



# BARGE "CTCo 341"

## 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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 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
2 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	00-1/8	- 00-1/8
2 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	00-1/8	- 00-1/8
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 = 7'-00"  
 DIFF. = 5'-00" (DOWN BY STERN)

THE CORRECTION FOR 5'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 5'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 236'-03"

April 23, 2014

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CTCo 341"

# 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,783.35	0	4,444.41	0	4,084.51	0	3,718.07	0	3,351.34	0	2,984.33	0	2,617.15	0	2,249.97
1/4	1/4	1/4	1/4	1/4	4,776.54	1/4	4,437.15	1/4	4,076.88	1/4	3,710.44	1/4	3,343.70	1/4	2,976.68	1/4	2,609.50	1/4	2,242.32
1/2	1/2	1/2	1/2	1/2	4,769.70	1/2	4,429.83	1/2	4,069.24	1/2	3,702.81	1/2	3,336.05	1/2	2,969.03	1/2	2,601.85	1/2	2,234.67
3/4	3/4	3/4	3/4	3/4	5,098.11	3/4	4,762.85	3/4	4,422.51	3/4	4,061.61	3/4	3,695.17	3/4	3,328.41	3/4	2,961.38	3/4	2,227.02
1	1	1	1	1	5,092.06	1	4,756.01	1	4,415.20	1	4,053.97	1	3,687.54	1	3,320.76	1	2,953.73	1	2,219.37
1/4	1/4	1/4	1/4	1/4	5,086.01	1/4	4,749.16	1/4	4,407.88	1/4	4,046.34	1/4	3,679.90	1/4	3,313.12	1/4	2,946.08	1/4	2,211.72
1/2	1/2	1/2	1/2	1/2	5,078.82	1/2	4,742.26	1/2	4,400.52	1/2	4,038.71	1/2	3,672.27	1/2	3,305.47	1/2	2,938.43	1/2	2,204.07
3/4	3/4	3/4	3/4	3/4	5,071.62	3/4	4,735.37	3/4	4,393.16	3/4	4,031.07	3/4	3,664.64	3/4	3,297.83	3/4	2,930.78	3/4	2,196.42
2	2	2	2	2	5,064.42	2	4,728.47	2	4,385.80	2	4,023.44	2	3,657.00	2	3,290.18	2	2,923.13	2	2,188.77
1/4	1/4	1/4	1/4	1/4	5,057.23	1/4	4,721.57	1/4	4,378.44	1/4	4,015.80	1/4	3,649.37	1/4	3,282.53	1/4	2,915.48	1/4	2,181.12
1/2	1/2	1/2	1/2	1/2	5,049.65	1/2	4,714.62	1/2	4,371.05	1/2	4,008.17	1/2	3,641.73	1/2	3,274.89	1/2	2,907.84	1/2	2,173.47
3/4	3/4	3/4	3/4	3/4	5,042.08	3/4	4,707.67	3/4	4,363.65	3/4	4,000.54	3/4	3,634.10	3/4	3,267.24	3/4	2,900.19	3/4	2,165.82
3	3	3	3	3	5,034.50	3	4,700.72	3	4,356.26	3	3,992.90	3	3,626.46	3	3,259.60	3	2,892.54	3	2,158.17
1/4	1/4	1/4	1/4	1/4	5,026.92	1/4	4,693.77	1/4	4,348.86	1/4	3,985.27	1/4	3,618.83	1/4	3,251.95	1/4	2,884.89	1/4	2,150.52
1/2	1/2	1/2	1/2	1/2	5,019.35	1/2	4,686.78	1/2	4,341.44	1/2	3,977.63	1/2	3,611.20	1/2	3,244.31	1/2	2,877.24	1/2	2,142.87
3/4	3/4	3/4	3/4	3/4	5,011.77	3/4	4,679.79	3/4	4,334.01	3/4	3,970.00	3/4	3,603.56	3/4	3,236.66	3/4	2,869.59	3/4	2,135.23
4	4	4	4	4	5,004.19	4	4,672.80	4	4,326.58	4	3,962.37	4	3,595.93	4	3,229.02	4	2,861.94	4	2,127.58
1/4	1/4	1/4	1/4	1/4	4,996.62	1/4	4,665.81	1/4	4,319.15	1/4	3,954.73	1/4	3,588.29	1/4	3,221.37	1/4	2,854.29	1/4	2,119.93
1/2	1/2	1/2	1/2	1/2	4,989.04	1/2	4,658.78	1/2	4,311.69	1/2	3,947.10	1/2	3,580.66	1/2	3,213.72	1/2	2,846.64	1/2	2,112.28
3/4	3/4	3/4	3/4	3/4	4,981.46	3/4	4,651.75	3/4	4,304.23	3/4	3,939.46	3/4	3,573.03	3/4	3,206.08	3/4	2,838.99	3/4	2,104.63
5	5	5	5	5	4,973.89	5	4,644.73	5	4,296.77	5	3,931.83	5	3,565.39	5	3,198.43	5	2,831.34	5	2,096.98
1/4	1/4	1/4	1/4	1/4	4,966.31	1/4	4,637.70	1/4	4,289.31	1/4	3,924.19	1/4	3,557.76	1/4	3,190.79	1/4	2,823.69	1/4	2,089.33
1/2	1/2	1/2	1/2	1/2	4,959.21	1/2	4,630.64	1/2	4,281.81	1/2	3,916.56	1/2	3,550.12	1/2	3,183.14	1/2	2,816.04	1/2	2,081.68
3/4	3/4	3/4	3/4	3/4	4,952.11	3/4	4,623.58	3/4	4,274.31	3/4	3,908.93	3/4	3,542.48	3/4	3,175.50	3/4	2,808.39	3/4	2,074.03
6	6	6	6	6	4,945.01	6	4,616.52	6	4,266.81	6	3,901.29	6	3,534.83	6	3,167.85	6	2,800.74	6	2,066.38
1/4	1/4	1/4	1/4	1/4	4,937.92	1/4	4,609.45	1/4	4,259.31	1/4	3,893.66	1/4	3,527.19	1/4	3,160.21	1/4	2,793.09	1/4	2,058.73
1/2	1/2	1/2	1/2	1/2	4,931.28	1/2	4,602.36	1/2	4,251.77	1/2	3,886.02	1/2	3,519.55	1/2	3,152.56	1/2	2,785.44	1/2	2,051.08
3/4	3/4	3/4	3/4	3/4	4,924.64	3/4	4,595.27	3/4	4,244.23	3/4	3,878.39	3/4	3,511.90	3/4	3,144.91	3/4	2,777.79	3/4	2,043.43
7	7	7	7	7	4,918.00	7	4,588.17	7	4,236.70	7	3,870.76	7	3,504.26	7	3,137.27	7	2,770.14	7	2,035.78
1/4	1/4	1/4	1/4	1/4	4,911.36	1/4	4,581.08	1/4	4,229.16	1/4	3,863.12	1/4	3,496.61	1/4	3,129.62	1/4	2,762.49	1/4	2,028.13
1/2	1/2	1/2	1/2	1/2	4,904.69	1/2	4,573.95	1/2	4,221.59	1/2	3,855.49	1/2	3,488.97	1/2	3,121.98	1/2	2,754.84	1/2	2,020.48
3/4	3/4	3/4	3/4	3/4	4,898.02	3/4	4,566.82	3/4	4,214.02	3/4	3,847.85	3/4	3,481.32	3/4	3,114.33	3/4	2,747.19	3/4	2,012.83
8	8	8	8	8	4,891.36	8	4,559.69	8	4,206.45	8	3,840.22	8	3,473.67	8	3,106.69	8	2,739.54	8	2,005.18
1/4	1/4	1/4	1/4	1/4	4,884.69	1/4	4,552.56	1/4	4,198.87	1/4	3,832.59	1/4	3,466.03	1/4	3,099.04	1/4	2,731.89	1/4	1,997.53
1/2	1/2	1/2	1/2	1/2	4,877.98	1/2	4,545.40	1/2	4,191.27	1/2	3,824.95	1/2	3,458.38	1/2	3,091.39	1/2	2,724.24	1/2	1,989.88
3/4	3/4	3/4	3/4	3/4	4,871.28	3/4	4,538.24	3/4	4,183.66	3/4	3,817.32	3/4	3,450.74	3/4	3,083.75	3/4	2,716.59	3/4	1,982.23
9	9	9	9	9	4,864.57	9	4,531.08	9	4,176.06	9	3,809.68	9	3,443.09	9	3,076.10	9	2,708.95	9	1,974.58
1/4	1/4	1/4	1/4	1/4	4,857.86	1/4	4,523.92	1/4	4,168.46	1/4	3,802.05	1/4	3,435.45	1/4	3,068.46	1/4	2,701.30	1/4	1,966.93
1/2	1/2	1/2	1/2	1/2	4,851.12	1/2	4,516.72	1/2	4,160.83	1/2	3,794.41	1/2	3,427.80	1/2	3,060.81	1/2	2,693.65	1/2	1,959.28
3/4	3/4	3/4	3/4	3/4	4,844.38	3/4	4,509.52	3/4	4,153.20	3/4	3,786.78	3/4	3,420.16	3/4	3,053.17	3/4	2,686.00	3/4	1,951.63
10	10	10	10	10	4,837.63	10	4,502.33	10	4,145.58	10	3,779.15	10	3,412.51	10	3,045.52	10	2,678.35	10	1,943.99
1/4	1/4	1/4	1/4	1/4	4,830.89	1/4	4,495.13	1/4	4,137.95	1/4	3,771.51	1/4	3,404.86	1/4	3,037.88	1/4	2,670.70	1/4	1,936.34
1/2	1/2	1/2	1/2	1/2	4,824.11	1/2	4,487.90	1/2	4,130.32	1/2	3,763.88	1/2	3,397.22	1/2	3,030.23	1/2	2,663.05	1/2	1,928.69
3/4	3/4	3/4	3/4	3/4	4,817.34	3/4	4,480.67	3/4	4,122.68	3/4	3,756.24	3/4	3,389.57	3/4	3,022.58	3/4	2,655.40	3/4	1,921.04
11	11	11	11	11	4,810.56	11	4,473.45	11	4,115.05	11	3,748.61	11	3,381.93	11	3,014.94	11	2,647.75	11	1,913.39
1/4	1/4	1/4	1/4	1/4	4,803.78	1/4	4,466.22	1/4	4,107.41	1/4	3,740.98	1/4	3,374.28	1/4	3,007.29	1/4	2,640.10	1/4	1,905.74
1/2	1/2	1/2	1/2	1/2	4,796.97	1/2	4,458.95	1/2	4,099.78	1/2	3,733.34	1/2	3,366.64	1/2	2,999.64	1/2	2,632.45	1/2	1,898.09
3/4	3/4	3/4	3/4	3/4	4,790.16	3/4	4,451.68	3/4	4,092.14	3/4	3,725.71	3/4	3,358.99	3/4	2,991.99	3/4	2,624.80	3/4	1,890.44

