/2	2,024.76	1/2	2,369.16	1/2	2,713.56	1/2	3,057.86	1/2	3,402.07
3/4	315.93	3/4	660.39	3/4	1,004.50	3/4	1,348.87	3/4	1,693.34	3/4	2,031.94	3/4	2,376.34	3/4	2,720.74	3/4	3,065.03	3/4	3,409.24
11	323.11	11	667.56	11	1,011.66	11	1,356.05	11	1,700.51	11	2,039.11	11	2,383.51	11	2,727.91	11	3,072.20	11	3,416.41
1/4	330.28	1/4	674.74	1/4	1,018.82	1/4	1,363.22	1/4	1,707.69	1/4	2,046.29	1/4	2,390.69	1/4	2,735.09	1/4	3,079.37	1/4	3,423.58
1/2	337.46	1/2	681.92	1/2	1,025.99	1/2	1,370.40	1/2	1,714.87	1/2	2,053.46	1/2	2,397.86	1/2	2,742.26	1/2	3,086.55	1/2	3,430.75
3/4	344.63	3/4	689.09	3/4	1,033.16	3/4	1,377.57	3/4	1,722.04	3/4	2,060.64	3/4	2,405.04	3/4	2,749.44	3/4	3,093.72	3/4	3,437.92

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 333"

2 STBD INNAGE 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	3,445.10	0	3,789.30	0	4,131.06	0	4,455.38	0	4,767.55	0		0		0		0		0	
1/4	3,452.27	1/4	3,796.47	1/4	4,138.01	1/4	4,461.92	1/4	4,774.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,459.44	1/2	3,803.65	1/2	4,144.97	1/2	4,468.45	1/2	4,781.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,466.61	3/4	3,810.82	3/4	4,151.92	3/4	4,474.99	3/4	4,788.90	3/4		3/4		3/4		3/4		3/4	
1	3,473.78	1	3,817.99	1	4,158.87	1	4,481.52	1	4,796.01	1		1		1		1		1	
1/4	3,480.95	1/4	3,825.16	1/4	4,165.79	1/4	4,488.02	1/4	4,802.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,488.12	1/2	3,832.33	1/2	4,172.72	1/2	4,494.51	1/2	4,809.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,495.29	3/4	3,839.50	3/4	4,179.64	3/4	4,501.00	3/4	4,816.81	3/4		3/4		3/4		3/4		3/4	
2	3,502.46	2	3,846.67	2	4,186.56	2	4,507.50	2	4,823.75	2		2		2		2		2	
1/4	3,509.63	1/4	3,853.84	1/4	4,193.44	1/4	4,513.93	1/4	4,829.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,516.81	1/2	3,861.01	1/2	4,200.33	1/2	4,520.36	1/2	4,835.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,523.98	3/4	3,868.18	3/4	4,207.21	3/4	4,526.79	3/4	4,841.86	3/4		3/4		3/4		3/4		3/4	
3	3,531.15	3	3,875.36	3	4,214.10	3	4,533.23	3	4,847.90	3		3		3		3		3	
1/4	3,538.32	1/4	3,882.53	1/4	4,220.93	1/4	4,539.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,545.49	1/2	3,889.70	1/2	4,227.77	1/2	4,546.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,552.66	3/4	3,896.87	3/4	4,234.60	3/4	4,552.43	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,559.83	4	3,904.04	4	4,241.44	4	4,558.83	4		4		4		4		4		4	
1/4	3,567.00	1/4	3,911.21	1/4	4,248.23	1/4	4,565.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,574.17	1/2	3,918.38	1/2	4,255.03	1/2	4,571.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,581.34	3/4	3,925.55	3/4	4,261.83	3/4	4,577.94	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,588.52	5	3,932.72	5	4,268.62	5	4,584.30	5		5		5		5		5		5	
1/4	3,595.69	1/4	3,939.89	1/4	4,275.39	1/4	4,590.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,602.86	1/2	3,947.06	1/2	4,282.15	1/2	4,596.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,610.03	3/4	3,954.23	3/4	4,288.92	3/4	4,603.32	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,617.20	6	3,961.40	6	4,295.68	6	4,609.65	6		6		6		6		6		6	
