



# BARGE "CTCo 343"

## ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 234'-03"

October 2, 2015

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
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# BARGE "CTCo 343"

## 1 PORT 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	5,075.61	0	4,740.88	0	4,401.47	0	4,041.49	0	3,675.99	0	3,310.17	0	2,944.11	0	2,577.86	0	2,211.61
1/4		1/4	5,069.20	1/4	4,734.05	1/4	4,394.16	1/4	4,033.87	1/4	3,668.38	1/4	3,302.54	1/4	2,936.48	1/4	2,570.23	1/4	2,203.98
1/2		1/2	5,062.78	1/2	4,727.21	1/2	4,386.85	1/2	4,026.26	1/2	3,660.76	1/2	3,294.92	1/2	2,928.85	1/2	2,562.60	1/2	2,196.35
3/4		3/4	5,056.36	3/4	4,720.38	3/4	4,379.54	3/4	4,018.64	3/4	3,653.15	3/4	3,287.29	3/4	2,921.21	3/4	2,554.97	3/4	2,188.72
1		1	5,048.99	1	4,713.48	1	4,372.19	1	4,011.03	1	3,645.53	1	3,279.66	1	2,913.58	1	2,547.33	1	2,181.09
1/4		1/4	5,041.63	1/4	4,706.59	1/4	4,364.84	1/4	4,003.41	1/4	3,637.92	1/4	3,272.04	1/4	2,905.95	1/4	2,539.70	1/4	2,173.46
1/2		1/2	5,034.26	1/2	4,699.69	1/2	4,357.49	1/2	3,995.80	1/2	3,630.30	1/2	3,264.41	1/2	2,898.32	1/2	2,532.07	1/2	2,165.82
3/4		3/4	5,026.89	3/4	4,692.79	3/4	4,350.14	3/4	3,988.18	3/4	3,622.69	3/4	3,256.79	3/4	2,890.69	3/4	2,524.44	3/4	2,158.19
2		2	5,019.33	2	4,685.85	2	4,342.76	2	3,980.57	2	3,615.07	2	3,249.16	2	2,883.06	2	2,516.81	2	2,150.56
1/4		1/4	5,011.77	1/4	4,678.91	1/4	4,335.38	1/4	3,972.96	1/4	3,607.46	1/4	3,241.53	1/4	2,875.43	1/4	2,509.18	1/4	2,142.93
1/2		1/2	5,004.22	1/2	4,671.97	1/2	4,327.99	1/2	3,965.34	1/2	3,599.85	1/2	3,233.91	1/2	2,867.80	1/2	2,501.55	1/2	2,135.30
3/4		3/4	4,996.66	3/4	4,665.03	3/4	4,320.61	3/4	3,957.73	3/4	3,592.23	3/4	3,226.28	3/4	2,860.17	3/4	2,493.92	3/4	2,127.67
3		3	4,989.10	3	4,658.05	3	4,313.19	3	3,950.11	3	3,584.62	3	3,218.66	3	2,852.54	3	2,486.29	3	2,120.04
1/4		1/4	4,981.54	1/4	4,651.07	1/4	4,305.78	1/4	3,942.50	1/4	3,577.00	1/4	3,211.03	1/4	2,844.91	1/4	2,478.66	1/4	2,112.41
1/2		1/2	4,973.99	1/2	4,644.09	1/2	4,298.36	1/2	3,934.88	1/2	3,569.39	1/2	3,203.40	1/2	2,837.28	1/2	2,471.03	1/2	2,104.78
3/4		3/4	4,966.43	3/4	4,637.11	3/4	4,290.94	3/4	3,927.27	3/4	3,561.77	3/4	3,195.78	3/4	2,829.65	3/4	2,463.40	3/4	2,097.15
4		4	4,958.87	4	4,630.09	4	4,283.49	4	3,919.65	4	3,554.16	4	3,188.15	4	2,822.02	4	2,455.77	4	2,089.52
1/4		1/4	4,951.32	1/4	4,623.07	1/4	4,276.04	1/4	3,912.04	1/4	3,546.54	1/4	3,180.52	1/4	2,814.39	1/4	2,448.14	1/4	2,081.89
1/2		1/2	4,943.76	1/2	4,616.06	1/2	4,268.59	1/2	3,904.43	1/2	3,538.93	1/2	3,172.90	1/2	2,806.76	1/2	2,440.51	1/2	2,074.26
3/4		3/4	4,936.20	3/4	4,609.04	3/4	4,261.14	3/4	3,896.81	3/4	3,531.31	3/4	3,165.27	3/4	2,799.13	3/4	2,432.88	3/4	2,066.63
5		5	4,929.36	5	4,601.99	5	4,253.65	5	3,889.20	5	3,523.69	5	3,157.65	5	2,791.50	5	2,425.25	5	2,059.00
1/4		1/4	4,922.52	1/4	4,594.94	1/4	4,246.16	1/4	3,881.58	1/4	3,516.07	1/4	3,150.02	1/4	2,783.87	1/4	2,417.62	1/4	2,051.37
1/2		1/2	4,915.68	1/2	4,587.89	1/2	4,238.67	1/2	3,873.97	1/2	3,508.44	1/2	3,142.39	1/2	2,776.24	1/2	2,409.99	1/2	2,043.74
3/4		3/4	4,908.84	3/4	4,580.84	3/4	4,231.18	3/4	3,866.35	3/4	3,500.82	3/4	3,134.77	3/4	2,768.61	3/4	2,402.36	3/4	2,036.11
6		6	4,902.21	6	4,573.76	6	4,223.65	6	3,858.74	6	3,493.19	6	3,127.14	6	2,760.98	6	2,394.73	6	2,029.02
1/4		1/4	4,895.58	1/4	4,566.67	1/4	4,216.13	1/4	3,851.12	1/4	3,485.57	1/4	3,119.52	1/4	2,753.35	1/4	2,387.10	1/4	2,021.93
1/2		1/2	4,888.96	1/2	4,559.59	1/2	4,208.60	1/2	3,843.51	1/2	3,477.94	1/2	3,111.89	1/2	2,745.72	1/2	2,379.47	1/2	2,014.84
3/4		3/4	4,882.33	3/4	4,552.51	3/4	4,201.07	3/4	3,835.89	3/4	3,470.32	3/4	3,104.26	3/4	2,738.09	3/4	2,371.84	3/4	2,007.75
7		7	4,875.67	7	4,545.39	7	4,193.51	7	3,828.28	7	3,462.69	7	3,096.64	7	2,730.46	7	2,364.21	7	2,000.84
1/4		1/4	4,869.01	1/4	4,538.27	1/4	4,185.95	1/4	3,820.67	1/4	3,455.06	1/4	3,089.01	1/4	2,722.83	1/4	2,356.58	1/4	1,993.94
1/2		1/2	4,862.36	1/2	4,531.15	1/2	4,178.39	1/2	3,813.05	1/2	3,447.44	1/2	3,081.39	1/2	2,715.20	1/2	2,348.95	1/2	1,987.03
3/4		3/4	4,855.70	3/4	4,524.04	3/4	4,170.83	3/4	3,805.44	3/4	3,439.81	3/4	3,073.76	3/4	2,707.57	3/4	2,341.32	3/4	1,980.12
8		8	4,849.00	8	4,516.88	8	4,163.24	8	3,797.82	8	3,432.19	8	3,066.13	8	2,699.94	8	2,333.69	8	1,972.69
1/4		1/4	4,842.31	1/4	4,509.73	1/4	4,155.65	1/4	3,790.21	1/4	3,424.56	1/4	3,058.51	1/4	2,692.31	1/4	2,326.06	1/4	1,965.27
1/2		1/2	4,835.61	1/2	4,502.58	1/2	4,148.05	1/2	3,782.59	1/2	3,416.93	1/2	3,050.88	1/2	2,684.68	1/2	2,318.43	1/2	1,957.84
3/4		3/4	4,828.91	3/4	4,495.43	3/4	4,140.46	3/4	3,774.98	3/4	3,409.31	3/4	3,043.25	3/4	2,677.05	3/4	2,310.80	3/4	1,950.42
9		9	4,822.18	9	4,488.25	9	4,132.85	9	3,767.36	9	3,401.68	9	3,035.63	9	2,669.42	9	2,303.17	9	1,942.82
1/4		1/4	4,815.45	1/4	4,481.06	1/4	4,125.24	1/4	3,759.75	1/4	3,394.06	1/4	3,028.00	1/4	2,661.79	1/4	2,295.54	1/4	1,935.23
1/2		1/2	4,808.71	1/2	4,473.88	1/2	4,117.63	1/2	3,752.14	1/2	3,386.43	1/2	3,020.38	1/2	2,654.16	1/2	2,287.91	1/2	1,927.63
3/4		3/4	4,801.98	3/4	4,466.69	3/4	4,110.02	3/4	3,744.52	3/4	3,378.80	3/4	3,012.75	3/4	2,646.53	3/4	2,280.28	3/4	1,920.03
10		10	4,795.21	10	4,459.47	10	4,102.40	10	3,736.91	10	3,371.18	10	3,005.12	10	2,638.90	10	2,272.65	10	1,912.44
1/4		1/4	4,788.45	1/4	4,452.26	1/4	4,094.79	1/4	3,729.29	1/4	3,363.55	1/4	2,997.50	1/4	2,631.27	1/4	2,265.02	1/4	1,904.84
1/2		1/2	4,781.68	1/2	4,445.04	1/2	4,087.17	1/2	3,721.68	1/2	3,355.92	1/2	2,989.87	1/2	2,623.64	1/2	2,257.39	1/2	1,897.25
3/4		3/4	4,774.91	3/4	4,437.82	3/4	4,079.56	3/4	3,714.06	3/4	3,348.30	3/4	2,982.25	3/4	2,616.01	3/4	2,249.76	3/4	1,889.65
11		11	4,768.11	11	4,430.56	11	4,071.94	11	3,706.45	11	3,340.67	11	2,974.62	11	2,608.38	11	2,242.13	11	1,882.03
1/4		1/4	4,761.31	1/4	4,423.30	1/4	4,064.33	1/4	3,698.83	1/4	3,333.05	1/4	2,966.99	1/4	2,600.75	1/4	2,234.50	1/4	1,874.40
1/2		1/2	4,754.51	1/2	4,416.04	1/2	4,056.72	1/2	3,691.22	1/2	3,325.42	1/2	2,959.36	1/2	2,593.12	1/2	2,226.87	1/2	1,866.78
3/4	5,082.03	3/4	4,747.71	3/4	4,408.78	3/4	4,049.10	3/4	3,683.60	3/4	3,317.79	3/4	2,951.74	3/4	2,585.49	3/4	2,219.24	3/4	1,859.16

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  
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# BARGE "CTCo 343"

## 1 PORT 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	1,851.53	0	1,485.21	0	1,119.01	0	754.79	0	393.36	0	74.02	0		0		0		0	
1/4	1,843.90	1/4	1,477.58	1/4	1,111.41	1/4	747.16	1/4	386.21	1/4	67.95	1/4		1/4		1/4		1/4	
1/2	1,836.27	1/2	1,469.95	1/2	1,103.81	1/2	739.53	1/2	379.05	1/2	61.87	1/2		1/2		1/2		1/2	
3/4	1,828.63	3/4	1,462.32	3/4	1,096.21	3/4	731.90	3/4	371.90	3/4	55.80	3/4		3/4		3/4		3/4	
1	1,821.00	1	1,454.69	1	1,088.62	1	724.27	1	364.83	1	50.51	1		1		1		1	
1/4	1,813.37	1/4	1,447.05	1/4	1,081.02	1/4	716.64	1/4	357.76	1/4	45.22	1/4		1/4		1/4		1/4	
1/2	1,805.74	1/2	1,439.42	1/2	1,073.43	1/2	709.01	1/2	350.69	1/2	39.92	1/2		1/2		1/2		1/2	
3/4	1,798.11	3/4	1,431.79	3/4	1,065.84	3/4	701.37	3/4	343.62	3/4	34.63	3/4		3/4		3/4		3/4	
2	1,790.48	2	1,424.16	2	1,058.25	2	693.74	2	336.64	2	30.75	2		2		2		2	
1/4	1,782.84	1/4	1,416.53	1/4	1,050.66	1/4	686.11	1/4	329.66	1/4	26.87	1/4		1/4		1/4		1/4	
1/2	1,775.21	1/2	1,408.90	1/2	1,043.08	1/2	678.48	1/2	322.68	1/2	22.99	1/2		1/2		1/2		1/2	
3/4	1,767.58	3/4	1,401.26	3/4	1,035.49	3/4	670.85	3/4	315.70	3/4	19.10	3/4		3/4		3/4		3/4	
3	1,759.95	3	1,393.63	3	1,027.91	3	663.22	3	308.80	3		3		3		3		3	
1/4	1,752.32	1/4	1,386.00	1/4	1,020.32	1/4	655.59	1/4	301.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,744.69	1/2	1,378.37	1/2	1,012.74	1/2	647.95	1/2	295.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,737.05	3/4	1,370.74	3/4	1,005.16	3/4	640.32	3/4	288.12	3/4		3/4		3/4		3/4		3/4	
4	1,729.42	4	1,363.11	4	997.58	4	632.69	4	281.31	4		4		4		4		4	