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'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "CTCo 341"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,882.79	0	1,515.61	0	1,148.47	0	783.43	0	418.96	0	94.37	0		0		0		0	
1/4	1,875.14	1/4	1,507.96	1/4	1,140.84	1/4	775.80	1/4	411.63	1/4	88.15	1/4		1/4		1/4		1/4	
1/2	1,867.49	1/2	1,500.31	1/2	1,133.22	1/2	768.16	1/2	404.39	1/2	82.03	1/2		1/2		1/2		1/2	
3/4	1,859.84	3/4	1,492.66	3/4	1,125.60	3/4	760.51	3/4	397.15	3/4	75.91	3/4		3/4		3/4		3/4	
1	1,852.19	1	1,485.01	1	1,117.98	1	752.86	1	389.90	1	69.80	1		1		1		1	
1/4	1,844.54	1/4	1,477.36	1/4	1,110.36	1/4	745.21	1/4	382.66	1/4	63.68	1/4		1/4		1/4		1/4	
1/2	1,836.89	1/2	1,469.71	1/2	1,102.74	1/2	737.56	1/2	375.51	1/2	58.13	1/2		1/2		1/2		1/2	
3/4	1,829.24	3/4	1,462.06	3/4	1,095.13	3/4	729.91	3/4	368.36	3/4	52.58	3/4		3/4		3/4		3/4	
2	1,821.59	2	1,454.41	2	1,087.52	2	722.26	2	361.21	2	47.02	2		2		2		2	
1/4	1,813.94	1/4	1,446.76	1/4	1,079.90	1/4	714.61	1/4	354.06	1/4	41.47	1/4		1/4		1/4		1/4	
1/2	1,806.29	1/2	1,439.11	1/2	1,072.30	1/2	706.96	1/2	347.00	1/2	36.98	1/2		1/2		1/2		1/2	
3/4	1,798.64	3/4	1,431.46	3/4	1,064.69	3/4	699.31	3/4	339.94	3/4	32.49	3/4		3/4		3/4		3/4	
3	1,790.99	3	1,423.81	3	1,057.08	3	691.66	3	332.88	3	28.00	3		3		3		3	
1/4	1,783.34	1/4	1,416.16	1/4	1,049.48	1/4	684.01	1/4	325.83	1/4	23.51	1/4		1/4		1/4		1/4	
1/2	1,775.69	1/2	1,408.51	1/2	1,041.88	1/2	676.36	1/2	318.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,768.04	3/4	1,400.86	3/4	1,034.27	3/4	668.71	3/4	311.89	3/4		3/4		3/4		3/4		3/4	
4	1,760.39	4	1,393.21	4	1,026.67	4	661.06	4	304.92	4		4		4		4		4	
1/4	1,752.75	1/4	1,385.56	1/4	1,019.07	1/4	653.41	1/4	297.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,745.10	1/2	1,377.91	1/2	1,011.47	1/2	645.76	1/2	291.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,737.45	3/4	1,370.27	3/4	1,003.87	3/4	638.12	3/4	284.20	3/4		3/4		3/4		3/4		3/4	
5	1,729.80	5	1,362.62	5	996.27	5	630.47	5	277.32	5		5		5		5		5	
1/4	1,722.15	1/4	1,354.97	1/4	988.67	1/4	622.82	1/4	270.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,714.50	1/2	1,347.32	1/2	981.07	1/2	615.17	1/2	263.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,706.85	3/4	1,339.67	3/4	973.48	3/4	607.52	3/4	256.86	3/4		3/4		3/4		3/4		3/4	
6	1,699.20	6	1,332.02	6	965.88	6	599.87	6	250.08	6		6		6		6		6	
1/4	1,691.55	1/4	1,324.37	1/4	958.28	1/4	592.22	1/4	243.29	1/4		1/4		1/4		1/4		1/4	
1/2	1,683.90	1/2	1,316.72	1/2	950.68	1/2	584.57	1/2	236.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,676.25	3/4	1,309.07	3/4	943.08	3/4	576.92	3/4	229.90	3/4		3/4		3/4		3/4		3/4	
7	1,668.60	7	1,301.42	7	935.48	7	569.27	7	223.20	7		7		7		7		7	
1/4	1,660.95	1/4	1,293.77	1/4	927.88	1/4	561.62	1/4	216.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,653.30	1/2	1,286.12	1/2	920.28	1/2	553.98	1/2	209.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,645.65	3/4	1,278.47	3/4	912.69	3/4	546.35	3/4	203.29	3/4		3/4		3/4		3/4		3/4	
8	1,638.00	8	1,270.82	8	905.09	8	538.71	8	196.69	8		8		8		8		8	
1/4	1,630.35	1/4	1,263.17	1/4	897.49	1/4	531.07	1/4	190.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,622.70	1/2	1,255.52	1/2	889.89	1/2	523.48	1/2	183.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,615.05	3/4	1,247.87	3/4	882.29	3/4	515.88	3/4	177.05	3/4		3/4		3/4		3/4		3/4	
9	1,607.40	9	1,240.22	9	874.69	9	508.29	9	170.54	9		9		9		9		9	
1/4	1,599.75	1/4	1,232.57	1/4	867.09	1/4	500.70	1/4	164.02	1/4		1/4		1/4		1/4		1/4	
1/2	1,592.10	1/2	1,224.92	1/2	859.49	1/2	493.18	1/2	157.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,584.45	3/4	1,217.27	3/4	851.90	3/4	485.67	3/4	151.18	3/4		3/4		3/4		3/4		3/4	
10	1,576.80	10	1,209.62	10	844.30	10	478.16	10	144.76	10		10		10		10		10	
1/4	1,569.15	1/4	1,201.97	1/4	836.70	1/4	470.64	1/4	138.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,561.51	1/2	1,194.32	1/2	829.10	1/2	463.22	1/2	132.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,553.86	3/4	1,186.67	3/4	821.50	3/4	455.80	3/4	125.69	3/4		3/4		3/4		3/4		3/4	
11	1,546.21	11	1,179.03	11	813.90	11	448.38	11	119.37	11		11		11		11		11	
1/4	1,538.56	1/4	1,171.38	1/4	806.30	1/4	440.95	1/4	113.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,530.91	1/2	1,163.74	1/2	798.68	1/2	433.62	1/2	106.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,523.26	3/4	1,156.11	3/4	791.05	3/4	426.29	3/4	100.60	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2014 SW  
CALCULATED: 04/24/2014 CL  
PRINTED: 04/25/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2014