1/4	3,624.37	1/4	3,968.55	1/4	4,302.42	1/4	4,615.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,631.54	1/2	3,975.70	1/2	4,309.15	1/2	4,622.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,638.71	3/4	3,982.85	3/4	4,315.88	3/4	4,628.56	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,645.88	7	3,990.00	7	4,322.62	7	4,634.87	7		7		7		7		7		7	
1/4	3,653.05	1/4	3,997.12	1/4	4,329.32	1/4	4,641.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,660.23	1/2	4,004.24	1/2	4,336.02	1/2	4,647.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,667.40	3/4	4,011.36	3/4	4,342.72	3/4	4,653.67	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,674.57	8	4,018.48	8	4,349.43	8	4,659.94	8		8		8		8		8		8	
1/4	3,681.74	1/4	4,025.57	1/4	4,356.10	1/4	4,666.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,688.91	1/2	4,032.66	1/2	4,362.77	1/2	4,672.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,696.08	3/4	4,039.75	3/4	4,369.44	3/4	4,678.65	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,703.25	9	4,046.84	9	4,376.11	9	4,684.89	9		9		9		9		9		9	
1/4	3,710.42	1/4	4,053.89	1/4	4,382.74	1/4	4,691.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,717.59	1/2	4,060.94	1/2	4,389.38	1/2	4,697.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,724.76	3/4	4,068.00	3/4	4,396.02	3/4	4,704.21	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,731.94	10	4,075.05	10	4,402.66	10	4,710.65	10		10		10		10		10		10	
1/4	3,739.11	1/4	4,082.07	1/4	4,409.27	1/4	4,717.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,746.28	1/2	4,089.09	1/2	4,415.87	1/2	4,724.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,753.45	3/4	4,096.10	3/4	4,422.48	3/4	4,731.99	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,760.62	11	4,103.12	11	4,429.09	11	4,739.10	11		11		11		11		11		11	
1/4	3,767.79	1/4	4,110.10	1/4	4,435.66	1/4	4,746.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,774.96	1/2	4,117.09	1/2	4,442.23	1/2	4,753.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,782.13	3/4	4,124.07	3/4	4,448.81	3/4	4,760.44	3/4		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 INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	20.30	0	371.89	0	735.86	0	1,092.13	0	1,452.68	0	1,816.47	0	2,171.98	0	2,533.52	0	2,896.99	0	3,260.27
1/4	25.52	1/4	379.47	1/4	743.44	1/4	1,099.49	1/4	1,460.26	1/4	1,824.05	1/4	2,179.49	1/4	2,541.10	1/4	2,904.56	1/4	3,267.83
1/2	30.74	1/2	387.05	1/2	751.02	1/2	1,106.85	1/2	1,467.84	1/2	1,831.63	1/2	2,187.01	1/2	2,548.67	1/2	2,912.13	1/2	3,275.40
3/4	35.96	3/4	394.63	3/4	758.61	3/4	1,114.20	3/4	1,475.42	3/4	1,839.21	3/4	2,194.52	3/4	2,556.25	3/4	2,919.70	3/4	3,282.97
1	41.19	1	402.21	1	766.19	1	1,121.56	1	1,483.00	1	1,846.79	1	2,202.04	1	2,563.83	1	2,927.27	1	3,290.54
1/4	48.06	1/4	409.80	1/4	773.77	1/4	1,128.92	1/4	1,490.58	1/4	1,854.36	1/4	2,209.55	1/4	2,571.41	1/4	2,934.84	1/4	3,298.10
1/2	54.93	1/2	417.38	1/2	781.35	1/2	1,136.28	1/2	1,498.16	1/2	1,861.94	1/2	2,217.06	1/2	2,578.98	1/2	2,942.41	1/2	3,305.66
3/4	61.80	3/4	424.96	3/4	788.94	3/4	1,143.64	3/4	1,505.73	3/4	1,869.52	3/4	2,224.58	3/4	2,586.56	3/4	2,949.98	3/4	3,313.22
2	68.68	2	432.54	2	796.52	2	1,151.00	2	1,513.31	2	1,877.10	2	2,232.09	2	2,594.14	2	2,957.55	2	3,320.79
1/4	76.24	1/4	440.12	1/4	804.10	1/4	1,158.37	1/4	1,520.89	1/4	1,884.68	1/4	2,239.61	1/4	2,601.72	1/4	2,965.12	1/4	3,328.33
1/2	83.80	1/2	447.70	1/2	811.69	1/2	1,165.73	1/2	1,528.47	1/2	1,892.26	1/2	2,247.12	1/2	2,609.29	1/2	2,972.69	1/2	3,335.88