1/4	1,721.79	1/4	1,355.47	1/4	990.00	1/4	625.06	1/4	274.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,714.16	1/2	1,347.84	1/2	982.42	1/2	617.43	1/2	267.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,706.53	3/4	1,340.21	3/4	974.84	3/4	609.80	3/4	260.88	3/4		3/4		3/4		3/4		3/4	
5	1,698.90	5	1,332.58	5	967.26	5	602.17	5	254.16	5		5		5		5		5	
1/4	1,691.26	1/4	1,324.95	1/4	959.68	1/4	594.53	1/4	247.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,683.63	1/2	1,317.32	1/2	952.09	1/2	586.90	1/2	240.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,676.00	3/4	1,309.68	3/4	944.51	3/4	579.27	3/4	234.00	3/4		3/4		3/4		3/4		3/4	
6	1,668.37	6	1,302.05	6	936.93	6	571.65	6	227.36	6		6		6		6		6	
1/4	1,660.74	1/4	1,294.42	1/4	929.35	1/4	564.03	1/4	220.73	1/4		1/4		1/4		1/4		1/4	
1/2	1,653.11	1/2	1,286.79	1/2	921.77	1/2	556.40	1/2	214.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,645.48	3/4	1,279.16	3/4	914.19	3/4	548.78	3/4	207.46	3/4		3/4		3/4		3/4		3/4	
7	1,637.84	7	1,271.53	7	906.61	7	541.20	7	200.91	7		7		7		7		7	
1/4	1,630.21	1/4	1,263.90	1/4	899.03	1/4	533.62	1/4	194.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,622.58	1/2	1,256.26	1/2	891.45	1/2	526.04	1/2	187.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,614.95	3/4	1,248.63	3/4	883.87	3/4	518.46	3/4	181.26	3/4		3/4		3/4		3/4		3/4	
8	1,607.32	8	1,241.00	8	876.29	8	510.96	8	174.80	8		8		8		8		8	
1/4	1,599.69	1/4	1,233.37	1/4	868.71	1/4	503.46	1/4	168.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,592.05	1/2	1,225.74	1/2	861.13	1/2	495.96	1/2	161.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,584.42	3/4	1,218.11	3/4	853.55	3/4	488.45	3/4	155.41	3/4		3/4		3/4		3/4		3/4	
9	1,576.79	9	1,210.47	9	845.96	9	481.04	9	149.04	9		9		9		9		9	
1/4	1,569.16	1/4	1,202.84	1/4	838.38	1/4	473.62	1/4	142.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,561.53	1/2	1,195.21	1/2	830.80	1/2	466.21	1/2	136.30	1/2		1/2		1/2		1/2		1/2	
3/4	1,553.90	3/4	1,187.58	3/4	823.22	3/4	458.79	3/4	129.93	3/4		3/4		3/4		3/4		3/4	
10	1,546.26	10	1,179.95	10	815.64	10	451.47	10	123.65	10		10		10		10		10	
1/4	1,538.63	1/4	1,172.32	1/4	808.06	1/4	444.14	1/4	117.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,531.00	1/2	1,164.68	1/2	800.48	1/2	436.81	1/2	111.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,523.37	3/4	1,157.05	3/4	792.90	3/4	429.48	3/4	104.82	3/4		3/4		3/4		3/4		3/4	
11	1,515.74	11	1,149.44	11	785.28	11	422.24	11	98.64	11		11		11		11		11	
1/4	1,508.11	1/4	1,141.83	1/4	777.66	1/4	415.00	1/4	92.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,500.47	1/2	1,134.22	1/2	770.04	1/2	407.76	1/2	86.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,492.84	3/4	1,126.61	3/4	762.43	3/4	400.52	3/4	80.09	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 343"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-2 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	5,070.06	0	4,734.62	0	4,394.44	0	4,033.82	0	3,668.01	0	3,302.20	0	2,936.36	0	2,570.35	0	2,204.35
1/4		1/4	5,063.64	1/4	4,727.78	1/4	4,387.12	1/4	4,026.20	1/4	3,660.39	1/4	3,294.58	1/4	2,928.73	1/4	2,562.73	1/4	2,196.72
1/2		1/2	5,057.22	1/2	4,720.94	1/2	4,379.80	1/2	4,018.58	1/2	3,652.77	1/2	3,286.95	1/2	2,921.10	1/2	2,551.10	1/2	2,189.10
3/4		3/4	5,049.85	3/4	4,714.04	3/4	4,372.45	3/4	4,010.96	3/4	3,645.15	3/4	3,279.33	3/4	2,913.48	3/4	2,547.47	3/4	2,181.47
1		1	5,042.47	1	4,707.14	1	4,365.09	1	4,003.34	1	3,637.53	1	3,271.71	1	2,905.85	1	2,539.85	1	2,173.85
1/4		1/4	5,035.10	1/4	4,700.23	1/4	4,357.74	1/4	3,995.72	1/4	3,629.90	1/4	3,264.09	1/4	2,898.23	1/4	2,532.22	1/4	2,166.22
1/2		1/2	5,027.72	1/2	4,693.33	1/2	4,350.38	1/2	3,988.10	1/2	3,622.28	1/2	3,256.47	1/2	2,890.60	1/2	2,524.60	1/2	2,158.59
3/4		3/4	5,020.16	3/4	4,686.38	3/4	4,342.99	3/4	3,980.47	3/4	3,614.66	3/4	3,248.85	3/4	2,882.98	3/4	2,516.97	3/4	2,150.97
2		2	5,012.60	2	4,679.44	2	4,335.60	2	3,972.85	2	3,607.04	2	3,241.23	2	2,875.35	2	2,509.35	2	2,143.34
1/4		1/4	5,005.03	1/4	4,672.49	1/4	4,328.21	1/4	3,965.23	1/4	3,599.42	1/4	3,233.61	1/4	2,867.73	1/4	2,501.72	1/4	2,135.72
1/2		1/2	4,997.47	1/2	4,665.54	1/2	4,320.82	1/2	3,957.61	1/2	3,591.80	1/2	3,225.99	1/2	2,860.10	1/2	2,494.10	1/2	2,128.09
3/4		3/4	4,989.90	3/4	4,658.56	3/4	4,313.40	3/4	3,949.99	3/4	3,584.18	3/4	3,218.36	3/4	2,852.48	3/4	2,486.47	3/4	2,120.47
3		3	4,982.34	3	4,651.57	3	4,305.98	3	3,942.37	3	3,576.56	3	3,210.74	3	2,844.85	3	2,478.85	3	2,112.84
1/4		1/4	4,974.78	1/4	4,644.58	1/4	4,298.55	1/4	3,934.75	1/4	3,568.94	1/4	3,203.12	1/4	2,837.23	1/4	2,471.22	1/4	2,105.22
1/2		1/2	4,967.21	1/2	4,637.60	1/2	4,291.13	1/2	3,927.13	1/2	3,561.31	1/2	3,195.50	1/2	2,829.60	1/2	2,463.60	1/2	2,097.59
3/4		3/4	4,959.65	3/4	4,630.57	3/4	4,283.67	3/4	3,919.51	3/4	3,553.69	3/4	3,187.88	3/4	2,821.98	3/4	2,455.97	3/4	2,089.97
4		4	4,952.08	4	4,623.55	4	4,276.21	4	3,911.89	4	3,546.07	4	3,180.26	4	2,814.35	4	2,448.35	4	2,082.34
1/4		1/4	4,944.52	1/4	4,616.53	1/4	4,268.76	1/4	3,904.26	1/4	3,538.45	1/4	3,172.64	1/4	2,806.73	1/4	2,440.72	1/4	2,074.72
1/2		1/2	4,936.96	1/2	4,609.51	1/2	4,261.30	1/2	3,896.64	1/2	3,530.83	1/2	3,165.02	1/2	2,799.10	1/2	2,433.10	1/2	2,067.09
3/4		3/4	4,930.11	3/4	4,602.45	3/4	4,253.80	3/4	3,889.02	3/4	3,523.21	3/4	3,157.40	3/4	2,791.48	3/4	2,425.47	3/4	2,059.47
5		5	4,923.26	5	4,595.39	5	4,246.31	5	3,881.40	5	3,515.59	5	3,149.78	5	2,783.85	5	2,417.85	5	2,051.84
1/4		1/4	4,916.42	1/4	4,588.34	1/4	4,238.81	1/4	3,873.78	1/4	3,507.97	1/4	3,142.15	1/4	2,776.23	1/4	2,410.22	1/4	2,044.22
1/2		1/2	4,909.57	1/2	4,581.28	1/2	4,231.31	1/2	3,866.16	1/2	3,500.35	1/2	3,134.53	1/2	2,768.60	1/2	2,402.60	1/2	2,036.59
3/4		3/4	4,902.94	3/4	4,574.19	3/4	4,223.78	3/4	3,858.54	3/4	3,492.72	3/4	3,126.91	3/4	2,760.98	3/4	2,394.97	3/4	2,029.51
6		6	4,896.30	6	4,567.10	6	4,216.25	6	3,850.92	6	3,485.10	6	3,119.29	6	2,753.35	6	2,387.35	6	2,022.42
1/4		1/4	4,889.67	1/4	4,560.01	1/4	4,208.71	1/4	3,843.30	1/4	3,477.48	1/4	3,111.67	1/4	2,745.73	1/4	2,379.72	1/4	2,015.34
1/2		1/2	4,883.04	1/2	4,552.92	1/2	4,201.18	1/2	3,835.67	1/2	3,469.86	1/2	3,104.05	1/2	2,738.10	1/2	2,372.10	1/2	2,008.26
3/4		3/4	4,876.37	3/4	4,545.80	3/4	4,193.61	3/4	3,828.05	3/4	3,462.24	3/4	3,096.43	3/4	2,730.48	3/4	2,364.47	3/4	2,001.35
7		7	4,869.71	7	4,538.67	7	4,186.05	7	3,820.43	7	3,454.62	7	3,088.81	7	2,722.85	7	2,356.85	7	1,994.45
1/4		1/4	4,863.05	1/4	4,531.55	1/4	4,178.48	1/4	3,812.81	1/4	3,447.00	1/4	3,081.19	1/4	2,715.23	1/4	2,349.22	1/4	1,987.54
1/2		1/2	4,856.38	1/2	4,524.43	1/2	4,170.91	1/2	3,805.19	1/2	3,439.38	1/2	3,073.56	1/2	2,707.60	1/2	2,341.60	1/2	1,980.64
3/4		3/4	4,849.68	3/4	4,517.27	3/4	4,163.31	3/4	3,797.57	3/4	3,431.76	3/4	3,065.94	3/4	2,699.98	3/4	2,333.97	3/4	1,973.22
8		8	4,842.98	8	4,510.11	8	4,155.71	8	3,789.95	8	3,424.13	8	3,058.32	8	2,692.35	8	2,326.35	8	1,965.80
1/4		1/4	4,836.27	1/4	4,502.95	1/4	4,148.11	1/4	3,782.33	1/4	3,416.51	1/4	3,050.70	1/4	2,684.73	1/4	2,318.72	1/4	1,958.38
1/2		1/2	4,829.57	1/2	4,495.80	1/2	4,140.51	1/2	3,774.71	1/2	3,408.89	1/2	3,043.08	1/2	2,677.10	1/2	2,311.10	1/2	1,950.96
3/4		3/4	4,822.83	3/4	4,488.60	3/4	4,132.89	3/4	3,767.08	3/4	3,401.27	3/4	3,035.46	3/4	2,669.48	3/4	2,303.47	3/4	1,943.37
9		9	4,816.09	9	4,481.41	9	4,125.27	9	3,759.46	9	3,393.65	9	3,027.84	9	2,661.85	9	2,295.85	9	1,935.78
1/4		1/4	4,809.36	1/4	4,474.22	1/4	4,117.65	1/4	3,751.84	1/4	3,386.03	1/4	3,020.22	1/4	2,654.23	1/4	2,288.22	1/4	1,928.19
1/2		1/2	4,802.62	1/2	4,467.03	1/2	4,110.03	1/2	3,744.22	1/2	3,378.41	1/2	3,012.60	1/2	2,646.60	1/2	2,280.60	1/2	1,920.60
3/4		3/4	4,795.84	3/4	4,459.81	3/4	4,102.41	3/4	3,736.60	3/4	3,370.79	3/4	3,004.97	3/4	2,638.98	3/4	2,272.97	3/4	1,913.01
10		10	4,789.07	10	4,452.58	10	4,094.79	10	3,728.98	10	3,363.17	10	2,997.35	10	2,631.35	10	2,265.35	10	1,905.42
1/4		1/4	4,782.30	1/4	4,445.36	1/4	4,087.17	1/4	3,721.36	1/4	3,355.54	1/4	2,989.73	1/4	2,623.73	1/4	2,257.72	1/4	1,897.83