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





# BARGE "CTCo 341"

1 STBD  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-2 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,866.01	0	1,499.48	0	1,132.94	0	766.91	0	403.85	0	82.01	0		0		0		0	
1/4	1,858.37	1/4	1,491.84	1/4	1,125.31	1/4	759.27	1/4	396.62	1/4	75.90	1/4		1/4		1/4		1/4	
1/2	1,850.74	1/2	1,484.21	1/2	1,117.67	1/2	751.64	1/2	389.39	1/2	69.78	1/2		1/2		1/2		1/2	
3/4	1,843.10	3/4	1,476.57	3/4	1,110.04	3/4	744.00	3/4	382.16	3/4	63.67	3/4		3/4		3/4		3/4	
1	1,835.47	1	1,468.93	1	1,102.40	1	736.36	1	375.03	1	58.12	1		1		1		1	
1/4	1,827.83	1/4	1,461.30	1/4	1,094.77	1/4	728.73	1/4	367.89	1/4	52.57	1/4		1/4		1/4		1/4	
1/2	1,820.19	1/2	1,453.66	1/2	1,087.14	1/2	721.09	1/2	360.75	1/2	47.01	1/2		1/2		1/2		1/2	
3/4	1,812.56	3/4	1,446.03	3/4	1,079.50	3/4	713.46	3/4	353.61	3/4	41.46	3/4		3/4		3/4		3/4	
2	1,804.92	2	1,438.39	2	1,071.88	2	705.82	2	346.57	2	36.97	2		2		2		2	
1/4	1,797.29	1/4	1,430.75	1/4	1,064.25	1/4	698.18	1/4	339.52	1/4	32.48	1/4		1/4		1/4		1/4	
1/2	1,789.65	1/2	1,423.12	1/2	1,056.62	1/2	690.55	1/2	332.48	1/2	27.99	1/2		1/2		1/2		1/2	
3/4	1,782.01	3/4	1,415.48	3/4	1,048.99	3/4	682.91	3/4	325.43	3/4	23.50	3/4		3/4		3/4		3/4	
3	1,774.38	3	1,407.84	3	1,041.36	3	675.28	3	318.47	3		3		3		3		3	
1/4	1,766.74	1/4	1,400.21	1/4	1,033.73	1/4	667.64	1/4	311.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,759.11	1/2	1,392.57	1/2	1,026.11	1/2	660.00	1/2	304.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,751.47	3/4	1,384.94	3/4	1,018.48	3/4	652.37	3/4	297.61	3/4		3/4		3/4		3/4		3/4	
4	1,743.83	4	1,377.30	4	1,010.86	4	644.73	4	290.74	4		4		4		4		4	
1/4	1,736.20	1/4	1,369.66	1/4	1,003.24	1/4	637.10	1/4	283.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,728.56	1/2	1,362.03	1/2	995.61	1/2	629.46	1/2	277.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,720.92	3/4	1,354.39	3/4	987.99	3/4	621.83	3/4	270.15	3/4		3/4		3/4		3/4		3/4	
5	1,713.29	5	1,346.76	5	980.37	5	614.19	5	263.38	5		5		5		5		5	
1/4	1,705.65	1/4	1,339.12	1/4	972.75	1/4	606.55	1/4	256.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,698.02	1/2	1,331.48	1/2	965.13	1/2	598.92	1/2	249.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,690.38	3/4	1,323.85	3/4	957.50	3/4	591.28	3/4	243.05	3/4		3/4		3/4		3/4		3/4	
6	1,682.74	6	1,316.21	6	949.88	6	583.65	6	236.37	6		6		6		6		6	
1/4	1,675.11	1/4	1,308.58	1/4	942.26	1/4	576.02	1/4	229.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,667.47	1/2	1,300.94	1/2	934.64	1/2	568.39	1/2	223.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,659.84	3/4	1,293.30	3/4	927.01	3/4	560.75	3/4	216.32	3/4		3/4		3/4		3/4		3/4	
7	1,652.20	7	1,285.67	7	919.39	7	553.14	7	209.73	7		7		7		7		7	
1/4	1,644.56	1/4	1,278.03	1/4	911.77	1/4	545.52	1/4	203.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,636.93	1/2	1,270.39	1/2	904.15	1/2	537.90	1/2	196.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,629.29	3/4	1,262.76	3/4	896.53	3/4	530.28	3/4	189.95	3/4		3/4		3/4		3/4		3/4	
8	1,621.66	8	1,255.12	8	888.90	8	522.71	8	183.45	8		8		8		8		8	
1/4	1,614.02	1/4	1,247.49	1/4	881.28	1/4	515.13	1/4	176.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,606.38	1/2	1,239.85	1/2	873.66	1/2	507.56	1/2	170.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,598.75	3/4	1,232.21	3/4	866.04	3/4	499.98	3/4	163.94	3/4		3/4		3/4		3/4		3/4	
9	1,591.11	9	1,224.58	9	858.41	9	492.48	9	157.53	9		9		9		9		9	
1/4	1,583.47	1/4	1,216.94	1/4	850.79	1/4	484.98	1/4	151.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,575.84	1/2	1,209.31	1/2	843.17	1/2	477.48	1/2	144.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,568.20	3/4	1,201.67	3/4	835.55	3/4	469.98	3/4	138.30	3/4		3/4		3/4		3/4		3/4	
10	1,560.57	10	1,194.03	10	827.93	10	462.57	10	131.98	10		10		10		10		10	
1/4	1,552.93	1/4	1,186.40	1/4	820.30	1/4	455.16	1/4	125.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,545.29	1/2	1,178.76	1/2	812.68	1/2	447.76	1/2	119.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,537.66	3/4	1,171.13	3/4	805.06	3/4	440.35	3/4	113.02	3/4		3/4		3/4		3/4		3/4	
11	1,530.02	11	1,163.49	11	797.43	11	433.03	11	106.80	11		11		11		11		11	
1/4	1,522.39	1/4	1,155.85	1/4	789.80	1/4	425.71	1/4	100.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,514.75	1/2	1,148.22	1/2	782.17	1/2	418.39	1/2	94.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,507.11	3/4	1,140.58	3/4	774.54	3/4	411.07	3/4	88.13	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2014 SW  
CALCULATED: 04/24/2014 CL  
PRINTED: 04/25/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2014

