



BARGE "CTCo 343"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	00-0/8	- 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 INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 234'-03"

October 2, 2015

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

<http://www.pmacorp.net>



BARGE "CTCo 343"

1 PORT INNAGE 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	3,592.23	0	3,957.72	0	4,320.61	0	4,665.03	0	4,996.66	0		0		0		0		0	
1/4	3,599.84	1/4	3,965.34	1/4	4,327.99	1/4	4,671.97	1/4	5,004.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,607.46	1/2	3,972.95	1/2	4,335.37	1/2	4,678.91	1/2	5,011.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,615.07	3/4	3,980.57	3/4	4,342.76	3/4	4,685.85	3/4	5,019.33	3/4		3/4		3/4		3/4		3/4	
1	3,622.69	1	3,988.18	1	4,350.14	1	4,692.79	1	5,026.88	1		1		1		1		1	
1/4	3,630.30	1/4	3,995.80	1/4	4,357.49	1/4	4,699.69	1/4	5,034.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,637.91	1/2	4,003.41	1/2	4,364.84	1/2	4,706.58	1/2	5,041.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,645.53	3/4	4,011.03	3/4	4,372.19	3/4	4,713.48	3/4	5,048.99	3/4		3/4		3/4		3/4		3/4	
2	3,653.14	2	4,018.64	2	4,379.54	2	4,720.38	2	5,056.36	2		2		2		2		2	
1/4	3,660.76	1/4	4,026.25	1/4	4,386.85	1/4	4,727.21	1/4	5,062.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,668.37	1/2	4,033.87	1/2	4,394.16	1/2	4,734.04	1/2	5,069.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,675.99	3/4	4,041.48	3/4	4,401.47	3/4	4,740.88	3/4	5,075.61	3/4		3/4		3/4		3/4		3/4	
3	3,683.60	3	4,049.10	3	4,408.78	3	4,747.71	3	5,082.03	3		3		3		3		3	
1/4	3,691.22	1/4	4,056.71	1/4	4,416.04	1/4	4,754.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,698.83	1/2	4,064.33	1/2	4,423.30	1/2	4,761.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,706.45	3/4	4,071.94	3/4	4,430.56	3/4	4,768.11	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,714.06	4	4,079.56	4	4,437.82	4	4,774.91	4		4		4		4		4		4	
1/4	3,721.67	1/4	4,087.17	1/4	4,445.03	1/4	4,781.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.29	1/2	4,094.78	1/2	4,452.25	1/2	4,788.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,736.90	3/4	4,102.40	3/4	4,459.47	3/4	4,795.21	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,744.52	5	4,110.01	5	4,466.69	5	4,801.98	5		5		5		5		5		5	
1/4	3,752.13	1/4	4,117.62	1/4	4,473.87	1/4	4,808.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,759.75	1/2	4,125.24	1/2	4,481.06	1/2	4,815.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,767.36	3/4	4,132.85	3/4	4,488.24	3/4	4,822.18	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,774.98	6	4,140.46	6	4,495.43	6	4,828.91	6		6		6		6		6		6	
1/4	3,782.59	1/4	4,148.05	1/4	4,502.58	1/4	4,835.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,790.20	1/2	4,155.64	1/2	4,509.73	1/2	4,842.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,797.82	3/4	4,163.24	3/4	4,516.88	3/4	4,849.00	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,805.43	7	4,170.83	7	4,524.03	7	4,855.70	7		7		7		7		7		7	
1/4	3,813.05	1/4	4,178.39	1/4	4,531.15	1/4	4,862.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,820.66	1/2	4,185.95	1/2	4,538.27	1/2	4,869.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,828.28	3/4	4,193.51	3/4	4,545.39	3/4	4,875.67	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,835.89	8	4,201.07	8	4,552.50	8	4,882.33	8		8		8		8		8		8	
1/4	3,843.51	1/4	4,208.60	1/4	4,559.59	1/4	4,888.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,851.12	1/2	4,216.12	1/2	4,566.67	1/2	4,895.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,858.74	3/4	4,223.65	3/4	4,573.75	3/4	4,902.21	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,866.35	9	4,231.18	9	4,580.84	9	4,908.84	9		9		9		9		9		9	
1/4	3,873.96	1/4	4,238.67	1/4	4,587.89	1/4	4,915.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,881.58	1/2	4,246.16	1/2	4,594.94	1/2	4,922.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,889.19	3/4	4,253.65	3/4	4,601.99	3/4	4,929.36	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,896.81	10	4,261.14	10	4,609.04	10	4,936.20	10		10		10		10		10		10	
1/4	3,904.42	1/4	4,268.59	1/4	4,616.05	1/4	4,943.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,912.04	1/2	4,276.04	1/2	4,623.07	1/2	4,951.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,919.65	3/4	4,283.49	3/4	4,630.09	3/4	4,958.87	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,927.27	11	4,290.94	11	4,637.10	11	4,966.43	11		11		11		11		11		11	
1/4	3,934.88	1/4	4,298.36	1/4	4,644.08	1/4	4,973.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,942.49	1/2	4,305.77	1/2	4,651.07	1/2	4,981.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,950.11	3/4	4,313.19	3/4	4,658.05	3/4	4,989.10	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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BARGE "CTCo 343"