1/2		1/2	4,775.53	1/2	4,438.13	1/2	4,079.55	1/2	3,713.74	1/2	3,347.92	1/2	2,982.11	1/2	2,616.10	1/2	2,250.10	1/2	1,890.24
3/4		3/4	4,768.72	3/4	4,430.87	3/4	4,071.93	3/4	3,706.12	3/4	3,340.30	3/4	2,974.48	3/4	2,608.48	3/4	2,242.47	3/4	1,882.62
11		11	4,761.91	11	4,423.60	11	4,064.31	11	3,698.49	11	3,332.68	11	2,966.86	11	2,600.85	11	2,234.85	11	1,875.00
1/4		1/4	4,755.11	1/4	4,416.34	1/4	4,056.69	1/4	3,690.87	1/4	3,325.06	1/4	2,959.23	1/4	2,593.23	1/4	2,227.22	1/4	1,867.39
1/2	5,082.90	1/2	4,748.30	1/2	4,409.07	1/2	4,049.06	1/2	3,683.25	1/2	3,317.44	1/2	2,951.61	1/2	2,585.60	1/2	2,219.60	1/2	1,859.77
3/4	5,076.48	3/4	4,741.46	3/4	4,401.76	3/4	4,041.44	3/4	3,675.63	3/4	3,309.82	3/4	2,943.98	3/4	2,577.98	3/4	2,211.97	3/4	1,852.14

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 343"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-2 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	1,844.52	0	1,478.44	0	1,112.35	0	746.77	0	386.12	0	68.00	0		0		0		0	
1/4	1,836.89	1/4	1,470.81	1/4	1,104.73	1/4	739.15	1/4	378.97	1/4	61.92	1/4		1/4	1/4	1/4		1/4	
1/2	1,829.26	1/2	1,463.18	1/2	1,097.10	1/2	731.52	1/2	371.82	1/2	55.84	1/2		1/2	1/2	1/2		1/2	
3/4	1,821.64	3/4	1,455.56	3/4	1,089.48	3/4	723.89	3/4	364.76	3/4	50.55	3/4		3/4	3/4	3/4		3/4	
1	1,814.01	1	1,447.93	1	1,081.86	1	716.27	1	357.69	1	45.25	1		1	1	1		1	
1/4	1,806.38	1/4	1,440.30	1/4	1,074.24	1/4	708.64	1/4	350.63	1/4	39.95	1/4		1/4	1/4	1/4		1/4	
1/2	1,798.76	1/2	1,432.68	1/2	1,066.62	1/2	701.01	1/2	343.57	1/2	34.65	1/2		1/2	1/2	1/2		1/2	
3/4	1,791.13	3/4	1,425.05	3/4	1,058.99	3/4	693.39	3/4	336.59	3/4	30.77	3/4		3/4	3/4	3/4		3/4	
2	1,783.50	2	1,417.42	2	1,051.37	2	685.76	2	329.61	2	26.88	2		2	2	2		2	
1/4	1,775.88	1/4	1,409.80	1/4	1,043.75	1/4	678.14	1/4	322.64	1/4	23.00	1/4		1/4	1/4	1/4		1/4	
1/2	1,768.25	1/2	1,402.17	1/2	1,036.13	1/2	670.51	1/2	315.66	1/2	19.12	1/2		1/2	1/2	1/2		1/2	
3/4	1,760.62	3/4	1,394.54	3/4	1,028.52	3/4	662.88	3/4	308.77	3/4		3/4		3/4	3/4	3/4		3/4	
3	1,753.00	3	1,386.92	3	1,020.91	3	655.26	3	301.88	3		3		3	3	3		3	
1/4	1,745.37	1/4	1,379.29	1/4	1,013.29	1/4	647.63	1/4	294.99	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,737.74	1/2	1,371.66	1/2	1,005.68	1/2	640.00	1/2	288.10	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,730.12	3/4	1,364.04	3/4	998.06	3/4	632.38	3/4	281.30	3/4		3/4		3/4	3/4	3/4		3/4	
4	1,722.49	4	1,356.41	4	990.45	4	624.75	4	274.50	4		4		4	4	4		4	
1/4	1,714.86	1/4	1,348.78	1/4	982.84	1/4	617.13	1/4	267.70	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,707.24	1/2	1,341.16	1/2	975.23	1/2	609.50	1/2	260.89	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,699.61	3/4	1,333.53	3/4	967.61	3/4	601.87	3/4	254.18	3/4		3/4		3/4	3/4	3/4		3/4	
5	1,691.98	5	1,325.90	5	960.00	5	594.25	5	247.46	5		5		5	5	5		5	
1/4	1,684.36	1/4	1,318.28	1/4	952.39	1/4	586.62	1/4	240.74	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,676.73	1/2	1,310.65	1/2	944.78	1/2	578.99	1/2	234.03	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,669.10	3/4	1,303.02	3/4	937.16	3/4	571.38	3/4	227.40	3/4		3/4		3/4	3/4	3/4		3/4	
6	1,661.48	6	1,295.40	6	929.55	6	563.77	6	220.77	6		6		6	6	6		6	
1/4	1,653.85	1/4	1,287.77	1/4	921.94	1/4	556.16	1/4	214.14	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,646.22	1/2	1,280.14	1/2	914.32	1/2	548.54	1/2	207.51	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,638.60	3/4	1,272.52	3/4	906.71	3/4	540.98	3/4	200.97	3/4		3/4		3/4	3/4	3/4		3/4	
7	1,630.97	7	1,264.89	7	899.10	7	533.41	7	194.42	7		7		7	7	7		7	
1/4	1,623.34	1/4	1,257.26	1/4	891.49	1/4	525.84	1/4	187.88	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,615.72	1/2	1,249.64	1/2	883.87	1/2	518.27	1/2	181.34	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,608.09	3/4	1,242.01	3/4	876.26	3/4	510.78	3/4	174.88	3/4		3/4		3/4	3/4	3/4		3/4	
8	1,600.46	8	1,234.38	8	868.65	8	503.28	8	168.43	8		8		8	8	8		8	
1/4	1,592.84	1/4	1,226.76	1/4	861.03	1/4	495.79	1/4	161.97	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,585.21	1/2	1,219.13	1/2	853.42	1/2	488.30	1/2	155.51	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,577.58	3/4	1,211.50	3/4	845.81	3/4	480.89	3/4	149.14	3/4		3/4		3/4	3/4	3/4		3/4	
9	1,569.96	9	1,203.88	9	838.20	9	473.48	9	142.77	9		9		9	9	9		9	
1/4	1,562.33	1/4	1,196.25	1/4	830.58	1/4	466.07	1/4	136.41	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,554.70	1/2	1,188.62	1/2	822.97	1/2	458.66	1/2	130.04	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,547.08	3/4	1,181.00	3/4	815.36	3/4	451.33	3/4	123.75	3/4		3/4		3/4	3/4	3/4		3/4	
10	1,539.45	10	1,173.37	10	807.74	10	444.01	10	117.47	10		10		10	10	10		10	
1/4	1,531.82	1/4	1,165.74	1/4	800.13	1/4	436.69	1/4	111.19	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,524.20	1/2	1,158.12	1/2	792.52	1/2	429.36	1/2	104.91	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,516.57	3/4	1,150.49	3/4	784.90	3/4	422.13	3/4	98.72	3/4		3/4		3/4	3/4	3/4		3/4	
11	1,508.94	11	1,142.86	11	777.27	11	414.89	11	92.53	11		11		11	11	11		11	
1/4	1,501.32	1/4	1,135.24	1/4	769.65	1/4	407.65	1/4	86.35	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,493.69	1/2	1,127.61	1/2	762.03	1/2	400.42	1/2	80.16	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,486.06	3/4	1,119.98	3/4	754.40	3/4	393.27	3/4	74.08	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 343"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	4,819.23	0	4,505.53	0	4,187.39	0	3,849.68	0	3,506.52	0	3,163.36	0	2,820.19	0	2,476.83	0	2,133.47
1/4	1/4	1/4	4,813.21	1/4	4,499.11	1/4	4,180.53	1/4	3,842.53	1/4	3,499.37	1/4	3,156.21	1/4	2,813.04	1/4	2,469.68	1/4	2,126.32
1/2	1/2	1/2	4,807.19	1/2	4,492.70	1/2	4,173.66	1/2	3,835.38	1/2	3,492.22	1/2	3,149.06	1/2	2,805.88	1/2	2,462.52	1/2	2,119.17
3/4	3/4	3/4	4,801.17	3/4	4,486.29	3/4	4,166.80	3/4	3,828.23	3/4	3,485.07	3/4	3,141.91	3/4	2,798.73	3/4	2,455.37	3/4	2,112.01
1		1	4,795.15	1	4,479.88	1	4,159.94	1	3,821.08	1	3,477.92	1	3,134.76	1	2,791.58	1	2,448.22	1	2,104.86
1/4	1/4	1/4	4,788.23	1/4	4,473.40	1/4	4,153.03	1/4	3,813.93	1/4	3,470.77	1/4	3,127.61	1/4	2,784.42	1/4	2,441.06	1/4	2,097.71
1/2	1/2	1/2	4,781.32	1/2	4,466.93	1/2	4,146.13	1/2	3,806.78	1/2	3,463.62	1/2	3,120.46	1/2	2,777.27	1/2	2,433.91	1/2	2,090.55
3/4	3/4	3/4	4,774.40	3/4	4,460.46	3/4	4,139.23	3/4	3,799.64	3/4	3,456.47	3/4	3,113.31	3/4	2,770.12	3/4	2,426.76	3/4	2,083.40
2		2	4,767.49	2	4,453.98	2	4,132.33	2	3,792.49	2	3,449.32	2	3,106.16	2	2,762.96	2	2,419.60	2	2,076.25
1/4	1/4	1/4	4,760.40	1/4	4,447.47	1/4	4,125.40	1/4	3,785.34	1/4	3,442.18	1/4	3,099.01	1/4	2,755.81	1/4	2,412.45	1/4	2,069.09
1/2	1/2	1/2	4,753.31	1/2	4,440.95	1/2	4,118.47	1/2	3,778.19	1/2	3,435.03	1/2	3,091.86	1/2	2,748.66	1/2	2,405.30	1/2	2,061.94
3/4	3/4	3/4	4,746.21	3/4	4,434.44	3/4	4,111.54	3/4	3,771.04	3/4	3,427.88	3/4	3,084.72	3/4	2,741.50	3/4	2,398.14	3/4	2,054.79
3		3	4,739.12	3	4,427.92	3	4,104.61	3	3,763.89	3	3,420.73	3	3,077.57	3	2,734.35	3	2,390.99	3	2,047.63
1/4	1/4	1/4	4,732.03	1/4	4,421.37	1/4	4,097.64	1/4	3,756.74	1/4	3,413.58	1/4	3,070.42	1/4	2,727.20	1/4	2,383.84	1/4	2,040.48
1/2	1/2	1/2	4,724.94	1/2	4,414.82	1/2	4,090.68	1/2	3,749.59	1/2	3,406.43	1/2	3,063.27	1/2	2,720.04	1/2	2,376.68	1/2	2,033.33
3/4	3/4	3/4	4,717.85	3/4	4,408.27	3/4	4,083.72	3/4	3,742.44	3/4	3,399.28	3/4	3,056.12	3/4	2,712.89	3/4	2,369.53	3/4	2,026.17
4		4	4,710.75	4	4,401.71	4	4,076.75	4	3,735.29	4	3,392.13	4	3,048.97	4	2,705.74	4	2,362.38	4	2,019.02
1/4	1/4	1/4	4,703.66	1/4	4,395.13	1/4	4,069.76	1/4	3,728.14	1/4	3,384.98	1/4	3,041.82	1/4	2,698.58	1/4	2,355.22	1/4	2,011.87
1/2	1/2	1/2	4,696.57	1/2	4,388.54	1/2	4,062.76	1/2	3,720.99	1/2	3,377.83	1/2	3,034.67	1/2	2,691.43	1/2	2,348.07	1/2	2,004.71