3/4	91.37	3/4	455.29	3/4	819.27	3/4	1,173.10	3/4	1,536.05	3/4	1,899.84	3/4	2,254.64	3/4	2,616.87	3/4	2,980.26	3/4	3,343.43
3	98.93	3	462.87	3	826.85	3	1,180.47	3	1,543.63	3	1,907.42	3	2,262.15	3	2,624.45	3	2,987.83	3	3,350.97
1/4	106.51	1/4	470.45	1/4	834.38	1/4	1,187.89	1/4	1,551.21	1/4	1,914.97	1/4	2,269.67	1/4	2,632.02	1/4	2,995.40	1/4	3,358.52
1/2	114.09	1/2	478.03	1/2	841.90	1/2	1,195.31	1/2	1,558.79	1/2	1,922.52	1/2	2,277.19	1/2	2,639.60	1/2	3,002.97	1/2	3,366.07
3/4	121.67	3/4	485.61	3/4	849.42	3/4	1,202.74	3/4	1,566.37	3/4	1,930.08	3/4	2,284.71	3/4	2,647.17	3/4	3,010.54	3/4	3,373.61
4	129.25	4	493.20	4	856.95	4	1,210.16	4	1,573.94	4	1,937.63	4	2,292.24	4	2,654.75	4	3,018.11	4	3,381.16
1/4	136.83	1/4	500.78	1/4	864.30	1/4	1,217.74	1/4	1,581.52	1/4	1,945.11	1/4	2,299.77	1/4	2,662.32	1/4	3,025.68	1/4	3,388.71
1/2	144.42	1/2	508.36	1/2	871.65	1/2	1,225.32	1/2	1,589.10	1/2	1,952.59	1/2	2,307.31	1/2	2,669.89	1/2	3,033.25	1/2	3,396.25
3/4	152.00	3/4	515.95	3/4	879.00	3/4	1,232.89	3/4	1,596.68	3/4	1,960.07	3/4	2,314.85	3/4	2,677.46	3/4	3,040.81	3/4	3,403.80
5	159.58	5	523.53	5	886.35	5	1,240.47	5	1,604.26	5	1,967.55	5	2,322.39	5	2,685.03	5	3,048.38	5	3,411.35
1/4	167.17	1/4	531.11	1/4	893.69	1/4	1,248.05	1/4	1,611.84	1/4	1,975.03	1/4	2,329.93	1/4	2,692.60	1/4	3,055.95	1/4	3,418.89
1/2	174.75	1/2	538.70	1/2	901.04	1/2	1,255.63	1/2	1,619.42	1/2	1,982.51	1/2	2,337.47	1/2	2,700.17	1/2	3,063.52	1/2	3,426.44
3/4	182.33	3/4	546.28	3/4	908.39	3/4	1,263.21	3/4	1,627.00	3/4	1,989.99	3/4	2,345.01	3/4	2,707.74	3/4	3,071.08	3/4	3,433.99
6	189.92	6	553.86	6	915.74	6	1,270.79	6	1,634.58	6	1,997.47	6	2,352.55	6	2,715.31	6	3,078.65	6	3,441.53
1/4	197.50	1/4	561.44	1/4	923.09	1/4	1,278.37	1/4	1,642.15	1/4	2,004.78	1/4	2,360.09	1/4	2,722.88	1/4	3,086.22	1/4	3,449.08
1/2	205.08	1/2	569.03	1/2	930.44	1/2	1,285.95	1/2	1,649.73	1/2	2,012.09	1/2	2,367.62	1/2	2,730.45	1/2	3,093.78	1/2	3,456.63
3/4	212.67	3/4	576.61	3/4	937.79	3/4	1,293.53	3/4	1,657.31	3/4	2,019.40	3/4	2,375.16	3/4	2,738.02	3/4	3,101.35	3/4	3,464.17
7	220.25	7	584.19	7	945.14	7	1,301.10	7	1,664.89	7	2,026.71	7	2,382.70	7	2,745.59	7	3,108.92	7	3,471.72
1/4	227.83	1/4	591.78	1/4	952.49	1/4	1,308.68	1/4	1,672.47	1/4	2,033.51	1/4	2,390.24	1/4	2,753.16	1/4	3,116.49	1/4	3,479.27
1/2	235.42	1/2	599.36	1/2	959.84	1/2	1,316.26	1/2	1,680.05	1/2	2,040.31	1/2	2,397.78	1/2	2,760.73	1/2	3,124.05	1/2	3,486.81
3/4	243.00	3/4	606.94	3/4	967.19	3/4	1,323.84	3/4	1,687.63	3/4	2,047.10	3/4	2,405.32	3/4	2,768.30	3/4	3,131.62	3/4	3,494.36
8	250.58	8	614.53	8	974.54	8	1,331.42	8	1,695.21	8	2,053.90	8	2,412.86	8	2,775.87	8	3,139.19	8	3,501.91
1/4	258.16	1/4	622.11	1/4	981.89	1/4	1,339.00	1/4	1,702.79	1/4	2,060.87	1/4	2,420.40	1/4	2,783.44	1/4	3,146.76	1/4	3,509.45
1/2	265.74	1/2	629.69	1/2	989.24	1/2	1,346.58	1/2	1,710.36	1/2	2,067.85	1/2	2,427.94	1/2	2,791.01	1/2	3,154.32	1/2	3,517.00
3/4	273.33	3/4	637.28	3/4	996.58	3/4	1,354.16	3/4	1,717.94	3/4	2,074.83	3/4	2,435.47	3/4	2,798.58	3/4	3,161.89	3/4	3,524.55
9	280.91	9	644.86	9	1,003.93	9	1,361.74	9	1,725.52	9	2,081.80	9	2,443.01	9	2,806.15	9	3,169.46	9	3,532.09
1/4	288.49	1/4	652.44	1/4	1,011.28	1/4	1,369.31	1/4	1,733.10	1/4	2,089.32	1/4	2,450.55	1/4	2,813.72	1/4	3,177.03	1/4	3,539.64