1 STBD

INNAGE 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	19.12	0	315.67	0	670.51	0	1,036.14	0	1,402.17	0	1,768.26	0	2,128.10	0	2,494.10	0	2,860.11	0	3,225.99
1/4	23.00	1/4	322.64	1/4	678.14	1/4	1,043.76	1/4	1,409.80	1/4	1,775.88	1/4	2,135.72	1/4	2,501.73	1/4	2,867.73	1/4	3,233.61
1/2	26.89	1/2	329.62	1/2	685.77	1/2	1,051.38	1/2	1,417.43	1/2	1,783.51	1/2	2,143.35	1/2	2,509.35	1/2	2,875.36	1/2	3,241.23
3/4	30.77	3/4	336.60	3/4	693.39	3/4	1,059.00	3/4	1,425.05	3/4	1,791.14	3/4	2,150.97	3/4	2,516.98	3/4	2,882.98	3/4	3,248.85
1	34.66	1	343.57	1	701.02	1	1,066.62	1	1,432.68	1	1,798.76	1	2,158.60	1	2,524.60	1	2,890.61	1	3,256.48
1/4	39.96	1/4	350.64	1/4	708.65	1/4	1,074.24	1/4	1,440.31	1/4	1,806.39	1/4	2,166.22	1/4	2,532.23	1/4	2,898.23	1/4	3,264.10
1/2	45.25	1/2	357.70	1/2	716.27	1/2	1,081.86	1/2	1,447.93	1/2	1,814.02	1/2	2,173.85	1/2	2,539.85	1/2	2,905.86	1/2	3,271.72
3/4	50.55	3/4	364.76	3/4	723.90	3/4	1,089.48	3/4	1,455.56	3/4	1,821.64	3/4	2,181.47	3/4	2,547.48	3/4	2,913.48	3/4	3,279.34
2	55.85	2	371.82	2	731.52	2	1,097.11	2	1,463.19	2	1,829.27	2	2,189.10	2	2,555.10	2	2,921.11	2	3,286.96
1/4	61.93	1/4	378.97	1/4	739.15	1/4	1,104.73	1/4	1,470.81	1/4	1,836.90	1/4	2,196.73	1/4	2,562.73	1/4	2,928.73	1/4	3,294.58
1/2	68.01	1/2	386.12	1/2	746.78	1/2	1,112.36	1/2	1,478.44	1/2	1,844.52	1/2	2,204.35	1/2	2,570.36	1/2	2,936.36	1/2	3,302.20
3/4	74.08	3/4	393.27	3/4	754.40	3/4	1,119.99	3/4	1,486.07	3/4	1,852.15	3/4	2,211.98	3/4	2,577.98	3/4	2,943.98	3/4	3,309.82
3	80.16	3	400.42	3	762.03	3	1,127.61	3	1,493.69	3	1,859.78	3	2,219.60	3	2,585.61	3	2,951.61	3	3,317.44
1/4	86.35	1/4	407.66	1/4	769.65	1/4	1,135.24	1/4	1,501.32	1/4	1,867.39	1/4	2,227.23	1/4	2,593.23	1/4	2,959.24	1/4	3,325.07
1/2	92.54	1/2	414.90	1/2	777.28	1/2	1,142.87	1/2	1,508.95	1/2	1,875.01	1/2	2,234.85	1/2	2,600.86	1/2	2,966.86	1/2	3,332.69
3/4	98.73	3/4	422.13	3/4	784.90	3/4	1,150.49	3/4	1,516.57	3/4	1,882.62	3/4	2,242.48	3/4	2,608.48	3/4	2,974.49	3/4	3,340.31
4	104.91	4	429.37	4	792.52	4	1,158.12	4	1,524.20	4	1,890.24	4	2,250.10	4	2,616.11	4	2,982.12	4	3,347.93
1/4	111.20	1/4	436.69	1/4	800.14	1/4	1,165.75	1/4	1,531.83	1/4	1,897.83	1/4	2,257.73	1/4	2,623.73	1/4	2,989.74	1/4	3,355.55
1/2	117.48	1/2	444.01	1/2	807.75	1/2	1,173.37	1/2	1,539.46	1/2	1,905.42	1/2	2,265.35	1/2	2,631.36	1/2	2,997.36	1/2	3,363.17
3/4	123.76	3/4	451.34	3/4	815.36	3/4	1,181.00	3/4	1,547.08	3/4	1,913.01	3/4	2,272.98	3/4	2,638.98	3/4	3,004.98	3/4	3,370.79
5	130.04	5	458.66	5	822.98	5	1,188.63	5	1,554.71	5	1,920.60	5	2,280.60	5	2,646.61	5	3,012.60	5	3,378.41
1/4	136.41	1/4	466.07	1/4	830.59	1/4	1,196.25	1/4	1,562.34	1/4	1,928.20	1/4	2,288.23	1/4	2,654.23	1/4	3,020.22	1/4	3,386.03
1/2	142.78	1/2	473.48	1/2	838.20	1/2	1,203.88	1/2	1,569.96	1/2	1,935.79	1/2	2,295.85	1/2	2,661.86	1/2	3,027.84	1/2	3,393.66
3/4	149.15	3/4	480.89	3/4	845.81	3/4	1,211.51	3/4	1,577.59	3/4	1,943.38	3/4	2,303.48	3/4	2,669.48	3/4	3,035.46	3/4	3,401.28
6	155.52	6	488.30	6	853.43	6	1,219.13	6	1,585.22	6	1,950.97	6	2,311.10	6	2,677.11	6	3,043.08	6	3,408.90
1/4	161.97	1/4	495.79	1/4	861.04	1/4	1,226.76	1/4	1,592.84	1/4	1,958.39	1/4	2,318.73	1/4	2,684.73	1/4	3,050.71	1/4	3,416.52
1/2	168.43	1/2	503.29	1/2	868.65	1/2	1,234.39	1/2	1,600.47	1/2	1,965.81	1/2	2,326.35	1/2	2,692.36	1/2	3,058.33	1/2	3,424.14
3/4	174.89	3/4	510.78	3/4	876.26	3/4	1,242.01	3/4	1,608.10	3/4	1,973.23	3/4	2,333.98	3/4	2,699.98	3/4	3,065.95	3/4	3,431.76
7	181.34	7	518.28	7	883.88	7	1,249.64	7	1,615.72	7	1,980.65	7	2,341.60	7	2,707.61	7	3,073.57	7	3,439.38
1/4	187.89	1/4	525.85	1/4	891.49	1/4	1,257.27	1/4	1,623.35	1/4	1,987.55	1/4	2,349.23	1/4	2,715.23	1/4	3,081.19	1/4	3,447.00
1/2	194.43	1/2	533.41	1/2	899.10	1/2	1,264.89	1/2	1,630.98	1/2	1,994.45	1/2	2,356.85	1/2	2,722.86	1/2	3,088.81	1/2	3,454.62
3/4	200.97	3/4	540.98	3/4	906.72	3/4	1,272.52	3/4	1,638.60	3/4	2,001.36	3/4	2,364.48	3/4	2,730.48	3/4	3,096.43	3/4	3,462.24
8	207.51	8	548.55	8	914.33	8	1,280.15	8	1,646.23	8	2,008.26	8	2,372.10	8	2,738.11	8	3,104.05	8	3,469.87
1/4	214.14	1/4	556.16	1/4	921.94	1/4	1,287.77	1/4	1,653.86	1/4	2,015.35	1/4	2,379.73	1/4	2,745.73	1/4	3,111.67	1/4	3,477.49
1/2	220.77	1/2	563.77	1/2	929.55	1/2	1,295.40	1/2	1,661.48	1/2	2,022.43	1/2	2,387.35	1/2	2,753.36	1/2	3,119.30	1/2	3,485.11
3/4	227.40	3/4	571.39	3/4	937.17	3/4	1,303.03	3/4	1,669.11	3/4	2,029.51	3/4	2,394.98	3/4	2,760.98	3/4	3,126.92	3/4	3,492.73
9	234.03	9	579.00	9	944.78	9	1,310.65	9	1,676.74	9	2,036.60	9	2,402.60	9	2,768.61	9	3,134.54	9	3,500.35
1/4	240.75	1/4	586.63	1/4	952.39	1/4	1,318.28	1/4	1,684.36	1/4	2,044.22	1/4	2,410.23	1/4	2,776.23	1/4	3,142.16	1/4	3,507.97
1/2	247.46	1/2	594.25	1/2	960.01	1/2	1,325.91	1/2	1,691.99	1/2	2,051.85	1/2	2,417.85	1/2	2,783.86	1/2	3,149.78	1/2	3,515.59
3/4	254.18	3/4	601.88	3/4	967.62	3/4	1,333.53	3/4	1,699.62	3/4	2,059.47	3/4	2,425.48	3/4	2,791.48	3/4	3,157.40	3/4	3,523.21
10	260.90	10	609.50	10	975.23	10	1,341.16	10	1,707.24	10	2,067.10	10	2,433.10	10	2,799.11	10	3,165.02	10	3,530.83
1/4	267.70	1/4	617.13	1/4	982.84	1/4	1,348.79	1/4	1,714.87	1/4	2,074.72	1/4	2,440.73	1/4	2,806.73	1/4	3,172.64	1/4	3,538.46
1/2	274.50	1/2	624.76	1/2	990.46	1/2	1,356.41	1/2	1,722.50	1/2	2,082.35	1/2	2,448.35	1/2	2,814.36	1/2	3,180.26	1/2	3,546.08
3/4	281.31	3/4	632.38	3/4	998.07	3/4	1,364.04	3/4	1,730.12	3/4	2,089.97	3/4	2,455.98	3/4	2,821.98	3/4	3,187.89	3/4	3,553.70
11	288.11	11	640.01	11	1,005.68	11	1,371.67	11	1,737.75	11	2,097.60	11	2,463.60	11	2,829.61	11	3,195.51	11	3,561.32
1/4	295.00	1/4	647.64	1/4	1,013.30	1/4	1,379.29	1/4	1,745.38	1/4	2,105.22	1/4	2,471.23	1/4	2,837.23	1/4	3,203.13	1/4	3,568.94
1/2	301.89	1/2	655.26	1/2	1,020.91	1/2	1,386.92	1/2	1,753.00	1/2	2,112.85	1/2	2,478.85	1/2	2,844.86	1/2	3,210.75	1/2	3,576.56
3/4	308.78	3/4	662.89	3/4	1,028.53	3/4	1,394.55	3/4	1,760.63	3/4	2,120.47	3/4	2,486.48	3/4	2,852.48	3/4	3,218.37	3/4	3,584.18

