



# BARGE "CTCo 342"

## 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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8

(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 INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 234'-03"

October 2, 2015

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

<http://www.pmacorp.net>



# BARGE "CTCo 342"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,770.36	0	4,431.70	0	4,072.04	0	3,705.85	0	3,339.37	0	2,972.62	0	2,605.68	0	2,238.74
1/4		1/4		1/4	4,763.54	1/4	4,424.43	1/4	4,064.41	1/4	3,698.23	1/4	3,331.73	1/4	2,964.98	1/4	2,598.04	1/4	2,231.09
1/2		1/2		1/2	5,091.68	1/2	4,756.73	1/2	4,417.16	1/2	4,056.78	1/2	3,690.60	1/2	3,324.09	1/2	2,957.34	1/2	2,223.45
3/4		3/4		3/4	5,085.25	3/4	4,749.88	3/4	4,409.83	3/4	4,049.16	3/4	3,682.97	3/4	3,316.45	3/4	2,949.70	3/4	2,215.80
1		1		1	5,078.82	1	4,743.04	1	4,402.51	1	4,041.53	1	3,675.34	1	3,308.81	1	2,942.05	1	2,208.16
1/4		1/4		1/4	5,072.39	1/4	4,736.19	1/4	4,395.18	1/4	4,033.90	1/4	3,667.71	1/4	3,301.17	1/4	2,934.41	1/4	2,200.51
1/2		1/2		1/2	5,065.96	1/2	4,729.34	1/2	4,387.86	1/2	4,026.27	1/2	3,660.08	1/2	3,293.53	1/2	2,926.76	1/2	2,192.87
3/4		3/4		3/4	5,058.58	3/4	4,722.43	3/4	4,380.49	3/4	4,018.64	3/4	3,652.45	3/4	3,285.89	3/4	2,919.12	3/4	2,185.23
2		2		2	5,051.20	2	4,715.52	2	4,373.13	2	4,011.01	2	3,644.82	2	3,278.25	2	2,911.47	2	2,177.58
1/4		1/4		1/4	5,043.82	1/4	4,708.61	1/4	4,365.77	1/4	4,003.38	1/4	3,637.19	1/4	3,270.61	1/4	2,903.83	1/4	2,169.94
1/2		1/2		1/2	5,036.43	1/2	4,701.70	1/2	4,358.40	1/2	3,995.75	1/2	3,629.57	1/2	3,262.97	1/2	2,896.18	1/2	2,162.29
3/4		3/4		3/4	5,028.86	3/4	4,694.75	3/4	4,351.01	3/4	3,988.12	3/4	3,621.94	3/4	3,255.33	3/4	2,888.54	3/4	2,154.65
3		3		3	5,021.29	3	4,687.80	3	4,343.61	3	3,980.50	3	3,614.31	3	3,247.69	3	2,880.89	3	2,147.00
1/4		1/4		1/4	5,013.72	1/4	4,680.84	1/4	4,336.21	1/4	3,972.87	1/4	3,606.68	1/4	3,240.05	1/4	2,873.25	1/4	2,139.36
1/2		1/2		1/2	5,006.15	1/2	4,673.89	1/2	4,328.81	1/2	3,965.24	1/2	3,599.05	1/2	3,232.41	1/2	2,865.60	1/2	2,131.71
3/4		3/4		3/4	4,998.58	3/4	4,666.89	3/4	4,321.38	3/4	3,957.61	3/4	3,591.42	3/4	3,224.77	3/4	2,857.96	3/4	2,124.07
4		4		4	4,991.00	4	4,659.90	4	4,313.95	4	3,949.98	4	3,583.79	4	3,217.13	4	2,850.31	4	2,116.42
1/4		1/4		1/4	4,983.43	1/4	4,652.91	1/4	4,306.52	1/4	3,942.35	1/4	3,576.16	1/4	3,209.48	1/4	2,842.67	1/4	2,108.78
1/2		1/2		1/2	4,975.86	1/2	4,645.91	1/2	4,299.09	1/2	3,934.72	1/2	3,568.53	1/2	3,201.84	1/2	2,835.02	1/2	2,101.13
3/4		3/4		3/4	4,968.29	3/4	4,638.88	3/4	4,291.63	3/4	3,927.09	3/4	3,560.91	3/4	3,194.20	3/4	2,827.38	3/4	2,093.49
5		5		5	4,960.72	5	4,631.85	5	4,284.16	5	3,919.46	5	3,553.28	5	3,186.56	5	2,819.74	5	2,085.84
1/4		1/4		1/4	4,953.15	1/4	4,624.82	1/4	4,276.70	1/4	3,911.84	1/4	3,545.65	1/4	3,178.92	1/4	2,812.09	1/4	2,078.20
1/2		1/2		1/2	4,945.58	1/2	4,617.79	1/2	4,269.23	1/2	3,904.21	1/2	3,538.02	1/2	3,171.28	1/2	2,804.45	1/2	2,070.55
3/4		3/4		3/4	4,938.72	3/4	4,610.73	3/4	4,261.73	3/4	3,896.58	3/4	3,530.38	3/4	3,163.64	3/4	2,796.80	3/4	2,062.91
6		6		6	4,931.87	6	4,603.67	6	4,254.22	6	3,888.95	6	3,522.74	6	3,156.00	6	2,789.16	6	2,055.27
1/4		1/4		1/4	4,925.01	1/4	4,596.60	1/4	4,246.72	1/4	3,881.32	1/4	3,515.11	1/4	3,148.36	1/4	2,781.51	1/4	2,047.62
1/2		1/2		1/2	4,918.16	1/2	4,589.54	1/2	4,239.21	1/2	3,873.69	1/2	3,507.47	1/2	3,140.72	1/2	2,773.87	1/2	2,039.98
3/4		3/4		3/4	4,911.52	3/4	4,582.44	3/4	4,231.67	3/4	3,866.06	3/4	3,499.83	3/4	3,133.08	3/4	2,766.22	3/4	2,032.87
7		7		7	4,904.88	7	4,575.34	7	4,224.13	7	3,858.43	7	3,492.19	7	3,125.44	7	2,758.58	7	2,025.77
1/4		1/4		1/4	4,898.24	1/4	4,568.25	1/4	4,216.59	1/4	3,850.80	1/4	3,484.55	1/4	3,117.80	1/4	2,750.93	1/4	2,018.67
1/2		1/2		1/2	4,891.60	1/2	4,561.15	1/2	4,209.05	1/2	3,843.18	1/2	3,476.91	1/2	3,110.16	1/2	2,743.29	1/2	2,011.56
3/4		3/4		3/4	4,884.93	3/4	4,554.02	3/4	4,201.48	3/4	3,835.55	3/4	3,469.26	3/4	3,102.52	3/4	2,735.64	3/4	2,004.64
8		8		8	4,878.26	8	4,546.89	8	4,193.90	8	3,827.92	8	3,461.62	8	3,094.88	8	2,728.00	8	1,997.72
1/4		1/4		1/4	4,871.59	1/4	4,539.76	1/4	4,186.33	1/4	3,820.29	1/4	3,453.98	1/4	3,087.23	1/4	2,720.35	1/4	1,990.80
1/2		1/2		1/2	4,864.92	1/2	4,532.63	1/2	4,178.75	1/2	3,812.66	1/2	3,446.34	1/2	3,079.59	1/2	2,712.71	1/2	1,983.87
3/4		3/4		3/4	4,858.21	3/4	4,525.46	3/4	4,171.15	3/4	3,805.03	3/4	3,438.70	3/4	3,071.95	3/4	2,705.06	3/4	1,976.44
9		9		9	4,851.50	9	4,518.30	9	4,163.54	9	3,797.40	9	3,431.06	9	3,064.31	9	2,697.42	9	1,969.00
1/4		1/4		1/4	4,844.79	1/4	4,511.13	1/4	4,155.93	1/4	3,789.77	1/4	3,423.42	1/4	3,056.67	1/4	2,689.78	1/4	1,961.56
1/2		1/2		1/2	4,838.08	1/2	4,503.97	1/2	4,148.32	1/2	3,782.14	1/2	3,415.78	1/2	3,049.03	1/2	2,682.13	1/2	1,954.12
3/4		3/4		3/4	4,831.34	3/4	4,496.77	3/4	4,140.70	3/4	3,774.52	3/4	3,408.14	3/4	3,041.39	3/4	2,674.49	3/4	1,946.51
10		10		10	4,824.59	10	4,489.57	10	4,133.07	10	3,766.89	10	3,400.50	10	3,033.75	10	2,666.84	10	1,938.90
1/4		1/4		1/4	4,817.84	1/4	4,482.37	1/4	4,125.44	1/4	3,759.26	1/4	3,392.86	1/4	3,026.11	1/4	2,659.20	1/4	1,931.29
1/2		1/2		1/2	4,811.10	1/2	4,475.17	1/2	4,117.82	1/2	3,751.63	1/2	3,385.22	1/2	3,018.47	1/2	2,651.55	1/2	1,923.68
3/4		3/4		3/4	4,804.32	3/4	4,467.94	3/4	4,110.19	3/4	3,744.00	3/4	3,377.58	3/4	3,010.83	3/4	2,643.91	3/4	1,916.07
11		11		11	4,797.54	11	4,460.71	11	4,102.56	11	3,736.37	11	3,369.94	11	3,003.19	11	2,636.26	11	1,908.46
1/4		1/4		1/4	4,790.76	1/4	4,453.48	1/4	4,094.93	1/4	3,728.74	1/4	3,362.30	1/4	2,995.55	1/4	2,628.62	1/4	1,900.85
1/2		1/2		1/2	4,783.98	1/2	4,446.24	1/2	4,087.30	1/2	3,721.11	1/2	3,354.66	1/2	2,987.91	1/2	2,620.97	1/2	1,893.24
3/4		3/4		3/4	4,777.17	3/4	4,438.97	3/4	4,079.67	3/4	3,713.48	3/4	3,347.02	3/4	2,980.27	3/4	2,613.33	3/4	1,885.60