1/2	296.07	1/2	660.02	1/2	1,018.63	1/2	1,376.89	1/2	1,740.68	1/2	2,096.83	1/2	2,458.09	1/2	2,821.29	1/2	3,184.59	1/2	3,547.19
3/4	303.65	3/4	667.61	3/4	1,025.98	3/4	1,384.47	3/4	1,748.26	3/4	2,104.35	3/4	2,465.63	3/4	2,828.86	3/4	3,192.16	3/4	3,554.74
10	311.23	10	675.19	10	1,033.33	10	1,392.05	10	1,755.84	10	2,111.86	10	2,473.17	10	2,836.43	10	3,199.73	10	3,562.29
1/4	318.82	1/4	682.77	1/4	1,040.68	1/4	1,399.63	1/4	1,763.42	1/4	2,119.38	1/4	2,480.71	1/4	2,844.00	1/4	3,207.30	1/4	3,569.85
1/2	326.40	1/2	690.36	1/2	1,048.03	1/2	1,407.21	1/2	1,771.00	1/2	2,126.89	1/2	2,488.25	1/2	2,851.57	1/2	3,214.86	1/2	3,577.41
3/4	333.98	3/4	697.94	3/4	1,055.38	3/4	1,414.79	3/4	1,778.58	3/4	2,134.41	3/4	2,495.79	3/4	2,859.14	3/4	3,222.43	3/4	3,584.97
11	341.56	11	705.52	11	1,062.73	11	1,422.37	11	1,786.15	11	2,141.92	11	2,503.32	11	2,866.71	11	3,230.00	11	3,592.52
1/4	349.14	1/4	713.11	1/4	1,070.08	1/4	1,429.95	1/4	1,793.73	1/4	2,149.43	1/4	2,510.87	1/4	2,874.28	1/4	3,237.57	1/4	3,599.65
1/2	356.72	1/2	720.69	1/2	1,077.43	1/2	1,437.52	1/2	1,801.31	1/2	2,156.95	1/2	2,518.42	1/2	2,881.85	1/2	3,245.13	1/2	3,606.78
3/4	364.31	3/4	728.27	3/4	1,084.78	3/4	1,445.10	3/4	1,808.89	3/4	2,164.46	3/4	2,525.97	3/4	2,889.42	3/4	3,252.70	3/4	3,613.90

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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

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



BARGE "CTCo 333"

3 PORT INNAGE 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	3,621.03	0	3,821.75	0	4,015.80	0	4,199.87	0	4,376.84	0		0		0		0		0	
1/4	3,626.42	1/4	3,825.82	1/4	4,019.75	1/4	4,203.58	1/4	4,380.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,631.81	1/2	3,829.89	1/2	4,023.70	1/2	4,207.29	1/2	4,384.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,637.20	3/4	3,833.96	3/4	4,027.65	3/4	4,211.00	3/4	4,388.94	3/4		3/4		3/4		3/4		3/4	
1	3,642.59	1	3,838.04	1	4,031.59	1	4,214.71	1	4,392.97	1		1		1		1		1	
1/4	3,646.66	1/4	3,842.11	1/4	4,035.52	1/4	4,218.39	1/4	4,396.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,650.73	1/2	3,846.18	1/2	4,039.45	1/2	4,222.08	1/2	4,400.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,654.81	3/4	3,850.25	3/4	4,043.38	3/4	4,225.76	3/4	4,404.50	3/4		3/4		3/4		3/4		3/4	
2	3,658.88	2	3,854.32	2	4,047.31	2	4,229.45	2	4,408.35	2		2		2		2		2	
1/4	3,662.95	1/4	3,858.40	1/4	4,051.22	1/4	4,233.09	1/4	4,411.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,667.02	1/2	3,862.47	1/2	4,055.13	1/2	4,236.74	1/2	4,414.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.09	3/4	3,866.54	3/4	4,059.04	3/4	4,240.38	3/4	4,417.03	3/4		3/4		3/4		3/4		3/4	
3	3,675.16	3	3,870.61	3	4,062.95	3	4,244.03	3	4,419.93	3		3		3		3		3	
1/4	3,679.24	1/4	3,874.68	1/4	4,066.83	1/4	4,247.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,683.31	1/2	3,878.75	1/2	4,070.71	1/2	4,251.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,687.38	3/4	3,882.83	3/4	4,074.58	3/4	4,254.91	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,691.45	4	3,886.90	4	4,078.46	4	4,258.54	4		4		4		4		4		4	
1/4	3,695.52	1/4	3,890.97	1/4	4,082.32	1/4	4,262.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,699.60	1/2	3,895.04	1/2	4,086.18	1/2	4,265.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,703.67	3/4	3,899.11	3/4	4,090.04	3/4	4,269.37	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,707.74	5	3,903.19	5	4,093.89	5	4,272.97	5		5		5		5		5		5	