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP 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 INNAGE 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	3,591.80	0	3,957.62	0	4,320.83	0	4,665.55	0	4,997.47	0		0		0		0		0	
1/4	3,599.42	1/4	3,965.24	1/4	4,328.22	1/4	4,672.50	1/4	5,005.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,607.05	1/2	3,972.86	1/2	4,335.61	1/2	4,679.44	1/2	5,012.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,614.67	3/4	3,980.48	3/4	4,343.00	3/4	4,686.39	3/4	5,020.16	3/4		3/4		3/4		3/4		3/4	
1	3,622.29	1	3,988.10	1	4,350.39	1	4,693.34	1	5,027.73	1		1		1		1		1	
1/4	3,629.91	1/4	3,995.72	1/4	4,357.74	1/4	4,700.24	1/4	5,035.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,637.53	1/2	4,003.34	1/2	4,365.10	1/2	4,707.14	1/2	5,042.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,645.15	3/4	4,010.96	3/4	4,372.45	3/4	4,714.05	3/4	5,049.85	3/4		3/4		3/4		3/4		3/4	
2	3,652.77	2	4,018.59	2	4,379.81	2	4,720.95	2	5,057.22	2		2		2		2		2	
1/4	3,660.39	1/4	4,026.21	1/4	4,387.13	1/4	4,727.79	1/4	5,063.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,668.01	1/2	4,033.83	1/2	4,394.44	1/2	4,734.63	1/2	5,070.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,675.64	3/4	4,041.45	3/4	4,401.76	3/4	4,741.47	3/4	5,076.48	3/4		3/4		3/4		3/4		3/4	
3	3,683.26	3	4,049.07	3	4,409.08	3	4,748.31	3	5,082.90	3		3		3		3		3	
1/4	3,690.88	1/4	4,056.69	1/4	4,416.34	1/4	4,755.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,698.50	1/2	4,064.31	1/2	4,423.61	1/2	4,761.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,706.12	3/4	4,071.93	3/4	4,430.87	3/4	4,768.73	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,713.74	4	4,079.55	4	4,438.14	4	4,775.53	4		4		4		4		4		4	
1/4	3,721.36	1/4	4,087.18	1/4	4,445.36	1/4	4,782.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,728.98	1/2	4,094.80	1/2	4,452.59	1/2	4,789.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,736.60	3/4	4,102.42	3/4	4,459.81	3/4	4,795.85	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,744.23	5	4,110.04	5	4,467.04	5	4,802.62	5		5		5		5		5		5	
1/4	3,751.85	1/4	4,117.66	1/4	4,474.23	1/4	4,809.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,759.47	1/2	4,125.28	1/2	4,481.42	1/2	4,816.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,767.09	3/4	4,132.90	3/4	4,488.61	3/4	4,822.84	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,774.71	6	4,140.52	6	4,495.80	6	4,829.58	6		6		6		6		6		6	
1/4	3,782.33	1/4	4,148.12	1/4	4,502.96	1/4	4,836.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,789.95	1/2	4,155.72	1/2	4,510.12	1/2	4,842.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,797.57	3/4	4,163.32	3/4	4,517.27	3/4	4,849.68	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,805.19	7	4,170.92	7	4,524.43	7	4,856.39	7		7		7		7		7		7	
1/4	3,812.82	1/4	4,178.49	1/4	4,531.55	1/4	4,863.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,820.44	1/2	4,186.05	1/2	4,538.68	1/2	4,869.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,828.06	3/4	4,193.62	3/4	4,545.80	3/4	4,876.38	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,835.68	8	4,201.19	8	4,552.92	8	4,883.04	8		8		8		8		8		8	
1/4	3,843.30	1/4	4,208.72	1/4	4,560.01	1/4	4,889.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,850.92	1/2	4,216.25	1/2	4,567.11	1/2	4,896.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,858.54	3/4	4,223.78	3/4	4,574.20	3/4	4,902.94	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,866.16	9	4,231.32	9	4,581.29	9	4,909.57	9		9		9		9		9		9	
1/4	3,873.78	1/4	4,238.81	1/4	4,588.34	1/4	4,916.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,881.41	1/2	4,246.31	1/2	4,595.40	1/2	4,923.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,889.03	3/4	4,253.81	3/4	4,602.45	3/4	4,930.12	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,896.65	10	4,261.31	10	4,609.51	10	4,936.96	10		10		10		10		10		10	
1/4	3,904.27	1/4	4,268.76	1/4	4,616.53	1/4	4,944.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,911.89	1/2	4,276.22	1/2	4,623.56	1/2	4,952.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,919.51	3/4	4,283.68	3/4	4,630.58	3/4	4,959.65	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,927.13	11	4,291.13	11	4,637.60	11	4,967.22	11		11		11		11		11		11	
1/4	3,934.75	1/4	4,298.56	1/4	4,644.59	1/4	4,974.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,942.37	1/2	4,305.98	1/2	4,651.58	1/2	4,982.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,950.00	3/4	4,313.40	3/4	4,658.56	3/4	4,989.91	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2015

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



BARGE "CTCo 343"

2 PORT INNAGE 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	3,420.73	0	3,763.89	0	4,104.60	0	4,427.92	0	4,739.12	0		0		0		0		0	
1/4	3,427.88	1/4	3,771.04	1/4	4,111.54	1/4	4,434.44	1/4	4,746.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,435.03	1/2	3,778.19	1/2	4,118.47	1/2	4,440.95	1/2	4,753.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,442.17	3/4	3,785.34	3/4	4,125.40	3/4	4,447.47	3/4	4,760.40	3/4		3/4		3/4		3/4		3/4	
1	3,449.32	1	3,792.49	1	4,132.33	1	4,453.98	1	4,767.49	1		1		1		1		1	
1/4	3,456.47	1/4	3,799.63	1/4	4,139.23	1/4	4,460.46	1/4	4,774.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,463.62	1/2	3,806.78	1/2	4,146.13	1/2	4,466.93	1/2	4,781.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,470.77	3/4	3,813.93	3/4	4,153.03	3/4	4,473.40	3/4	4,788.23	3/4		3/4		3/4		3/4		3/4	
2	3,477.92	2	3,821.08	2	4,159.93	2	4,479.88	2	4,795.15	2		2		2		2		2	
1/4	3,485.07	1/4	3,828.23	1/4	4,166.80	1/4	4,486.29	1/4	4,801.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,492.22	1/2	3,835.38	1/2	4,173.66	1/2	4,492.70	1/2	4,807.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,499.37	3/4	3,842.53	3/4	4,180.52	3/4	4,499.11	3/4	4,813.21	3/4		3/4		3/4		3/4		3/4	
3	3,506.52	3	3,849.68	3	4,187.39	3	4,505.53	3	4,819.23	3		3		3		3		3	
1/4	3,513.67	1/4	3,856.83	1/4	4,194.20	1/4	4,511.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,520.82	1/2	3,863.98	1/2	4,201.02	1/2	4,518.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,527.96	3/4	3,871.13	3/4	4,207.83	3/4	4,524.67	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,535.11	4	3,878.28	4	4,214.64	4	4,531.05	4		4		4		4		4		4	
1/4	3,542.26	1/4	3,885.42	1/4	4,221.42	1/4	4,537.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,549.41	1/2	3,892.57	1/2	4,228.19	1/2	4,543.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,556.56	3/4	3,899.72	3/4	4,234.97	3/4	4,550.09	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,563.71	5	3,906.87	5	4,241.75	5	4,556.44	5		5		5		5		5		5	
1/4	3,570.86	1/4	3,914.02	1/4	4,248.49	1/4	4,562.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,578.01	1/2	3,921.17	1/2	4,255.24	1/2	4,569.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,585.16	3/4	3,928.31	3/4	4,261.98	3/4	4,575.40	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,592.31	6	3,935.46	6	4,268.72	6	4,581.71	6		6		6		6		6		6	
1/4	3,599.46	1/4	3,942.59	1/4	4,275.44	1/4	4,588.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,606.61	1/2	3,949.72	1/2	4,282.15	1/2	4,594.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,613.76	3/4	3,956.85	3/4	4,288.86	3/4	4,600.56	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,620.90	7	3,963.98	7	4,295.57	7	4,606.85	7		7		7		7		7		7	
1/4	3,628.05	1/4	3,971.08	1/4	4,302.26	1/4	4,613.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,635.20	1/2	3,978.18	1/2	4,308.94	1/2	4,619.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,642.35	3/4	3,985.27	3/4	4,315.62	3/4	4,625.59	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,649.50	8	3,992.37	8	4,322.30	8	4,631.84	8		8		8		8		8		8	
1/4	3,656.65	1/4	3,999.44	1/4	4,328.95	1/4	4,638.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,663.80	1/2	4,006.51	1/2	4,335.60	1/2	4,644.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,670.95	3/4	4,013.57	3/4	4,342.25	3/4	4,650.49	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,678.10	9	4,020.64	9	4,348.90	9	4,656.71	9		9		9		9		9		9	
1/4	3,685.25	1/4	4,027.67	1/4	4,355.51	1/4	4,663.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,692.40	1/2	4,034.70	1/2	4,362.13	1/2	4,669.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,699.55	3/4	4,041.74	3/4	4,368.75	3/4	4,675.97	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,706.69	10	4,048.77	10	4,375.37	10	4,682.39	10		10		10		10		10		10	
1/4	3,713.84	1/4	4,055.77	1/4	4,381.95	1/4	4,689.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,720.99	1/2	4,062.76	1/2	4,388.54	1/2	4,696.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,728.14	3/4	4,069.76	3/4	4,395.13	3/4	4,703.66	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,735.29	11	4,076.75	11	4,401.71	11	4,710.75	11		11		11		11		11		11	
1/4	3,742.44	1/4	4,083.71	1/4	4,408.27	1/4	4,717.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,749.59	1/2	4,090.68	1/2	4,414.82	1/2	4,724.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,756.74	3/4	4,097.64	3/4	4,421.37	3/4	4,732.03	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "CTCo 343"