3/4	3/4	3/4	4,689.48	3/4	4,381.96	3/4	4,055.77	3/4	3,713.85	3/4	3,370.68	3/4	3,027.52	3/4	2,684.28	3/4	2,340.92	3/4	1,997.56
5		5	4,682.39	5	4,375.37	5	4,048.77	5	3,706.70	5	3,363.53	5	3,020.37	5	2,677.12	5	2,333.76	5	1,990.41
1/4	1/4	1/4	4,675.97	1/4	4,368.75	1/4	4,041.74	1/4	3,699.55	1/4	3,356.39	1/4	3,013.22	1/4	2,669.97	1/4	2,326.61	1/4	1,983.25
1/2	1/2	1/2	4,669.55	1/2	4,362.13	1/2	4,034.71	1/2	3,692.40	1/2	3,349.24	1/2	3,006.07	1/2	2,662.82	1/2	2,319.46	1/2	1,976.10
3/4	3/4	3/4	4,663.13	3/4	4,355.51	3/4	4,027.67	3/4	3,685.25	3/4	3,342.09	3/4	2,998.93	3/4	2,655.66	3/4	2,312.30	3/4	1,968.95
6		6	4,656.71	6	4,348.90	6	4,020.64	6	3,678.10	6	3,334.94	6	2,991.78	6	2,648.51	6	2,305.15	6	1,961.79
1/4	1/4	1/4	4,650.49	1/4	4,342.25	1/4	4,013.57	1/4	3,670.95	1/4	3,327.79	1/4	2,984.63	1/4	2,641.36	1/4	2,298.00	1/4	1,955.15
1/2	1/2	1/2	4,644.27	1/2	4,335.60	1/2	4,006.51	1/2	3,663.80	1/2	3,320.64	1/2	2,977.48	1/2	2,634.20	1/2	2,290.84	1/2	1,948.50
3/4	3/4	3/4	4,638.05	3/4	4,328.95	3/4	3,999.44	3/4	3,656.65	3/4	3,313.49	3/4	2,970.33	3/4	2,627.05	3/4	2,283.69	3/4	1,941.86
7		7	4,631.84	7	4,322.30	7	3,992.37	7	3,649.50	7	3,306.34	7	2,963.18	7	2,619.90	7	2,276.54	7	1,935.21
1/4	1/4	1/4	4,625.59	1/4	4,315.62	1/4	3,985.28	1/4	3,642.35	1/4	3,299.19	1/4	2,956.03	1/4	2,612.74	1/4	2,269.38	1/4	1,928.73
1/2	1/2	1/2	4,619.34	1/2	4,308.94	1/2	3,978.18	1/2	3,635.20	1/2	3,292.04	1/2	2,948.88	1/2	2,605.59	1/2	2,262.23	1/2	1,922.26
3/4	3/4	3/4	4,613.10	3/4	4,302.26	3/4	3,971.08	3/4	3,628.05	3/4	3,284.89	3/4	2,941.73	3/4	2,598.44	3/4	2,255.08	3/4	1,915.78
8		8	4,606.85	8	4,295.58	8	3,963.98	8	3,620.91	8	3,277.74	8	2,934.58	8	2,591.28	8	2,247.92	8	1,909.31
1/4	1/4	1/4	4,600.56	1/4	4,288.86	1/4	3,956.85	1/4	3,613.76	1/4	3,270.59	1/4	2,927.43	1/4	2,584.13	1/4	2,240.77	1/4	1,902.35
1/2	1/2	1/2	4,594.28	1/2	4,282.15	1/2	3,949.72	1/2	3,606.61	1/2	3,263.45	1/2	2,920.28	1/2	2,576.98	1/2	2,233.62	1/2	1,895.39
3/4	3/4	3/4	4,588.00	3/4	4,275.44	3/4	3,942.59	3/4	3,599.46	3/4	3,256.30	3/4	2,913.13	3/4	2,569.82	3/4	2,226.46	3/4	1,888.43
9		9	4,581.71	9	4,268.72	9	3,935.46	9	3,592.31	9	3,249.15	9	2,905.99	9	2,562.67	9	2,219.31	9	1,881.47
1/4	1/4	1/4	4,575.40	1/4	4,261.98	1/4	3,928.32	1/4	3,585.16	1/4	3,242.00	1/4	2,898.84	1/4	2,555.52	1/4	2,212.16	1/4	1,874.35
1/2	1/2	1/2	4,569.08	1/2	4,255.24	1/2	3,921.17	1/2	3,578.01	1/2	3,234.85	1/2	2,891.69	1/2	2,548.36	1/2	2,205.00	1/2	1,867.23
3/4	3/4	3/4	4,562.76	3/4	4,248.49	3/4	3,914.02	3/4	3,570.86	3/4	3,227.70	3/4	2,884.54	3/4	2,541.21	3/4	2,197.85	3/4	1,860.11
10		10	4,556.44	10	4,241.75	10	3,906.87	10	3,563.71	10	3,220.55	10	2,877.39	10	2,534.06	10	2,190.70	10	1,853.00
1/4	1/4	1/4	4,550.10	1/4	4,234.97	1/4	3,899.72	1/4	3,556.56	1/4	3,213.40	1/4	2,870.24	1/4	2,526.90	1/4	2,183.54	1/4	1,845.88
1/2	1/2	1/2	4,543.75	1/2	4,228.20	1/2	3,892.58	1/2	3,549.41	1/2	3,206.25	1/2	2,863.09	1/2	2,519.75	1/2	2,176.39	1/2	1,838.76
3/4	3/4	3/4	4,537.40	3/4	4,221.42	3/4	3,885.43	3/4	3,542.26	3/4	3,199.10	3/4	2,855.94	3/4	2,512.60	3/4	2,169.24	3/4	1,831.64
11		11	4,531.05	11	4,214.64	11	3,878.28	11	3,535.12	11	3,191.95	11	2,848.79	11	2,505.44	11	2,162.08	11	1,824.52
1/4	1/4	1/4	4,524.67	1/4	4,207.83	1/4	3,871.13	1/4	3,527.97	1/4	3,184.80	1/4	2,841.64	1/4	2,498.29	1/4	2,154.93	1/4	1,817.37
1/2	1/2	1/2	4,518.29	1/2	4,201.02	1/2	3,863.98	1/2	3,520.82	1/2	3,177.66	1/2	2,834.49	1/2	2,491.14	1/2	2,147.78	1/2	1,810.23
3/4	3/4	3/4	4,511.91	3/4	4,194.20	3/4	3,856.83	3/4	3,513.67	3/4	3,170.51	3/4	2,827.34	3/4	2,483.98	3/4	2,140.62	3/4	1,803.08

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 343"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	1,795.93	0	1,452.51	0	1,109.93	0	780.02	0	436.60	0	93.22	0		0		0		0	
1/4	1,788.78	1/4	1,445.35	1/4	1,103.06	1/4	772.86	1/4	429.45	1/4	86.09	1/4		1/4		1/4		1/4	
1/2	1,781.63	1/2	1,438.20	1/2	1,096.19	1/2	765.71	1/2	422.29	1/2	78.97	1/2		1/2		1/2		1/2	
3/4	1,774.47	3/4	1,431.05	3/4	1,089.31	3/4	758.55	3/4	415.14	3/4	71.84	3/4		3/4		3/4		3/4	
1	1,767.32	1	1,423.89	1	1,082.44	1	751.40	1	407.98	1	64.72	1		1		1		1	
1/4	1,760.16	1/4	1,416.74	1/4	1,075.58	1/4	744.24	1/4	400.83	1/4	58.24	1/4		1/4		1/4		1/4	
1/2	1,753.01	1/2	1,409.58	1/2	1,068.72	1/2	737.09	1/2	393.67	1/2	51.77	1/2		1/2		1/2		1/2	
3/4	1,745.85	3/4	1,402.43	3/4	1,061.86	3/4	729.93	3/4	386.52	3/4	45.29	3/4		3/4		3/4		3/4	
2	1,738.70	2	1,395.27	2	1,055.00	2	722.78	2	379.36	2	38.82	2		2		2		2	
1/4	1,731.54	1/4	1,388.12	1/4	1,048.14	1/4	715.63	1/4	372.21	1/4	33.90	1/4		1/4		1/4		1/4	
1/2	1,724.39	1/2	1,380.96	1/2	1,041.28	1/2	708.47	1/2	365.05	1/2	28.98	1/2		1/2		1/2		1/2	
3/4	1,717.23	3/4	1,373.81	3/4	1,034.42	3/4	701.32	3/4	357.90	3/4	24.07	3/4		3/4		3/4		3/4	
3	1,710.08	3	1,366.65	3	1,027.56	3	694.16	3	350.75	3	19.15	3		3		3		3	
1/4	1,702.92	1/4	1,359.50	1/4	1,020.71	1/4	687.01	1/4	343.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,695.77	1/2	1,352.34	1/2	1,013.86	1/2	679.85	1/2	336.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,688.61	3/4	1,345.19	3/4	1,007.01	3/4	672.70	3/4	329.28	3/4		3/4		3/4		3/4		3/4	
4	1,681.46	4	1,338.03	4	1,000.15	4	665.54	4	322.13	4		4		4		4		4	
1/4	1,674.30	1/4	1,330.88	1/4	993.30	1/4	658.39	1/4	314.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,667.15	1/2	1,323.72	1/2	986.45	1/2	651.23	1/2	307.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,660.00	3/4	1,316.57	3/4	979.60	3/4	644.08	3/4	300.66	3/4		3/4		3/4		3/4		3/4	
5	1,652.84	5	1,309.42	5	972.75	5	636.93	5	293.51	5		5		5		5		5	
1/4	1,645.69	1/4	1,302.26	1/4	965.90	1/4	629.77	1/4	286.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,638.53	1/2	1,295.11	1/2	959.05	1/2	622.62	1/2	279.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,631.38	3/4	1,287.95	3/4	952.20	3/4	615.46	3/4	272.05	3/4		3/4		3/4		3/4		3/4	
6	1,624.22	6	1,280.80	6	945.35	6	608.31	6	264.89	6		6		6		6		6	
1/4	1,617.07	1/4	1,273.64	1/4	938.49	1/4	601.15	1/4	257.74	1/4		1/4		1/4		1/4		1/4	
1/2	1,609.91	1/2	1,266.49	1/2	931.64	1/2	594.00	1/2	250.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,602.76	3/4	1,259.33	3/4	924.79	3/4	586.84	3/4	243.43	3/4		3/4		3/4		3/4		3/4	
7	1,595.60	7	1,252.18	7	917.94	7	579.69	7	236.27	7		7		7		7		7	
1/4	1,588.45	1/4	1,245.02	1/4	911.09	1/4	572.54	1/4	229.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,581.29	1/2	1,237.87	1/2	904.24	1/2	565.38	1/2	221.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,574.14	3/4	1,230.71	3/4	897.39	3/4	558.23	3/4	214.81	3/4		3/4		3/4		3/4		3/4	
8	1,566.98	8	1,223.56	8	890.54	8	551.07	8	207.66	8		8		8		8		8	
1/4	1,559.83	1/4	1,216.40	1/4	883.69	1/4	543.92	1/4	200.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,552.68	1/2	1,209.25	1/2	876.84	1/2	536.76	1/2	193.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,545.52	3/4	1,202.09	3/4	869.99	3/4	529.61	3/4	186.19	3/4		3/4		3/4		3/4		3/4	
9	1,538.37	9	1,194.94	9	863.13	9	522.45	9	179.04	9		9		9		9		9	
1/4	1,531.21	1/4	1,187.79	1/4	856.28	1/4	515.30	1/4	171.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,524.06	1/2	1,180.63	1/2	849.43	1/2	508.14	1/2	164.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,516.90	3/4	1,173.48	3/4	842.58	3/4	500.99	3/4	157.57	3/4		3/4		3/4		3/4		3/4	
10	1,509.75	10	1,166.32	10	835.73	10	493.84	10	150.42	10		10		10		10		10	
1/4	1,502.59	1/4	1,159.17	1/4	828.88	1/4	486.68	1/4	143.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,495.44	1/2	1,152.01	1/2	822.03	1/2	479.53	1/2	136.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,488.28	3/4	1,144.86	3/4	815.18	3/4	472.37	3/4	128.96	3/4		3/4		3/4		3/4		3/4	
11	1,481.13	11	1,137.70	11	808.33	11	465.22	11	121.81	11		11		11		11		11	