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "CTCo 342"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 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	1,877.96	0	1,510.97	0	1,144.00	0	779.14	0	415.78	0	92.63	0		0		0		0	
1/4	1,870.32	1/4	1,503.32	1/4	1,136.38	1/4	771.50	1/4	408.53	1/4	86.44	1/4		1/4		1/4		1/4	
1/2	1,862.69	1/2	1,495.68	1/2	1,128.75	1/2	763.87	1/2	401.27	1/2	80.24	1/2		1/2		1/2		1/2	
3/4	1,855.04	3/4	1,488.03	3/4	1,121.13	3/4	756.22	3/4	394.10	3/4	74.16	3/4		3/4		3/4		3/4	
1	1,847.40	1	1,480.38	1	1,113.52	1	748.58	1	386.94	1	68.07	1		1		1		1	
1/4	1,839.75	1/4	1,472.74	1/4	1,105.90	1/4	740.93	1/4	379.77	1/4	61.99	1/4		1/4		1/4		1/4	
1/2	1,832.10	1/2	1,465.09	1/2	1,098.29	1/2	733.29	1/2	372.60	1/2	55.90	1/2		1/2		1/2		1/2	
3/4	1,824.46	3/4	1,457.44	3/4	1,090.68	3/4	725.64	3/4	365.52	3/4	50.60	3/4		3/4		3/4		3/4	
2	1,816.81	2	1,449.80	2	1,083.07	2	717.99	2	358.44	2	45.30	2		2		2		2	
1/4	1,809.17	1/4	1,442.15	1/4	1,075.47	1/4	710.35	1/4	351.35	1/4	40.00	1/4		1/4		1/4		1/4	
1/2	1,801.52	1/2	1,434.51	1/2	1,067.86	1/2	702.70	1/2	344.27	1/2	34.69	1/2		1/2		1/2		1/2	
3/4	1,793.87	3/4	1,426.86	3/4	1,060.26	3/4	695.06	3/4	337.28	3/4	30.80	3/4		3/4		3/4		3/4	
3	1,786.23	3	1,419.21	3	1,052.66	3	687.41	3	330.28	3	26.91	3		3		3		3	
1/4	1,778.58	1/4	1,411.57	1/4	1,045.05	1/4	679.77	1/4	323.29	1/4	23.03	1/4		1/4		1/4		1/4	
1/2	1,770.93	1/2	1,403.92	1/2	1,037.45	1/2	672.12	1/2	316.29	1/2	19.14	1/2		1/2		1/2		1/2	
3/4	1,763.29	3/4	1,396.28	3/4	1,029.86	3/4	664.47	3/4	309.38	3/4		3/4		3/4		3/4		3/4	
4	1,755.64	4	1,388.63	4	1,022.26	4	656.83	4	302.48	4		4		4		4		4	
1/4	1,748.00	1/4	1,380.98	1/4	1,014.66	1/4	649.18	1/4	295.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,740.35	1/2	1,373.34	1/2	1,007.07	1/2	641.54	1/2	288.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,732.70	3/4	1,365.69	3/4	999.47	3/4	633.89	3/4	281.84	3/4		3/4		3/4		3/4		3/4	
5	1,725.06	5	1,358.05	5	991.87	5	626.24	5	275.02	5		5		5		5		5	
1/4	1,717.41	1/4	1,350.40	1/4	984.28	1/4	618.60	1/4	268.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,709.77	1/2	1,342.75	1/2	976.68	1/2	610.95	1/2	261.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,702.12	3/4	1,335.11	3/4	969.09	3/4	603.31	3/4	254.64	3/4		3/4		3/4		3/4		3/4	
6	1,694.47	6	1,327.46	6	961.49	6	595.66	6	247.91	6		6		6		6		6	
1/4	1,686.83	1/4	1,319.81	1/4	953.90	1/4	588.01	1/4	241.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,679.18	1/2	1,312.17	1/2	946.30	1/2	580.37	1/2	234.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,671.54	3/4	1,304.52	3/4	938.71	3/4	572.73	3/4	227.79	3/4		3/4		3/4		3/4		3/4	
7	1,663.89	7	1,296.88	7	931.11	7	565.09	7	221.14	7		7		7		7		7	
1/4	1,656.24	1/4	1,289.23	1/4	923.52	1/4	557.46	1/4	214.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,648.60	1/2	1,281.58	1/2	915.92	1/2	549.82	1/2	207.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,640.95	3/4	1,273.94	3/4	908.33	3/4	542.22	3/4	201.28	3/4		3/4		3/4		3/4		3/4	
8	1,633.30	8	1,266.29	8	900.73	8	534.63	8	194.72	8		8		8		8		8	
1/4	1,625.66	1/4	1,258.65	1/4	893.14	1/4	527.03	1/4	188.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,618.01	1/2	1,251.00	1/2	885.54	1/2	519.44	1/2	181.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,610.37	3/4	1,243.35	3/4	877.95	3/4	511.92	3/4	175.13	3/4		3/4		3/4		3/4		3/4	
9	1,602.72	9	1,235.71	9	870.35	9	504.41	9	168.65	9		9		9		9		9	
1/4	1,595.07	1/4	1,228.06	1/4	862.76	1/4	496.89	1/4	162.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,587.43	1/2	1,220.42	1/2	855.16	1/2	489.38	1/2	155.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,579.78	3/4	1,212.77	3/4	847.57	3/4	481.95	3/4	149.32	3/4		3/4		3/4		3/4		3/4	
10	1,572.14	10	1,205.12	10	839.97	10	474.52	10	142.94	10		10		10		10		10	
1/4	1,564.49	1/4	1,197.48	1/4	832.38	1/4	467.09	1/4	136.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,556.84	1/2	1,189.83	1/2	824.78	1/2	459.66	1/2	130.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,549.20	3/4	1,182.19	3/4	817.19	3/4	452.32	3/4	123.88	3/4		3/4		3/4		3/4		3/4	
11	1,541.55	11	1,174.54	11	809.59	11	444.98	11	117.59	11		11		11		11		11	
1/4	1,533.91	1/4	1,166.89	1/4	802.00	1/4	437.64	1/4	111.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,526.26	1/2	1,159.25	1/2	794.40	1/2	430.29	1/2	105.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,518.61	3/4	1,151.62	3/4	786.77	3/4	423.04	3/4	98.82	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL  
CALCULATED: 10/03/2015 CL  
PRINTED: 10/04/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "CTCo 342"

## 1 STBD

### ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-2 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	5,070.16	0	4,735.56	0	4,396.27	0	4,036.42	0	3,671.06	0	3,305.70	0	2,940.33	0	2,574.77	0	2,209.22
1/4		1/4	5,063.75	1/4	4,728.73	1/4	4,388.97	1/4	4,028.81	1/4	3,663.45	1/4	3,298.09	1/4	2,932.71	1/4	2,567.16	1/4	2,201.60
1/2		1/2	5,057.33	1/2	4,721.90	1/2	4,381.66	1/2	4,021.20	1/2	3,655.84	1/2	3,290.48	1/2	2,925.09	1/2	2,559.54	1/2	2,193.99
3/4		3/4	5,050.92	3/4	4,715.06	3/4	4,374.35	3/4	4,013.59	3/4	3,648.23	3/4	3,282.87	3/4	2,917.48	3/4	2,551.93	3/4	2,186.37
1		1	5,043.56	1	4,708.17	1	4,367.00	1	4,005.98	1	3,640.62	1	3,275.25	1	2,909.86	1	2,544.31	1	2,178.76
1/4		1/4	5,036.19	1/4	4,701.28	1/4	4,359.66	1/4	3,998.37	1/4	3,633.00	1/4	3,267.64	1/4	2,902.25	1/4	2,536.69	1/4	2,171.14
1/2		1/2	5,028.83	1/2	4,694.38	1/2	4,352.31	1/2	3,990.75	1/2	3,625.39	1/2	3,260.03	1/2	2,894.63	1/2	2,529.08	1/2	2,163.52
3/4		3/4	5,021.46	3/4	4,687.49	3/4	4,344.96	3/4	3,983.14	3/4	3,617.78	3/4	3,252.42	3/4	2,887.02	3/4	2,521.46	3/4	2,155.91
2		2	5,013.91	2	4,680.55	2	4,337.58	2	3,975.53	2	3,610.17	2	3,244.81	2	2,879.40	2	2,513.85	2	2,148.29
1/4		1/4	5,006.35	1/4	4,673.61	1/4	4,330.20	1/4	3,967.92	1/4	3,602.56	1/4	3,237.20	1/4	2,871.78	1/4	2,506.23	1/4	2,140.68
1/2		1/2	4,998.80	1/2	4,666.67	1/2	4,322.82	1/2	3,960.31	1/2	3,594.95	1/2	3,229.58	1/2	2,864.17	1/2	2,498.62	1/2	2,133.06
3/4		3/4	4,991.24	3/4	4,659.73	3/4	4,315.44	3/4	3,952.70	3/4	3,587.33	3/4	3,221.97	3/4	2,856.55	3/4	2,491.00	3/4	2,125.45
3		3	4,983.69	3	4,652.76	3	4,308.03	3	3,945.08	3	3,579.72	3	3,214.36	3	2,848.94	3	2,483.38	3	2,117.83
1/4		1/4	4,976.14	1/4	4,645.78	1/4	4,300.61	1/4	3,937.47	1/4	3,572.11	1/4	3,206.75	1/4	2,841.32	1/4	2,475.77	1/4	2,110.21
1/2		1/2	4,968.58	1/2	4,638.80	1/2	4,293.20	1/2	3,929.86	1/2	3,564.50	1/2	3,199.14	1/2	2,833.71	1/2	2,468.15	1/2	2,102.60
3/4		3/4	4,961.03	3/4	4,631.82	3/4	4,285.78	3/4	3,922.25	3/4	3,556.89	3/4	3,191.53	3/4	2,826.09	3/4	2,460.54	3/4	2,094.98
4		4	4,953.47	4	4,624.81	4	4,278.34	4	3,914.64	4	3,549.28	4	3,183.91	4	2,818.47	4	2,452.92	4	2,087.37
1/4		1/4	4,945.92	1/4	4,617.79	1/4	4,270.89	1/4	3,907.03	1/4	3,541.66	1/4	3,176.30	1/4	2,810.86	1/4	2,445.31	1/4	2,079.75
1/2		1/2	4,938.36	1/2	4,610.78	1/2	4,263.44	1/2	3,899.41	1/2	3,534.05	1/2	3,168.69	1/2	2,803.24	1/2	2,437.69	1/2	2,072.14
3/4		3/4	4,930.81	3/4	4,603.77	3/4	4,255.99	3/4	3,891.80	3/4	3,526.44	3/4	3,161.08	3/4	2,795.63	3/4	2,430.07	3/4	2,064.52
5		5	4,923.97	5	4,596.72	5	4,248.51	5	3,884.19	5	3,518.83	5	3,153.47	5	2,788.01	5	2,422.46	5	2,056.90
1/4		1/4	4,917.13	1/4	4,589.67	1/4	4,241.02	1/4	3,876.58	1/4	3,511.22	1/4	3,145.86	1/4	2,780.40	1/4	2,414.84	1/4	2,049.29
1/2		1/2	4,910.29	1/2	4,582.62	1/2	4,233.53	1/2	3,868.97	1/2	3,503.60	1/2	3,138.24	1/2	2,772.78	1/2	2,407.23	1/2	2,041.67
3/4		3/4	4,903.46	3/4	4,575.58	3/4	4,226.04	3/4	3,861.35	3/4	3,495.99	3/4	3,130.63	3/4	2,765.16	3/4	2,399.61	3/4	2,034.06
6		6	4,896.83	6	4,568.49	6	4,218.52	6	3,853.74	6	3,488.38	6	3,123.02	6	2,757.55	6	2,392.00	6	2,026.98
1/4		1/4	4,890.21	1/4	4,561.41	1/4	4,211.00	1/4	3,846.13	1/4	3,480.77	1/4	3,115.41	1/4	2,749.93	1/4	2,384.38	1/4	2,019.91
1/2		1/2	4,883.58	1/2	4,554.33	1/2	4,203.47	1/2	3,838.52	1/2	3,473.16	1/2	3,107.80	1/2	2,742.32	1/2	2,376.76	1/2	2,012.83
3/4		3/4	4,876.96	3/4	4,547.25	3/4	4,195.95	3/4	3,830.91	3/4	3,465.55	3/4	3,100.18	3/4	2,734.70	3/4	2,369.15	3/4	2,005.76
7		7	4,870.30	7	4,540.14	7	4,188.39	7	3,823.30	7	3,457.93	7	3,092.57	7	2,727.09	7	2,361.53	7	1,998.86
1/4		1/4	4,863.65	1/4	4,533.02	1/4	4,180.83	1/4	3,815.68	1/4	3,450.32	1/4	3,084.96	1/4	2,719.47	1/4	2,353.92	1/4	1,991.97
1/2		1/2	4,856.99	1/2	4,525.91	1/2	4,173.28	1/2	3,808.07	1/2	3,442.71	1/2	3,077.35	1/2	2,711.85	1/2	2,346.30	1/2	1,985.07
3/4		3/4	4,850.33	3/4	4,518.79	3/4	4,165.72	3/4	3,800.46	3/4	3,435.10	3/4	3,069.74	3/4	2,704.24	3/4	2,338.69	3/4	1,978.18
8		8	4,843.64	8	4,511.64	8	4,158.13	8	3,792.85	8	3,427.49	8	3,062.13	8	2,696.62	8	2,331.07	8	1,970.77
1/4		1/4	4,836.95	1/4	4,504.49	1/4	4,150.54	1/4	3,785.24	1/4	3,419.88	1/4	3,054.51	1/4	2,689.01	1/4	2,323.45	1/4	1,963.36
1/2		1/2	4,830.25	1/2	4,497.35	1/2	4,142.95	1/2	3,777.63	1/2	3,412.26	1/2	3,046.90	1/2	2,681.39	1/2	2,315.84	1/2	1,955.95
3/4		3/4	4,823.56	3/4	4,490.20	3/4	4,135.36	3/4	3,770.01	3/4	3,404.65	3/4	3,039.29	3/4	2,673.78	3/4	2,308.22	3/4	1,948.53
9		9	4,816.83	9	4,483.02	9	4,127.75	9	3,762.40	9	3,397.04	9	3,031.68	9	2,666.16	9	2,300.61	9	1,940.95
1/4		1/4	4,810.10	1/4	4,475.83	1/4	4,120.14	1/4	3,754.79	1/4	3,389.43	1/4	3,024.07	1/4	2,658.55	1/4	2,292.99	1/4	1,933.37
1/2		1/2	4,803.37	1/2	4,468.65	1/2	4,112.54	1/2	3,747.18	1/2	3,381.82	1/2	3,016.46	1/2	2,650.93	1/2	2,285.38	1/2	1,925.79
3/4		3/4	4,796.64	3/4	4,461.47	3/4	4,104.93	3/4	3,739.57	3/4	3,374.21	3/4	3,008.84	3/4	2,643.31	3/4	2,277.76	3/4	1,918.21
10		10	4,789.87	10	4,454.25	10	4,097.32	10	3,731.96	10	3,366.59	10	3,001.23	10	2,635.70	10	2,270.14	10	1,910.63
1/4		1/4	4,783.11	1/4	4,447.04	1/4	4,089.71	1/4	3,724.34	1/4	3,358.98	1/4	2,993.62	1/4	2,628.08	1/4	2,262.53	1/4	1,903.05
1/2		1/2	4,776.34	1/2	4,439.82	1/2	4,082.09	1/2	3,716.73	1/2	3,351.37	1/2	2,986.01	1/2	2,620.47	1/2	2,254.91	1/2	1,895.46
3/4		3/4	4,769.58	3/4	4,432.61	3/4	4,074.48	3/4	3,709.12	3/4	3,343.76	3/4	2,978.40	3/4	2,612.85	3/4	2,247.30	3/4	1,887.88
11		11	4,762.78	11	4,425.35	11	4,066.87	11	3,701.51	11	3,336.15	11	2,970.78	11	2,605.24	11	2,239.68	11	1,880.28
1/4		1/4	4,755.98	1/4	4,418.09	1/4	4,059.26	1/4	3,693.90	1/4	3,328.54	1/4	2,963.17	1/4	2,597.62	1/4	2,232.07	1/4	1,872.67
1/2		1/2	4,749.19	1/2	4,410.84	1/2	4,051.65	1/2	3,686.29	1/2	3,320.92	1/2	2,955.56	1/2	2,590.00	1/2	2,224.45	1/2	1,865.06
3/4		3/4	5,076.57	3/4	4,742.39	3/4	4,403.58	3/4	4,044.04	3/4	3,678.67	3/4	3,313.31	3/4	2,947.94	3/4	2,582.39	3/4	2,161.83