2 STBD INNAGE 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	19.19	0	351.63	0	695.92	0	1,039.80	0	1,384.06	0	1,728.36	0	2,066.78	0	2,411.01	0	2,755.24	0	3,099.33
1/4	24.12	1/4	358.81	1/4	703.09	1/4	1,046.97	1/4	1,391.23	1/4	1,735.53	1/4	2,073.95	1/4	2,418.18	1/4	2,762.41	1/4	3,106.50
1/2	29.06	1/2	365.98	1/2	710.26	1/2	1,054.13	1/2	1,398.41	1/2	1,742.70	1/2	2,081.12	1/2	2,425.35	1/2	2,798.58	1/2	3,113.67
3/4	33.99	3/4	373.15	3/4	717.44	3/4	1,061.30	3/4	1,405.58	3/4	1,749.88	3/4	2,088.29	3/4	2,432.52	3/4	2,776.76	3/4	3,120.84
1	38.92	1	380.32	1	724.61	1	1,068.47	1	1,412.75	1	1,757.05	1	2,095.46	1	2,439.69	1	2,783.93	1	3,128.00
1/4	45.41	1/4	387.50	1/4	731.78	1/4	1,075.64	1/4	1,419.92	1/4	1,764.22	1/4	2,102.63	1/4	2,446.87	1/4	2,791.10	1/4	3,135.17
1/2	51.90	1/2	394.67	1/2	738.95	1/2	1,082.81	1/2	1,427.10	1/2	1,771.40	1/2	2,109.81	1/2	2,454.04	1/2	2,798.27	1/2	3,142.34
3/4	58.39	3/4	401.84	3/4	746.13	3/4	1,089.98	3/4	1,434.27	3/4	1,778.57	3/4	2,116.98	3/4	2,461.21	3/4	2,805.44	3/4	3,149.51
2	64.88	2	409.01	2	753.30	2	1,097.14	2	1,441.44	2	1,785.74	2	2,124.15	2	2,468.38	2	2,812.61	2	3,156.67
1/4	72.02	1/4	416.19	1/4	760.47	1/4	1,104.32	1/4	1,448.62	1/4	1,792.92	1/4	2,131.32	1/4	2,475.55	1/4	2,819.78	1/4	3,163.84
1/2	79.17	1/2	423.36	1/2	767.64	1/2	1,111.49	1/2	1,455.79	1/2	1,800.09	1/2	2,138.49	1/2	2,482.72	1/2	2,826.96	1/2	3,171.01
3/4	86.31	3/4	430.53	3/4	774.82	3/4	1,118.66	3/4	1,462.96	3/4	1,807.26	3/4	2,145.66	3/4	2,489.90	3/4	2,834.13	3/4	3,178.18
3	93.46	3	437.70	3	781.99	3	1,125.84	3	1,470.13	3	1,814.43	3	2,152.83	3	2,497.07	3	2,841.30	3	3,185.34
1/4	100.62	1/4	444.88	1/4	789.16	1/4	1,133.01	1/4	1,477.31	1/4	1,821.60	1/4	2,160.01	1/4	2,504.24	1/4	2,848.47	1/4	3,192.51
1/2	107.78	1/2	452.05	1/2	796.33	1/2	1,140.18	1/2	1,484.48	1/2	1,828.76	1/2	2,167.18	1/2	2,511.41	1/2	2,855.64	1/2	3,199.68
3/4	114.95	3/4	459.22	3/4	803.50	3/4	1,147.35	3/4	1,491.65	3/4	1,835.93	3/4	2,174.35	3/4	2,518.58	3/4	2,862.81	3/4	3,206.85
4	122.11	4	466.40	4	810.67	4	1,154.53	4	1,498.83	4	1,843.09	4	2,181.52	4	2,525.75	4	2,869.97	4	3,214.01
1/4	129.29	1/4	473.57	1/4	817.83	1/4	1,161.70	1/4	1,506.00	1/4	1,850.23	1/4	2,188.69	1/4	2,532.92	1/4	2,877.14	1/4	3,221.18
1/2	136.46	1/2	480.74	1/2	824.99	1/2	1,168.87	1/2	1,513.17	1/2	1,857.36	1/2	2,195.86	1/2	2,540.10	1/2	2,884.31	1/2	3,228.35
3/4	143.63	3/4	487.91	3/4	832.15	3/4	1,176.05	3/4	1,520.34	3/4	1,864.50	3/4	2,203.04	3/4	2,547.27	3/4	2,891.48	3/4	3,235.52
5	150.80	5	495.09	5	839.31	5	1,183.22	5	1,527.52	5	1,871.64	5	2,210.21	5	2,554.44	5	2,898.64	5	3,242.68
1/4	157.97	1/4	502.26	1/4	846.47	1/4	1,190.39	1/4	1,534.69	1/4	1,878.78	1/4	2,217.38	1/4	2,561.61	1/4	2,905.81	1/4	3,249.85
1/2	165.15	1/2	509.43	1/2	853.63	1/2	1,197.56	1/2	1,541.86	1/2	1,885.91	1/2	2,224.55	1/2	2,568.78	1/2	2,912.98	1/2	3,257.02
3/4	172.32	3/4	516.60	3/4	860.79	3/4	1,204.74	3/4	1,549.04	3/4	1,893.05	3/4	2,231.72	3/4	2,575.95	3/4	2,920.15	3/4	3,264.19
6	179.49	6	523.78	6	867.95	6	1,211.91	6	1,556.21	6	1,900.19	6	2,238.89	6	2,583.12	6	2,927.31	6	3,271.35
1/4	186.66	1/4	530.95	1/4	875.11	1/4	1,219.08	1/4	1,563.38	1/4	1,907.17	1/4	2,246.06	1/4	2,590.30	1/4	2,934.48	1/4	3,278.52
1/2	193.84	1/2	538.12	1/2	882.27	1/2	1,226.26	1/2	1,570.56	1/2	1,914.14	1/2	2,253.24	1/2	2,597.47	1/2	2,941.65	1/2	3,285.69
3/4	201.01	3/4	545.29	3/4	889.43	3/4	1,233.43	3/4	1,577.73	3/4	1,921.12	3/4	2,260.41	3/4	2,604.64	3/4	2,948.82	3/4	3,292.86
7	208.18	7	552.47	7	896.59	7	1,240.60	7	1,584.90	7	1,928.09	7	2,267.58	7	2,611.81	7	2,955.98	7	3,300.02
1/4	215.35	1/4	559.64	1/4	903.75	1/4	1,247.77	1/4	1,592.07	1/4	1,934.59	1/4	2,274.75	1/4	2,618.98	1/4	2,963.15	1/4	3,307.19
1/2	222.53	1/2	566.81	1/2	910.91	1/2	1,254.95	1/2	1,599.25	1/2	1,941.08	1/2	2,281.92	1/2	2,626.15	1/2	2,970.32	1/2	3,314.36
3/4	229.70	3/4	573.98	3/4	918.07	3/4	1,262.12	3/4	1,606.42	3/4	1,947.57	3/4	2,289.09	3/4	2,633.33	3/4	2,977.49	3/4	3,321.53
8	236.87	8	581.16	8	925.23	8	1,269.29	8	1,613.59	8	1,954.07	8	2,296.26	8	2,640.50	8	2,984.65	8	3,328.69
1/4	244.04	1/4	588.33	1/4	932.39	1/4	1,276.47	1/4	1,620.77	1/4	1,960.73	1/4	2,303.44	1/4	2,647.67	1/4	2,991.82	1/4	3,335.86
1/2	251.22	1/2	595.50	1/2	939.55	1/2	1,283.64	1/2	1,627.94	1/2	1,967.39	1/2	2,310.61	1/2	2,654.84	1/2	2,998.99	1/2	3,343.03
3/4	258.39	3/4	602.67	3/4	946.71	3/4	1,290.81	3/4	1,635.11	3/4	1,974.06	3/4	2,317.78	3/4	2,662.01	3/4	3,006.16	3/4	3,350.20
9	265.56	9	609.85	9	953.87	9	1,297.98	9	1,642.28	9	1,980.72	9	2,324.95	9	2,669.18	9	3,013.32	9	3,357.36
1/4	272.74	1/4	617.02	1/4	961.03	1/4	1,305.16	1/4	1,649.46	1/4	1,987.89	1/4	2,332.12	1/4	2,676.35	1/4	3,020.49	1/4	3,364.53
1/2	279.91	1/2	624.19	1/2	968.19	1/2	1,312.33	1/2	1,656.63	1/2	1,995.06	1/2	2,339.29	1/2	2,683.53	1/2	3,027.66	1/2	3,371.70
3/4	287.08	3/4	631.37	3/4	975.35	3/4	1,319.50	3/4	1,663.80	3/4	2,002.23	3/4	2,346.47	3/4	2,690.70	3/4	3,034.83	3/4	3,378.87
10	294.25	10	638.54	10	982.51	10	1,326.68	10	1,670.98	10	2,009.40	10	2,353.64	10	2,697.87	10	3,041.99	10	3,386.03
1/4	301.43	1/4	645.71	1/4	989.67	1/4	1,333.85	1/4	1,678.15	1/4	2,016.58	1/4	2,360.81	1/4	2,705.04	1/4	3,049.16	1/4	3,393.20
1/2	308.60	1/2	652.88	1/2	996.83	1/2	1,341.02	1/2	1,685.32	1/2	2,023.75	1/2	2,367.98	1/2	2,712.21	1/2	3,056.33	1/2	3,400.37
3/4	315.77	3/4	660.06	3/4	1,003.99	3/4	1,348.20	3/4	1,692.49	3/4	2,030.92	3/4	2,375.15	3/4	2,719.38	3/4	3,063.50	3/4	3,407.54
11	322.94	11	667.23	11	1,011.15	11	1,355.37	11	1,699.67	11	2,038.09	11	2,382.32	11	2,726.55	11	3,070.66	11	3,414.70
1/4	330.12	1/4	674.40	1/4	1,018.32	1/4	1,362.54	1/4	1,706.84	1/4	2,045.26	1/4	2,389.49	1/4	2,733.73	1/4	3,077.83	1/4	3,421.87
1/2	337.29	1/2	681.57	1/2	1,025.48	1/2	1,369.71	1/2	1,714.01	1/2	2,052.43	1/2	2,396.67	1/2	2,740.90	1/2	3,085.00	1/2	3,429.04
3/4	344.46	3/4	688.75	3/4	1,032.64	3/4	1,376.89	3/4	1,721.19	3/4	2,059.61	3/4	2,403.84	3/4	2,748.07	3/4	3,092.17	3/4	3,436.21