1/4	1,473.97	1/4	1,130.76	1/4	801.25	1/4	458.06	1/4	114.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,466.82	1/2	1,123.82	1/2	794.17	1/2	450.91	1/2	107.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,459.66	3/4	1,116.87	3/4	787.09	3/4	443.75	3/4	100.37	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 343"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	4,845.47	0	4,530.96	0	4,211.99	0	3,873.43	0	3,529.39	0	3,185.35	0	2,841.30	0	2,497.07	0	2,152.84
1/4	1/4	4,839.44	1/4	4,524.53	1/4	4,205.11	1/4	3,866.26	1/4	3,522.22	1/4	3,178.18	1/4	2,834.13	1/4	2,489.90	1/4	2,145.67	
1/2	1/2	4,833.40	1/2	4,518.10	1/2	4,198.22	1/2	3,859.09	1/2	3,515.05	1/2	3,171.01	1/2	2,826.96	1/2	2,482.73	1/2	2,138.50	
3/4	3/4	4,827.37	3/4	4,511.67	3/4	4,191.34	3/4	3,851.93	3/4	3,507.89	3/4	3,163.85	3/4	2,819.79	3/4	2,475.56	3/4	2,131.32	
1	1	4,821.33	1	4,505.24	1	4,184.46	1	3,844.76	1	3,500.72	1	3,156.68	1	2,812.62	1	2,468.38	1	2,124.15	
1/4	1/4	4,814.40	1/4	4,498.75	1/4	4,177.54	1/4	3,837.59	1/4	3,493.55	1/4	3,149.51	1/4	2,805.45	1/4	2,461.21	1/4	2,116.98	
1/2	1/2	4,807.47	1/2	4,492.26	1/2	4,170.63	1/2	3,830.42	1/2	3,486.38	1/2	3,142.34	1/2	2,798.27	1/2	2,454.04	1/2	2,109.81	
3/4	3/4	4,800.54	3/4	4,485.77	3/4	4,163.71	3/4	3,823.26	3/4	3,479.22	3/4	3,135.18	3/4	2,791.10	3/4	2,446.87	3/4	2,102.64	
2	2	4,793.61	2	4,479.28	2	4,156.79	2	3,816.09	2	3,472.05	2	3,128.01	2	2,783.93	2	2,439.70	2	2,095.47	
1/4	1/4	4,786.50	1/4	4,472.75	1/4	4,149.84	1/4	3,808.92	1/4	3,464.88	1/4	3,120.84	1/4	2,776.76	1/4	2,432.53	1/4	2,088.30	
1/2	1/2	4,779.39	1/2	4,466.21	1/2	4,142.89	1/2	3,801.75	1/2	3,457.71	1/2	3,113.67	1/2	2,769.59	1/2	2,425.36	1/2	2,081.12	
3/4	3/4	4,772.28	3/4	4,459.68	3/4	4,135.94	3/4	3,794.59	3/4	3,450.55	3/4	3,106.51	3/4	2,762.42	3/4	2,418.18	3/4	2,073.95	
3	3	4,765.17	3	4,453.15	3	4,128.99	3	3,787.42	3	3,443.38	3	3,099.34	3	2,755.24	3	2,411.01	3	2,066.78	
1/4	1/4	4,758.06	1/4	4,446.58	1/4	4,122.01	1/4	3,780.25	1/4	3,436.21	1/4	3,092.17	1/4	2,748.07	1/4	2,403.84	1/4	2,059.61	
1/2	1/2	4,750.95	1/2	4,440.01	1/2	4,115.03	1/2	3,773.08	1/2	3,429.04	1/2	3,113.67	1/2	2,740.90	1/2	2,396.67	1/2	2,052.44	
3/4	3/4	4,743.84	3/4	4,433.44	3/4	4,108.05	3/4	3,765.92	3/4	3,421.88	3/4	3,077.84	3/4	2,733.73	3/4	2,389.50	3/4	2,045.27	
4	4	4,736.73	4	4,426.87	4	4,101.06	4	3,758.75	4	3,414.71	4	3,070.67	4	2,726.56	4	2,382.33	4	2,038.09	
1/4	1/4	4,729.62	1/4	4,420.27	1/4	4,094.05	1/4	3,751.58	1/4	3,407.54	1/4	3,063.50	1/4	2,719.39	1/4	2,375.16	1/4	2,030.92	
1/2	1/2	4,722.51	1/2	4,413.66	1/2	4,087.04	1/2	3,744.41	1/2	3,400.37	1/2	3,056.33	1/2	2,712.22	1/2	2,367.98	1/2	2,023.75	
3/4	3/4	4,715.40	3/4	4,407.06	3/4	4,080.03	3/4	3,737.25	3/4	3,393.21	3/4	3,049.17	3/4	2,705.04	3/4	2,360.81	3/4	2,016.58	
5	5	4,708.29	5	4,400.46	5	4,073.01	5	3,730.08	5	3,386.04	5	3,042.00	5	2,697.87	5	2,353.64	5	2,009.41	
1/4	1/4	4,701.85	1/4	4,393.82	1/4	4,065.96	1/4	3,722.91	1/4	3,378.87	1/4	3,034.83	1/4	2,690.70	1/4	2,346.47	1/4	2,002.24	
1/2	1/2	4,695.42	1/2	4,387.19	1/2	4,058.91	1/2	3,715.74	1/2	3,371.70	1/2	3,027.66	1/2	2,683.53	1/2	2,339.30	1/2	1,995.07	
3/4	3/4	4,688.98	3/4	4,380.55	3/4	4,051.86	3/4	3,708.58	3/4	3,364.54	3/4	3,020.50	3/4	2,676.36	3/4	2,332.13	3/4	1,987.89	
6	6	4,682.54	6	4,373.92	6	4,044.81	6	3,701.41	6	3,357.37	6	3,013.33	6	2,669.19	6	2,324.95	6	1,980.72	
1/4	1/4	4,676.31	1/4	4,367.25	1/4	4,037.73	1/4	3,694.24	1/4	3,350.20	1/4	3,006.16	1/4	2,662.02	1/4	2,317.78	1/4	1,974.06	
1/2	1/2	4,670.07	1/2	4,360.58	1/2	4,030.64	1/2	3,687.07	1/2	3,343.03	1/2	2,998.99	1/2	2,654.84	1/2	2,310.61	1/2	1,967.40	
3/4	3/4	4,663.84	3/4	4,353.91	3/4	4,023.56	3/4	3,679.91	3/4	3,335.87	3/4	2,991.83	3/4	2,647.67	3/4	2,303.44	3/4	1,960.73	
7	7	4,657.60	7	4,347.25	7	4,016.47	7	3,672.74	7	3,328.70	7	2,984.66	7	2,640.50	7	2,296.27	7	1,954.07	
1/4	1/4	4,651.34	1/4	4,340.55	1/4	4,009.36	1/4	3,665.57	1/4	3,321.53	1/4	2,977.49	1/4	2,633.33	1/4	2,289.10	1/4	1,947.58	
1/2	1/2	4,645.07	1/2	4,333.85	1/2	4,002.24	1/2	3,658.40	1/2	3,314.36	1/2	2,970.32	1/2	2,626.16	1/2	2,281.93	1/2	1,941.09	
3/4	3/4	4,638.81	3/4	4,327.15	3/4	3,995.12	3/4	3,651.24	3/4	3,307.20	3/4	2,963.16	3/4	2,618.99	3/4	2,274.75	3/4	1,934.59	
8	8	4,632.55	8	4,320.45	8	3,988.01	8	3,644.07	8	3,300.03	8	2,955.99	8	2,611.81	8	2,267.58	8	1,928.10	
1/4	1/4	4,626.25	1/4	4,313.72	1/4	3,980.86	1/4	3,636.90	1/4	3,292.86	1/4	2,948.82	1/4	2,604.64	1/4	2,260.41	1/4	1,921.12	
1/2	1/2	4,619.95	1/2	4,306.99	1/2	3,973.71	1/2	3,629.73	1/2	3,285.69	1/2	2,941.65	1/2	2,597.47	1/2	2,253.24	1/2	1,914.15	
3/4	3/4	4,613.65	3/4	4,300.26	3/4	3,966.56	3/4	3,622.57	3/4	3,278.53	3/4	2,934.49	3/4	2,590.30	3/4	2,246.07	3/4	1,907.17	
9	9	4,607.35	9	4,293.53	9	3,959.42	9	3,615.40	9	3,271.36	9	2,927.32	9	2,583.13	9	2,238.90	9	1,900.19	
1/4	1/4	4,601.01	1/4	4,286.77	1/4	3,952.25	1/4	3,608.23	1/4	3,264.19	1/4	2,920.15	1/4	2,575.96	1/4	2,231.73	1/4	1,893.06	
1/2	1/2	4,594.68	1/2	4,280.01	1/2	3,945.09	1/2	3,601.06	1/2	3,257.02	1/2	2,912.98	1/2	2,568.79	1/2	2,224.55	1/2	1,885.92	
3/4	3/4	4,588.34	3/4	4,273.25	3/4	3,937.93	3/4	3,593.90	3/4	3,249.86	3/4	2,905.82	3/4	2,561.61	3/4	2,217.38	3/4	1,878.78	
10	10	4,582.01	10	4,266.49	10	3,930.77	10	3,586.73	10	3,242.69	10	2,898.65	10	2,554.44	10	2,210.21	10	1,871.64	
1/4	1/4	4,575.64	1/4	4,259.69	1/4	3,923.60	1/4	3,579.56	1/4	3,235.52	1/4	2,891.48	1/4	2,547.27	1/4	2,203.04	1/4	1,864.51	
1/2	1/2	4,569.28	1/2	4,252.90	1/2	3,916.43	1/2	3,572.39	1/2	3,228.35	1/2	2,884.31	1/2	2,540.10	1/2	2,195.87	1/2	1,857.37	
3/4	3/4	4,562.91	3/4	4,246.11	3/4	3,909.27	3/4	3,565.23	3/4	3,221.19	3/4	2,877.15	3/4	2,532.93	3/4	2,188.70	3/4	1,850.23	
11	11	4,556.55	11	4,239.31	11	3,902.10	11	3,558.06	11	3,214.02	11	2,869.98	11	2,525.76	11	2,181.52	11	1,843.09	
1/4	1/4	4,550.15	1/4	4,232.48	1/4	3,894.93	1/4	3,550.89	1/4	3,206.85	1/4	2,862.81	1/4	2,518.59	1/4	2,174.35	1/4	1,835.93	
1/2	1/2	4,543.75	1/2	4,225.65	1/2	3,887.76	1/2	3,543.72	1/2	3,199.68	1/2	2,855.64	1/2	2,511.41	1/2	2,167.18	1/2	1,828.77	
3/4	3/4	4,537.35	3/4	4,218.82	3/4	3,880.60	3/4	3,536.56	3/4	3,192.52	3/4	2,848.47	3/4	2,504.24	3/4	2,160.01	3/4	1,821.60	

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 40'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "CTCo 343"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	1,814.44	0	1,470.14	0	1,125.84	0	781.99	0	437.71	0	93.46	0		0		0		0	
1/4	1,807.26	1/4	1,462.97	1/4	1,118.67	1/4	774.82	1/4	430.54	1/4	86.32	1/4		1/4		1/4		1/4	
1/2	1,800.09	1/2	1,455.79	1/2	1,111.49	1/2	767.65	1/2	423.36	1/2	79.17	1/2		1/2		1/2		1/2	
3/4	1,792.92	3/4	1,448.62	3/4	1,104.32	3/4	760.48	3/4	416.19	3/4	72.03	3/4		3/4		3/4		3/4	
1	1,785.75	1	1,441.45	1	1,097.15	1	753.30	1	409.02	1	64.88	1		1		1		1	
1/4	1,778.57	1/4	1,434.27	1/4	1,089.98	1/4	746.13	1/4	401.85	1/4	58.39	1/4		1/4		1/4		1/4	
1/2	1,771.40	1/2	1,427.10	1/2	1,082.81	1/2	738.96	1/2	394.67	1/2	51.90	1/2		1/2		1/2		1/2	
3/4	1,764.23	3/4	1,419.93	3/4	1,075.64	3/4	731.79	3/4	387.50	3/4	45.41	3/4		3/4		3/4		3/4	
2	1,757.05	2	1,412.76	2	1,068.47	2	724.61	2	380.33	2	38.92	2		2		2		2	
1/4	1,749.88	1/4	1,405.58	1/4	1,061.31	1/4	717.44	1/4	373.16	1/4	33.99	1/4		1/4		1/4		1/4	
1/2	1,742.71	1/2	1,398.41	1/2	1,054.14	1/2	710.27	1/2	365.98	1/2	29.06	1/2		1/2		1/2		1/2	
3/4	1,735.54	3/4	1,391.24	3/4	1,046.97	3/4	703.10	3/4	358.81	3/4	24.13	3/4		3/4		3/4		3/4	
3	1,728.36	3	1,384.06	3	1,039.80	3	695.92	3	351.64	3	19.19	3		3		3		3	
1/4	1,721.19	1/4	1,376.89	1/4	1,032.64	1/4	688.75	1/4	344.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,714.02	1/2	1,369.72	1/2	1,025.48	1/2	681.58	1/2	337.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,706.84	3/4	1,362.54	3/4	1,018.32	3/4	674.40	3/4	330.12	3/4		3/4		3/4		3/4		3/4	
4	1,699.67	4	1,355.37	4	1,011.16	4	667.23	4	322.95	4		4		4		4		4	
1/4	1,692.50	1/4	1,348.20	1/4	1,004.00	1/4	660.06	1/4	315.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,685.33	1/2	1,341.03	1/2	996.84	1/2	652.89	1/2	308.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,678.15	3/4	1,333.85	3/4	989.68	3/4	645.71	3/4	301.43	3/4		3/4		3/4		3/4		3/4	