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER OPENING ON "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 342"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-2 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,849.84	0	1,484.21	0	1,118.59	0	753.46	0	392.78	0	73.99	0		0		0		0	
1/4	1,842.22	1/4	1,476.60	1/4	1,110.97	1/4	745.85	1/4	385.64	1/4	67.92	1/4		1/4		1/4		1/4	
1/2	1,834.60	1/2	1,468.98	1/2	1,103.35	1/2	738.23	1/2	378.50	1/2	61.85	1/2		1/2		1/2		1/2	
3/4	1,826.99	3/4	1,461.36	3/4	1,095.74	3/4	730.61	3/4	371.36	3/4	55.78	3/4		3/4		3/4		3/4	
1	1,819.37	1	1,453.74	1	1,088.12	1	723.00	1	364.30	1	50.49	1		1		1		1	
1/4	1,811.75	1/4	1,446.13	1/4	1,080.51	1/4	715.38	1/4	357.25	1/4	45.19	1/4		1/4		1/4		1/4	
1/2	1,804.14	1/2	1,438.51	1/2	1,072.90	1/2	707.76	1/2	350.20	1/2	39.90	1/2		1/2		1/2		1/2	
3/4	1,796.52	3/4	1,430.89	3/4	1,065.29	3/4	700.14	3/4	343.14	3/4	34.61	3/4		3/4		3/4		3/4	
2	1,788.90	2	1,423.28	2	1,057.68	2	692.53	2	336.17	2	30.73	2		2		2		2	
1/4	1,781.28	1/4	1,415.66	1/4	1,050.07	1/4	684.91	1/4	329.21	1/4	26.85	1/4		1/4		1/4		1/4	
1/2	1,773.67	1/2	1,408.04	1/2	1,042.46	1/2	677.29	1/2	322.24	1/2	22.97	1/2		1/2		1/2		1/2	
3/4	1,766.05	3/4	1,400.42	3/4	1,034.85	3/4	669.68	3/4	315.27	3/4	19.09	3/4		3/4		3/4		3/4	
3	1,758.43	3	1,392.81	3	1,027.24	3	662.06	3	308.39	3		3		3		3		3	
1/4	1,750.82	1/4	1,385.19	1/4	1,019.64	1/4	654.44	1/4	301.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,743.20	1/2	1,377.57	1/2	1,012.03	1/2	646.83	1/2	294.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,735.58	3/4	1,369.96	3/4	1,004.43	3/4	639.21	3/4	287.75	3/4		3/4		3/4		3/4		3/4	
4	1,727.96	4	1,362.34	4	996.82	4	631.59	4	280.95	4		4		4		4		4	
1/4	1,720.35	1/4	1,354.72	1/4	989.22	1/4	623.98	1/4	274.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,712.73	1/2	1,347.10	1/2	981.62	1/2	616.36	1/2	267.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,705.11	3/4	1,339.49	3/4	974.01	3/4	608.74	3/4	260.57	3/4		3/4		3/4		3/4		3/4	
5	1,697.50	5	1,331.87	5	966.41	5	601.12	5	253.86	5		5		5		5		5	
1/4	1,689.88	1/4	1,324.25	1/4	958.81	1/4	593.51	1/4	247.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,682.26	1/2	1,316.64	1/2	951.20	1/2	585.89	1/2	240.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,674.64	3/4	1,309.02	3/4	943.60	3/4	578.27	3/4	233.74	3/4		3/4		3/4		3/4		3/4	
6	1,667.03	6	1,301.40	6	936.00	6	570.67	6	227.12	6		6		6		6		6	
1/4	1,659.41	1/4	1,293.78	1/4	928.39	1/4	563.07	1/4	220.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,651.79	1/2	1,286.17	1/2	920.79	1/2	555.46	1/2	213.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,644.17	3/4	1,278.55	3/4	913.19	3/4	547.86	3/4	207.25	3/4		3/4		3/4		3/4		3/4	
7	1,636.56	7	1,270.93	7	905.58	7	540.30	7	200.72	7		7		7		7		7	
1/4	1,628.94	1/4	1,263.31	1/4	897.98	1/4	532.75	1/4	194.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,621.32	1/2	1,255.70	1/2	890.38	1/2	525.19	1/2	187.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,613.71	3/4	1,248.08	3/4	882.77	3/4	517.63	3/4	181.11	3/4		3/4		3/4		3/4		3/4	
8	1,606.09	8	1,240.46	8	875.17	8	510.14	8	174.67	8		8		8		8		8	
1/4	1,598.47	1/4	1,232.85	1/4	867.57	1/4	502.66	1/4	168.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,590.85	1/2	1,225.23	1/2	859.96	1/2	495.17	1/2	161.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,583.24	3/4	1,217.61	3/4	852.36	3/4	487.69	3/4	155.32	3/4		3/4		3/4		3/4		3/4	
9	1,575.62	9	1,209.99	9	844.76	9	480.29	9	148.96	9		9		9		9		9	
1/4	1,568.00	1/4	1,202.38	1/4	837.15	1/4	472.89	1/4	142.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,560.39	1/2	1,194.76	1/2	829.55	1/2	465.49	1/2	136.24	1/2		1/2		1/2		1/2		1/2	
3/4	1,552.77	3/4	1,187.14	3/4	821.95	3/4	458.09	3/4	129.88	3/4		3/4		3/4		3/4		3/4	
10	1,545.15	10	1,179.53	10	814.34	10	450.77	10	123.60	10		10		10		10		10	
1/4	1,537.53	1/4	1,171.91	1/4	806.74	1/4	443.46	1/4	117.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,529.92	1/2	1,164.29	1/2	799.14	1/2	436.14	1/2	111.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,522.30	3/4	1,156.67	3/4	791.53	3/4	428.83	3/4	104.78	3/4		3/4		3/4		3/4		3/4	
11	1,514.68	11	1,149.06	11	783.92	11	421.60	11	98.60	11		11		11		11		11	
1/4	1,507.07	1/4	1,141.44	1/4	776.31	1/4	414.38	1/4	92.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,499.45	1/2	1,133.82	1/2	768.69	1/2	407.15	1/2	86.24	1/2		1/2		1/2		1/2		1/2	
3/4	1,491.83	3/4	1,126.21	3/4	761.08	3/4	399.92	3/4	80.06	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL  
CALCULATED: 10/03/2015 CL  
PRINTED: 10/04/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2015