1/4	3,711.81	1/4	3,907.26	1/4	4,097.73	1/4	4,276.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,715.88	1/2	3,911.33	1/2	4,101.57	1/2	4,280.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,719.95	3/4	3,915.40	3/4	4,105.41	3/4	4,283.75	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,724.03	6	3,919.47	6	4,109.25	6	4,287.34	6		6		6		6		6		6	
1/4	3,728.10	1/4	3,923.53	1/4	4,113.07	1/4	4,290.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,732.17	1/2	3,927.59	1/2	4,116.89	1/2	4,294.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,736.24	3/4	3,931.65	3/4	4,120.71	3/4	4,298.06	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,740.31	7	3,935.71	7	4,124.53	7	4,301.63	7		7		7		7		7		7	
1/4	3,744.39	1/4	3,939.75	1/4	4,128.34	1/4	4,305.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,748.46	1/2	3,943.79	1/2	4,132.14	1/2	4,308.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,752.53	3/4	3,947.84	3/4	4,135.94	3/4	4,312.28	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,756.60	8	3,951.88	8	4,139.75	8	4,315.84	8		8		8		8		8		8	
1/4	3,760.67	1/4	3,955.90	1/4	4,143.53	1/4	4,319.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,764.74	1/2	3,959.93	1/2	4,147.32	1/2	4,322.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,768.82	3/4	3,963.95	3/4	4,151.10	3/4	4,326.44	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,772.89	9	3,967.98	9	4,154.89	9	4,329.98	9		9		9		9		9		9	
1/4	3,776.96	1/4	3,971.98	1/4	4,158.66	1/4	4,333.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,781.03	1/2	3,975.99	1/2	4,162.42	1/2	4,337.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,785.10	3/4	3,979.99	3/4	4,166.19	3/4	4,340.93	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,789.18	10	3,984.00	10	4,169.96	10	4,344.58	10		10		10		10		10		10	
1/4	3,793.25	1/4	3,987.98	1/4	4,173.71	1/4	4,348.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,797.32	1/2	3,991.97	1/2	4,177.46	1/2	4,352.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,801.39	3/4	3,995.95	3/4	4,181.21	3/4	4,356.68	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,805.46	11	3,999.94	11	4,184.95	11	4,360.71	11		11		11		11		11		11	
1/4	3,809.53	1/4	4,003.90	1/4	4,188.68	1/4	4,364.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,813.61	1/2	4,007.87	1/2	4,192.41	1/2	4,368.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,817.68	3/4	4,011.83	3/4	4,196.14	3/4	4,372.81	3/4		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

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	20.30	0	372.31	0	736.86	0	1,100.92	0	1,465.42	0	1,829.98	0	2,188.34	0	2,552.84	0	2,917.09	0	3,281.14
1/4	25.52	1/4	379.90	1/4	744.45	1/4	1,108.51	1/4	1,473.02	1/4	1,837.58	1/4	2,195.94	1/4	2,560.43	1/4	2,924.67	1/4	3,288.72
1/2	30.74	1/2	387.50	1/2	752.05	1/2	1,116.09	1/2	1,480.61	1/2	1,845.17	1/2	2,203.53	1/2	2,568.02	1/2	2,932.26	1/2	3,296.31
3/4	35.97	3/4	395.09	3/4	759.64	3/4	1,123.68	3/4	1,488.21	3/4	1,852.77	3/4	2,211.12	3/4	2,575.62	3/4	2,939.84	3/4	3,303.89
1	41.19	1	402.69	1	767.24	1	1,131.27	1	1,495.80	1	1,860.36	1	2,218.72	1	2,583.21	1	2,947.43	1	3,311.47