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





# BARGE "CTCo 341"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,825.97	0	1,480.93	0	1,136.17	0	804.94	0	460.21	0	115.20	0		0		0		0	
1/4	1,818.78	1/4	1,473.74	1/4	1,129.12	1/4	797.90	1/4	453.02	1/4	108.01	1/4		1/4		1/4		1/4	
1/2	1,811.59	1/2	1,466.55	1/2	1,122.07	1/2	790.86	1/2	445.84	1/2	100.83	1/2		1/2		1/2		1/2	
3/4	1,804.41	3/4	1,459.36	3/4	1,115.17	3/4	783.68	3/4	438.65	3/4	93.67	3/4		3/4		3/4		3/4	
1	1,797.22	1	1,452.17	1	1,108.26	1	776.49	1	431.46	1	86.50	1		1		1		1	
1/4	1,790.03	1/4	1,444.99	1/4	1,101.36	1/4	769.30	1/4	424.27	1/4	79.33	1/4		1/4		1/4		1/4	
1/2	1,782.84	1/2	1,437.80	1/2	1,094.45	1/2	762.11	1/2	417.08	1/2	72.17	1/2		1/2		1/2		1/2	
3/4	1,775.65	3/4	1,430.61	3/4	1,087.56	3/4	754.92	3/4	409.89	3/4	65.45	3/4		3/4		3/4		3/4	
2	1,768.46	2	1,423.42	2	1,080.66	2	747.74	2	402.71	2	58.73	2		2		2		2	
1/4	1,761.27	1/4	1,416.23	1/4	1,073.76	1/4	740.55	1/4	395.52	1/4	52.01	1/4		1/4		1/4		1/4	
1/2	1,754.09	1/2	1,409.04	1/2	1,066.86	1/2	733.36	1/2	388.33	1/2	45.29	1/2		1/2		1/2		1/2	
3/4	1,746.90	3/4	1,401.85	3/4	1,059.97	3/4	726.17	3/4	381.14	3/4	39.90	3/4		3/4		3/4		3/4	
3	1,739.71	3	1,394.67	3	1,053.08	3	718.98	3	373.95	3	34.51	3		3		3		3	
1/4	1,732.52	1/4	1,387.48	1/4	1,046.19	1/4	711.79	1/4	366.77	1/4	29.12	1/4		1/4		1/4		1/4	
1/2	1,725.33	1/2	1,380.29	1/2	1,039.30	1/2	704.61	1/2	359.58	1/2	23.73	1/2		1/2		1/2		1/2	
3/4	1,718.14	3/4	1,373.10	3/4	1,032.41	3/4	697.42	3/4	352.39	3/4		3/4		3/4		3/4		3/4	
4	1,710.96	4	1,365.91	4	1,025.52	4	690.23	4	345.20	4		4		4		4		4	
1/4	1,703.77	1/4	1,358.72	1/4	1,018.64	1/4	683.04	1/4	338.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,696.58	1/2	1,351.54	1/2	1,011.75	1/2	675.85	1/2	330.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,689.39	3/4	1,344.35	3/4	1,004.87	3/4	668.67	3/4	323.64	3/4		3/4		3/4		3/4		3/4	
5	1,682.20	5	1,337.16	5	997.98	5	661.48	5	316.45	5		5		5		5		5	
1/4	1,675.01	1/4	1,329.97	1/4	991.10	1/4	654.29	1/4	309.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,667.83	1/2	1,322.78	1/2	984.22	1/2	647.10	1/2	302.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,660.64	3/4	1,315.59	3/4	977.33	3/4	639.91	3/4	294.88	3/4		3/4		3/4		3/4		3/4	
6	1,653.45	6	1,308.41	6	970.45	6	632.73	6	287.70	6		6		6		6		6	
1/4	1,646.26	1/4	1,301.22	1/4	963.56	1/4	625.54	1/4	280.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,639.07	1/2	1,294.03	1/2	956.68	1/2	618.35	1/2	273.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,631.88	3/4	1,286.84	3/4	949.80	3/4	611.16	3/4	266.13	3/4		3/4		3/4		3/4		3/4	
7	1,624.70	7	1,279.65	7	942.91	7	603.97	7	258.94	7		7		7		7		7	
1/4	1,617.51	1/4	1,272.46	1/4	936.03	1/4	596.79	1/4	251.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,610.32	1/2	1,265.28	1/2	929.15	1/2	589.60	1/2	244.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,603.13	3/4	1,258.09	3/4	922.26	3/4	582.41	3/4	237.38	3/4		3/4		3/4		3/4		3/4	
8	1,595.94	8	1,250.90	8	915.38	8	575.22	8	230.19	8		8		8		8		8	
1/4	1,588.75	1/4	1,243.71	1/4	908.50	1/4	568.03	1/4	223.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,581.56	1/2	1,236.52	1/2	901.61	1/2	560.84	1/2	215.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,574.38	3/4	1,229.33	3/4	894.73	3/4	553.66	3/4	208.63	3/4		3/4		3/4		3/4		3/4	
9	1,567.19	9	1,222.14	9	887.84	9	546.47	9	201.44	9		9		9		9		9	
1/4	1,560.00	1/4	1,214.96	1/4	880.96	1/4	539.28	1/4	194.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,552.81	1/2	1,207.77	1/2	874.08	1/2	532.09	1/2	187.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,545.62	3/4	1,200.58	3/4	867.19	3/4	524.90	3/4	179.88	3/4		3/4		3/4		3/4		3/4	
10	1,538.43	10	1,193.39	10	860.31	10	517.72	10	172.69	10		10		10		10		10	
1/4	1,531.25	1/4	1,186.20	1/4	853.43	1/4	510.53	1/4	165.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,524.06	1/2	1,179.01	1/2	846.54	1/2	503.34	1/2	158.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,516.87	3/4	1,171.83	3/4	839.66	3/4	496.15	3/4	151.12	3/4		3/4		3/4		3/4		3/4	
11	1,509.68	11	1,164.64	11	832.77	11	488.96	11	143.94	11		11		11		11		11	
1/4	1,502.49	1/4	1,157.45	1/4	825.89	1/4	481.78	1/4	136.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,495.30	1/2	1,150.26	1/2	819.01	1/2	474.59	1/2	129.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,488.12	3/4	1,143.21	3/4	811.97	3/4	467.40	3/4	122.38	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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# BARGE "CTCo 341"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0	4,569.31	0	4,251.53	0	3,913.77	0	3,569.19	0	3,224.61	0	2,880.02	0	2,535.25	0	2,190.47		
1/4	1/4	1/4		1/4	4,562.91	1/4	4,244.70	1/4	3,906.59	1/4	3,562.01	1/4	3,217.43	1/4	2,872.84	1/4	2,528.07	1/4	2,183.29		
1/2	1/2	1/2		1/2	4,556.51	1/2	4,237.86	1/2	3,899.41	1/2	3,554.83	1/2	3,210.25	1/2	2,865.66	1/2	2,520.89	1/2	2,176.11		
3/4	3/4	3/4		3/4	4,550.11	3/4	4,231.03	3/4	3,892.23	3/4	3,547.65	3/4	3,203.07	3/4	2,858.48	3/4	2,513.70	3/4	2,168.93		
1	1	1		1	4,543.68	1	4,224.15	1	3,885.06	1	3,540.47	1	3,195.89	1	2,851.30	1	2,506.52	1	2,161.74		
1/4	1/4		1/4		4,852.34	1/4	4,537.24	1/4	4,217.27	1/4	3,877.88	1/4	3,533.29	1/4	3,188.71	1/4	2,844.12	1/4	2,499.34	1/4	2,154.56