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



# BARGE "CTCo 342"

# 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	4,830.28	0	4,515.86	0	4,196.99	0	3,858.51	0	3,514.56	0	3,170.61	0	2,826.66	0	2,482.51	0	2,138.37
1/4	1/4	4,824.25	1/4	4,509.43	1/4	4,190.11	1/4	3,851.34	1/4	3,507.39	1/4	3,163.45	1/4	2,819.49	1/4	2,475.34	1/4	2,131.20	
1/2	1/2	4,818.21	1/2	4,503.00	1/2	4,183.23	1/2	3,844.18	1/2	3,500.23	1/2	3,156.28	1/2	2,812.32	1/2	2,468.17	1/2	2,124.03	
3/4	3/4	4,812.18	3/4	4,496.58	3/4	4,176.35	3/4	3,837.01	3/4	3,493.06	3/4	3,149.11	3/4	2,805.15	3/4	2,461.00	3/4	2,116.86	
1	1	4,806.14	1	4,490.15	1	4,169.47	1	3,829.85	1	3,485.90	1	3,141.95	1	2,797.98	1	2,453.83	1	2,109.69	
1/4	1/4	4,799.21	1/4	4,483.66	1/4	4,162.56	1/4	3,822.68	1/4	3,478.73	1/4	3,134.78	1/4	2,790.81	1/4	2,446.66	1/4	2,102.52	
1/2	1/2	4,792.28	1/2	4,477.17	1/2	4,155.64	1/2	3,815.52	1/2	3,471.57	1/2	3,127.62	1/2	2,783.64	1/2	2,439.49	1/2	2,095.35	
3/4	3/4	4,785.35	3/4	4,470.69	3/4	4,148.73	3/4	3,808.35	3/4	3,464.40	3/4	3,120.45	3/4	2,776.47	3/4	2,432.32	3/4	2,088.18	
2	2	4,778.42	2	4,464.20	2	4,141.81	2	3,801.18	2	3,457.24	2	3,113.29	2	2,769.30	2	2,425.15	2	2,081.01	
1/4	1/4	4,771.31	1/4	4,457.67	1/4	4,134.86	1/4	3,794.02	1/4	3,450.07	1/4	3,106.12	1/4	2,762.13	1/4	2,417.98	1/4	2,073.84	
1/2	1/2	4,764.21	1/2	4,451.14	1/2	4,127.91	1/2	3,786.85	1/2	3,442.90	1/2	3,098.96	1/2	2,754.96	1/2	2,410.81	1/2	2,066.67	
3/4	3/4	4,757.10	3/4	4,444.61	3/4	4,120.97	3/4	3,779.69	3/4	3,435.74	3/4	3,091.79	3/4	2,747.79	3/4	2,403.64	3/4	2,059.50	
3	3	4,749.99	3	4,438.08	3	4,114.02	3	3,772.52	3	3,428.57	3	3,084.62	3	2,740.62	3	2,396.47	3	2,052.33	
1/4	1/4	4,742.88	1/4	4,431.51	1/4	4,107.04	1/4	3,765.36	1/4	3,421.41	1/4	3,077.46	1/4	2,733.45	1/4	2,389.31	1/4	2,045.16	
1/2	1/2	4,735.77	1/2	4,424.94	1/2	4,100.06	1/2	3,758.19	1/2	3,414.24	1/2	3,070.29	1/2	2,726.28	1/2	2,382.14	1/2	2,037.99	
3/4	3/4	4,728.66	3/4	4,418.37	3/4	4,093.08	3/4	3,751.03	3/4	3,407.08	3/4	3,063.13	3/4	2,719.11	3/4	2,374.97	3/4	2,030.82	
4	4	4,721.56	4	4,411.81	4	4,086.10	4	3,743.86	4	3,399.91	4	3,055.96	4	2,711.94	4	2,367.80	4	2,023.65	
1/4	1/4	4,714.45	1/4	4,405.21	1/4	4,079.09	1/4	3,736.69	1/4	3,392.75	1/4	3,048.80	1/4	2,704.77	1/4	2,360.63	1/4	2,016.48	
1/2	1/2	4,707.34	1/2	4,398.60	1/2	4,072.08	1/2	3,729.53	1/2	3,385.58	1/2	3,041.63	1/2	2,697.60	1/2	2,353.46	1/2	2,009.31	
3/4	3/4	4,700.23	3/4	4,392.00	3/4	4,065.07	3/4	3,722.36	3/4	3,378.41	3/4	3,034.47	3/4	2,690.43	3/4	2,346.29	3/4	2,002.14	
5	5	4,693.12	5	4,385.40	5	4,058.06	5	3,715.20	5	3,371.25	5	3,027.30	5	2,683.26	5	2,339.12	5	1,994.97	
1/4	1/4	4,686.69	1/4	4,378.77	1/4	4,051.01	1/4	3,708.03	1/4	3,364.08	1/4	3,020.13	1/4	2,676.09	1/4	2,331.95	1/4	1,987.80	
1/2	1/2	4,680.26	1/2	4,372.14	1/2	4,043.96	1/2	3,700.87	1/2	3,356.92	1/2	3,012.97	1/2	2,668.92	1/2	2,324.78	1/2	1,980.63	
3/4	3/4	4,673.82	3/4	4,365.50	3/4	4,036.91	3/4	3,693.70	3/4	3,349.75	3/4	3,005.80	3/4	2,661.75	3/4	2,317.61	3/4	1,973.46	
6	6	4,667.39	6	4,358.87	6	4,029.86	6	3,686.53	6	3,342.59	6	2,998.64	6	2,654.58	6	2,310.44	6	1,966.29	
1/4	1/4	4,661.15	1/4	4,352.20	1/4	4,022.78	1/4	3,679.37	1/4	3,335.42	1/4	2,991.47	1/4	2,647.41	1/4	2,303.27	1/4	1,959.63	
1/2	1/2	4,654.92	1/2	4,345.54	1/2	4,015.69	1/2	3,672.20	1/2	3,328.25	1/2	2,984.31	1/2	2,640.24	1/2	2,296.10	1/2	1,952.97	
3/4	3/4	4,648.69	3/4	4,338.88	3/4	4,008.61	3/4	3,665.04	3/4	3,321.09	3/4	2,977.14	3/4	2,633.07	3/4	2,288.93	3/4	1,946.31	
7	7	4,642.46	7	4,332.21	7	4,001.53	7	3,657.87	7	3,313.92	7	2,969.97	7	2,625.91	7	2,281.76	7	1,939.65	
1/4	1/4	4,636.20	1/4	4,325.51	1/4	3,994.41	1/4	3,650.71	1/4	3,306.76	1/4	2,962.81	1/4	2,618.74	1/4	2,274.59	1/4	1,933.16	
1/2	1/2	4,629.93	1/2	4,318.82	1/2	3,987.30	1/2	3,643.54	1/2	3,299.59	1/2	2,955.64	1/2	2,611.57	1/2	2,267.42	1/2	1,926.67	
3/4	3/4	4,623.67	3/4	4,312.12	3/4	3,980.19	3/4	3,636.38	3/4	3,292.43	3/4	2,948.48	3/4	2,604.40	3/4	2,260.25	3/4	1,920.18	
8	8	4,617.41	8	4,305.43	8	3,973.07	8	3,629.21	8	3,285.26	8	2,941.31	8	2,597.23	8	2,253.08	8	1,913.69	
1/4	1/4	4,611.11	1/4	4,298.70	1/4	3,965.93	1/4	3,622.04	1/4	3,278.10	1/4	2,934.15	1/4	2,590.06	1/4	2,245.91	1/4	1,906.71	
1/2	1/2	4,604.82	1/2	4,291.97	1/2	3,958.78	1/2	3,614.88	1/2	3,270.93	1/2	2,926.98	1/2	2,582.89	1/2	2,238.74	1/2	1,899.74	
3/4	3/4	4,598.52	3/4	4,285.24	3/4	3,951.63	3/4	3,607.71	3/4	3,263.76	3/4	2,919.82	3/4	2,575.72	3/4	2,231.57	3/4	1,892.76	
9	9	4,592.22	9	4,278.51	9	3,944.49	9	3,600.55	9	3,256.60	9	2,912.65	9	2,568.55	9	2,224.40	9	1,885.79	
1/4	1/4	4,585.89	1/4	4,271.75	1/4	3,937.32	1/4	3,593.38	1/4	3,249.43	1/4	2,905.48	1/4	2,561.38	1/4	2,217.23	1/4	1,878.65	
1/2	1/2	4,579.56	1/2	4,264.99	1/2	3,930.16	1/2	3,586.22	1/2	3,242.27	1/2	2,898.32	1/2	2,554.21	1/2	2,210.06	1/2	1,871.52	
3/4	3/4	4,573.22	3/4	4,258.23	3/4	3,923.00	3/4	3,579.05	3/4	3,235.10	3/4	2,891.15	3/4	2,547.04	3/4	2,202.89	3/4	1,864.38	
10	10	4,566.89	10	4,251.47	10	3,915.83	10	3,571.89	10	3,227.94	10	2,883.99	10	2,539.87	10	2,195.72	10	1,857.25	
1/4	1/4	4,560.53	1/4	4,244.68	1/4	3,908.67	1/4	3,564.72	1/4	3,220.77	1/4	2,876.82	1/4	2,532.70	1/4	2,188.55	1/4	1,850.11	
1/2	1/2	4,554.16	1/2	4,237.89	1/2	3,901.50	1/2	3,557.55	1/2	3,213.61	1/2	2,869.66	1/2	2,525.53	1/2	2,181.38	1/2	1,842.97	
3/4	3/4	4,547.80	3/4	4,231.10	3/4	3,894.34	3/4	3,550.39	3/4	3,206.44	3/4	2,862.49	3/4	2,518.36	3/4	2,174.21	3/4	1,835.84	
11	11	4,541.44	11	4,224.31	11	3,887.17	11	3,543.22	11	3,199.27	11	2,855.33	11	2,511.19	11	2,167.04	11	1,828.70	
1/4	1/4	4,535.04	1/4	4,217.48	1/4	3,880.01	1/4	3,536.06	1/4	3,192.11	1/4	2,848.16	1/4	2,504.02	1/4	2,159.87	1/4	1,821.54	
1/2	1/2	4,528.65	1/2	4,210.65	1/2	3,872.84	1/2	3,528.89	1/2	3,184.94	1/2	2,840.99	1/2	2,496.85	1/2	2,152.71	1/2	1,814.38	
3/4	3/4	4,522.25	3/4	4,203.82	3/4	3,865.67	3/4	3,521.73	3/4	3,177.78	3/4	2,833.82	3/4	2,489.68	3/4	2,145.54	3/4	1,807.22	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "CTCo 342"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3"

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	1,800.05	0	1,455.84	0	1,112.48	0	781.81	0	437.60	0	93.44	0		0		0		0	
1/4	1,792.88	1/4	1,448.67	1/4	1,105.59	1/4	774.64	1/4	430.43	1/4	86.29	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,785.71	1/2	1,441.50	1/2	1,098.70	1/2	767.47	1/2	423.26	1/2	79.15	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,778.54	3/4	1,434.33	3/4	1,091.81	3/4	760.29	3/4	416.09	3/4	72.01	3/4		3/4	3/4	3/4		3/4	3/4
1	1,771.37	1	1,427.16	1	1,084.93	1	753.12	1	408.92	1	64.87	1		1	1	1		1	1
1/4	1,764.20	1/4	1,419.99	1/4	1,078.05	1/4	745.95	1/4	401.75	1/4	58.38	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,757.03	1/2	1,412.82	1/2	1,071.17	1/2	738.78	1/2	394.58	1/2	51.89	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,749.86	3/4	1,405.64	3/4	1,064.29	3/4	731.61	3/4	387.41	3/4	45.40	3/4		3/4	3/4	3/4		3/4	3/4
2	1,742.69	2	1,398.47	2	1,057.42	2	724.44	2	380.24	2	38.91	2		2	2	2		2	2
1/4	1,735.51	1/4	1,391.30	1/4	1,050.54	1/4	717.27	1/4	373.07	1/4	33.98	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,728.34	1/2	1,384.13	1/2	1,043.67	1/2	710.10	1/2	365.89	1/2	29.05	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,721.17	3/4	1,376.96	3/4	1,036.80	3/4	702.93	3/4	358.72	3/4	24.12	3/4		3/4	3/4	3/4		3/4	3/4
3	1,714.00	3	1,369.79	3	1,029.92	3	695.76	3	351.55	3	19.19	3		3	3	3		3	3
1/4	1,706.83	1/4	1,362.62	1/4	1,023.05	1/4	688.59	1/4	344.38	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,699.66	1/2	1,355.45	1/2	1,016.19	1/2	681.41	1/2	337.21	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,692.49	3/4	1,348.28	3/4	1,009.32	3/4	674.24	3/4	330.04	3/4		3/4		3/4	3/4	3/4		3/4	3/4
4	1,685.32	4	1,341.10	4	1,002.45	4	667.07	4	322.87	4		4		4	4	4		4	4
1/4	1,678.15	1/4	1,333.93	1/4	995.58	1/4	659.90	1/4	315.70	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,670.98	1/2	1,326.76	1/2	988.72	1/2	652.73	1/2	308.53	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,663.80	3/4	1,319.59	3/4	981.85	3/4	645.56	3/4	301.36	3/4		3/4		3/4	3/4	3/4		3/4	3/4
5	1,656.63	5	1,312.42	5	974.98	5	638.39	5	294.19	5		5		5	5	5		5	5
1/4	1,649.46	1/4	1,305.25	1/4	968.12	1/4	631.22	1/4	287.01	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,642.29	1/2	1,298.08	1/2	961.25	1/2	624.05	1/2	279.84	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,635.12	3/4	1,290.91	3/4	954.38	3/4	616.88	3/4	272.67	3/4		3/4		3/4	3/4	3/4		3/4	3/4
6	1,627.95	6	1,283.74	6	947.52	6	609.71	6	265.50	6		6		6	6	6		6	6
1/4	1,620.78	1/4	1,276.56	1/4	940.65	1/4	602.53	1/4	258.33	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,613.61	1/2	1,269.39	1/2	933.78	1/2	595.36	1/2	251.16	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,606.44	3/4	1,262.22	3/4	926.92	3/4	588.19	3/4	243.99	3/4		3/4		3/4	3/4	3/4		3/4	3/4
7	1,599.26	7	1,255.05	7	920.05	7	581.02	7	236.82	7		7		7	7	7		7	7
1/4	1,592.09	1/4	1,247.88	1/4	913.18	1/4	573.85	1/4	229.65	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,584.92	1/2	1,240.71	1/2	906.32	1/2	566.68	1/2	222.48	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,577.75	3/4	1,233.54	3/4	899.45	3/4	559.51	3/4	215.31	3/4		3/4		3/4	3/4	3/4		3/4	3/4
8	1,570.58	8	1,226.37	8	892.58	8	552.34	8	208.13	8		8		8	8	8		8	8
1/4	1,563.41	1/4	1,219.20	1/4	885.72	1/4	545.17	1/4	200.96	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,556.24	1/2	1,212.02	1/2	878.85	1/2	538.00	1/2	193.79	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,549.07	3/4	1,204.85	3/4	871.98	3/4	530.83	3/4	186.62	3/4		3/4		3/4	3/4	3/4		3/4	3/4
9	1,541.90	9	1,197.68	9	865.12	9	523.65	9	179.45	9		9		9	9	9		9	9
1/4	1,534.72	1/4	1,190.51	1/4	858.25	1/4	516.48	1/4	172.28	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,527.55	1/2	1,183.34	1/2	851.38	1/2	509.31	1/2	165.11	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,520.38	3/4	1,176.17	3/4	844.52	3/4	502.14	3/4	157.94	3/4		3/4		3/4	3/4	3/4		3/4	3/4
10	1,513.21	10	1,169.00	10	837.65	10	494.97	10	150.77	10		10		10	10	10		10	10
1/4	1,506.04	1/4	1,161.83	1/4	830.78	1/4	487.80	1/4	143.60	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,498.87	1/2	1,154.66	1/2	823.92	1/2	480.63	1/2	136.43	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,491.70	3/4	1,147.48	3/4	817.05	3/4	473.46	3/4	129.26	3/4		3/4		3/4	3/4	3/4		3/4	3/4
11	1,484.53	11	1,140.31	11	810.18	11	466.29	11	122.09	11		11		11	11	11		11	11
1/4	1,477.36	1/4	1,133.35	1/4	803.09	1/4	459.12	1/4	114.93	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,470.18	1/2	1,126.40	1/2	796.00	1/2	451.95	1/2	107.76	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,463.01	3/4	1,119.44	3/4	788.90	3/4	444.77	3/4	100.60	3/4		3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL  
CALCULATED: 10/03/2015 CL  
PRINTED: 10/04/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2015