5	1,670.98	5	1,326.68	5	982.52	5	638.54	5	294.26	5		5		5		5		5	
1/4	1,663.81	1/4	1,319.51	1/4	975.36	1/4	631.37	1/4	287.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,656.63	1/2	1,312.33	1/2	968.20	1/2	624.20	1/2	279.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,649.46	3/4	1,305.16	3/4	961.04	3/4	617.02	3/4	272.74	3/4		3/4		3/4		3/4		3/4	
6	1,642.29	6	1,297.99	6	953.88	6	609.85	6	265.57	6		6		6		6		6	
1/4	1,635.12	1/4	1,290.82	1/4	946.72	1/4	602.68	1/4	258.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,627.94	1/2	1,283.64	1/2	939.56	1/2	595.51	1/2	251.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,620.77	3/4	1,276.47	3/4	932.40	3/4	588.33	3/4	244.05	3/4		3/4		3/4		3/4		3/4	
7	1,613.60	7	1,269.30	7	925.24	7	581.16	7	236.88	7		7		7		7		7	
1/4	1,606.42	1/4	1,262.12	1/4	918.08	1/4	573.99	1/4	229.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,599.25	1/2	1,254.95	1/2	910.92	1/2	566.82	1/2	222.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,592.08	3/4	1,247.78	3/4	903.76	3/4	559.64	3/4	215.36	3/4		3/4		3/4		3/4		3/4	
8	1,584.90	8	1,240.61	8	896.60	8	552.47	8	208.19	8		8		8		8		8	
1/4	1,577.73	1/4	1,233.43	1/4	889.44	1/4	545.30	1/4	201.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,570.56	1/2	1,226.26	1/2	882.28	1/2	538.13	1/2	193.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,563.39	3/4	1,219.09	3/4	875.12	3/4	530.95	3/4	186.67	3/4		3/4		3/4		3/4		3/4	
9	1,556.21	9	1,211.91	9	867.96	9	523.78	9	179.50	9		9		9		9		9	
1/4	1,549.04	1/4	1,204.74	1/4	860.80	1/4	516.61	1/4	172.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,541.87	1/2	1,197.57	1/2	853.64	1/2	509.43	1/2	165.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,534.69	3/4	1,190.40	3/4	846.48	3/4	502.26	3/4	157.98	3/4		3/4		3/4		3/4		3/4	
10	1,527.52	10	1,183.22	10	839.32	10	495.09	10	150.80	10		10		10		10		10	
1/4	1,520.35	1/4	1,176.05	1/4	832.16	1/4	487.92	1/4	143.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,513.18	1/2	1,168.88	1/2	825.00	1/2	480.74	1/2	136.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,506.00	3/4	1,161.70	3/4	817.84	3/4	473.57	3/4	129.29	3/4		3/4		3/4		3/4		3/4	
11	1,498.83	11	1,154.53	11	810.68	11	466.40	11	122.12	11		11		11		11		11	
1/4	1,491.66	1/4	1,147.36	1/4	803.51	1/4	459.23	1/4	114.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,484.48	1/2	1,140.19	1/2	796.34	1/2	452.05	1/2	107.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,477.31	3/4	1,133.01	3/4	789.16	3/4	444.88	3/4	100.62	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.  
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# BARGE "CTCo 343"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,240.56	0	4,060.04	0	3,868.21	0	3,673.09	0	3,352.91	0	2,990.40	0	2,627.63	0	2,265.88
1/4	1/4	4,412.55	1/4	4,236.94	1/4	4,056.17	1/4	3,864.15	1/4	3,669.03	1/4	3,345.38	1/4	2,982.85	1/4	2,620.06	1/4	2,258.37	
1/2	1/2	4,409.66	1/2	4,233.30	1/2	4,052.26	1/2	3,860.08	1/2	3,664.96	1/2	3,337.84	1/2	2,975.29	1/2	2,612.50	1/2	2,250.87	
3/4	3/4	4,406.77	3/4	4,229.66	3/4	4,048.36	3/4	3,856.02	3/4	3,660.90	3/4	3,330.31	3/4	2,967.73	3/4	2,604.94	3/4	2,243.37	
1	1	4,403.88	1	4,226.02	1	4,044.46	1	3,851.95	1	3,656.83	1	3,322.77	1	2,960.17	1	2,597.37	1	2,235.87	
1/4	1/4	4,400.99	1/4	4,222.38	1/4	4,040.56	1/4	3,847.89	1/4	3,652.77	1/4	3,315.24	1/4	2,952.62	1/4	2,589.81	1/4	2,228.37	
1/2	1/2	4,397.15	1/2	4,218.71	1/2	4,036.63	1/2	3,843.82	1/2	3,648.70	1/2	3,307.69	1/2	2,945.06	1/2	2,582.24	1/2	2,220.86	
3/4	3/4	4,393.31	3/4	4,215.03	3/4	4,032.71	3/4	3,839.76	3/4	3,644.64	3/4	3,300.14	3/4	2,937.50	3/4	2,574.68	3/4	2,213.36	
2	2	4,389.47	2	4,211.35	2	4,028.79	2	3,835.69	2	3,640.57	2	3,292.59	2	2,929.94	2	2,567.11	2	2,205.86	
1/4	1/4	4,385.64	1/4	4,207.67	1/4	4,024.86	1/4	3,831.63	1/4	3,636.51	1/4	3,285.04	1/4	2,922.39	1/4	2,559.55	1/4	2,198.36	
1/2	1/2	4,381.61	1/2	4,203.97	1/2	4,020.92	1/2	3,827.56	1/2	3,631.13	1/2	3,277.49	1/2	2,914.83	1/2	2,551.98	1/2	2,190.86	
3/4	3/4	4,377.58	3/4	4,200.27	3/4	4,016.98	3/4	3,823.50	3/4	3,625.75	3/4	3,269.93	3/4	2,907.27	3/4	2,544.42	3/4	2,183.35	
3	3	4,373.56	3	4,196.57	3	4,013.04	3	3,819.43	3	3,620.36	3	3,262.38	3	2,899.71	3	2,536.85	3	2,175.85	
1/4	1/4	4,369.53	1/4	4,192.86	1/4	4,009.10	1/4	3,815.37	1/4	3,614.98	1/4	3,254.82	1/4	2,892.16	1/4	2,529.29	1/4	2,168.35	
1/2	1/2	4,365.50	1/2	4,189.14	1/2	4,005.14	1/2	3,811.30	1/2	3,607.87	1/2	3,247.27	1/2	2,884.60	1/2	2,521.75	1/2	2,160.85	
3/4	3/4	4,361.48	3/4	4,185.42	3/4	4,001.18	3/4	3,807.24	3/4	3,600.75	3/4	3,239.71	3/4	2,877.04	3/4	2,514.22	3/4	2,153.35	
4	4	4,357.45	4	4,181.69	4	3,997.22	4	3,803.17	4	3,593.64	4	3,232.16	4	2,869.48	4	2,506.68	4	2,145.84	
1/4	1/4	4,353.43	1/4	4,177.97	1/4	3,993.26	1/4	3,799.11	1/4	3,586.53	1/4	3,224.61	1/4	2,861.93	1/4	2,499.14	1/4	2,138.34	
1/2	1/2	4,349.40	1/2	4,174.22	1/2	3,989.28	1/2	3,795.04	1/2	3,578.98	1/2	3,217.05	1/2	2,854.37	1/2	2,491.62	1/2	2,130.84	
3/4	3/4	4,345.38	3/4	4,170.48	3/4	3,985.30	3/4	3,790.98	3/4	3,571.43	3/4	3,209.50	3/4	2,846.81	3/4	2,484.09	3/4	2,123.34	
5	5	4,341.35	5	4,166.74	5	3,981.33	5	3,786.91	5	3,563.89	5	3,201.94	5	2,839.25	5	2,476.56	5	2,115.84	
1/4	1/4	4,337.32	1/4	4,163.00	1/4	3,977.35	1/4	3,782.85	1/4	3,556.34	1/4	3,194.39	1/4	2,831.70	1/4	2,469.04	1/4	2,108.33	
1/2	1/2	4,333.68	1/2	4,159.23	1/2	3,973.35	1/2	3,778.78	1/2	3,548.81	1/2	3,186.83	1/2	2,824.14	1/2	2,461.51	1/2	2,100.83	
3/4	3/4	4,330.04	3/4	4,155.47	3/4	3,969.35	3/4	3,774.72	3/4	3,541.27	3/4	3,179.28	3/4	2,816.58	3/4	2,453.99	3/4	2,093.33	
6	6	4,326.39	6	4,151.71	6	3,965.35	6	3,770.65	6	3,533.73	6	3,171.72	6	2,809.02	6	2,446.46	6	2,085.83	
1/4	1/4	4,322.75	1/4	4,147.95	1/4	3,961.35	1/4	3,766.59	1/4	3,526.20	1/4	3,164.17	1/4	2,801.47	1/4	2,438.93	1/4	2,078.33	
1/2	1/2	4,319.22	1/2	4,144.17	1/2	3,957.34	1/2	3,762.52	1/2	3,518.66	1/2	3,156.61	1/2	2,793.91	1/2	2,431.41	1/2	2,071.36	
3/4	3/4	4,315.69	3/4	4,140.39	3/4	3,953.32	3/4	3,758.46	3/4	3,511.13	3/4	3,149.06	3/4	2,786.35	3/4	2,423.88	3/4	2,064.40	
7	7	4,312.16	7	4,136.61	7	3,949.30	7	3,754.39	7	3,503.59	7	3,141.50	7	2,778.79	7	2,416.35	7	2,057.43	
1/4	1/4	4,308.63	1/4	4,132.84	1/4	3,945.28	1/4	3,750.33	1/4	3,496.06	1/4	3,133.95	1/4	2,771.24	1/4	2,408.83	1/4	2,050.47	
1/2	1/2	4,305.08	1/2	4,129.04	1/2	3,941.24	1/2	3,746.26	1/2	3,488.53	1/2	3,126.39	1/2	2,763.68	1/2	2,401.30	1/2	2,043.68	
3/4	3/4	4,301.54	3/4	4,125.24	3/4	3,937.21	3/4	3,742.20	3/4	3,480.99	3/4	3,118.84	3/4	2,756.12	3/4	2,393.78	3/4	2,036.90	
8	8	4,297.99	8	4,121.44	8	3,933.17	8	3,738.13	8	3,473.46	8	3,111.28	8	2,748.56	8	2,386.25	8	2,030.11	
1/4	1/4	4,294.45	1/4	4,117.65	1/4	3,929.14	1/4	3,734.07	1/4	3,465.92	1/4	3,103.73	1/4	2,741.01	1/4	2,378.72	1/4	2,023.33	
1/2	1/2	4,290.88	1/2	4,113.83	1/2	3,925.08	1/2	3,730.00	1/2	3,458.39	1/2	3,096.17	1/2	2,733.45	1/2	2,371.20	1/2	2,016.03	
3/4	3/4	4,287.32	3/4	4,110.02	3/4	3,921.03	3/4	3,725.94	3/4	3,450.85	3/4	3,088.62	3/4	2,725.89	3/4	2,363.67	3/4	2,008.73	
9	9	4,283.75	9	4,106.20	9	3,916.98	9	3,721.87	9	3,443.32	9	3,081.06	9	2,718.33	9	2,356.14	9	2,001.44	
1/4	1/4	4,280.18	1/4	4,102.39	1/4	3,912.92	1/4	3,717.81	1/4	3,435.79	1/4	3,073.51	1/4	2,710.78	1/4	2,348.62	1/4	1,994.14	
1/2	1/2	4,276.60	1/2	4,098.56	1/2	3,908.86	1/2	3,713.74	1/2	3,428.25	1/2	3,065.95	1/2	2,703.22	1/2	2,341.09	1/2	1,986.67	
3/4	3/4	4,273.01	3/4	4,094.72	3/4	3,904.80	3/4	3,709.68	3/4	3,420.72	3/4	3,058.40	3/4	2,695.66	3/4	2,333.57	3/4	1,979.20	
10	10	4,269.43	10	4,090.89	10	3,900.73	10	3,705.61	10	3,413.18	10	3,050.84	10	2,688.10	10	2,326.04	10	1,971.73	
1/4	1/4	4,265.84	1/4	4,087.06	1/4	3,896.67	1/4	3,701.55	1/4	3,405.65	1/4	3,043.29	1/4	2,680.55	1/4	2,318.51	1/4	1,964.27	