1/2	1/2		1/2		4,846.65	1/2	4,530.81	1/2	4,210.39	1/2	3,870.70	1/2	3,526.11	1/2	3,181.53	1/2	2,836.94	1/2	2,492.16	1/2	2,147.38
3/4	3/4		3/4		4,840.97	3/4	4,524.38	3/4	4,203.51	3/4	3,863.52	3/4	3,518.94	3/4	3,174.35	3/4	2,829.75	3/4	2,484.97	3/4	2,140.19
2	2	2		2	4,834.21	2	4,517.89	2	4,196.59	2	3,856.34	2	3,511.76	2	3,167.17	2	2,822.57	2	2,477.79	2	2,133.01
1/4	1/4		1/4		4,827.44	1/4	4,511.41	1/4	4,189.67	1/4	3,849.16	1/4	3,504.58	1/4	3,160.00	1/4	2,815.39	1/4	2,470.61	1/4	2,125.83
1/2	1/2		1/2		4,820.68	1/2	4,504.93	1/2	4,182.75	1/2	3,841.98	1/2	3,497.40	1/2	3,152.82	1/2	2,808.20	1/2	2,463.42	1/2	2,118.65
3/4	3/4		3/4		4,813.92	3/4	4,498.44	3/4	4,175.83	3/4	3,834.80	3/4	3,490.22	3/4	3,145.64	3/4	2,801.02	3/4	2,456.24	3/4	2,111.46
3	3	3		3	4,806.80	3	4,491.91	3	4,168.87	3	3,827.62	3	3,483.04	3	3,138.46	3	2,793.84	3	2,449.06	3	2,104.28
1/4	1/4		1/4		4,799.68	1/4	4,485.37	1/4	4,161.92	1/4	3,820.45	1/4	3,475.86	1/4	3,131.28	1/4	2,786.66	1/4	2,441.88	1/4	2,097.10
1/2	1/2		1/2		4,792.55	1/2	4,478.84	1/2	4,154.97	1/2	3,813.27	1/2	3,468.68	1/2	3,124.10	1/2	2,779.47	1/2	2,434.69	1/2	2,089.91
3/4	3/4		3/4		4,785.43	3/4	4,472.30	3/4	4,148.01	3/4	3,806.09	3/4	3,461.51	3/4	3,116.92	3/4	2,772.29	3/4	2,427.51	3/4	2,082.73
4	4	4		4	4,778.31	4	4,465.73	4	4,141.03	4	3,798.91	4	3,454.33	4	3,109.74	4	2,765.11	4	2,420.33	4	2,075.55
1/4	1/4		1/4		4,771.19	1/4	4,459.16	1/4	4,134.04	1/4	3,791.73	1/4	3,447.15	1/4	3,102.57	1/4	2,757.92	1/4	2,413.14	1/4	2,068.37
1/2	1/2		1/2		4,764.07	1/2	4,452.59	1/2	4,127.06	1/2	3,784.55	1/2	3,439.97	1/2	3,095.39	1/2	2,750.74	1/2	2,405.96	1/2	2,061.18
3/4	3/4		3/4		4,756.95	3/4	4,446.02	3/4	4,120.07	3/4	3,777.37	3/4	3,432.79	3/4	3,088.21	3/4	2,743.56	3/4	2,398.78	3/4	2,054.00
5	5	5		5	4,749.83	5	4,439.25	5	4,113.06	5	3,770.19	5	3,425.61	5	3,081.03	5	2,736.37	5	2,391.60	5	2,046.82
1/4	1/4		1/4		4,742.70	1/4	4,432.80	1/4	4,106.04	1/4	3,763.02	1/4	3,418.43	1/4	3,073.85	1/4	2,729.19	1/4	2,384.41	1/4	2,039.63
1/2	1/2		1/2		4,735.58	1/2	4,426.19	1/2	4,099.02	1/2	3,755.84	1/2	3,411.25	1/2	3,066.67	1/2	2,722.01	1/2	2,377.23	1/2	2,032.45
3/4	3/4		3/4		4,728.46	3/4	4,419.59	3/4	4,092.01	3/4	3,748.66	3/4	3,404.08	3/4	3,059.49	3/4	2,714.83	3/4	2,370.05	3/4	2,025.27
6	6	6		6	4,721.79	6	4,412.95	6	4,084.96	6	3,741.48	6	3,396.90	6	3,052.31	6	2,707.64	6	2,362.86	6	2,018.08
1/4	1/4		1/4		4,715.12	1/4	4,406.31	1/4	4,077.90	1/4	3,734.30	1/4	3,389.72	1/4	3,045.14	1/4	2,700.46	1/4	2,355.68	1/4	2,010.90
1/2	1/2		1/2		4,708.44	1/2	4,399.67	1/2	4,070.85	1/2	3,727.12	1/2	3,382.54	1/2	3,037.96	1/2	2,693.28	1/2	2,348.50	1/2	2,003.72
3/4	3/4		3/4		4,701.77	3/4	4,393.03	3/4	4,063.80	3/4	3,719.94	3/4	3,375.36	3/4	3,030.78	3/4	2,686.09	3/4	2,341.32	3/4	1,996.54
7	7	7		7	4,695.53	7	4,386.36	7	4,056.71	7	3,712.76	7	3,368.18	7	3,023.60	7	2,678.91	7	2,334.13	7	1,989.35
1/4	1/4		1/4		4,689.30	1/4	4,379.69	1/4	4,049.62	1/4	3,705.58	1/4	3,361.00	1/4	3,016.42	1/4	2,671.73	1/4	2,326.95	1/4	1,982.17
1/2	1/2		1/2		4,683.06	1/2	4,373.02	1/2	4,042.53	1/2	3,698.41	1/2	3,353.82	1/2	3,009.24	1/2	2,664.55	1/2	2,319.77	1/2	1,974.99
3/4	3/4		3/4		4,676.82	3/4	4,366.35	3/4	4,035.45	3/4	3,691.23	3/4	3,346.64	3/4	3,002.06	3/4	2,657.36	3/4	2,312.58	3/4	1,967.80
8	8	8		8	4,670.55	8	4,359.65	8	4,028.33	8	3,684.05	8	3,339.47	8	2,994.88	8	2,650.18	8	2,305.40	8	1,960.62
1/4	1/4		1/4		4,664.28	1/4	4,352.95	1/4	4,021.21	1/4	3,676.87	1/4	3,332.29	1/4	2,987.70	1/4	2,643.00	1/4	2,298.22	1/4	1,953.44
1/2	1/2		1/2		4,658.01	1/2	4,346.25	1/2	4,014.09	1/2	3,669.69	1/2	3,325.11	1/2	2,980.53	1/2	2,635.81	1/2	2,291.04	1/2	1,946.26
3/4	3/4		3/4		4,651.75	3/4	4,339.54	3/4	4,006.97	3/4	3,662.51	3/4	3,317.93	3/4	2,973.35	3/4	2,628.63	3/4	2,283.85	3/4	1,939.07
9	9	9		9	4,645.44	9	4,332.81	9	3,999.82	9	3,655.33	9	3,310.75	9	2,966.17	9	2,621.45	9	2,276.67	9	1,931.89
1/4	1/4		1/4		4,639.14	1/4	4,326.08	1/4	3,992.67	1/4	3,648.15	1/4	3,303.57	1/4	2,958.99	1/4	2,614.27	1/4	2,269.49	1/4	1,924.71
1/2	1/2		1/2		4,632.84	1/2	4,319.34	1/2	3,985.51	1/2	3,640.98	1/2	3,296.39	1/2	2,951.81	1/2	2,607.08	1/2	2,262.30	1/2	1,917.52
3/4	3/4		3/4		4,626.54	3/4	4,312.61	3/4	3,978.36	3/4	3,633.80	3/4	3,289.21	3/4	2,944.63	3/4	2,599.90	3/4	2,255.12	3/4	1,910.34
10	10	10		10	4,620.20	10	4,305.85	10	3,971.19	10	3,626.62	10	3,282.04	10	2,937.45	10	2,592.72	10	2,247.94	10	1,903.16
1/4	1/4		1/4		4,613.86	1/4	4,299.08	1/4	3,964.01	1/4	3,619.44	1/4	3,274.86	1/4	2,930.27	1/4	2,585.53	1/4	2,240.75	1/4	1,895.98
1/2	1/2		1/2		4,607.53	1/2	4,292.32	1/2	3,956.84	1/2	3,612.26	1/2	3,267.68	1/2	2,923.10	1/2	2,578.35	1/2	2,233.57	1/2	1,888.79
3/4	3/4		3/4		4,601.19	3/4	4,285.55	3/4	3,949.66	3/4	3,605.08	3/4	3,260.50	3/4	2,915.92	3/4	2,571.17	3/4	2,226.39	3/4	1,881.61
11	11	11		11	4,594.82	11	4,278.75	11	3,942.49	11	3,597.90	11	3,253.32	11	2,908.74	11	2,563.99	11	2,219.21	11	1,874.43
1/4	1/4		1/4		4,588.45	1/4	4,271.96	1/4	3,935.31	1/4	3,590.72	1/4	3,246.14	1/4	2,901.56	1/4	2,556.80	1/4	2,212.02	1/4	1,867.24
1/2	1/2		1/2		4,582.08	1/2	4,265.16	1/2	3,928.13	1/2	3,583.55	1/2	3,238.96	1/2	2,894.38	1/2	2,549.62	1/2	2,204.84	1/2	1,860.06
3/4	3/4		3/4		4,575.71	3/4	4,258.36	3/4	3,920.95	3/4	3,576.37	3/4	3,231.78	3/4	2,887.20	3/4	2,542.44	3/4	2,197.66	3/4	1,852.88