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





# BARGE "CTCo 342"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,545.51	0	4,228.16	0	3,890.96	0	3,547.27	0	3,203.58	0	2,859.89	0	2,516.01	0	2,172.13
1/4		1/4		1/4	4,539.12	1/4	4,221.34	1/4	3,883.80	1/4	3,540.11	1/4	3,196.42	1/4	2,852.73	1/4	2,508.85	1/4	2,164.97
1/2		1/2		1/2	4,532.73	1/2	4,214.52	1/2	3,876.64	1/2	3,532.95	1/2	3,189.26	1/2	2,845.56	1/2	2,501.69	1/2	2,157.80
3/4		3/4	4,840.53	3/4	4,526.34	3/4	4,207.69	3/4	3,869.48	3/4	3,525.79	3/4	3,182.10	3/4	2,838.40	3/4	2,494.52	3/4	2,150.64
1		1	4,834.50	1	4,519.91	1	4,200.82	1	3,862.32	1	3,518.63	1	3,174.94	1	2,831.24	1	2,487.36	1	2,143.48
1/4		1/4	4,828.47	1/4	4,513.49	1/4	4,193.94	1/4	3,855.16	1/4	3,511.47	1/4	3,167.78	1/4	2,824.07	1/4	2,480.19	1/4	2,136.31
1/2		1/2	4,822.45	1/2	4,507.07	1/2	4,187.07	1/2	3,848.00	1/2	3,504.31	1/2	3,160.62	1/2	2,816.91	1/2	2,473.03	1/2	2,129.15
3/4		3/4	4,816.42	3/4	4,500.65	3/4	4,180.20	3/4	3,840.84	3/4	3,497.15	3/4	3,153.46	3/4	2,809.75	3/4	2,465.86	3/4	2,121.98
2		2	4,809.49	2	4,494.16	2	4,173.28	2	3,833.68	2	3,489.99	2	3,146.30	2	2,802.58	2	2,458.70	2	2,114.82
1/4		1/4	4,802.57	1/4	4,487.68	1/4	4,166.37	1/4	3,826.52	1/4	3,482.83	1/4	3,139.14	1/4	2,795.42	1/4	2,451.54	1/4	2,107.65
1/2		1/2	4,795.65	1/2	4,481.19	1/2	4,159.46	1/2	3,819.36	1/2	3,475.67	1/2	3,131.98	1/2	2,788.25	1/2	2,444.37	1/2	2,100.49
3/4		3/4	4,788.72	3/4	4,474.71	3/4	4,152.55	3/4	3,812.20	3/4	3,468.51	3/4	3,124.82	3/4	2,781.09	3/4	2,437.21	3/4	2,093.33
3		3	4,781.62	3	4,468.19	3	4,145.61	3	3,805.04	3	3,461.35	3	3,117.66	3	2,773.93	3	2,430.04	3	2,086.16
1/4		1/4	4,774.51	1/4	4,461.66	1/4	4,138.67	1/4	3,797.88	1/4	3,454.19	1/4	3,110.50	1/4	2,766.76	1/4	2,422.88	1/4	2,079.00
1/2		1/2	4,767.41	1/2	4,455.13	1/2	4,131.72	1/2	3,790.72	1/2	3,447.03	1/2	3,103.34	1/2	2,759.60	1/2	2,415.72	1/2	2,071.83
3/4		3/4	4,760.31	3/4	4,448.61	3/4	4,124.78	3/4	3,783.56	3/4	3,439.87	3/4	3,096.18	3/4	2,752.43	3/4	2,408.55	3/4	2,064.67
4		4	4,753.21	4	4,442.05	4	4,117.81	4	3,776.40	4	3,432.71	4	3,089.02	4	2,745.27	4	2,401.39	4	2,057.51
1/4		1/4	4,746.10	1/4	4,435.48	1/4	4,110.83	1/4	3,769.23	1/4	3,425.55	1/4	3,081.86	1/4	2,738.10	1/4	2,394.22	1/4	2,050.34
1/2		1/2	4,739.00	1/2	4,428.92	1/2	4,103.86	1/2	3,762.07	1/2	3,418.39	1/2	3,074.70	1/2	2,730.94	1/2	2,387.06	1/2	2,043.18
3/4		3/4	4,731.90	3/4	4,422.36	3/4	4,096.88	3/4	3,754.91	3/4	3,411.22	3/4	3,067.54	3/4	2,723.78	3/4	2,379.89	3/4	2,036.01
5		5	4,724.79	5	4,415.76	5	4,089.88	5	3,747.75	5	3,404.06	5	3,060.38	5	2,716.61	5	2,372.73	5	2,028.85
1/4		1/4	4,717.69	1/4	4,409.16	1/4	4,082.87	1/4	3,740.59	1/4	3,396.90	1/4	3,053.21	1/4	2,709.45	1/4	2,365.57	1/4	2,021.68
1/2		1/2	4,710.59	1/2	4,402.57	1/2	4,075.87	1/2	3,733.43	1/2	3,389.74	1/2	3,046.05	1/2	2,702.28	1/2	2,358.40	1/2	2,014.52
3/4		3/4	4,703.49	3/4	4,395.97	3/4	4,068.86	3/4	3,726.27	3/4	3,382.58	3/4	3,038.89	3/4	2,695.12	3/4	2,351.24	3/4	2,007.36
6		6	4,697.06	6	4,389.34	6	4,061.82	6	3,719.11	6	3,375.42	6	3,031.73	6	2,687.95	6	2,344.07	6	2,000.19
1/4		1/4	4,690.63	1/4	4,382.71	1/4	4,054.77	1/4	3,711.95	1/4	3,368.26	1/4	3,024.57	1/4	2,680.79	1/4	2,336.91	1/4	1,993.03
1/2		1/2	4,684.20	1/2	4,376.08	1/2	4,047.73	1/2	3,704.79	1/2	3,361.10	1/2	3,017.41	1/2	2,673.63	1/2	2,329.74	1/2	1,985.86
3/4		3/4	4,677.77	3/4	4,369.46	3/4	4,040.68	3/4	3,697.63	3/4	3,353.94	3/4	3,010.25	3/4	2,666.46	3/4	2,322.58	3/4	1,978.70
7		7	4,671.54	7	4,362.80	7	4,033.61	7	3,690.47	7	3,346.78	7	3,003.09	7	2,659.30	7	2,315.42	7	1,972.04
1/4		1/4	4,665.31	1/4	4,356.14	1/4	4,026.53	1/4	3,683.31	1/4	3,339.62	1/4	2,995.93	1/4	2,652.13	1/4	2,308.25	1/4	1,965.39
1/2		1/2	4,659.08	1/2	4,349.48	1/2	4,019.45	1/2	3,676.15	1/2	3,332.46	1/2	2,988.77	1/2	2,644.97	1/2	2,301.09	1/2	1,958.73
3/4		3/4	4,652.85	3/4	4,342.82	3/4	4,012.38	3/4	3,668.99	3/4	3,325.30	3/4	2,981.61	3/4	2,637.81	3/4	2,293.92	3/4	1,952.07
8		8	4,646.60	8	4,336.12	8	4,005.27	8	3,661.83	8	3,318.14	8	2,974.45	8	2,630.64	8	2,286.76	8	1,945.59
1/4		1/4	4,640.34	1/4	4,329.43	1/4	3,998.16	1/4	3,654.67	1/4	3,310.98	1/4	2,967.29	1/4	2,623.48	1/4	2,279.60	1/4	1,939.10
1/2		1/2	4,634.08	1/2	4,322.74	1/2	3,991.05	1/2	3,647.51	1/2	3,303.82	1/2	2,960.13	1/2	2,616.31	1/2	2,272.43	1/2	1,932.61
3/4		3/4	4,627.82	3/4	4,316.05	3/4	3,983.94	3/4	3,640.35	3/4	3,296.66	3/4	2,952.97	3/4	2,609.15	3/4	2,265.27	3/4	1,926.13
9		9	4,621.53	9	4,309.33	9	3,976.80	9	3,633.19	9	3,289.50	9	2,945.81	9	2,601.98	9	2,258.10	9	1,919.16
1/4		1/4	4,615.24	1/4	4,302.60	1/4	3,969.66	1/4	3,626.03	1/4	3,282.34	1/4	2,938.65	1/4	2,594.82	1/4	2,250.94	1/4	1,912.19
1/2		1/2	4,608.94	1/2	4,295.88	1/2	3,962.52	1/2	3,618.87	1/2	3,275.18	1/2	2,931.49	1/2	2,587.66	1/2	2,243.77	1/2	1,905.22
3/4		3/4	4,602.65	3/4	4,289.16	3/4	3,955.38	3/4	3,611.71	3/4	3,268.02	3/4	2,924.33	3/4	2,580.49	3/4	2,236.61	3/4	1,898.25
10		10	4,596.32	10	4,282.40	10	3,948.22	10	3,604.55	10	3,260.86	10	2,917.17	10	2,573.33	10	2,229.45	10	1,891.12
1/4		1/4	4,589.99	1/4	4,275.65	1/4	3,941.07	1/4	3,597.39	1/4	3,253.70	1/4	2,910.01	1/4	2,566.16	1/4	2,222.28	1/4	1,883.99
1/2		1/2	4,583.66	1/2	4,268.89	1/2	3,933.91	1/2	3,590.23	1/2	3,246.54	1/2	2,902.85	1/2	2,559.00	1/2	2,215.12	1/2	1,876.86
3/4		3/4	4,577.34	3/4	4,262.14	3/4	3,926.76	3/4	3,583.07	3/4	3,239.38	3/4	2,895.69	3/4	2,551.83	3/4	2,207.95	3/4	1,869.73
11		11	4,570.98	11	4,255.35	11	3,919.60	11	3,575.91	11	3,232.22	11	2,888.53	11	2,544.67	11	2,200.79	11	1,862.60
1/4		1/4	4,564.62	1/4	4,248.56	1/4	3,912.44	1/4	3,568.75	1/4	3,225.06	1/4	2,881.37	1/4	2,537.51	1/4	2,193.62	1/4	1,855.47
1/2		1/2	4,558.26	1/2	4,241.78	1/2	3,905.28	1/2	3,561.59	1/2	3,217.90	1/2	2,874.21	1/2	2,530.34	1/2	2,186.46	1/2	1,848.34
3/4		3/4	4,551.90	3/4	4,234.99	3/4	3,898.12	3/4	3,554.43	3/4	3,210.74	3/4	2,867.05	3/4	2,523.18	3/4	2,179.30	3/4	1,841.21

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 ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>