1/2	1/2	4,262.24	1/2	4,083.21	1/2	3,892.60	1/2	3,697.48	1/2	3,398.12	1/2	3,035.74	1/2	2,672.99	1/2	2,310.99	1/2	1,956.80	
3/4	3/4	4,258.63	3/4	4,079.36	3/4	3,888.54	3/4	3,693.42	3/4	3,390.58	3/4	3,028.18	3/4	2,665.43	3/4	2,303.46	3/4	1,949.33	
11	11	4,255.03	11	4,075.50	11	3,884.47	11	3,689.35	11	3,383.05	11	3,020.63	11	2,657.87	11	2,295.93	11	1,941.86	
1/4	1/4	4,251.43	1/4	4,071.65	1/4	3,880.41	1/4	3,685.29	1/4	3,375.51	1/4	3,013.07	1/4	2,650.32	1/4	2,288.41	1/4	1,934.39	
1/2	1/2	4,247.81	1/2	4,067.78	1/2	3,876.34	1/2	3,681.22	1/2	3,367.98	1/2	3,005.51	1/2	2,642.75	1/2	2,280.90	1/2	1,926.85	
3/4	3/4	4,244.18	3/4	4,063.91	3/4	3,872.28	3/4	3,677.16	3/4	3,360.45	3/4	2,997.96	3/4	2,635.19	3/4	2,273.39	3/4	1,919.31	

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CTCo 343"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,911.77	0	1,548.61	0	1,185.91	0	832.98	0	469.66	0	106.33	0		0		0		0	
1/4	1,904.23	1/4	1,541.05	1/4	1,178.50	1/4	825.47	1/4	462.09	1/4	98.76	1/4		1/4		1/4		1/4	
1/2	1,896.66	1/2	1,533.48	1/2	1,171.14	1/2	817.90	1/2	454.52	1/2	91.21	1/2		1/2		1/2		1/2	
3/4	1,889.09	3/4	1,525.92	3/4	1,163.79	3/4	810.33	3/4	446.95	3/4	83.66	3/4		3/4		3/4		3/4	
1	1,881.53	1	1,518.35	1	1,156.43	1	802.76	1	439.38	1	76.11	1		1		1		1	
1/4	1,873.96	1/4	1,510.78	1/4	1,149.07	1/4	795.19	1/4	431.82	1/4	68.56	1/4		1/4		1/4		1/4	
1/2	1,866.39	1/2	1,503.22	1/2	1,141.73	1/2	787.62	1/2	424.25	1/2	61.70	1/2		1/2		1/2		1/2	
3/4	1,858.83	3/4	1,495.65	3/4	1,134.38	3/4	780.05	3/4	416.68	3/4	54.84	3/4		3/4		3/4		3/4	
2	1,851.26	2	1,488.08	2	1,127.03	2	772.48	2	409.11	2	47.98	2		2		2		2	
1/4	1,843.70	1/4	1,480.52	1/4	1,119.68	1/4	764.91	1/4	401.54	1/4	41.11	1/4		1/4		1/4		1/4	
1/2	1,836.13	1/2	1,472.95	1/2	1,112.34	1/2	757.33	1/2	393.97	1/2	35.90	1/2		1/2		1/2		1/2	
3/4	1,828.56	3/4	1,465.39	3/4	1,105.00	3/4	749.76	3/4	386.40	3/4	30.69	3/4		3/4		3/4		3/4	
3	1,821.00	3	1,457.82	3	1,097.65	3	742.19	3	378.83	3	25.48	3		3		3		3	
1/4	1,813.43	1/4	1,450.25	1/4	1,090.31	1/4	734.62	1/4	371.26	1/4	20.27	1/4		1/4		1/4		1/4	
1/2	1,805.86	1/2	1,442.69	1/2	1,082.97	1/2	727.05	1/2	363.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,798.30	3/4	1,435.12	3/4	1,075.63	3/4	719.48	3/4	356.13	3/4		3/4		3/4		3/4		3/4	
4	1,790.73	4	1,427.55	4	1,068.29	4	711.91	4	348.56	4		4		4		4		4	
1/4	1,783.17	1/4	1,419.99	1/4	1,060.95	1/4	704.34	1/4	340.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,775.60	1/2	1,412.42	1/2	1,053.61	1/2	696.77	1/2	333.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,768.03	3/4	1,404.86	3/4	1,046.28	3/4	689.20	3/4	325.85	3/4		3/4		3/4		3/4		3/4	
5	1,760.47	5	1,397.29	5	1,038.94	5	681.63	5	318.28	5		5		5		5		5	
1/4	1,752.90	1/4	1,389.72	1/4	1,031.60	1/4	674.06	1/4	310.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,745.34	1/2	1,382.16	1/2	1,024.27	1/2	666.49	1/2	303.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,737.77	3/4	1,374.59	3/4	1,016.93	3/4	658.92	3/4	295.57	3/4		3/4		3/4		3/4		3/4	
6	1,730.20	6	1,367.03	6	1,009.59	6	651.35	6	288.00	6		6		6		6		6	
1/4	1,722.64	1/4	1,359.46	1/4	1,002.26	1/4	643.78	1/4	280.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,715.07	1/2	1,351.89	1/2	994.92	1/2	636.21	1/2	272.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,707.50	3/4	1,344.33	3/4	987.58	3/4	628.64	3/4	265.30	3/4		3/4		3/4		3/4		3/4	
7	1,699.94	7	1,336.76	7	980.24	7	621.07	7	257.73	7		7		7		7		7	
1/4	1,692.37	1/4	1,329.19	1/4	972.91	1/4	613.50	1/4	250.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,684.81	1/2	1,321.63	1/2	965.57	1/2	605.93	1/2	242.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,677.24	3/4	1,314.06	3/4	958.23	3/4	598.36	3/4	235.02	3/4		3/4		3/4		3/4		3/4	
8	1,669.67	8	1,306.50	8	950.90	8	590.79	8	227.45	8		8		8		8		8	
1/4	1,662.11	1/4	1,298.93	1/4	943.56	1/4	583.22	1/4	219.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,654.54	1/2	1,291.36	1/2	936.22	1/2	575.65	1/2	212.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,646.97	3/4	1,283.80	3/4	928.89	3/4	568.07	3/4	204.74	3/4		3/4		3/4		3/4		3/4	
9	1,639.41	9	1,276.23	9	921.55	9	560.50	9	197.17	9		9		9		9		9	
1/4	1,631.84	1/4	1,268.66	1/4	914.21	1/4	552.93	1/4	189.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,624.28	1/2	1,261.10	1/2	906.87	1/2	545.36	1/2	182.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,616.71	3/4	1,253.53	3/4	899.54	3/4	537.79	3/4	174.46	3/4		3/4		3/4		3/4		3/4	
10	1,609.14	10	1,245.97	10	892.20	10	530.22	10	166.88	10		10		10		10		10	
1/4	1,601.58	1/4	1,238.40	1/4	884.86	1/4	522.65	1/4	159.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,594.01	1/2	1,230.83	1/2	877.53	1/2	515.08	1/2	151.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,586.44	3/4	1,223.27	3/4	870.19	3/4	507.51	3/4	144.17	3/4		3/4		3/4		3/4		3/4	
11	1,578.88	11	1,215.70	11	862.85	11	499.94	11	136.60	11		11		11		11		11	
1/4	1,571.31	1/4	1,208.13	1/4	855.52	1/4	492.37	1/4	129.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,563.75	1/2	1,200.73	1/2	848.00	1/2	484.80	1/2	121.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,556.18	3/4	1,193.32	3/4	840.49	3/4	477.23	3/4	113.90	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 343"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	4,431.00	0	4,254.81	0	4,073.92	0	3,881.88	0	3,686.90	0	3,359.28	0	2,995.90	0	2,632.29	0	2,268.36
1/4		1/4	4,428.12	1/4	4,251.17	1/4	4,070.02	1/4	3,877.81	1/4	3,682.83	1/4	3,351.73	1/4	2,988.32	1/4	2,624.71	1/4	2,260.78
1/2		1/2	4,425.23	1/2	4,247.54	1/2	4,066.12	1/2	3,873.75	1/2	3,678.77	1/2	3,344.18	1/2	2,980.75	1/2	2,617.13	1/2	2,253.20
3/4		3/4	4,422.35	3/4	4,243.90	3/4	4,062.22	3/4	3,869.69	3/4	3,674.71	3/4	3,336.62	3/4	2,973.17	3/4	2,609.55	3/4	2,245.61
1		1	4,418.51	1	4,240.23	1	4,058.30	1	3,865.63	1	3,670.65	1	3,329.06	1	2,965.60	1	2,601.96	1	2,238.03
1/4		1/4	4,414.68	1/4	4,236.55	1/4	4,054.38	1/4	3,861.57	1/4	3,666.59	1/4	3,321.49	1/4	2,958.02	1/4	2,594.38	1/4	2,230.45
1/2		1/2	4,410.85	1/2	4,232.88	1/2	4,050.46	1/2	3,857.50	1/2	3,662.52	1/2	3,313.92	1/2	2,950.45	1/2	2,586.80	1/2	2,222.87
3/4		3/4	4,407.01	3/4	4,229.20	3/4	4,046.54	3/4	3,853.44	3/4	3,658.46	3/4	3,306.36	3/4	2,942.87	3/4	2,579.22	3/4	2,215.29
2		2	4,402.99	2	4,225.50	2	4,042.60	2	3,849.38	2	3,653.08	2	3,298.78	2	2,935.30	2	2,571.64	2	2,207.70
1/4		1/4	4,398.96	1/4	4,221.80	1/4	4,038.66	1/4	3,845.32	1/4	3,647.70	1/4	3,291.21	1/4	2,927.73	1/4	2,564.05	1/4	2,200.12
1/2		1/2	4,394.94	1/2	4,218.10	1/2	4,034.73	1/2	3,841.26	1/2	3,642.32	1/2	3,283.64	1/2	2,920.15	1/2	2,556.47	1/2	2,192.54
3/4		3/4	4,390.92	3/4	4,214.41	3/4	4,030.79	3/4	3,837.19	3/4	3,636.94	3/4	3,276.07	3/4	2,912.58	3/4	2,548.89	3/4	2,184.96
3		3	4,386.89	3	4,210.68	3	4,026.83	3	3,833.13	3	3,629.82	3	3,268.50	3	2,905.00	3	2,541.31	3	2,177.38
1/4		1/4	4,382.87	1/4	4,206.96	1/4	4,022.87	1/4	3,829.07	1/4	3,622.70	1/4	3,260.93	1/4	2,897.43	1/4	2,533.73	1/4	2,169.79
1/2		1/2	4,378.85	1/2	4,203.24	1/2	4,018.92	1/2	3,825.01	1/2	3,615.59	1/2	3,253.35	1/2	2,889.85	1/2	2,526.14	1/2	2,162.21
3/4		3/4	4,374.83	3/4	4,199.52	3/4	4,014.96	3/4	3,820.95	3/4	3,608.47	3/4	3,245.78	3/4	2,882.28	3/4	2,518.56	3/4	2,154.63
4		4	4,370.80	4	4,195.78	4	4,010.99	4	3,816.88	4	3,600.92	4	3,238.21	4	2,874.70	4	2,510.98	4	2,147.05
1/4		1/4	4,366.78	1/4	4,192.04	1/4	4,007.01	1/4	3,812.82	1/4	3,593.37	1/4	3,230.64	1/4	2,867.13	1/4	2,503.40	1/4	2,139.47
1/2		1/2	4,362.76	1/2	4,188.30	1/2	4,003.04	1/2	3,808.76	1/2	3,585.81	1/2	3,223.07	1/2	2,859.55	1/2	2,495.82	1/2	2,131.89
3/4		3/4	4,358.73	3/4	4,184.56	3/4	3,999.06	3/4	3,804.70	3/4	3,578.26	3/4	3,215.49	3/4	2,851.98	3/4	2,488.23	3/4	2,124.30
5		5	4,355.09	5	4,180.80	5	3,995.07	5	3,800.64	5	3,570.71	5	3,207.92	5	2,844.41	5	2,480.65	5	2,116.72
1/4		1/4	4,351.45	1/4	4,177.05	1/4	3,991.07	1/4	3,796.57	1/4	3,563.16	1/4	3,200.35	1/4	2,836.83	1/4	2,473.07	1/4	2,109.14