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 41'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "CTCo 341"

## 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	1,845.70	0	1,500.92	0	1,156.14	0	811.80	0	467.05	0	122.29	0		0		0		0	
1/4	1,838.51	1/4	1,493.73	1/4	1,148.95	1/4	804.62	1/4	459.87	1/4	115.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,831.33	1/2	1,486.55	1/2	1,141.77	1/2	797.44	1/2	452.68	1/2	107.94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,824.15	3/4	1,479.37	3/4	1,134.59	3/4	790.27	3/4	445.50	3/4	100.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,816.96	1	1,472.18	1	1,127.41	1	783.08	1	438.32	1	93.60	1	1	1	1	1	1	1	1
1/4	1,809.78	1/4	1,465.00	1/4	1,120.22	1/4	775.90	1/4	431.14	1/4	86.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,802.60	1/2	1,457.82	1/2	1,113.04	1/2	768.72	1/2	423.95	1/2	79.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,795.42	3/4	1,450.64	3/4	1,105.86	3/4	761.54	3/4	416.77	3/4	72.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,788.23	2	1,443.45	2	1,098.68	2	754.35	2	409.59	2	65.41	2	2	2	2	2	2	2	2
1/4	1,781.05	1/4	1,436.27	1/4	1,091.50	1/4	747.17	1/4	402.41	1/4	58.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,773.87	1/2	1,429.09	1/2	1,084.32	1/2	739.99	1/2	395.22	1/2	51.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,766.68	3/4	1,421.90	3/4	1,077.14	3/4	732.81	3/4	388.04	3/4	45.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,759.50	3	1,414.72	3	1,069.96	3	725.62	3	380.86	3	39.87	3	3	3	3	3	3	3	3
1/4	1,752.32	1/4	1,407.54	1/4	1,062.78	1/4	718.44	1/4	373.68	1/4	34.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,745.13	1/2	1,400.36	1/2	1,055.61	1/2	711.26	1/2	366.49	1/2	29.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,737.95	3/4	1,393.17	3/4	1,048.43	3/4	704.07	3/4	359.31	3/4	23.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,730.77	4	1,385.99	4	1,041.25	4	696.89	4	352.13	4		4	4	4	4	4	4	4	4
1/4	1,723.59	1/4	1,378.81	1/4	1,034.08	1/4	689.71	1/4	344.94	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,716.40	1/2	1,371.62	1/2	1,026.91	1/2	682.53	1/2	337.76	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,709.22	3/4	1,364.44	3/4	1,019.73	3/4	675.34	3/4	330.58	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,702.04	5	1,357.26	5	1,012.56	5	668.16	5	323.40	5		5	5	5	5	5	5	5	5
1/4	1,694.85	1/4	1,350.08	1/4	1,005.39	1/4	660.98	1/4	316.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,687.67	1/2	1,342.89	1/2	998.22	1/2	653.80	1/2	309.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,680.49	3/4	1,335.71	3/4	991.05	3/4	646.61	3/4	301.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,673.31	6	1,328.53	6	983.88	6	639.43	6	294.67	6		6	6	6	6	6	6	6	6
1/4	1,666.12	1/4	1,321.34	1/4	976.71	1/4	632.25	1/4	287.48	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,658.94	1/2	1,314.16	1/2	969.54	1/2	625.07	1/2	280.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,651.76	3/4	1,306.98	3/4	962.37	3/4	617.88	3/4	273.12	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,644.57	7	1,299.79	7	955.20	7	610.70	7	265.94	7		7	7	7	7	7	7	7	7
1/4	1,637.39	1/4	1,292.61	1/4	948.03	1/4	603.52	1/4	258.75	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,630.21	1/2	1,285.43	1/2	940.86	1/2	596.34	1/2	251.57	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,623.03	3/4	1,278.25	3/4	933.69	3/4	589.15	3/4	244.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,615.84	8	1,271.06	8	926.52	8	581.97	8	237.21	8		8	8	8	8	8	8	8	8
1/4	1,608.66	1/4	1,263.88	1/4	919.35	1/4	574.79	1/4	230.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,601.48	1/2	1,256.70	1/2	912.18	1/2	567.61	1/2	222.84	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,594.29	3/4	1,249.51	3/4	905.01	3/4	560.42	3/4	215.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,587.11	9	1,242.33	9	897.84	9	553.24	9	208.48	9		9	9	9	9	9	9	9	9
1/4	1,579.93	1/4	1,235.15	1/4	890.67	1/4	546.06	1/4	201.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,572.75	1/2	1,227.97	1/2	883.50	1/2	538.88	1/2	194.11	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,565.56	3/4	1,220.78	3/4	876.33	3/4	531.69	3/4	186.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,558.38	10	1,213.60	10	869.16	10	524.51	10	179.75	10		10	10	10	10	10	10	10	10
1/4	1,551.20	1/4	1,206.42	1/4	861.99	1/4	517.33	1/4	172.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,544.01	1/2	1,199.23	1/2	854.82	1/2	510.14	1/2	165.38	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,536.83	3/4	1,192.05	3/4	847.65	3/4	502.96	3/4	158.20	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,529.65	11	1,184.87	11	840.49	11	495.78	11	151.02	11		11	11	11	11	11	11	11	11
1/4	1,522.46	1/4	1,177.69	1/4	833.32	1/4	488.60	1/4	143.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,515.28	1/2	1,170.50	1/2	826.15	1/2	481.41	1/2	136.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,508.10	3/4	1,163.32	3/4	818.98	3/4	474.23	3/4	129.47	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2014 SW  
CALCULATED: 04/24/2014 CL  
PRINTED: 04/25/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2014