# BARGE "CTCo 342"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,834.05	0	1,490.13	0	1,146.18	0	802.68	0	458.75	0	114.83	0		0		0		0	
1/4	1,826.89	1/4	1,482.96	1/4	1,139.02	1/4	795.52	1/4	451.59	1/4	107.67	1/4		1/4	1/4		1/4	1/4	
1/2	1,819.73	1/2	1,475.79	1/2	1,131.85	1/2	788.35	1/2	444.42	1/2	100.51	1/2		1/2	1/2		1/2	1/2	
3/4	1,812.57	3/4	1,468.63	3/4	1,124.69	3/4	781.19	3/4	437.26	3/4	93.36	3/4		3/4	3/4		3/4	3/4	
1	1,805.41	1	1,461.46	1	1,117.52	1	774.02	1	430.09	1	86.22	1		1	1		1	1	
1/4	1,798.24	1/4	1,454.30	1/4	1,110.35	1/4	766.86	1/4	422.92	1/4	79.08	1/4		1/4	1/4		1/4	1/4	
1/2	1,791.08	1/2	1,447.13	1/2	1,103.19	1/2	759.69	1/2	415.76	1/2	71.95	1/2		1/2	1/2		1/2	1/2	
3/4	1,783.91	3/4	1,439.97	3/4	1,096.02	3/4	752.53	3/4	408.59	3/4	64.81	3/4		3/4	3/4		3/4	3/4	
2	1,776.75	2	1,432.80	2	1,088.86	2	745.36	2	401.43	2	58.33	2		2	2		2	2	
1/4	1,769.58	1/4	1,425.64	1/4	1,081.70	1/4	738.20	1/4	394.26	1/4	51.84	1/4		1/4	1/4		1/4	1/4	
1/2	1,762.41	1/2	1,418.47	1/2	1,074.54	1/2	731.03	1/2	387.10	1/2	45.36	1/2		1/2	1/2		1/2	1/2	
3/4	1,755.25	3/4	1,411.31	3/4	1,067.38	3/4	723.87	3/4	379.93	3/4	38.87	3/4		3/4	3/4		3/4	3/4	
3	1,748.08	3	1,404.14	3	1,060.22	3	716.70	3	372.77	3	33.95	3		3	3		3	3	
1/4	1,740.92	1/4	1,396.97	1/4	1,053.06	1/4	709.54	1/4	365.60	1/4	29.02	1/4		1/4	1/4		1/4	1/4	
1/2	1,733.75	1/2	1,389.81	1/2	1,045.90	1/2	702.37	1/2	358.44	1/2	24.10	1/2		1/2	1/2		1/2	1/2	
3/4	1,726.59	3/4	1,382.64	3/4	1,038.74	3/4	695.21	3/4	351.27	3/4	19.17	3/4		3/4	3/4		3/4	3/4	
4	1,719.42	4	1,375.48	4	1,031.58	4	688.04	4	344.11	4		4		4	4		4	4	
1/4	1,712.26	1/4	1,368.31	1/4	1,024.43	1/4	680.88	1/4	336.94	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,705.09	1/2	1,361.15	1/2	1,017.27	1/2	673.71	1/2	329.78	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,697.93	3/4	1,353.98	3/4	1,010.12	3/4	666.54	3/4	322.61	3/4		3/4		3/4	3/4		3/4	3/4	
5	1,690.76	5	1,346.82	5	1,002.97	5	659.38	5	315.45	5		5		5	5		5	5	
1/4	1,683.59	1/4	1,339.65	1/4	995.82	1/4	652.21	1/4	308.28	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,676.43	1/2	1,332.48	1/2	988.66	1/2	645.05	1/2	301.11	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,669.26	3/4	1,325.32	3/4	981.51	3/4	637.88	3/4	293.95	3/4		3/4		3/4	3/4		3/4	3/4	
6	1,662.10	6	1,318.15	6	974.36	6	630.72	6	286.78	6		6		6	6		6	6	
1/4	1,654.93	1/4	1,310.99	1/4	967.20	1/4	623.55	1/4	279.62	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,647.77	1/2	1,303.82	1/2	960.05	1/2	616.39	1/2	272.45	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,640.60	3/4	1,296.66	3/4	952.90	3/4	609.22	3/4	265.29	3/4		3/4		3/4	3/4		3/4	3/4	
7	1,633.44	7	1,289.49	7	945.75	7	602.06	7	258.12	7		7		7	7		7	7	
1/4	1,626.27	1/4	1,282.33	1/4	938.59	1/4	594.89	1/4	250.96	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,619.10	1/2	1,275.16	1/2	931.44	1/2	587.73	1/2	243.79	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,611.94	3/4	1,268.00	3/4	924.29	3/4	580.56	3/4	236.63	3/4		3/4		3/4	3/4		3/4	3/4	
8	1,604.77	8	1,260.83	8	917.14	8	573.40	8	229.46	8		8		8	8		8	8	
1/4	1,597.61	1/4	1,253.66	1/4	909.98	1/4	566.23	1/4	222.30	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,590.44	1/2	1,246.50	1/2	902.83	1/2	559.07	1/2	215.13	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,583.28	3/4	1,239.33	3/4	895.68	3/4	551.90	3/4	207.97	3/4		3/4		3/4	3/4		3/4	3/4	
9	1,576.11	9	1,232.17	9	888.52	9	544.73	9	200.80	9		9		9	9		9	9	
1/4	1,568.95	1/4	1,225.00	1/4	881.37	1/4	537.57	1/4	193.64	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,561.78	1/2	1,217.84	1/2	874.22	1/2	530.40	1/2	186.47	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,554.62	3/4	1,210.67	3/4	867.07	3/4	523.24	3/4	179.30	3/4		3/4		3/4	3/4		3/4	3/4	
10	1,547.45	10	1,203.51	10	859.91	10	516.07	10	172.14	10		10		10	10		10	10	
1/4	1,540.28	1/4	1,196.34	1/4	852.76	1/4	508.91	1/4	164.97	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,533.12	1/2	1,189.17	1/2	845.61	1/2	501.74	1/2	157.81	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,525.95	3/4	1,182.01	3/4	838.46	3/4	494.58	3/4	150.64	3/4		3/4		3/4	3/4		3/4	3/4	
11	1,518.79	11	1,174.84	11	831.30	11	487.41	11	143.48	11		11		11	11		11	11	
1/4	1,511.62	1/4	1,167.68	1/4	824.15	1/4	480.25	1/4	136.31	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,504.46	1/2	1,160.51	1/2	817.00	1/2	473.08	1/2	129.15	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,497.29	3/4	1,153.35	3/4	809.84	3/4	465.92	3/4	121.99	3/4		3/4		3/4	3/4		3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL  
CALCULATED: 10/03/2015 CL  
PRINTED: 10/04/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "CTCo 342"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-2 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	4,412.77	0	4,234.56	0	4,052.63	0	3,859.73	0	3,664.22	0	3,329.49	0	2,966.15	0	2,602.62	0	2,240.39
1/4		1/4	4,409.87	1/4	4,230.91	1/4	4,048.72	1/4	3,855.66	1/4	3,660.15	1/4	3,321.94	1/4	2,958.58	1/4	2,595.04	1/4	2,232.87
1/2		1/2	4,406.03	1/2	4,227.23	1/2	4,044.78	1/2	3,851.59	1/2	3,656.07	1/2	3,314.37	1/2	2,951.01	1/2	2,591.46	1/2	2,225.35
3/4		3/4	4,402.18	3/4	4,223.54	3/4	4,040.85	3/4	3,847.51	3/4	3,652.00	3/4	3,306.81	3/4	2,943.43	3/4	2,579.88	3/4	2,217.83
1		1	4,398.34	1	4,219.85	1	4,036.92	1	3,843.44	1	3,647.93	1	3,299.24	1	2,935.86	1	2,572.30	1	2,210.32
1/4		1/4	4,394.49	1/4	4,216.17	1/4	4,032.99	1/4	3,839.37	1/4	3,643.85	1/4	3,291.68	1/4	2,928.29	1/4	2,564.72	1/4	2,202.80
1/2		1/2	4,390.46	1/2	4,212.46	1/2	4,029.04	1/2	3,835.29	1/2	3,638.46	1/2	3,284.11	1/2	2,920.72	1/2	2,557.14	1/2	2,195.28
3/4		3/4	4,386.42	3/4	4,208.75	3/4	4,025.09	3/4	3,831.22	3/4	3,633.07	3/4	3,276.54	3/4	2,913.14	3/4	2,549.56	3/4	2,187.77
2		2	4,382.39	2	4,205.04	2	4,021.14	2	3,827.15	2	3,627.68	2	3,268.97	2	2,905.57	2	2,541.98	2	2,180.25
1/4		1/4	4,378.35	1/4	4,201.33	1/4	4,017.19	1/4	3,823.07	1/4	3,622.28	1/4	3,261.40	1/4	2,898.00	1/4	2,534.40	1/4	2,172.73
1/2		1/2	4,374.32	1/2	4,197.60	1/2	4,013.22	1/2	3,819.00	1/2	3,615.15	1/2	3,253.83	1/2	2,890.42	1/2	2,526.85	1/2	2,165.21
3/4		3/4	4,370.29	3/4	4,193.87	3/4	4,009.26	3/4	3,814.93	3/4	3,608.03	3/4	3,246.26	3/4	2,882.85	3/4	2,519.30	3/4	2,157.70
3		3	4,366.25	3	4,190.14	3	4,005.29	3	3,810.85	3	3,600.90	3	3,238.69	3	2,875.28	3	2,511.74	3	2,150.18
1/4		1/4	4,362.22	1/4	4,186.40	1/4	4,001.32	1/4	3,806.78	1/4	3,593.77	1/4	3,231.12	1/4	2,867.71	1/4	2,504.19	1/4	2,142.66
1/2		1/2	4,358.18	1/2	4,182.65	1/2	3,997.34	1/2	3,802.71	1/2	3,586.21	1/2	3,223.55	1/2	2,860.13	1/2	2,496.65	1/2	2,135.15
3/4		3/4	4,354.15	3/4	4,178.90	3/4	3,993.35	3/4	3,798.63	3/4	3,578.65	3/4	3,215.98	3/4	2,852.56	3/4	2,489.11	3/4	2,127.63
4		4	4,350.12	4	4,175.15	4	3,989.37	4	3,794.56	4	3,571.09	4	3,208.41	4	2,844.99	4	2,481.57	4	2,120.11
1/4		1/4	4,346.08	1/4	4,171.40	1/4	3,985.38	1/4	3,790.49	1/4	3,563.52	1/4	3,200.84	1/4	2,837.42	1/4	2,474.03	1/4	2,112.59
1/2		1/2	4,342.43	1/2	4,167.63	1/2	3,981.37	1/2	3,786.41	1/2	3,555.97	1/2	3,193.27	1/2	2,829.84	1/2	2,466.49	1/2	2,105.08
3/4		3/4	4,338.78	3/4	4,163.86	3/4	3,977.37	3/4	3,782.34	3/4	3,548.42	3/4	3,185.70	3/4	2,822.27	3/4	2,458.94	3/4	2,097.56
5		5	4,335.13	5	4,160.10	5	3,973.36	5	3,778.27	5	3,540.87	5	3,178.13	5	2,814.70	5	2,451.40	5	2,090.04
1/4		1/4	4,331.48	1/4	4,156.33	1/4	3,969.35	1/4	3,774.19	1/4	3,533.32	1/4	3,170.56	1/4	2,807.12	1/4	2,443.86	1/4	2,082.53
1/2		1/2	4,327.94	1/2	4,152.54	1/2	3,965.33	1/2	3,770.12	1/2	3,525.77	1/2	3,162.99	1/2	2,799.55	1/2	2,436.32	1/2	2,075.55
3/4		3/4	4,324.40	3/4	4,148.75	3/4	3,961.30	3/4	3,766.05	3/4	3,518.22	3/4	3,155.42	3/4	2,791.98	3/4	2,428.78	3/4	2,068.57
6		6	4,320.87	6	4,144.97	6	3,957.27	6	3,761.98	6	3,510.67	6	3,147.85	6	2,784.41	6	2,421.24	6	2,061.59
1/4		1/4	4,317.33	1/4	4,141.18	1/4	3,953.25	1/4	3,757.90	1/4	3,503.12	1/4	3,140.28	1/4	2,776.83	1/4	2,413.70	1/4	2,054.61
1/2		1/2	4,313.78	1/2	4,137.38	1/2	3,949.20	1/2	3,753.83	1/2	3,495.57	1/2	3,132.71	1/2	2,769.26	1/2	2,406.15	1/2	2,047.81
3/4		3/4	4,310.23	3/4	4,133.57	3/4	3,945.16	3/4	3,749.76	3/4	3,488.02	3/4	3,125.14	3/4	2,761.69	3/4	2,398.61	3/4	2,041.01
7		7	4,306.67	7	4,129.77	7	3,941.12	7	3,745.68	7	3,480.47	7	3,117.57	7	2,754.12	7	2,391.07	7	2,034.21
1/4		1/4	4,303.12	1/4	4,125.96	1/4	3,937.07	1/4	3,741.61	1/4	3,472.92	1/4	3,110.00	1/4	2,746.54	1/4	2,383.53	1/4	2,027.42
1/2		1/2	4,299.55	1/2	4,122.14	1/2	3,933.01	1/2	3,737.54	1/2	3,465.37	1/2	3,102.43	1/2	2,738.97	1/2	2,375.99	1/2	2,020.10
3/4		3/4	4,295.97	3/4	4,118.32	3/4	3,928.95	3/4	3,733.46	3/4	3,457.82	3/4	3,094.86	3/4	2,731.40	3/4	2,368.45	3/4	2,012.79
8		8	4,292.40	8	4,114.50	8	3,924.89	8	3,729.39	8	3,450.27	8	3,087.29	8	2,723.83	8	2,360.90	8	2,005.48
1/4		1/4	4,288.83	1/4	4,110.67	1/4	3,920.82	1/4	3,725.32	1/4	3,442.73	1/4	3,079.72	1/4	2,716.25	1/4	2,353.36	1/4	1,998.17
1/2		1/2	4,285.23	1/2	4,106.83	1/2	3,916.75	1/2	3,721.24	1/2	3,435.18	1/2	3,072.15	1/2	2,708.68	1/2	2,345.82	1/2	1,990.68
3/4		3/4	4,281.64	3/4	4,102.99	3/4	3,912.68	3/4	3,717.17	3/4	3,427.63	3/4	3,064.58	3/4	2,701.11	3/4	2,338.28	3/4	1,983.20
9		9	4,278.05	9	4,099.15	9	3,908.61	9	3,713.10	9	3,420.08	9	3,057.01	9	2,693.53	9	2,330.74	9	1,975.72
1/4		1/4	4,274.45	1/4	4,095.31	1/4	3,904.54	1/4	3,709.02	1/4	3,412.53	1/4	3,049.44	1/4	2,685.96	1/4	2,323.20	1/4	1,968.24
1/2		1/2	4,270.84	1/2	4,091.45	1/2	3,900.46	1/2	3,704.95	1/2	3,404.98	1/2	3,041.87	1/2	2,678.39	1/2	2,315.66	1/2	1,960.75
3/4		3/4	4,267.23	3/4	4,087.59	3/4	3,896.39	3/4	3,700.88	3/4	3,397.43	3/4	3,034.30	3/4	2,670.82	3/4	2,308.11	3/4	1,953.27
10		10	4,263.62	10	4,083.73	10	3,892.32	10	3,696.80	10	3,389.88	10	3,026.73	10	2,663.24	10	2,300.57	10	1,945.79
1/4		1/4	4,260.01	1/4	4,079.88	1/4	3,888.24	1/4	3,692.73	1/4	3,382.33	1/4	3,019.16	1/4	2,655.67	1/4	2,293.03	1/4	1,938.30
1/2		1/2	4,256.38	1/2	4,076.00	1/2	3,884.17	1/2	3,688.66	1/2	3,374.78	1/2	3,011.58	1/2	2,648.09	1/2	2,285.51	1/2	1,930.75
3/4		3/4	4,252.75	3/4	4,072.12	3/4	3,880.10	3/4	3,684.58	3/4	3,367.23	3/4	3,004.01	3/4	2,640.51	3/4	2,277.98	3/4	1,923.19
11		11	4,249.13	11	4,068.24	11	3,876.02	11	3,680.51	11	3,359.68	11	2,996.44	11	2,632.94	11	2,270.46	11	1,915.63
1/4	4,421.46	1/4	4,245.50	1/4	4,064.36	1/4	3,871.95	1/4	3,676.44	1/4	3,352.13	1/4	2,988.87	1/4	2,625.36	1/4	2,262.94	1/4	1,908.08
1/2	4,418.56	1/2	4,241.85	1/2	4,060.45	1/2	3,867.88	1/2	3,672.36	1/2	3,344.58	1/2	2,981.30	1/2	2,617.78	1/2	2,255.42	1/2	1,900.50
3/4	4,415.67	3/4	4,238.20	3/4	4,056.54	3/4	3,863.81	3/4	3,668.29	3/4	3,337.04	3/4	2,973.72	3/4	2,610.20	3/4	2,247.90	3/4	1,892.91