1/4	48.06	1/4	410.28	1/4	774.83	1/4	1,138.86	1/4	1,503.40	1/4	1,867.96	1/4	2,226.31	1/4	2,590.80	1/4	2,955.02	1/4	3,319.05
1/2	54.93	1/2	417.88	1/2	782.43	1/2	1,146.45	1/2	1,510.99	1/2	1,875.55	1/2	2,233.90	1/2	2,598.40	1/2	2,962.60	1/2	3,326.63
3/4	61.80	3/4	425.47	3/4	790.02	3/4	1,154.04	3/4	1,518.59	3/4	1,883.15	3/4	2,241.50	3/4	2,605.99	3/4	2,970.19	3/4	3,334.21
2	68.68	2	433.07	2	797.62	2	1,161.62	2	1,526.18	2	1,890.74	2	2,249.09	2	2,613.58	2	2,977.78	2	3,341.79
1/4	76.24	1/4	440.66	1/4	805.21	1/4	1,169.22	1/4	1,533.78	1/4	1,898.34	1/4	2,256.69	1/4	2,621.18	1/4	2,985.36	1/4	3,349.35
1/2	83.81	1/2	448.26	1/2	812.81	1/2	1,176.81	1/2	1,541.37	1/2	1,905.93	1/2	2,264.28	1/2	2,628.77	1/2	2,992.95	1/2	3,356.92
3/4	91.37	3/4	455.85	3/4	820.40	3/4	1,184.41	3/4	1,548.97	3/4	1,913.53	3/4	2,271.87	3/4	2,636.37	3/4	3,000.53	3/4	3,364.48
3	98.93	3	463.45	3	828.00	3	1,192.00	3	1,556.56	3	1,921.12	3	2,279.47	3	2,643.96	3	3,008.12	3	3,372.04
1/4	106.52	1/4	471.04	1/4	835.59	1/4	1,199.60	1/4	1,564.16	1/4	1,928.71	1/4	2,287.06	1/4	2,651.55	1/4	3,015.71	1/4	3,379.60
1/2	114.11	1/2	478.64	1/2	843.18	1/2	1,207.19	1/2	1,571.75	1/2	1,936.30	1/2	2,294.65	1/2	2,659.14	1/2	3,023.29	1/2	3,387.17
3/4	121.69	3/4	486.23	3/4	850.77	3/4	1,214.79	3/4	1,579.35	3/4	1,943.89	3/4	2,302.25	3/4	2,666.73	3/4	3,030.88	3/4	3,394.73
4	129.28	4	493.83	4	858.36	4	1,222.38	4	1,586.94	4	1,951.47	4	2,309.84	4	2,674.32	4	3,038.47	4	3,402.29
1/4	136.87	1/4	501.42	1/4	865.94	1/4	1,229.98	1/4	1,594.54	1/4	1,959.03	1/4	2,317.43	1/4	2,681.91	1/4	3,046.05	1/4	3,409.86
1/2	144.47	1/2	509.02	1/2	873.52	1/2	1,237.57	1/2	1,602.13	1/2	1,966.59	1/2	2,325.03	1/2	2,689.50	1/2	3,053.63	1/2	3,417.42
3/4	152.06	3/4	516.61	3/4	881.10	3/4	1,245.17	3/4	1,609.73	3/4	1,974.15	3/4	2,332.62	3/4	2,697.08	3/4	3,061.22	3/4	3,424.98
5	159.65	5	524.20	5	888.68	5	1,252.76	5	1,617.32	5	1,981.71	5	2,340.21	5	2,704.67	5	3,068.80	5	3,432.55
1/4	167.25	1/4	531.80	1/4	896.26	1/4	1,260.36	1/4	1,624.92	1/4	1,989.27	1/4	2,347.81	1/4	2,712.26	1/4	3,076.38	1/4	3,440.11
1/2	174.84	1/2	539.39	1/2	903.84	1/2	1,267.95	1/2	1,632.51	1/2	1,996.83	1/2	2,355.40	1/2	2,719.84	1/2	3,083.97	1/2	3,447.67
3/4	182.44	3/4	546.99	3/4	911.42	3/4	1,275.55	3/4	1,640.11	3/4	2,004.39	3/4	2,363.00	3/4	2,727.43	3/4	3,091.55	3/4	3,455.23
6	190.03	6	554.58	6	919.00	6	1,283.14	6	1,647.70	6	2,011.95	6	2,370.59	6	2,735.01	6	3,099.13	6	3,462.80
1/4	197.63	1/4	562.18	1/4	926.58	1/4	1,290.74	1/4	1,655.30	1/4	2,019.34	1/4	2,378.18	1/4	2,742.60	1/4	3,106.72	1/4	3,470.36
1/2	205.22	1/2	569.77	1/2	934.16	1/2	1,298.33	1/2	1,662.89	1/2	2,026.72	1/2	2,385.78	1/2	2,750.19	1/2	3,114.30	1/2	3,477.92
3/4	212.82	3/4	577.37	3/4	941.74	3/4	1,305.93	3/4	1,670.49	3/4	2,034.11	3/4	2,393.37	3/4	2,757.77	3/4	3,121.88	3/4	3,485.49
7	220.41	7	584.96	7	949.32	7	1,313.52	7	1,678.08	7	2,041.50	7	2,400.96	7	2,765.36	7	3,129.47	7	3,493.05
1/4	228.01	1/4	592.56	1/4	956.90	1/4	1,321.12	1/4	1,685.68	1/4	2,048.38	1/4	2,408.56	1/4	2,772.95	1/4	3,137.05	1/4	3,500.61
1/2	235.60	1/2	600.15	1/2	964.48	1/2	1,328.71	1/2	1,693.27	1/2	2,055.25	1/2	2,416.15	1/2	2,780.53	1/2	3,144.64	1/2	3,508.17
3/4	243.20	3/4	607.75	3/4	972.06	3/4	1,336.31	3/4	1,700.87	3/4	2,062.13	3/4	2,423.74	3/4	2,788.12	3/4	3,152.22	3/4	3,515.74
8	250.79	8	615.34	8	979.64	8	1,343.90	8	1,708.46	8	2,069.00	8	2,431.34	8	2,795.70	8	3,159.80	8	3,523.30