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



# BARGE "CTCo 341"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
		1/4	4,444.79	1/4	4,440.12	1/4	4,207.67	1/4	3,966.02	1/4	3,714.39	1/4	3,386.57	1/4	3,023.56	1/4	2,660.24	1/4	2,297.78
1/4		1/2	4,435.44	1/2	4,440.12	1/2	4,207.67	1/2	3,966.02	1/2	3,714.39	1/2	3,386.57	1/2	3,023.56	1/2	2,660.24	1/2	2,297.78
1/2		3/4	4,430.76	3/4	4,435.44	3/4	4,197.68	3/4	3,950.29	3/4	3,698.67	3/4	3,363.93	3/4	3,000.86	3/4	2,637.52	3/4	2,275.20
3/4			4,426.06		4,430.76		4,192.66		3,945.05		3,693.42		3,356.39		2,993.29		2,629.94		2,267.69
	1/4		4,650.18	1/4	4,421.36	1/4	4,187.64	1/4	3,939.81	1/4	3,688.18	1/4	3,348.84	1/4	2,985.72	1/4	2,622.37	1/4	2,260.17
1/4		1/2	4,646.50	1/2	4,416.66	1/2	4,182.61	1/2	3,934.56	1/2	3,682.94	1/2	3,341.30	1/2	2,978.15	1/2	2,614.79	1/2	2,252.66
1/2		3/4	4,642.81	3/4	4,411.96	3/4	4,177.59	3/4	3,929.32	3/4	3,677.70	3/4	3,333.75	3/4	2,970.58	3/4	2,607.21	3/4	2,245.14
3/4			4,637.99		4,407.22		4,172.53		3,924.08		3,672.45		3,326.19		2,963.01		2,599.64		2,237.63
	1/4		4,633.17	1/4	4,402.49	1/4	4,167.48	1/4	3,918.84	1/4	3,667.21	1/4	3,318.64	1/4	2,955.44	1/4	2,592.06	1/4	2,230.12
1/4		1/2	4,628.34	1/2	4,397.75	1/2	4,162.43	1/2	3,913.60	1/2	3,661.97	1/2	3,311.08	1/2	2,947.88	1/2	2,584.48	1/2	2,222.60
1/2		3/4	4,623.52	3/4	4,393.01	3/4	4,157.37	3/4	3,908.35	3/4	3,656.73	3/4	3,303.53	3/4	2,940.31	3/4	2,576.91	3/4	2,215.09
3/4			4,618.32		4,388.24		4,152.29		3,903.11		3,650.90		3,295.96		2,932.74		2,569.33		2,207.58
	1/4		4,613.12	1/4	4,383.47	1/4	4,147.22	1/4	3,897.87	1/4	3,645.07	1/4	3,288.39	1/4	2,925.17	1/4	2,561.76	1/4	2,200.06
1/4		1/2	4,607.91	1/2	4,378.69	1/2	4,142.14	1/2	3,892.63	1/2	3,639.24	1/2	3,280.83	1/2	2,917.60	1/2	2,554.18	1/2	2,192.55
1/2		3/4	4,602.71	3/4	4,373.92	3/4	4,137.06	3/4	3,887.38	3/4	3,633.41	3/4	3,273.26	3/4	2,910.03	3/4	2,546.60	3/4	2,185.04
3/4			4,597.51		4,369.12		4,131.96		3,882.14		3,626.43		3,265.69		2,902.46		2,539.04		2,177.52
	1/4		4,592.30	1/4	4,364.32	1/4	4,126.86	1/4	3,876.90	1/4	3,619.44	1/4	3,258.13	1/4	2,894.89	1/4	2,531.49	1/4	2,170.01
1/4		1/2	4,587.10	1/2	4,359.52	1/2	4,121.76	1/2	3,871.66	1/2	3,612.46	1/2	3,250.56	1/2	2,887.32	1/2	2,523.93	1/2	2,162.49
1/2		3/4	4,581.90	3/4	4,354.72	3/4	4,116.66	3/4	3,866.42	3/4	3,605.47	3/4	3,242.99	3/4	2,879.75	3/4	2,516.37	3/4	2,154.98
3/4			4,576.69		4,349.89		4,111.54		3,861.17		3,597.91		3,235.43		2,872.18		2,508.83		2,147.47
	1/4		4,571.49	1/4	4,345.07	1/4	4,106.41	1/4	3,855.93	1/4	3,590.36	1/4	3,227.86	1/4	2,864.61	1/4	2,501.30	1/4	2,139.95
1/4		1/2	4,566.29	1/2	4,340.24	1/2	4,101.29	1/2	3,850.69	1/2	3,582.80	1/2	3,220.29	1/2	2,857.04	1/2	2,493.76	1/2	2,132.44
1/2		3/4	4,561.09	3/4	4,335.41	3/4	4,096.16	3/4	3,845.45	3/4	3,575.24	3/4	3,212.73	3/4	2,849.47	3/4	2,486.22	3/4	2,124.93
3/4			4,556.21		4,330.56		4,091.01		3,840.20		3,567.69		3,205.16		2,841.91		2,478.68		2,117.41
	1/4		4,551.34	1/4	4,325.72	1/4	4,085.86	1/4	3,834.96	1/4	3,560.14	1/4	3,197.59	1/4	2,834.34	1/4	2,471.14	1/4	2,109.90
1/4		1/2	4,546.46	1/2	4,320.87	1/2	4,080.72	1/2	3,829.72	1/2	3,552.59	1/2	3,190.03	1/2	2,826.77	1/2	2,463.61	1/2	2,102.38
1/2		3/4	4,541.59	3/4	4,316.02	3/4	4,075.57	3/4	3,824.48	3/4	3,545.03	3/4	3,182.46	3/4	2,819.20	3/4	2,456.07	3/4	2,094.87
3/4			4,537.03		4,311.15		4,070.39		3,819.24		3,537.49		3,174.89		2,811.63		2,448.53		2,087.36
	1/4		4,532.47	1/4	4,306.27	1/4	4,065.21	1/4	3,813.99	1/4	3,529.94	1/4	3,167.33	1/4	2,804.06	1/4	2,440.99	1/4	2,079.84
1/4		1/2	4,527.91	1/2	4,301.40	1/2	4,060.04	1/2	3,808.75	1/2	3,522.40	1/2	3,159.76	1/2	2,796.49	1/2	2,433.45	1/2	2,072.33
1/2		3/4	4,523.35	3/4	4,296.53	3/4	4,054.86	3/4	3,803.51	3/4	3,514.85	3/4	3,152.19	3/4	2,788.92	3/4	2,425.92	3/4	2,064.82
3/4			4,518.77		4,291.63		4,049.66		3,798.27		3,507.31		3,144.63		2,781.35		2,418.38		2,057.30
	1/4		4,514.19	1/4	4,286.74	1/4	4,044.46	1/4	3,793.02	1/4	3,499.76	1/4	3,137.06	1/4	2,773.78	1/4	2,410.84	1/4	2,049.79
1/4		1/2	4,509.61	1/2	4,281.84	1/2	4,039.27	1/2	3,787.78	1/2	3,492.21	1/2	3,129.49	1/2	2,766.21	1/2	2,403.30	1/2	2,042.28
1/2		3/4	4,505.03	3/4	4,276.95	3/4	4,034.07	3/4	3,782.54	3/4	3,484.67	3/4	3,121.93	3/4	2,758.64	3/4	2,395.76	3/4	2,034.76
3/4			4,500.43		4,272.03		4,028.84		3,777.30		3,477.12		3,114.36		2,751.07		2,388.22		2,027.25
	1/4		4,495.82	1/4	4,267.11	1/4	4,023.62	1/4	3,772.06	1/4	3,469.58	1/4	3,106.79	1/4	2,743.50	1/4	2,380.69	1/4	2,019.73
1/4		1/2	4,491.22	1/2	4,262.19	1/2	4,018.40	1/2	3,766.81	1/2	3,462.03	1/2	3,099.23	1/2	2,735.94	1/2	2,373.15	1/2	2,012.22
1/2		3/4	4,486.61	3/4	4,257.27	3/4	4,013.18	3/4	3,761.57	3/4	3,454.48	3/4	3,091.66	3/4	2,728.37	3/4	2,365.61	3/4	2,004.71
3/4			4,481.98		4,252.33		4,007.94		3,756.33		3,446.94		3,084.10		2,720.80		2,358.07		1,997.19
	1/4		4,477.35	1/4	4,247.39	1/4	4,002.70	1/4	3,751.09	1/4	3,439.39	1/4	3,076.53	1/4	2,713.23	1/4	2,350.53	1/4	1,989.68
1/4		1/2	4,472.72	1/2	4,242.45	1/2	3,997.47	1/2	3,745.85	1/2	3,431.85	1/2	3,068.96	1/2	2,705.66	1/2	2,343.00	1/2	1,982.17
1/2		3/4	4,468.09	3/4	4,237.51	3/4	3,992.23	3/4	3,740.60	3/4	3,424.30	3/4	3,061.40	3/4	2,698.09	3/4	2,335.46	3/4	1,974.65
3/4			4,463.43		4,232.54		3,986.99		3,735.36		3,416.75		3,053.83		2,690.52		2,327.92		1,967.14
	1/4		4,458.78	1/4	4,227.58	1/4	3,981.74	1/4	3,730.12	1/4	3,409.21	1/4	3,046.26	1/4	2,682.95	1/4	2,320.38	1/4	1,959.62
1/4		1/2	4,454.13	1/2	4,222.61	1/2	3,976.50	1/2	3,724.88	1/2	3,401.66	1/2	3,038.70	1/2	2,675.38	1/2	2,312.84	1/2	1,952.11
1/2		3/4	4,449.47	3/4	4,217.65	3/4	3,971.26	3/4	3,719.63	3/4	3,394.12	3/4	3,031.13	3/4	2,667.81	3/4	2,305.31	3/4	1,944.60

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CTCo 341"

## 3 PORT 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	1,937.05	0	1,573.47	0	1,209.90	0	856.57	0	493.05	0	129.21	0		0		0		0	
1/4	1,929.50	1/4	1,565.89	1/4	1,202.43	1/4	849.11	1/4	485.47	1/4	121.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,921.96	1/2	1,558.31	1/2	1,194.96	1/2	841.64	1/2	477.89	1/2	114.06	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,914.41	3/4	1,550.74	3/4	1,187.48	3/4	834.18	3/4	470.31	3/4	106.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,906.83	1	1,543.16	1	1,180.12	1	826.60	1	462.73	1	98.91	1	1	1	1	1	1	1	1
1/4	1,899.26	1/4	1,535.58	1/4	1,172.75	1/4	819.02	1/4	455.15	1/4	91.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,891.68	1/2	1,528.01	1/2	1,165.39	1/2	811.44	1/2	447.57	1/2	83.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,884.10	3/4	1,520.43	3/4	1,158.02	3/4	803.86	3/4	439.99	3/4	76.21	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,876.53	2	1,512.85	2	1,150.66	2	796.28	2	432.41	2	69.11	2	2	2	2	2	2	2	2
1/4	1,868.95	1/4	1,505.28	1/4	1,143.30	1/4	788.70	1/4	424.83	1/4	62.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,861.37	1/2	1,497.70	1/2	1,135.94	1/2	781.12	1/2	417.25	1/2	54.92	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,853.80	3/4	1,490.13	3/4	1,128.58	3/4	773.53	3/4	409.67	3/4	47.82	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,846.22	3	1,482.55	3	1,121.22	3	765.95	3	402.09	3	42.12	3	3	3	3	3	3	3	3
1/4	1,838.64	1/4	1,474.97	1/4	1,113.87	1/4	758.37	1/4	394.51	1/4	36.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,831.07	1/2	1,467.40	1/2	1,106.51	1/2	750.79	1/2	386.94	1/2	30.74	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,823.49	3/4	1,459.82	3/4	1,099.16	3/4	743.21	3/4	379.36	3/4	25.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,815.91	4	1,452.24	4	1,091.81	4	735.63	4	371.78	4		4	4	4	4	4	4	4	4
1/4	1,808.34	1/4	1,444.67	1/4	1,084.46	1/4	728.05	1/4	364.20	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,800.76	1/2	1,437.09	1/2	1,077.11	1/2	720.47	1/2	356.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,793.19	3/4	1,429.51	3/4	1,069.76	3/4	712.89	3/4	349.04	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,785.61	5	1,421.94	5	1,062.41	5	705.31	5	341.46	5		5	5	5	5	5	5	5	5
1/4	1,778.03	1/4	1,414.36	1/4	1,055.06	1/4	697.73	1/4	333.88	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,770.46	1/2	1,406.78	1/2	1,047.71	1/2	690.15	1/2	326.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,762.88	3/4	1,399.21	3/4	1,040.37	3/4	682.57	3/4	318.72	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,755.30	6	1,391.63	6	1,033.02	6	674.99	6	311.14	6		6	6	6	6	6	6	6	6
1/4	1,747.73	1/4	1,384.05	1/4	1,025.67	1/4	667.40	1/4	303.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,740.15	1/2	1,376.48	1/2	1,018.33	1/2	659.82	1/2	295.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,732.57	3/4	1,368.90	3/4	1,010.98	3/4	652.24	3/4	288.40	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,725.00	7	1,361.32	7	1,003.63	7	644.66	7	280.82	7		7	7	7	7	7	7	7	7
1/4	1,717.42	1/4	1,353.75	1/4	996.29	1/4	637.08	1/4	273.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,709.84	1/2	1,346.17	1/2	988.94	1/2	629.50	1/2	265.66	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,702.27	3/4	1,338.60	3/4	981.59	3/4	621.92	3/4	258.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,694.69	8	1,331.02	8	974.24	8	614.34	8	250.51	8		8	8	8	8	8	8	8	8
1/4	1,687.11	1/4	1,323.44	1/4	966.90	1/4	606.76	1/4	242.93	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,679.54	1/2	1,315.87	1/2	959.55	1/2	599.18	1/2	235.35	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,671.96	3/4	1,308.29	3/4	952.20	3/4	591.60	3/4	227.76	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,664.38	9	1,300.71	9	944.86	9	584.02	9	220.18	9		9	9	9	9	9	9	9	9
1/4	1,656.81	1/4	1,293.14	1/4	937.51	1/4	576.44	1/4	212.60	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,649.23	1/2	1,285.56	1/2	930.16	1/2	568.86	1/2	205.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,641.66	3/4	1,277.98	3/4	922.81	3/4	561.27	3/4	197.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,634.08	10	1,270.41	10	915.47	10	553.69	10	189.86	10		10	10	10	10	10	10	10	10
1/4	1,626.50	1/4	1,262.83	1/4	908.12	1/4	546.11	1/4	182.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,618.93	1/2	1,255.25	1/2	900.77	1/2	538.53	1/2	174.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,611.35	3/4	1,247.68	3/4	893.43	3/4	530.95	3/4	167.12	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,603.77	11	1,240.10	11	886.08	11	523.37	11	159.54	11		11	11	11	11	11	11	11	11
1/4	1,596.20	1/4	1,232.52	1/4	878.73	1/4	515.79	1/4	151.95	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,588.62	1/2	1,224.95	1/2	871.38	1/2	508.21	1/2	144.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,581.04	3/4	1,217.37	3/4	864.04	3/4	500.63	3/4	136.79	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2014 SW  
CALCULATED: 04/24/2014 CL  
PRINTED: 04/25/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2014