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP 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 INNAGE 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	3,443.37	0	3,787.41	0	4,128.99	0	4,453.15	0	4,765.16	0		0		0		0		0	
1/4	3,450.54	1/4	3,794.58	1/4	4,135.94	1/4	4,459.68	1/4	4,772.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,457.71	1/2	3,801.75	1/2	4,142.89	1/2	4,466.21	1/2	4,779.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,464.88	3/4	3,808.92	3/4	4,149.84	3/4	4,472.74	3/4	4,786.49	3/4		3/4		3/4		3/4		3/4	
1	3,472.04	1	3,816.08	1	4,156.79	1	4,479.27	1	4,793.60	1		1		1		1		1	
1/4	3,479.21	1/4	3,823.25	1/4	4,163.70	1/4	4,485.76	1/4	4,800.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,486.38	1/2	3,830.42	1/2	4,170.62	1/2	4,492.25	1/2	4,807.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,493.55	3/4	3,837.59	3/4	4,177.54	3/4	4,498.75	3/4	4,814.40	3/4		3/4		3/4		3/4		3/4	
2	3,500.71	2	3,844.75	2	4,184.46	2	4,505.24	2	4,821.33	2		2		2		2		2	
1/4	3,507.88	1/4	3,851.92	1/4	4,191.34	1/4	4,511.66	1/4	4,827.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,515.05	1/2	3,859.09	1/2	4,198.22	1/2	4,518.09	1/2	4,833.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,522.22	3/4	3,866.26	3/4	4,205.10	3/4	4,524.52	3/4	4,839.43	3/4		3/4		3/4		3/4		3/4	
3	3,529.38	3	3,873.42	3	4,211.98	3	4,530.95	3	4,845.47	3		3		3		3		3	
1/4	3,536.55	1/4	3,880.59	1/4	4,218.81	1/4	4,537.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,543.72	1/2	3,887.76	1/2	4,225.65	1/2	4,543.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,550.89	3/4	3,894.93	3/4	4,232.48	3/4	4,550.14	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,558.05	4	3,902.09	4	4,239.31	4	4,556.54	4		4		4		4		4		4	
1/4	3,565.22	1/4	3,909.26	1/4	4,246.10	1/4	4,562.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,572.39	1/2	3,916.43	1/2	4,252.90	1/2	4,569.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,579.56	3/4	3,923.60	3/4	4,259.69	3/4	4,575.64	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,586.72	5	3,930.76	5	4,266.48	5	4,582.00	5		5		5		5		5		5	
1/4	3,593.89	1/4	3,937.93	1/4	4,273.24	1/4	4,588.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,601.06	1/2	3,945.09	1/2	4,280.01	1/2	4,594.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,608.23	3/4	3,952.25	3/4	4,286.77	3/4	4,601.01	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,615.39	6	3,959.41	6	4,293.53	6	4,607.34	6		6		6		6		6		6	
1/4	3,622.56	1/4	3,966.56	1/4	4,300.26	1/4	4,613.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,629.73	1/2	3,973.71	1/2	4,306.99	1/2	4,619.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,636.90	3/4	3,980.86	3/4	4,313.72	3/4	4,626.24	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,644.06	7	3,988.00	7	4,320.45	7	4,632.54	7		7		7		7		7		7	
1/4	3,651.23	1/4	3,995.12	1/4	4,327.15	1/4	4,638.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,658.40	1/2	4,002.24	1/2	4,333.85	1/2	4,645.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,665.57	3/4	4,009.35	3/4	4,340.55	3/4	4,651.33	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,672.73	8	4,016.47	8	4,347.24	8	4,657.60	8		8		8		8		8		8	
1/4	3,679.90	1/4	4,023.55	1/4	4,353.91	1/4	4,663.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,687.07	1/2	4,030.64	1/2	4,360.58	1/2	4,670.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,694.24	3/4	4,037.72	3/4	4,367.24	3/4	4,676.30	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,701.40	9	4,044.81	9	4,373.91	9	4,682.54	9		9		9		9		9		9	
1/4	3,708.57	1/4	4,051.86	1/4	4,380.55	1/4	4,688.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,715.74	1/2	4,058.91	1/2	4,387.18	1/2	4,695.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,722.91	3/4	4,065.96	3/4	4,393.82	3/4	4,701.85	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,730.07	10	4,073.01	10	4,400.45	10	4,708.28	10		10		10		10		10		10	
1/4	3,737.24	1/4	4,080.02	1/4	4,407.06	1/4	4,715.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,744.41	1/2	4,087.03	1/2	4,413.66	1/2	4,722.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,751.58	3/4	4,094.05	3/4	4,420.26	3/4	4,729.61	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,758.74	11	4,101.06	11	4,426.87	11	4,736.72	11		11		11		11		11		11	
1/4	3,765.91	1/4	4,108.04	1/4	4,433.44	1/4	4,743.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,773.08	1/2	4,115.02	1/2	4,440.01	1/2	4,750.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,780.25	3/4	4,122.01	3/4	4,446.58	3/4	4,758.05	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2015

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



BARGE "CTCo 343"