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CTCo 342"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-2 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	1,885.33	0	1,521.42	0	1,158.77	0	804.38	0	440.28	0	76.27	0		0		0		0	
1/4	1,877.75	1/4	1,513.84	1/4	1,151.40	1/4	796.80	1/4	432.69	1/4	68.70	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,870.17	1/2	1,506.26	1/2	1,144.04	1/2	789.21	1/2	425.11	1/2	61.83	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,862.59	3/4	1,498.68	3/4	1,136.67	3/4	781.63	3/4	417.52	3/4	54.95	3/4		3/4	3/4	3/4		3/4	3/4
1	1,855.01	1	1,491.09	1	1,129.31	1	774.04	1	409.94	1	48.08	1		1	1	1		1	1
1/4	1,847.42	1/4	1,483.51	1/4	1,121.95	1/4	766.46	1/4	402.36	1/4	41.20	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,839.84	1/2	1,475.93	1/2	1,114.59	1/2	758.87	1/2	394.77	1/2	35.98	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,832.26	3/4	1,468.35	3/4	1,107.23	3/4	751.28	3/4	387.19	3/4	30.76	3/4		3/4	3/4	3/4		3/4	3/4
2	1,824.68	2	1,460.77	2	1,099.87	2	743.70	2	379.60	2	25.53	2		2	2	2		2	2
1/4	1,817.10	1/4	1,453.19	1/4	1,092.51	1/4	736.11	1/4	372.02	1/4	20.31	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,809.52	1/2	1,445.61	1/2	1,085.16	1/2	728.53	1/2	364.43	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,801.94	3/4	1,438.02	3/4	1,077.81	3/4	720.94	3/4	356.85	3/4		3/4		3/4	3/4	3/4		3/4	3/4
3	1,794.35	3	1,430.44	3	1,070.45	3	713.36	3	349.27	3		3		3	3	3		3	3
1/4	1,786.77	1/4	1,422.86	1/4	1,063.10	1/4	705.77	1/4	341.68	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,779.19	1/2	1,415.28	1/2	1,055.75	1/2	698.18	1/2	334.10	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,771.61	3/4	1,407.70	3/4	1,048.39	3/4	690.60	3/4	326.51	3/4		3/4		3/4	3/4	3/4		3/4	3/4
4	1,764.03	4	1,400.12	4	1,041.04	4	683.01	4	318.93	4		4		4	4	4		4	4
1/4	1,756.45	1/4	1,392.53	1/4	1,033.69	1/4	675.43	1/4	311.34	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,748.87	1/2	1,384.95	1/2	1,026.34	1/2	667.84	1/2	303.76	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,741.28	3/4	1,377.37	3/4	1,018.99	3/4	660.26	3/4	296.18	3/4		3/4		3/4	3/4	3/4		3/4	3/4
5	1,733.70	5	1,369.79	5	1,011.64	5	652.67	5	288.59	5		5		5	5	5		5	5
1/4	1,726.12	1/4	1,362.21	1/4	1,004.28	1/4	645.08	1/4	281.01	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,718.54	1/2	1,354.63	1/2	996.93	1/2	637.50	1/2	273.42	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,710.96	3/4	1,347.05	3/4	989.58	3/4	629.91	3/4	265.84	3/4		3/4		3/4	3/4	3/4		3/4	3/4
6	1,703.38	6	1,339.46	6	982.23	6	622.33	6	258.25	6		6		6	6	6		6	6
1/4	1,695.79	1/4	1,331.88	1/4	974.88	1/4	614.74	1/4	250.67	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,688.21	1/2	1,324.30	1/2	967.52	1/2	607.16	1/2	243.09	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,680.63	3/4	1,316.72	3/4	960.17	3/4	599.57	3/4	235.50	3/4		3/4		3/4	3/4	3/4		3/4	3/4
7	1,673.05	7	1,309.14	7	952.82	7	591.98	7	227.91	7		7		7	7	7		7	7
1/4	1,665.47	1/4	1,301.56	1/4	945.47	1/4	584.40	1/4	220.33	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,657.89	1/2	1,293.98	1/2	938.12	1/2	576.81	1/2	212.74	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,650.31	3/4	1,286.39	3/4	930.77	3/4	569.23	3/4	205.16	3/4		3/4		3/4	3/4	3/4		3/4	3/4
8	1,642.72	8	1,278.81	8	923.41	8	561.64	8	197.57	8		8		8	8	8		8	8
1/4	1,635.14	1/4	1,271.23	1/4	916.06	1/4	554.06	1/4	189.99	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,627.56	1/2	1,263.65	1/2	908.71	1/2	546.47	1/2	182.40	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,619.98	3/4	1,256.07	3/4	901.36	3/4	538.88	3/4	174.81	3/4		3/4		3/4	3/4	3/4		3/4	3/4
9	1,612.40	9	1,248.49	9	894.01	9	531.30	9	167.23	9		9		9	9	9		9	9
1/4	1,604.82	1/4	1,240.90	1/4	886.65	1/4	523.71	1/4	159.64	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,597.24	1/2	1,233.32	1/2	879.30	1/2	516.13	1/2	152.06	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,589.65	3/4	1,225.74	3/4	871.95	3/4	508.54	3/4	144.47	3/4		3/4		3/4	3/4	3/4		3/4	3/4
10	1,582.07	10	1,218.16	10	864.60	10	500.96	10	136.88	10		10		10	10	10		10	10
1/4	1,574.49	1/4	1,210.58	1/4	857.25	1/4	493.37	1/4	129.30	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,566.91	1/2	1,203.15	1/2	849.72	1/2	485.79	1/2	121.71	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,559.33	3/4	1,195.73	3/4	842.19	3/4	478.20	3/4	114.13	3/4		3/4		3/4	3/4	3/4		3/4	3/4
11	1,551.75	11	1,188.31	11	834.67	11	470.62	11	106.55	11		11		11	11	11		11	11
1/4	1,544.16	1/4	1,180.88	1/4	827.14	1/4	463.03	1/4	98.97	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,536.58	1/2	1,173.51	1/2	819.56	1/2	455.45	1/2	91.40	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,529.00	3/4	1,166.14	3/4	811.97	3/4	447.86	3/4	83.83	3/4		3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL  
CALCULATED: 10/03/2015 CL  
PRINTED: 10/04/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "CTCo 342"