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





# BARGE "CTCo 341"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-3 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,952.79	0	1,587.99	0	1,223.19	0	858.91	0	494.15	0	129.37	0		0		0		0	
1/4	1,945.19	1/4	1,580.39	1/4	1,215.59	1/4	851.32	1/4	486.55	1/4	121.78	1/4		1/4		1/4		1/4	
1/2	1,937.59	1/2	1,572.79	1/2	1,207.99	1/2	843.73	1/2	478.95	1/2	114.18	1/2		1/2		1/2		1/2	
3/4	1,929.99	3/4	1,565.19	3/4	1,200.39	3/4	836.13	3/4	471.35	3/4	106.59	3/4		3/4		3/4		3/4	
1	1,922.39	1	1,557.59	1	1,192.79	1	828.54	1	463.75	1	99.01	1		1		1		1	
1/4	1,914.79	1/4	1,549.99	1/4	1,185.19	1/4	820.94	1/4	456.15	1/4	91.44	1/4		1/4		1/4		1/4	
1/2	1,907.19	1/2	1,542.39	1/2	1,177.59	1/2	813.34	1/2	448.55	1/2	83.86	1/2		1/2		1/2		1/2	
3/4	1,899.59	3/4	1,534.79	3/4	1,169.99	3/4	805.74	3/4	440.95	3/4	76.29	3/4		3/4		3/4		3/4	
2	1,891.99	2	1,527.19	2	1,162.39	2	798.14	2	433.35	2	69.18	2		2		2		2	
1/4	1,884.39	1/4	1,519.59	1/4	1,154.79	1/4	790.54	1/4	425.75	1/4	62.07	1/4		1/4		1/4		1/4	
1/2	1,876.79	1/2	1,511.99	1/2	1,147.20	1/2	782.94	1/2	418.15	1/2	54.97	1/2		1/2		1/2		1/2	
3/4	1,869.19	3/4	1,504.39	3/4	1,139.60	3/4	775.34	3/4	410.55	3/4	47.86	3/4		3/4		3/4		3/4	
3	1,861.59	3	1,496.79	3	1,132.01	3	767.74	3	402.95	3	42.16	3		3		3		3	
1/4	1,853.99	1/4	1,489.19	1/4	1,124.42	1/4	760.14	1/4	395.35	1/4	36.47	1/4		1/4		1/4		1/4	
1/2	1,846.39	1/2	1,481.59	1/2	1,116.83	1/2	752.54	1/2	387.75	1/2	30.77	1/2		1/2		1/2		1/2	
3/4	1,838.79	3/4	1,473.99	3/4	1,109.23	3/4	744.94	3/4	380.15	3/4	25.06	3/4		3/4		3/4		3/4	
4	1,831.19	4	1,466.39	4	1,101.64	4	737.34	4	372.55	4		4		4		4		4	
1/4	1,823.59	1/4	1,458.79	1/4	1,094.06	1/4	729.74	1/4	364.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,815.99	1/2	1,451.19	1/2	1,086.47	1/2	722.14	1/2	357.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,808.39	3/4	1,443.59	3/4	1,078.88	3/4	714.54	3/4	349.75	3/4		3/4		3/4		3/4		3/4	
5	1,800.79	5	1,435.99	5	1,071.29	5	706.94	5	342.15	5		5		5		5		5	
1/4	1,793.19	1/4	1,428.39	1/4	1,063.71	1/4	699.34	1/4	334.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,785.59	1/2	1,420.79	1/2	1,056.13	1/2	691.74	1/2	326.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,777.99	3/4	1,413.19	3/4	1,048.54	3/4	684.14	3/4	319.36	3/4		3/4		3/4		3/4		3/4	
6	1,770.39	6	1,405.59	6	1,040.96	6	676.54	6	311.76	6		6		6		6		6	
1/4	1,762.79	1/4	1,397.99	1/4	1,033.37	1/4	668.94	1/4	304.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,755.19	1/2	1,390.39	1/2	1,025.79	1/2	661.34	1/2	296.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,747.59	3/4	1,382.79	3/4	1,018.20	3/4	653.74	3/4	288.96	3/4		3/4		3/4		3/4		3/4	
7	1,739.99	7	1,375.19	7	1,010.62	7	646.14	7	281.36	7		7		7		7		7	
1/4	1,732.39	1/4	1,367.59	1/4	1,003.03	1/4	638.54	1/4	273.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,724.79	1/2	1,359.99	1/2	995.45	1/2	630.94	1/2	266.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,717.19	3/4	1,352.39	3/4	987.86	3/4	623.34	3/4	258.56	3/4		3/4		3/4		3/4		3/4	
8	1,709.59	8	1,344.79	8	980.28	8	615.74	8	250.96	8		8		8		8		8	
1/4	1,701.99	1/4	1,337.19	1/4	972.69	1/4	608.14	1/4	243.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,694.39	1/2	1,329.59	1/2	965.11	1/2	600.54	1/2	235.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,686.79	3/4	1,321.99	3/4	957.52	3/4	592.94	3/4	228.16	3/4		3/4		3/4		3/4		3/4	
9	1,679.19	9	1,314.39	9	949.94	9	585.34	9	220.56	9		9		9		9		9	
1/4	1,671.59	1/4	1,306.79	1/4	942.35	1/4	577.74	1/4	212.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,663.99	1/2	1,299.19	1/2	934.77	1/2	570.15	1/2	205.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,656.39	3/4	1,291.59	3/4	927.19	3/4	562.55	3/4	197.76	3/4		3/4		3/4		3/4		3/4	
10	1,648.79	10	1,283.99	10	919.60	10	554.95	10	190.16	10		10		10		10		10	
1/4	1,641.19	1/4	1,276.39	1/4	912.02	1/4	547.35	1/4	182.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,633.59	1/2	1,268.79	1/2	904.43	1/2	539.75	1/2	174.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,625.99	3/4	1,261.19	3/4	896.85	3/4	532.15	3/4	167.36	3/4		3/4		3/4		3/4		3/4	
11	1,618.39	11	1,253.59	11	889.26	11	524.55	11	159.76	11		11		11		11		11	
1/4	1,610.79	1/4	1,245.99	1/4	881.68	1/4	516.95	1/4	152.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,603.19	1/2	1,238.39	1/2	874.09	1/2	509.35	1/2	144.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,595.59	3/4	1,230.79	3/4	866.51	3/4	501.75	3/4	136.96	3/4		3/4		3/4		3/4		3/4	

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