3 PORT INNAGE 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	20.27	0	371.27	0	734.63	0	1,090.31	0	1,450.26	0	1,813.43	0	2,168.35	0	2,529.29	0	2,892.16	0	3,254.83
1/4	25.48	1/4	378.84	1/4	742.20	1/4	1,097.65	1/4	1,457.82	1/4	1,821.00	1/4	2,175.86	1/4	2,536.86	1/4	2,899.72	1/4	3,262.38
1/2	30.69	1/2	386.40	1/2	749.77	1/2	1,105.00	1/2	1,465.39	1/2	1,828.57	1/2	2,183.36	1/2	2,544.42	1/2	2,907.27	1/2	3,269.94
3/4	35.90	3/4	393.97	3/4	757.34	3/4	1,112.34	3/4	1,472.95	3/4	1,836.13	3/4	2,190.86	3/4	2,551.99	3/4	2,914.83	3/4	3,277.49
1	41.12	1	401.54	1	764.91	1	1,119.69	1	1,480.52	1	1,843.70	1	2,198.36	1	2,559.55	1	2,922.39	1	3,285.05
1/4	47.98	1/4	409.11	1/4	772.48	1/4	1,127.03	1/4	1,488.09	1/4	1,851.26	1/4	2,205.86	1/4	2,567.12	1/4	2,929.95	1/4	3,292.60
1/2	54.84	1/2	416.68	1/2	780.05	1/2	1,134.38	1/2	1,495.65	1/2	1,858.83	1/2	2,213.37	1/2	2,574.68	1/2	2,937.50	1/2	3,300.14
3/4	61.70	3/4	424.25	3/4	787.62	3/4	1,141.73	3/4	1,503.22	3/4	1,866.40	3/4	2,220.87	3/4	2,582.24	3/4	2,945.06	3/4	3,307.69
2	68.56	2	431.82	2	795.19	2	1,149.08	2	1,510.79	2	1,873.96	2	2,228.37	2	2,589.81	2	2,952.62	2	3,315.24
1/4	76.11	1/4	439.39	1/4	802.76	1/4	1,156.43	1/4	1,518.35	1/4	1,881.53	1/4	2,235.87	1/4	2,597.37	1/4	2,960.18	1/4	3,322.78
1/2	83.66	1/2	446.96	1/2	810.33	1/2	1,163.79	1/2	1,525.92	1/2	1,889.10	1/2	2,243.37	1/2	2,604.94	1/2	2,967.73	1/2	3,330.31
3/4	91.21	3/4	454.53	3/4	817.90	3/4	1,171.15	3/4	1,533.48	3/4	1,896.66	3/4	2,250.88	3/4	2,612.50	3/4	2,975.29	3/4	3,337.85
3	98.76	3	462.09	3	825.47	3	1,178.50	3	1,541.05	3	1,904.23	3	2,258.38	3	2,620.07	3	2,982.85	3	3,345.38
1/4	106.33	1/4	469.66	1/4	832.98	1/4	1,185.91	1/4	1,548.62	1/4	1,911.77	1/4	2,265.89	1/4	2,627.63	1/4	2,990.41	1/4	3,352.91
1/2	113.90	1/2	477.23	1/2	840.49	1/2	1,193.32	1/2	1,556.18	1/2	1,919.31	1/2	2,273.39	1/2	2,635.19	1/2	2,997.96	1/2	3,360.45
3/4	121.47	3/4	484.80	3/4	848.01	3/4	1,200.73	3/4	1,563.75	3/4	1,926.85	3/4	2,280.90	3/4	2,642.76	3/4	3,005.52	3/4	3,367.98
4	129.03	4	492.37	4	855.52	4	1,208.14	4	1,571.32	4	1,934.40	4	2,288.41	4	2,650.32	4	3,013.07	4	3,375.52
1/4	136.60	1/4	499.94	1/4	862.86	1/4	1,215.70	1/4	1,578.88	1/4	1,941.86	1/4	2,295.94	1/4	2,657.88	1/4	3,020.63	1/4	3,383.05
1/2	144.17	1/2	507.51	1/2	870.19	1/2	1,223.27	1/2	1,586.45	1/2	1,949.33	1/2	2,303.46	1/2	2,665.43	1/2	3,028.18	1/2	3,390.58
3/4	151.75	3/4	515.08	3/4	877.53	3/4	1,230.84	3/4	1,594.01	3/4	1,956.80	3/4	2,310.99	3/4	2,672.99	3/4	3,035.74	3/4	3,398.12
5	159.32	5	522.66	5	884.87	5	1,238.40	5	1,601.58	5	1,964.27	5	2,318.52	5	2,680.55	5	3,043.29	5	3,405.65
1/4	166.89	1/4	530.23	1/4	892.20	1/4	1,245.97	1/4	1,609.15	1/4	1,971.74	1/4	2,326.04	1/4	2,688.11	1/4	3,050.85	1/4	3,413.19
1/2	174.46	1/2	537.80	1/2	899.54	1/2	1,253.53	1/2	1,616.71	1/2	1,979.20	1/2	2,333.57	1/2	2,695.66	1/2	3,058.40	1/2	3,420.72
3/4	182.03	3/4	545.37	3/4	906.88	3/4	1,261.10	3/4	1,624.28	3/4	1,986.67	3/4	2,341.09	3/4	2,703.22	3/4	3,065.96	3/4	3,428.26
6	189.60	6	552.94	6	914.21	6	1,268.67	6	1,631.84	6	1,994.14	6	2,348.62	6	2,710.78	6	3,073.51	6	3,435.79
1/4	197.17	1/4	560.51	1/4	921.55	1/4	1,276.23	1/4	1,639.41	1/4	2,001.44	1/4	2,356.15	1/4	2,718.34	1/4	3,081.07	1/4	3,443.32
1/2	204.74	1/2	568.08	1/2	928.89	1/2	1,283.80	1/2	1,646.98	1/2	2,008.74	1/2	2,363.67	1/2	2,725.89	1/2	3,088.62	1/2	3,450.86
3/4	212.31	3/4	575.65	3/4	936.23	3/4	1,291.37	3/4	1,654.54	3/4	2,016.03	3/4	2,371.20	3/4	2,733.45	3/4	3,096.18	3/4	3,458.39
7	219.88	7	583.22	7	943.56	7	1,298.93	7	1,662.11	7	2,023.33	7	2,378.73	7	2,741.01	7	3,103.73	7	3,465.93
1/4	227.45	1/4	590.79	1/4	950.90	1/4	1,306.50	1/4	1,669.68	1/4	2,030.12	1/4	2,386.25	1/4	2,748.57	1/4	3,111.29	1/4	3,473.46
1/2	235.02	1/2	598.36	1/2	958.24	1/2	1,314.06	1/2	1,677.24	1/2	2,036.90	1/2	2,393.78	1/2	2,756.12	1/2	3,118.84	1/2	3,480.99
3/4	242.59	3/4	605.93	3/4	965.57	3/4	1,321.63	3/4	1,684.81	3/4	2,043.69	3/4	2,401.30	3/4	2,763.68	3/4	3,126.40	3/4	3,488.53
8	250.16	8	613.50	8	972.91	8	1,329.20	8	1,692.37	8	2,050.47	8	2,408.83	8	2,771.24	8	3,133.95	8	3,496.06
1/4	257.73	1/4	621.07	1/4	980.25	1/4	1,336.76	1/4	1,699.94	1/4	2,057.44	1/4	2,416.36	1/4	2,778.80	1/4	3,141.51	1/4	3,503.60
1/2	265.30	1/2	628.64	1/2	987.58	1/2	1,344.33	1/2	1,707.51	1/2	2,064.40	1/2	2,423.88	1/2	2,786.35	1/2	3,149.06	1/2	3,511.13
3/4	272.87	3/4	636.21	3/4	994.92	3/4	1,351.90	3/4	1,715.07	3/4	2,071.36	3/4	2,431.41	3/4	2,793.91	3/4	3,156.61	3/4	3,518.66
9	280.44	9	643.78	9	1,002.26	9	1,359.46	9	1,722.64	9	2,078.33	9	2,438.94	9	2,801.47	9	3,164.17	9	3,526.20
1/4	288.01	1/4	651.35	1/4	1,009.60	1/4	1,367.03	1/4	1,730.21	1/4	2,085.83	1/4	2,446.46	1/4	2,809.03	1/4	3,171.72	1/4	3,533.74
1/2	295.58	1/2	658.92	1/2	1,016.93	1/2	1,374.59	1/2	1,737.77	1/2	2,093.33	1/2	2,453.99	1/2	2,816.58	1/2	3,179.28	1/2	3,541.27
3/4	303.15	3/4	666.49	3/4	1,024.27	3/4	1,382.16	3/4	1,745.34	3/4	2,100.84	3/4	2,461.51	3/4	2,824.14	3/4	3,186.83	3/4	3,548.81
10	310.71	10	674.06	10	1,031.61	10	1,389.73	10	1,752.90	10	2,108.34	10	2,469.04	10	2,831.70	10	3,194.39	10	3,556.35
1/4	318.28	1/4	681.63	1/4	1,038.94	1/4	1,397.29	1/4	1,760.47	1/4	2,115.84	1/4	2,476.57	1/4	2,839.26	1/4	3,201.94	1/4	3,563.89
1/2	325.85	1/2	689.20	1/2	1,046.28	1/2	1,404.86	1/2	1,768.04	1/2	2,123.34	1/2	2,484.09	1/2	2,846.81	1/2	3,209.50	1/2	3,571.44
3/4	333.42	3/4	696.77	3/4	1,053.62	3/4	1,412.43	3/4	1,775.60	3/4	2,130.84	3/4	2,491.62	3/4	2,854.37	3/4	3,217.05	3/4	3,578.98
11	340.99	11	704.34	11	1,060.95	11	1,419.99	11	1,783.17	11	2,138.35	11	2,499.15	11	2,861.93	11	3,224.61	11	3,586.53
1/4	348.56	1/4	711.92	1/4	1,068.29	1/4	1,427.56	1/4	1,790.74	1/4	2,145.85	1/4	2,506.68	1/4	2,869.49	1/4	3,232.16	1/4	3,593.64
1/2	356.13	1/2	719.49	1/2	1,075.63	1/2	1,435.12	1/2	1,798.30	1/2	2,153.35	1/2	2,514.22	1/2	2,877.04	1/2	3,239.72	1/2	3,600.76
3/4	363.70	3/4	727.06	3/4	1,082.97	3/4	1,442.69	3/4	1,805.87	3/4	2,160.85	3/4	2,521.76	3/4	2,884.60	3/4	3,247.27	3/4	3,607.87