## 3 STBD

## ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-2 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	4,421.52	0	4,245.70	0	4,065.20	0	3,873.57	0	3,679.01	0	3,352.09	0	2,989.49	0	2,626.66	0	2,263.51
1/4		1/4	4,418.64	1/4	4,242.07	1/4	4,061.31	1/4	3,869.52	1/4	3,674.95	1/4	3,344.56	1/4	2,981.93	1/4	2,619.09	1/4	2,255.94
1/2		1/2	4,415.76	1/2	4,238.45	1/2	4,057.42	1/2	3,865.46	1/2	3,670.90	1/2	3,337.02	1/2	2,974.37	1/2	2,611.53	1/2	2,248.38
3/4		3/4	4,412.88	3/4	4,234.82	3/4	4,053.53	3/4	3,861.41	3/4	3,666.85	3/4	3,329.49	3/4	2,966.81	3/4	2,603.96	3/4	2,240.81
1		1	4,409.06	1	4,231.15	1	4,049.62	1	3,857.36	1	3,662.79	1	3,321.94	1	2,959.26	1	2,596.39	1	2,233.25
1/4		1/4	4,405.23	1/4	4,227.48	1/4	4,045.71	1/4	3,853.30	1/4	3,658.74	1/4	3,314.38	1/4	2,951.70	1/4	2,588.83	1/4	2,225.68
1/2		1/2	4,401.40	1/2	4,223.82	1/2	4,041.79	1/2	3,849.25	1/2	3,654.69	1/2	3,306.83	1/2	2,944.14	1/2	2,581.26	1/2	2,218.11
3/4		3/4	4,397.58	3/4	4,220.15	3/4	4,037.88	3/4	3,845.20	3/4	3,650.63	3/4	3,299.28	3/4	2,936.58	3/4	2,573.70	3/4	2,210.55
2		2	4,393.56	2	4,216.46	2	4,033.95	2	3,841.14	2	3,645.26	2	3,291.73	2	2,929.02	2	2,566.13	2	2,202.98
1/4		1/4	4,389.55	1/4	4,212.77	1/4	4,030.02	1/4	3,837.09	1/4	3,639.90	1/4	3,284.17	1/4	2,921.46	1/4	2,558.57	1/4	2,195.42
1/2		1/2	4,385.53	1/2	4,209.08	1/2	4,026.09	1/2	3,833.04	1/2	3,634.53	1/2	3,276.62	1/2	2,913.91	1/2	2,551.00	1/2	2,187.85
3/4		3/4	4,381.52	3/4	4,205.39	3/4	4,022.16	3/4	3,828.98	3/4	3,629.16	3/4	3,269.06	3/4	2,906.35	3/4	2,543.44	3/4	2,180.29
3		3	4,377.51	3	4,201.67	3	4,018.21	3	3,824.93	3	3,622.06	3	3,261.50	3	2,898.79	3	2,535.87	3	2,172.72
1/4		1/4	4,373.49	1/4	4,197.96	1/4	4,014.26	1/4	3,820.88	1/4	3,614.95	1/4	3,253.95	1/4	2,891.23	1/4	2,528.30	1/4	2,165.16
1/2		1/2	4,369.48	1/2	4,194.25	1/2	4,010.32	1/2	3,816.82	1/2	3,607.85	1/2	3,246.39	1/2	2,883.67	1/2	2,520.74	1/2	2,157.59
3/4		3/4	4,365.46	3/4	4,190.53	3/4	4,006.37	3/4	3,812.77	3/4	3,600.75	3/4	3,238.84	3/4	2,876.11	3/4	2,513.17	3/4	2,150.02
4		4	4,361.45	4	4,186.80	4	4,002.40	4	3,808.72	4	3,593.21	4	3,231.28	4	2,868.55	4	2,505.61	4	2,142.46
1/4		1/4	4,357.43	1/4	4,183.07	1/4	3,998.44	1/4	3,804.66	1/4	3,585.68	1/4	3,223.73	1/4	2,861.00	1/4	2,498.04	1/4	2,134.89
1/2		1/2	4,353.42	1/2	4,179.34	1/2	3,994.47	1/2	3,800.61	1/2	3,578.14	1/2	3,216.17	1/2	2,853.44	1/2	2,490.48	1/2	2,127.33
3/4		3/4	4,349.40	3/4	4,175.61	3/4	3,990.50	3/4	3,796.56	3/4	3,570.61	3/4	3,208.61	3/4	2,845.88	3/4	2,482.91	3/4	2,119.76
5		5	4,345.77	5	4,171.86	5	3,986.52	5	3,792.50	5	3,563.07	5	3,201.06	5	2,838.32	5	2,475.34	5	2,112.20
1/4		1/4	4,342.14	1/4	4,168.11	1/4	3,982.53	1/4	3,788.45	1/4	3,555.54	1/4	3,193.50	1/4	2,830.76	1/4	2,467.78	1/4	2,104.63
1/2		1/2	4,338.51	1/2	4,164.36	1/2	3,978.54	1/2	3,784.40	1/2	3,548.00	1/2	3,185.95	1/2	2,823.20	1/2	2,460.21	1/2	2,097.06
3/4		3/4	4,334.87	3/4	4,160.61	3/4	3,974.55	3/4	3,780.34	3/4	3,540.47	3/4	3,178.39	3/4	2,815.65	3/4	2,452.65	3/4	2,089.50
6		6	4,331.35	6	4,156.84	6	3,970.55	6	3,776.29	6	3,532.93	6	3,170.84	6	2,808.09	6	2,445.08	6	2,082.47
1/4		1/4	4,327.84	1/4	4,153.07	1/4	3,966.54	1/4	3,772.23	1/4	3,525.40	1/4	3,163.28	1/4	2,800.53	1/4	2,437.52	1/4	2,075.44
1/2		1/2	4,324.32	1/2	4,149.30	1/2	3,962.54	1/2	3,768.18	1/2	3,517.86	1/2	3,155.72	1/2	2,792.97	1/2	2,429.95	1/2	2,068.41
3/4		3/4	4,320.80	3/4	4,145.54	3/4	3,958.53	3/4	3,764.13	3/4	3,510.33	3/4	3,148.17	3/4	2,785.41	3/4	2,422.39	3/4	2,061.38
7		7	4,317.26	7	4,141.75	7	3,954.50	7	3,760.07	7	3,502.79	7	3,140.61	7	2,777.85	7	2,414.82	7	2,054.54
1/4		1/4	4,313.73	1/4	4,137.97	1/4	3,950.48	1/4	3,756.02	1/4	3,495.26	1/4	3,133.06	1/4	2,770.30	1/4	2,407.25	1/4	2,047.69
1/2		1/2	4,310.19	1/2	4,134.18	1/2	3,946.46	1/2	3,751.97	1/2	3,487.72	1/2	3,125.50	1/2	2,762.74	1/2	2,399.69	1/2	2,040.84
3/4		3/4	4,306.66	3/4	4,130.39	3/4	3,942.43	3/4	3,747.91	3/4	3,480.19	3/4	3,117.95	3/4	2,755.18	3/4	2,392.12	3/4	2,033.99
8		8	4,303.10	8	4,126.59	8	3,938.39	8	3,743.86	8	3,472.65	8	3,110.39	8	2,747.62	8	2,384.56	8	2,026.62
1/4		1/4	4,299.55	1/4	4,122.79	1/4	3,934.35	1/4	3,739.81	1/4	3,465.12	1/4	3,102.84	1/4	2,740.06	1/4	2,376.99	1/4	2,019.26
1/2		1/2	4,295.99	1/2	4,118.98	1/2	3,930.30	1/2	3,735.75	1/2	3,457.58	1/2	3,095.28	1/2	2,732.50	1/2	2,369.43	1/2	2,011.90
3/4		3/4	4,292.44	3/4	4,115.18	3/4	3,926.26	3/4	3,731.70	3/4	3,450.05	3/4	3,087.72	3/4	2,724.95	3/4	2,361.86	3/4	2,004.54
9		9	4,288.86	9	4,111.36	9	3,922.21	9	3,727.65	9	3,442.51	9	3,080.17	9	2,717.39	9	2,354.30	9	1,997.01
1/4		1/4	4,285.29	1/4	4,107.54	1/4	3,918.16	1/4	3,723.59	1/4	3,434.98	1/4	3,072.61	1/4	2,709.83	1/4	2,346.73	1/4	1,989.48
1/2		1/2	4,281.72	1/2	4,103.72	1/2	3,914.10	1/2	3,719.54	1/2	3,427.44	1/2	3,065.06	1/2	2,702.27	1/2	2,339.16	1/2	1,981.95
3/4		3/4	4,278.14	3/4	4,099.89	3/4	3,910.05	3/4	3,715.49	3/4	3,419.91	3/4	3,057.50	3/4	2,694.71	3/4	2,331.60	3/4	1,974.41
10		10	4,274.55	10	4,096.05	10	3,906.00	10	3,711.43	10	3,412.37	10	3,049.95	10	2,687.15	10	2,324.03	10	1,966.88
1/4		1/4	4,270.96	1/4	4,092.22	1/4	3,901.94	1/4	3,707.38	1/4	3,404.84	1/4	3,042.39	1/4	2,679.59	1/4	2,316.47	1/4	1,959.35
1/2		1/2	4,267.36	1/2	4,088.38	1/2	3,897.89	1/2	3,703.33	1/2	3,397.30	1/2	3,034.83	1/2	2,672.04	1/2	2,308.90	1/2	1,951.82
3/4		3/4	4,263.77	3/4	4,084.54	3/4	3,893.84	3/4	3,699.27	3/4	3,389.77	3/4	3,027.28	3/4	2,664.48	3/4	2,301.34	3/4	1,944.29
11		11	4,260.16	11	4,080.68	11	3,889.78	11	3,695.22	11	3,382.23	11	3,019.72	11	2,656.91	11	2,293.77	11	1,936.73
1/4		1/4	4,256.55	1/4	4,076.81	1/4	3,885.73	1/4	3,691.17	1/4	3,374.70	1/4	3,012.16	1/4	2,649.35	1/4	2,286.20	1/4	1,929.17
1/2		1/2	4,252.94	1/2	4,072.95	1/2	3,881.68	1/2	3,687.11	1/2	3,367.16	1/2	3,004.61	1/2	2,641.79	1/2	2,278.64	1/2	1,921.61
3/4		3/4	4,249.33	3/4	4,069.09	3/4	3,877.62	3/4	3,683.06	3/4	3,359.63	3/4	2,997.05	3/4	2,634.22	3/4	2,271.07	3/4	1,914.05

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER OPENING ON "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CTCo 342"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-2 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,906.48	0	1,543.27	0	1,180.05	0	817.38	0	454.18	0	91.04	0		0		0		0	
1/4	1,898.92	1/4	1,535.70	1/4	1,172.48	1/4	809.82	1/4	446.61	1/4	83.50	1/4		1/4		1/4		1/4	
1/2	1,891.35	1/2	1,528.13	1/2	1,164.92	1/2	802.25	1/2	439.04	1/2	75.96	1/2		1/2		1/2		1/2	
3/4	1,883.78	3/4	1,520.57	3/4	1,157.35	3/4	794.68	3/4	431.48	3/4	68.43	3/4		3/4		3/4		3/4	
1	1,876.22	1	1,513.00	1	1,149.79	1	787.11	1	423.91	1	61.58	1		1		1		1	
1/4	1,868.65	1/4	1,505.43	1/4	1,142.23	1/4	779.55	1/4	416.34	1/4	54.73	1/4		1/4		1/4		1/4	
1/2	1,861.08	1/2	1,497.87	1/2	1,134.67	1/2	771.98	1/2	408.77	1/2	47.89	1/2		1/2		1/2		1/2	
3/4	1,853.51	3/4	1,490.30	3/4	1,127.11	3/4	764.41	3/4	401.21	3/4	41.04	3/4		3/4		3/4		3/4	
2	1,845.95	2	1,482.73	2	1,119.55	2	756.85	2	393.64	2	35.84	2		2		2		2	
1/4	1,838.38	1/4	1,475.16	1/4	1,111.99	1/4	749.28	1/4	386.07	1/4	30.64	1/4		1/4		1/4		1/4	
1/2	1,830.81	1/2	1,467.60	1/2	1,104.43	1/2	741.71	1/2	378.51	1/2	25.43	1/2		1/2		1/2		1/2	
3/4	1,823.25	3/4	1,460.03	3/4	1,096.87	3/4	734.15	3/4	370.94	3/4	20.23	3/4		3/4		3/4		3/4	
3	1,815.68	3	1,452.46	3	1,089.32	3	726.58	3	363.37	3		3		3		3		3	
1/4	1,808.11	1/4	1,444.90	1/4	1,081.76	1/4	719.01	1/4	355.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,800.55	1/2	1,437.33	1/2	1,074.21	1/2	711.45	1/2	348.24	1/2		1/2		1/2		1/2		1/2	
3/4	1,792.98	3/4	1,429.76	3/4	1,066.65	3/4	703.88	3/4	340.67	3/4		3/4		3/4		3/4		3/4	
4	1,785.41	4	1,422.20	4	1,059.10	4	696.31	4	333.11	4		4		4		4		4	
1/4	1,777.84	1/4	1,414.63	1/4	1,051.55	1/4	688.75	1/4	325.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,770.28	1/2	1,407.06	1/2	1,044.00	1/2	681.18	1/2	317.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,762.71	3/4	1,399.49	3/4	1,036.45	3/4	673.61	3/4	310.41	3/4		3/4		3/4		3/4		3/4	
5	1,755.14	5	1,391.93	5	1,028.90	5	666.05	5	302.84	5		5		5		5		5	
1/4	1,747.58	1/4	1,384.36	1/4	1,021.34	1/4	658.48	1/4	295.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,740.01	1/2	1,376.79	1/2	1,013.79	1/2	650.91	1/2	287.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,732.44	3/4	1,369.23	3/4	1,006.24	3/4	643.35	3/4	280.14	3/4		3/4		3/4		3/4		3/4	
6	1,724.88	6	1,361.66	6	998.69	6	635.78	6	272.57	6		6		6		6		6	
1/4	1,717.31	1/4	1,354.09	1/4	991.14	1/4	628.21	1/4	265.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,709.74	1/2	1,346.53	1/2	983.58	1/2	620.65	1/2	257.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,702.17	3/4	1,338.96	3/4	976.03	3/4	613.08	3/4	249.87	3/4		3/4		3/4		3/4		3/4	
7	1,694.61	7	1,331.39	7	968.48	7	605.51	7	242.31	7		7		7		7		7	
1/4	1,687.04	1/4	1,323.82	1/4	960.93	1/4	597.94	1/4	234.74	1/4		1/4		1/4		1/4		1/4	
1/2	1,679.47	1/2	1,316.26	1/2	953.38	1/2	590.38	1/2	227.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,671.91	3/4	1,308.69	3/4	945.83	3/4	582.81	3/4	219.60	3/4		3/4		3/4		3/4		3/4	
8	1,664.34	8	1,301.12	8	938.27	8	575.24	8	212.04	8		8		8		8		8	
1/4	1,656.77	1/4	1,293.56	1/4	930.72	1/4	567.68	1/4	204.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,649.21	1/2	1,285.99	1/2	923.17	1/2	560.11	1/2	196.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,641.64	3/4	1,278.42	3/4	915.62	3/4	552.54	3/4	189.34	3/4		3/4		3/4		3/4		3/4	
9	1,634.07	9	1,270.86	9	908.07	9	544.98	9	181.77	9		9		9		9		9	
1/4	1,626.50	1/4	1,263.29	1/4	900.51	1/4	537.41	1/4	174.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,618.94	1/2	1,255.72	1/2	892.96	1/2	529.84	1/2	166.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,611.37	3/4	1,248.15	3/4	885.41	3/4	522.28	3/4	159.07	3/4		3/4		3/4		3/4		3/4	
10	1,603.80	10	1,240.59	10	877.86	10	514.71	10	151.50	10		10		10		10		10	
1/4	1,596.24	1/4	1,233.02	1/4	870.31	1/4	507.14	1/4	143.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,588.67	1/2	1,225.45	1/2	862.76	1/2	499.58	1/2	136.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,581.10	3/4	1,217.89	3/4	855.20	3/4	492.01	3/4	128.81	3/4		3/4		3/4		3/4		3/4	
11	1,573.54	11	1,210.32	11	847.64	11	484.44	11	121.25	11		11		11		11		11	
1/4	1,565.97	1/4	1,202.75	1/4	840.08	1/4	476.88	1/4	113.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,558.40	1/2	1,195.19	1/2	832.51	1/2	469.31	1/2	106.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,550.83	3/4	1,187.62	3/4	824.95	3/4	461.74	3/4	98.57	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL  
CALCULATED: 10/03/2015 CL  
PRINTED: 10/04/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2015

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