1/2		1/2	4,347.81	1/2	4,173.29	1/2	3,987.07	1/2	3,792.51	1/2	3,555.61	1/2	3,192.78	1/2	2,829.26	1/2	2,465.49	1/2	2,101.56
3/4		3/4	4,344.17	3/4	4,169.53	3/4	3,983.08	3/4	3,788.45	3/4	3,548.06	3/4	3,185.21	3/4	2,821.68	3/4	2,457.91	3/4	2,093.98
6		6	4,340.64	6	4,165.76	6	3,979.06	6	3,784.39	6	3,540.51	6	3,177.63	6	2,814.11	6	2,450.33	6	2,086.93
1/4		1/4	4,337.12	1/4	4,161.98	1/4	3,975.05	1/4	3,780.32	1/4	3,532.96	1/4	3,170.06	1/4	2,806.53	1/4	2,442.74	1/4	2,079.89
1/2		1/2	4,333.59	1/2	4,158.20	1/2	3,971.03	1/2	3,776.26	1/2	3,525.40	1/2	3,162.49	1/2	2,798.96	1/2	2,435.16	1/2	2,072.84
3/4		3/4	4,330.07	3/4	4,154.43	3/4	3,967.02	3/4	3,772.20	3/4	3,517.85	3/4	3,154.92	3/4	2,791.38	3/4	2,427.58	3/4	2,065.80
7		7	4,326.52	7	4,150.63	7	3,962.99	7	3,768.14	7	3,510.30	7	3,147.35	7	2,783.81	7	2,420.00	7	2,058.94
1/4		1/4	4,322.98	1/4	4,146.84	1/4	3,958.95	1/4	3,764.08	1/4	3,502.75	1/4	3,139.77	1/4	2,776.23	1/4	2,412.42	1/4	2,052.07
1/2		1/2	4,319.44	1/2	4,143.05	1/2	3,954.92	1/2	3,760.01	1/2	3,495.20	1/2	3,132.20	1/2	2,768.66	1/2	2,404.83	1/2	2,045.21
3/4		3/4	4,315.90	3/4	4,139.25	3/4	3,950.89	3/4	3,755.95	3/4	3,487.65	3/4	3,124.63	3/4	2,761.08	3/4	2,397.25	3/4	2,038.34
8		8	4,312.33	8	4,135.44	8	3,946.84	8	3,751.89	8	3,480.10	8	3,117.06	8	2,753.51	8	2,389.67	8	2,030.97
1/4		1/4	4,308.77	1/4	4,131.63	1/4	3,942.78	1/4	3,747.83	1/4	3,472.55	1/4	3,109.49	1/4	2,745.94	1/4	2,382.09	1/4	2,023.59
1/2		1/2	4,305.21	1/2	4,127.82	1/2	3,938.73	1/2	3,743.77	1/2	3,465.00	1/2	3,101.92	1/2	2,738.36	1/2	2,374.51	1/2	2,016.21
3/4		3/4	4,301.65	3/4	4,124.01	3/4	3,934.68	3/4	3,739.70	3/4	3,457.44	3/4	3,094.34	3/4	2,730.79	3/4	2,366.92	3/4	2,008.84
9		9	4,298.06	9	4,120.18	9	3,930.62	9	3,735.64	9	3,449.89	9	3,086.77	9	2,723.21	9	2,359.34	9	2,001.29
1/4		1/4	4,294.48	1/4	4,116.35	1/4	3,926.56	1/4	3,731.58	1/4	3,442.34	1/4	3,079.20	1/4	2,715.64	1/4	2,351.76	1/4	1,993.74
1/2		1/2	4,290.90	1/2	4,112.52	1/2	3,922.50	1/2	3,727.52	1/2	3,434.79	1/2	3,071.63	1/2	2,708.06	1/2	2,344.18	1/2	1,986.19
3/4		3/4	4,287.32	3/4	4,108.69	3/4	3,918.44	3/4	3,723.46	3/4	3,427.24	3/4	3,064.06	3/4	2,700.49	3/4	2,336.60	3/4	1,978.64
10		10	4,283.72	10	4,104.84	10	3,914.37	10	3,719.39	10	3,419.69	10	3,056.48	10	2,692.91	10	2,329.01	10	1,971.10
1/4		1/4	4,280.12	1/4	4,100.99	1/4	3,910.31	1/4	3,715.33	1/4	3,412.14	1/4	3,048.91	1/4	2,685.34	1/4	2,321.43	1/4	1,963.55
1/2		1/2	4,276.52	1/2	4,097.14	1/2	3,906.25	1/2	3,711.27	1/2	3,404.59	1/2	3,041.34	1/2	2,677.76	1/2	2,313.85	1/2	1,956.00
3/4		3/4	4,272.92	3/4	4,093.30	3/4	3,902.19	3/4	3,707.21	3/4	3,397.03	3/4	3,033.77	3/4	2,670.19	3/4	2,306.27	3/4	1,948.45
11		11	4,269.30	11	4,089.43	11	3,898.13	11	3,703.14	11	3,389.48	11	3,026.19	11	2,662.61	11	2,298.69	11	1,940.88
1/4		1/4	4,265.68	1/4	4,085.56	1/4	3,894.06	1/4	3,699.08	1/4	3,381.93	1/4	3,018.62	1/4	2,655.03	1/4	2,291.11	1/4	1,933.30
1/2		1/2	4,262.06	1/2	4,081.69	1/2	3,890.00	1/2	3,695.02	1/2	3,374.38	1/2	3,011.05	1/2	2,647.45	1/2	2,283.52	1/2	1,925.73
3/4		3/4	4,433.89	3/4	4,258.44	3/4	4,077.82	3/4	3,885.94	3/4	3,690.96	3/4	3,366.83	3/4	3,003.47	3/4	2,639.87	3/4	2,275.94

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "CTCo 343"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	1,910.57	0	1,546.57	0	1,182.58	0	819.13	0	455.14	0	91.22	0		0		0		0	
1/4	1,902.99	1/4	1,538.99	1/4	1,174.99	1/4	811.55	1/4	447.56	1/4	83.67	1/4		1/4	1/4		1/4	1/4	
1/2	1,895.41	1/2	1,531.41	1/2	1,167.41	1/2	803.97	1/2	439.98	1/2	76.12	1/2		1/2	1/2		1/2	1/2	
3/4	1,887.82	3/4	1,523.82	3/4	1,159.83	3/4	796.38	3/4	432.39	3/4	68.57	3/4		3/4	3/4		3/4	3/4	
1	1,880.24	1	1,516.24	1	1,152.25	1	788.80	1	424.81	1	61.70	1		1		1		1	
1/4	1,872.66	1/4	1,508.66	1/4	1,144.67	1/4	781.22	1/4	417.23	1/4	54.84	1/4		1/4	1/4		1/4	1/4	
1/2	1,865.07	1/2	1,501.07	1/2	1,137.09	1/2	773.63	1/2	409.65	1/2	47.98	1/2		1/2	1/2		1/2	1/2	
3/4	1,857.49	3/4	1,493.49	3/4	1,129.52	3/4	766.05	3/4	402.06	3/4	41.12	3/4		3/4	3/4		3/4	3/4	
2	1,849.91	2	1,485.91	2	1,121.94	2	758.47	2	394.48	2	35.90	2		2		2		2	
1/4	1,842.32	1/4	1,478.32	1/4	1,114.37	1/4	750.88	1/4	386.90	1/4	30.69	1/4		1/4	1/4		1/4	1/4	
1/2	1,834.74	1/2	1,470.74	1/2	1,106.79	1/2	743.30	1/2	379.31	1/2	25.48	1/2		1/2	1/2		1/2	1/2	
3/4	1,827.16	3/4	1,463.16	3/4	1,099.22	3/4	735.72	3/4	371.73	3/4	20.27	3/4		3/4	3/4		3/4	3/4	
3	1,819.57	3	1,455.57	3	1,091.65	3	728.14	3	364.15	3		3		3		3		3	
1/4	1,811.99	1/4	1,447.99	1/4	1,084.07	1/4	720.55	1/4	356.56	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,804.41	1/2	1,440.41	1/2	1,076.50	1/2	712.97	1/2	348.98	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,796.82	3/4	1,432.82	3/4	1,068.93	3/4	705.39	3/4	341.40	3/4		3/4		3/4	3/4		3/4	3/4	
4	1,789.24	4	1,425.24	4	1,061.37	4	697.80	4	333.81	4		4		4		4		4	
1/4	1,781.66	1/4	1,417.66	1/4	1,053.80	1/4	690.22	1/4	326.23	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,774.07	1/2	1,410.07	1/2	1,046.23	1/2	682.64	1/2	318.65	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,766.49	3/4	1,402.49	3/4	1,038.66	3/4	675.05	3/4	311.06	3/4		3/4		3/4	3/4		3/4	3/4	
5	1,758.91	5	1,394.91	5	1,031.09	5	667.47	5	303.48	5		5		5		5		5	
1/4	1,751.32	1/4	1,387.32	1/4	1,023.53	1/4	659.89	1/4	295.90	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,743.74	1/2	1,379.74	1/2	1,015.96	1/2	652.30	1/2	288.32	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,736.16	3/4	1,372.16	3/4	1,008.39	3/4	644.72	3/4	280.73	3/4		3/4		3/4	3/4		3/4	3/4	
6	1,728.57	6	1,364.58	6	1,000.82	6	637.14	6	273.15	6		6		6		6		6	
1/4	1,720.99	1/4	1,356.99	1/4	993.25	1/4	629.55	1/4	265.57	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,713.41	1/2	1,349.41	1/2	985.69	1/2	621.97	1/2	257.98	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,705.82	3/4	1,341.83	3/4	978.12	3/4	614.39	3/4	250.40	3/4		3/4		3/4	3/4		3/4	3/4	
7	1,698.24	7	1,334.24	7	970.55	7	606.81	7	242.82	7		7		7		7		7	
1/4	1,690.66	1/4	1,326.66	1/4	962.98	1/4	599.22	1/4	235.23	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,683.07	1/2	1,319.08	1/2	955.41	1/2	591.64	1/2	227.65	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,675.49	3/4	1,311.49	3/4	947.85	3/4	584.06	3/4	220.07	3/4		3/4		3/4	3/4		3/4	3/4	
8	1,667.91	8	1,303.91	8	940.28	8	576.47	8	212.48	8		8		8		8		8	
1/4	1,660.32	1/4	1,296.33	1/4	932.71	1/4	568.89	1/4	204.90	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,652.74	1/2	1,288.74	1/2	925.14	1/2	561.31	1/2	197.32	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,645.16	3/4	1,281.16	3/4	917.57	3/4	553.72	3/4	189.74	3/4		3/4		3/4	3/4		3/4	3/4	
9	1,637.57	9	1,273.58	9	910.01	9	546.14	9	182.15	9		9		9		9		9	
1/4	1,629.99	1/4	1,265.99	1/4	902.44	1/4	538.56	1/4	174.57	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,622.41	1/2	1,258.41	1/2	894.87	1/2	530.97	1/2	166.99	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,614.82	3/4	1,250.83	3/4	887.30	3/4	523.39	3/4	159.40	3/4		3/4		3/4	3/4		3/4	3/4	
10	1,607.24	10	1,243.24	10	879.73	10	515.81	10	151.82	10		10		10		10		10	
1/4	1,599.66	1/4	1,235.66	1/4	872.17	1/4	508.23	1/4	144.24	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,592.07	1/2	1,228.08	1/2	864.60	1/2	500.64	1/2	136.66	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,584.49	3/4	1,220.49	3/4	857.03	3/4	493.06	3/4	129.07	3/4		3/4		3/4	3/4		3/4	3/4	
11	1,576.91	11	1,212.91	11	849.45	11	485.48	11	121.50	11		11		11		11		11	
1/4	1,569.32	1/4	1,205.33	1/4	841.87	1/4	477.89	1/4	113.93	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,561.74	1/2	1,197.74	1/2	834.29	1/2	470.31	1/2	106.35	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,554.16	3/4	1,190.16	3/4	826.72	3/4	462.73	3/4	98.78	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  
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