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP 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 INNAGE 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	3,614.99	0	3,815.37	0	4,009.10	0	4,192.87	0	4,369.53	0		0		0		0		0	
1/4	3,620.37	1/4	3,819.44	1/4	4,013.04	1/4	4,196.57	1/4	4,373.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,625.75	1/2	3,823.50	1/2	4,016.98	1/2	4,200.27	1/2	4,377.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,631.13	3/4	3,827.57	3/4	4,020.92	3/4	4,203.97	3/4	4,381.61	3/4		3/4		3/4		3/4		3/4	
1	3,636.51	1	3,831.63	1	4,024.87	1	4,207.68	1	4,385.64	1		1		1		1		1	
1/4	3,640.58	1/4	3,835.70	1/4	4,028.79	1/4	4,211.35	1/4	4,389.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,644.64	1/2	3,839.76	1/2	4,032.71	1/2	4,215.03	1/2	4,393.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,648.71	3/4	3,843.83	3/4	4,036.64	3/4	4,218.71	3/4	4,397.15	3/4		3/4		3/4		3/4		3/4	
2	3,652.77	2	3,847.89	2	4,040.56	2	4,222.39	2	4,400.99	2		2		2		2		2	
1/4	3,656.84	1/4	3,851.96	1/4	4,044.46	1/4	4,226.03	1/4	4,403.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,660.90	1/2	3,856.02	1/2	4,048.36	1/2	4,229.67	1/2	4,406.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,664.97	3/4	3,860.09	3/4	4,052.27	3/4	4,233.30	3/4	4,409.66	3/4		3/4		3/4		3/4		3/4	
3	3,669.03	3	3,864.15	3	4,056.17	3	4,236.94	3	4,412.55	3		3		3		3		3	
1/4	3,673.10	1/4	3,868.22	1/4	4,060.04	1/4	4,240.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,677.16	1/2	3,872.28	1/2	4,063.91	1/2	4,244.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,681.23	3/4	3,876.35	3/4	4,067.78	3/4	4,247.81	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,685.29	4	3,880.41	4	4,071.66	4	4,251.43	4		4		4		4		4		4	
1/4	3,689.36	1/4	3,884.48	1/4	4,075.51	1/4	4,255.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,693.42	1/2	3,888.54	1/2	4,079.36	1/2	4,258.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,697.49	3/4	3,892.61	3/4	4,083.21	3/4	4,262.24	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,701.55	5	3,896.67	5	4,087.06	5	4,265.84	5		5		5		5		5		5	
1/4	3,705.62	1/4	3,900.73	1/4	4,090.89	1/4	4,269.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,709.68	1/2	3,904.80	1/2	4,094.73	1/2	4,273.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,713.75	3/4	3,908.86	3/4	4,098.56	3/4	4,276.60	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,717.81	6	3,912.92	6	4,102.39	6	4,280.19	6		6		6		6		6		6	
1/4	3,721.88	1/4	3,916.98	1/4	4,106.21	1/4	4,283.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,725.94	1/2	3,921.03	1/2	4,110.02	1/2	4,287.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,730.01	3/4	3,925.09	3/4	4,113.84	3/4	4,290.88	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,734.07	7	3,929.14	7	4,117.65	7	4,294.45	7		7		7		7		7		7	
1/4	3,738.14	1/4	3,933.18	1/4	4,121.45	1/4	4,298.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,742.20	1/2	3,937.21	1/2	4,125.24	1/2	4,301.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,746.27	3/4	3,941.25	3/4	4,129.04	3/4	4,305.09	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,750.33	8	3,945.28	8	4,132.84	8	4,308.63	8		8		8		8		8		8	
1/4	3,754.40	1/4	3,949.30	1/4	4,136.62	1/4	4,312.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,758.46	1/2	3,953.32	1/2	4,140.40	1/2	4,315.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,762.53	3/4	3,957.34	3/4	4,144.18	3/4	4,319.22	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,766.59	9	3,961.36	9	4,147.95	9	4,322.75	9		9		9		9		9		9	
1/4	3,770.66	1/4	3,965.35	1/4	4,151.71	1/4	4,326.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,774.72	1/2	3,969.35	1/2	4,155.48	1/2	4,330.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,778.79	3/4	3,973.35	3/4	4,159.24	3/4	4,333.68	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,782.85	10	3,977.35	10	4,163.00	10	4,337.33	10		10		10		10		10		10	
1/4	3,786.92	1/4	3,981.33	1/4	4,166.74	1/4	4,341.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,790.98	1/2	3,985.31	1/2	4,170.48	1/2	4,345.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,795.05	3/4	3,989.28	3/4	4,174.23	3/4	4,349.40	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,799.11	11	3,993.26	11	4,177.97	11	4,353.43	11		11		11		11		11		11	
1/4	3,803.18	1/4	3,997.22	1/4	4,181.69	1/4	4,357.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,807.24	1/2	4,001.18	1/2	4,185.42	1/2	4,361.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,811.31	3/4	4,005.14	3/4	4,189.14	3/4	4,365.51	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
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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"

3 STBD INNAGE 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	20.27	0	371.73	0	735.72	0	1,099.22	0	1,463.16	0	1,827.16	0	2,184.96	0	2,548.89	0	2,912.58	0	3,276.07
1/4	25.48	1/4	379.32	1/4	743.31	1/4	1,106.80	1/4	1,470.75	1/4	1,834.74	1/4	2,192.55	1/4	2,556.48	1/4	2,920.16	1/4	3,283.65
1/2	30.70	1/2	386.90	1/2	750.89	1/2	1,114.37	1/2	1,478.33	1/2	1,842.33	1/2	2,200.13	1/2	2,564.06	1/2	2,927.73	1/2	3,291.22
3/4	35.91	3/4	394.48	3/4	758.47	3/4	1,121.95	3/4	1,485.91	3/4	1,849.91	3/4	2,207.71	3/4	2,571.64	3/4	2,935.31	3/4	3,298.79
1	41.12	1	402.07	1	766.06	1	1,129.52	1	1,493.50	1	1,857.49	1	2,215.29	1	2,579.22	1	2,942.88	1	3,306.36
1/4	47.98	1/4	409.65	1/4	773.64	1/4	1,137.10	1/4	1,501.08	1/4	1,865.08	1/4	2,222.87	1/4	2,586.80	1/4	2,950.45	1/4	3,313.93
1/2	54.85	1/2	417.23	1/2	781.22	1/2	1,144.68	1/2	1,508.66	1/2	1,872.66	1/2	2,230.46	1/2	2,594.39	1/2	2,958.03	1/2	3,321.50
3/4	61.71	3/4	424.82	3/4	788.80	3/4	1,152.25	3/4	1,516.25	3/4	1,880.24	3/4	2,238.04	3/4	2,601.97	3/4	2,965.60	3/4	3,329.06
2	68.57	2	432.40	2	796.39	2	1,159.83	2	1,523.83	2	1,887.83	2	2,245.62	2	2,609.55	2	2,973.18	2	3,336.63
1/4	76.12	1/4	439.98	1/4	803.97	1/4	1,167.41	1/4	1,531.41	1/4	1,895.41	1/4	2,253.20	1/4	2,617.13	1/4	2,980.75	1/4	3,344.18
1/2	83.68	1/2	447.57	1/2	811.55	1/2	1,175.00	1/2	1,539.00	1/2	1,902.99	1/2	2,260.78	1/2	2,624.71	1/2	2,988.33	1/2	3,351.73
3/4	91.23	3/4	455.15	3/4	819.14	3/4	1,182.58	3/4	1,546.58	3/4	1,910.58	3/4	2,268.36	3/4	2,632.30	3/4	2,995.90	3/4	3,359.28
3	98.78	3	462.73	3	826.72	3	1,190.16	3	1,554.16	3	1,918.16	3	2,275.95	3	2,639.88	3	3,003.48	3	3,366.83
1/4	106.36	1/4	470.31	1/4	834.30	1/4	1,197.75	1/4	1,561.75	1/4	1,925.74	1/4	2,283.53	1/4	2,647.46	1/4	3,011.05	1/4	3,374.39
1/2	113.93	1/2	477.90	1/2	841.88	1/2	1,205.33	1/2	1,569.33	1/2	1,933.31	1/2	2,291.11	1/2	2,655.04	1/2	3,018.62	1/2	3,381.94
3/4	121.50	3/4	485.48	3/4	849.46	3/4	1,212.91	3/4	1,576.91	3/4	1,940.88	3/4	2,298.69	3/4	2,662.61	3/4	3,026.20	3/4	3,389.49
4	129.08	4	493.06	4	857.04	4	1,220.50	4	1,584.50	4	1,948.46	4	2,306.27	4	2,670.19	4	3,033.77	4	3,397.04
1/4	136.66	1/4	500.65	1/4	864.60	1/4	1,228.08	1/4	1,592.08	1/4	1,956.01	1/4	2,313.86	1/4	2,677.77	1/4	3,041.35	1/4	3,404.59
1/2	144.24	1/2	508.23	1/2	872.17	1/2	1,235.66	1/2	1,599.66	1/2	1,963.55	1/2	2,321.44	1/2	2,685.34	1/2	3,048.92	1/2	3,412.14
3/4	151.83	3/4	515.81	3/4	879.74	3/4	1,243.25	3/4	1,607.25	3/4	1,971.10	3/4	2,329.02	3/4	2,692.92	3/4	3,056.49	3/4	3,419.69
5	159.41	5	523.40	5	887.31	5	1,250.83	5	1,614.83	5	1,978.65	5	2,336.60	5	2,700.49	5	3,064.06	5	3,427.24
1/4	166.99	1/4	530.98	1/4	894.88	1/4	1,258.41	1/4	1,622.41	1/4	1,986.20	1/4	2,344.18	1/4	2,708.07	1/4	3,071.63	1/4	3,434.80
1/2	174.57	1/2	538.56	1/2	902.44	1/2	1,266.00	1/2	1,630.00	1/2	1,993.75	1/2	2,351.77	1/2	2,715.64	1/2	3,079.20	1/2	3,442.35
3/4	182.16	3/4	546.15	3/4	910.01	3/4	1,273.58	3/4	1,637.58	3/4	2,001.29	3/4	2,359.35	3/4	2,723.22	3/4	3,086.78	3/4	3,449.90
6	189.74	6	553.73	6	917.58	6	1,281.16	6	1,645.16	6	2,008.84	6	2,366.93	6	2,730.79	6	3,094.35	6	3,457.45
1/4	197.32	1/4	561.31	1/4	925.15	1/4	1,288.75	1/4	1,652.75	1/4	2,016.22	1/4	2,374.51	1/4	2,738.37	1/4	3,101.92	1/4	3,465.00
1/2	204.91	1/2	568.90	1/2	932.72	1/2	1,296.33	1/2	1,660.33	1/2	2,023.59	1/2	2,382.09	1/2	2,745.94	1/2	3,109.49	1/2	3,472.55
3/4	212.49	3/4	576.48	3/4	940.28	3/4	1,303.91	3/4	1,667.91	3/4	2,030.97	3/4	2,389.67	3/4	2,753.51	3/4	3,117.06	3/4	3,480.10
7	220.07	7	584.06	7	947.85	7	1,311.50	7	1,675.50	7	2,038.35	7	2,397.26	7	2,761.09	7	3,124.64	7	3,487.65
1/4	227.66	1/4	591.64	1/4	955.42	1/4	1,319.08	1/4	1,683.08	1/4	2,045.21	1/4	2,404.84	1/4	2,768.66	1/4	3,132.21	1/4	3,495.20
1/2	235.24	1/2	599.23	1/2	962.99	1/2	1,326.66	1/2	1,690.66	1/2	2,052.08	1/2	2,412.42	1/2	2,776.24	1/2	3,139.78	1/2	3,502.76
3/4	242.82	3/4	606.81	3/4	970.56	3/4	1,334.25	3/4	1,698.25	3/4	2,058.94	3/4	2,420.00	3/4	2,783.81	3/4	3,147.35	3/4	3,510.31
8	250.40	8	614.39	8	978.12	8	1,341.83	8	1,705.83	8	2,065.81	8	2,427.58	8	2,791.39	8	3,154.92	8	3,517.86
1/4	257.99	1/4	621.98	1/4	985.69	1/4	1,349.41	1/4	1,713.41	1/4	2,072.85	1/4	2,435.17	1/4	2,798.96	1/4	3,162.50	1/4	3,525.41
1/2	265.57	1/2	629.56	1/2	993.26	1/2	1,357.00	1/2	1,721.00	1/2	2,079.89	1/2	2,442.75	1/2	2,806.54	1/2	3,170.07	1/2	3,532.96
3/4	273.15	3/4	637.14	3/4	1,000.83	3/4	1,364.58	3/4	1,728.58	3/4	2,086.94	3/4	2,450.33	3/4	2,814.11	3/4	3,177.64	3/4	3,540.51
9	280.74	9	644.73	9	1,008.40	9	1,372.16	9	1,736.16	9	2,093.98	9	2,457.91	9	2,821.69	9	3,185.21	9	3,548.06
1/4	288.32	1/4	652.31	1/4	1,015.96	1/4	1,379.75	1/4	1,743.74	1/4	2,101.56	1/4	2,465.49	1/4	2,829.26	1/4	3,192.78	1/4	3,555.61
1/2	295.90	1/2	659.89	1/2	1,023.53	1/2	1,387.33	1/2	1,751.33	1/2	2,109.14	1/2	2,473.08	1/2	2,836.84	1/2	3,200.36	1/2	3,563.17
3/4	303.49	3/4	667.48	3/4	1,031.10	3/4	1,394.91	3/4	1,758.91	3/4	2,116.73	3/4	2,480.66	3/4	2,844.41	3/4	3,207.93	3/4	3,570.72
10	311.07	10	675.06	10	1,038.67	10	1,402.50	10	1,766.49	10	2,124.31	10	2,488.24	10	2,851.98	10	3,215.50	10	3,578.27
1/4	318.65	1/4	682.64	1/4	1,046.24	1/4	1,410.08	1/4	1,774.08	1/4	2,131.89	1/4	2,495.82	1/4	2,859.56	1/4	3,223.07	1/4	3,585.82
1/2	326.24	1/2	690.22	1/2	1,053.80	1/2	1,417.66	1/2	1,781.66	1/2	2,139.47	1/2	2,503.40	1/2	2,867.13	1/2	3,230.64	1/2	3,593.37
3/4	333.82	3/4	697.81	3/4	1,061.37	3/4	1,425.25	3/4	1,789.24	3/4	2,147.05	3/4	2,510.99	3/4	2,874.71	3/4	3,238.21	3/4	3,600.92
11	341.40	11	705.39	11	1,068.94	11	1,432.83	11	1,796.83	11	2,154.64	11	2,518.57	11	2,882.28	11	3,245.79	11	3,608.47
1/4	348.99	1/4	712.97	1/4	1,076.51	1/4	1,440.41	1/4	1,804.41	1/4	2,162.22	1/4	2,526.15	1/4	2,889.86	1/4	3,253.36	1/4	3,615.59
1/2	356.57	1/2	720.56	1/2	1,084.08	1/2	1,448.00	1/2	1,811.99	1/2	2,169.80	1/2	2,533.73	1/2	2,897.43	1/2	3,260.93	1/2	3,622.71
3/4	364.15	3/4	728.14	3/4	1,091.65	3/4	1,455.58	3/4	1,819.58	3/4	2,177.38	3/4	2,541.31	3/4	2,905.01	3/4	3,268.50	3/4	3,629.83