1/4	258.39	1/4	622.94	1/4	987.22	1/4	1,351.50	1/4	1,716.06	1/4	2,076.06	1/4	2,438.93	1/4	2,803.29	1/4	3,167.39	1/4	3,530.86
1/2	265.98	1/2	630.53	1/2	994.80	1/2	1,359.09	1/2	1,723.65	1/2	2,083.11	1/2	2,446.53	1/2	2,810.88	1/2	3,174.97	1/2	3,538.43
3/4	273.58	3/4	638.13	3/4	1,002.38	3/4	1,366.69	3/4	1,731.25	3/4	2,090.16	3/4	2,454.12	3/4	2,818.46	3/4	3,182.55	3/4	3,545.99
9	281.17	9	645.72	9	1,009.96	9	1,374.28	9	1,738.84	9	2,097.22	9	2,461.71	9	2,826.05	9	3,190.14	9	3,553.55
1/4	288.77	1/4	653.32	1/4	1,017.53	1/4	1,381.88	1/4	1,746.44	1/4	2,104.81	1/4	2,469.31	1/4	2,833.64	1/4	3,197.72	1/4	3,561.11
1/2	296.36	1/2	660.91	1/2	1,025.11	1/2	1,389.47	1/2	1,754.03	1/2	2,112.41	1/2	2,476.90	1/2	2,841.22	1/2	3,205.30	1/2	3,568.68
3/4	303.96	3/4	668.51	3/4	1,032.69	3/4	1,397.07	3/4	1,761.63	3/4	2,120.00	3/4	2,484.49	3/4	2,848.81	3/4	3,212.89	3/4	3,576.24
10	311.55	10	676.10	10	1,040.27	10	1,404.66	10	1,769.22	10	2,127.59	10	2,492.09	10	2,856.40	10	3,220.47	10	3,583.80
1/4	319.15	1/4	683.70	1/4	1,047.85	1/4	1,412.26	1/4	1,776.82	1/4	2,135.19	1/4	2,499.68	1/4	2,863.98	1/4	3,228.06	1/4	3,591.37
1/2	326.74	1/2	691.29	1/2	1,055.43	1/2	1,419.85	1/2	1,784.41	1/2	2,142.78	1/2	2,507.27	1/2	2,871.57	1/2	3,235.64	1/2	3,598.93
3/4	334.33	3/4	698.89	3/4	1,063.01	3/4	1,427.45	3/4	1,792.01	3/4	2,150.37	3/4	2,514.87	3/4	2,879.15	3/4	3,243.22	3/4	3,606.49
11	341.93	11	706.48	11	1,070.59	11	1,435.04	11	1,799.60	11	2,157.97	11	2,522.46	11	2,886.74	11	3,250.81	11	3,614.05
1/4	349.52	1/4	714.07	1/4	1,078.17	1/4	1,442.64	1/4	1,807.20	1/4	2,165.56	1/4	2,530.05	1/4	2,894.33	1/4	3,258.39	1/4	3,621.18
1/2	357.12	1/2	721.67	1/2	1,085.76	1/2	1,450.23	1/2	1,814.79	1/2	2,173.16	1/2	2,537.65	1/2	2,901.91	1/2	3,265.97	1/2	3,628.31
3/4	364.71	3/4	729.26	3/4	1,093.34	3/4	1,457.83	3/4	1,822.39	3/4	2,180.75	3/4	2,545.24	3/4	2,909.50	3/4	3,273.56	3/4	3,635.44

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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

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



BARGE "CTCo 333"

3 STBD INNAGE 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	3,642.57	0	3,843.13	0	4,037.03	0	4,220.93	0	4,397.71	0		0		0		0		0	
1/4	3,647.96	1/4	3,847.20	1/4	4,040.97	1/4	4,224.63	1/4	4,401.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,653.35	1/2	3,851.27	1/2	4,044.92	1/2	4,228.34	1/2	4,405.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,658.74	3/4	3,855.34	3/4	4,048.86	3/4	4,232.04	3/4	4,409.80	3/4		3/4		3/4		3/4		3/4	
1	3,664.12	1	3,859.41	1	4,052.80	1	4,235.75	1	4,413.83	1		1		1		1		1	
1/4	3,668.19	1/4	3,863.48	1/4	4,056.73	1/4	4,239.43	1/4	4,417.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,672.26	1/2	3,867.54	1/2	4,060.66	1/2	4,243.11	1/2	4,421.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.33	3/4	3,871.61	3/4	4,064.58	3/4	4,246.79	3/4	4,425.35	3/4		3/4		3/4		3/4		3/4	
2	3,680.40	2	3,875.68	2	4,068.51	2	4,250.47	2	4,429.19	2		2		2		2		2	
1/4	3,684.47	1/4	3,879.75	1/4	4,072.42	1/4	4,254.11	1/4	4,432.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,688.54	1/2	3,883.82	1/2	4,076.32	1/2	4,257.75	1/2	4,434.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,692.60	3/4	3,887.89	3/4	4,080.23	3/4	4,261.39	3/4	4,437.86	3/4		3/4		3/4		3/4		3/4	
3	3,696.67	3	3,891.96	3	4,084.13	3	4,265.04	3	4,440.75	3		3		3		3		3	
1/4	3,700.74	1/4	3,896.02	1/4	4,088.01	1/4	4,268.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,704.81	1/2	3,900.09	1/2	4,091.88	1/2	4,272.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,708.88	3/4	3,904.16	3/4	4,095.76	3/4	4,275.91	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,712.95	4	3,908.23	4	4,099.63	4	4,279.53	4		4		4		4		4		4	
1/4	3,717.01	1/4	3,912.30	1/4	4,103.49	1/4	4,283.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,721.08	1/2	3,916.37	1/2	4,107.34	1/2	4,286.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,725.15	3/4	3,920.43	3/4	4,111.19	3/4	4,290.35	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,729.22	5	3,924.50	5	4,115.05	5	4,293.95	5		5		5		5		5		5	
1/4	3,733.29	1/4	3,928.57	1/4	4,118.88	1/4	4,297.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,737.36	1/2	3,932.64	1/2	4,122.72	1/2	4,301.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,741.42	3/4	3,936.71	3/4	4,126.55	3/4	4,304.72	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,745.49	6	3,940.77	6	4,130.39	6	4,308.30	6		6		6		6		6		6	
1/4	3,749.56	1/4	3,944.83	1/4	4,134.21	1/4	4,311.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,753.63	1/2	3,948.89	1/2	4,138.02	1/2	4,315.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,757.70	3/4	3,952.94	3/4	4,141.84	3/4	4,319.01	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,761.77	7	3,957.00	7	4,145.66	7	4,322.58	7		7		7		7		7		7	
1/4	3,765.83	1/4	3,961.04	1/4	4,149.46	1/4	4,326.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,769.90	1/2	3,965.08	1/2	4,153.26	1/2	4,329.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,773.97	3/4	3,969.12	3/4	4,157.06	3/4	4,333.22	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,778.04	8	3,973.16	8	4,160.86	8	4,336.77	8		8		8		8		8		8	
1/4	3,782.11	1/4	3,977.18	1/4	4,164.64	1/4	4,340.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,786.18	1/2	3,981.20	1/2	4,168.42	1/2	4,343.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,790.25	3/4	3,985.22	3/4	4,172.20	3/4	4,347.36	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,794.31	9	3,989.24	9	4,175.98	9	4,350.89	9		9		9		9		9		9	
1/4	3,798.38	1/4	3,993.25	1/4	4,179.75	1/4	4,354.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,802.45	1/2	3,997.25	1/2	4,183.51	1/2	4,358.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,806.52	3/4	4,001.25	3/4	4,187.28	3/4	4,361.83	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,810.59	10	4,005.25	10	4,191.04	10	4,365.48	10		10		10		10		10		10	
1/4	3,814.66	1/4	4,009.23	1/4	4,194.79	1/4	4,369.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,818.72	1/2	4,013.21	1/2	4,198.53	1/2	4,373.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,822.79	3/4	4,017.19	3/4	4,202.28	3/4	4,377.57	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,826.86	11	4,021.18	11	4,206.02	11	4,381.60	11		11		11		11		11		11	
1/4	3,830.93	1/4	4,025.14	1/4	4,209.75	1/4	4,385.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,835.00	1/2	4,029.10	1/2	4,213.48	1/2	4,389.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,839.07	3/4	4,033.06	3/4	4,217.20	3/4	4,393.68	3/4		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>