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE 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.

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Pearland, Texas 77588

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BARGE "CTCo 343"

3 STBD INNAGE 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	3,636.95	0	3,837.20	0	4,030.79	0	4,214.41	0	4,390.92	0		0		0		0		0	
1/4	3,642.33	1/4	3,841.26	1/4	4,034.73	1/4	4,218.11	1/4	4,394.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,647.71	1/2	3,845.32	1/2	4,038.67	1/2	4,221.81	1/2	4,398.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,653.09	3/4	3,849.39	3/4	4,042.61	3/4	4,225.51	3/4	4,402.99	3/4		3/4		3/4		3/4		3/4	
1	3,658.47	1	3,853.45	1	4,046.55	1	4,229.21	1	4,407.02	1		1		1		1		1	
1/4	3,662.53	1/4	3,857.51	1/4	4,050.47	1/4	4,232.88	1/4	4,410.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,666.59	1/2	3,861.57	1/2	4,054.39	1/2	4,236.56	1/2	4,414.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,670.65	3/4	3,865.63	3/4	4,058.31	3/4	4,240.23	3/4	4,418.52	3/4		3/4		3/4		3/4		3/4	
2	3,674.71	2	3,869.70	2	4,062.23	2	4,243.91	2	4,422.35	2		2		2		2		2	
1/4	3,678.78	1/4	3,873.76	1/4	4,066.13	1/4	4,247.54	1/4	4,425.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,682.84	1/2	3,877.82	1/2	4,070.03	1/2	4,251.18	1/2	4,428.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,686.90	3/4	3,881.88	3/4	4,073.93	3/4	4,254.81	3/4	4,431.01	3/4		3/4		3/4		3/4		3/4	
3	3,690.96	3	3,885.94	3	4,077.82	3	4,258.45	3	4,433.89	3		3		3		3		3	
1/4	3,695.03	1/4	3,890.01	1/4	4,081.69	1/4	4,262.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,699.09	1/2	3,894.07	1/2	4,085.56	1/2	4,265.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,703.15	3/4	3,898.13	3/4	4,089.43	3/4	4,269.30	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,707.21	4	3,902.19	4	4,093.30	4	4,272.92	4		4		4		4		4		4	
1/4	3,711.27	1/4	3,906.25	1/4	4,097.15	1/4	4,276.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,715.34	1/2	3,910.32	1/2	4,101.00	1/2	4,280.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,719.40	3/4	3,914.38	3/4	4,104.84	3/4	4,283.72	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,723.46	5	3,918.44	5	4,108.69	5	4,287.32	5		5		5		5		5		5	
1/4	3,727.52	1/4	3,922.50	1/4	4,112.52	1/4	4,290.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,731.58	1/2	3,926.56	1/2	4,116.35	1/2	4,294.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,735.65	3/4	3,930.63	3/4	4,120.18	3/4	4,298.07	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,739.71	6	3,934.69	6	4,124.01	6	4,301.65	6		6		6		6		6		6	
1/4	3,743.77	1/4	3,938.74	1/4	4,127.82	1/4	4,305.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,747.83	1/2	3,942.79	1/2	4,131.63	1/2	4,308.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,751.89	3/4	3,946.84	3/4	4,135.45	3/4	4,312.34	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,755.96	7	3,950.89	7	4,139.26	7	4,315.90	7		7		7		7		7		7	
1/4	3,760.02	1/4	3,954.92	1/4	4,143.05	1/4	4,319.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,764.08	1/2	3,958.96	1/2	4,146.85	1/2	4,322.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,768.14	3/4	3,962.99	3/4	4,150.64	3/4	4,326.53	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,772.21	8	3,967.02	8	4,154.43	8	4,330.07	8		8		8		8		8		8	
1/4	3,776.27	1/4	3,971.04	1/4	4,158.21	1/4	4,333.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,780.33	1/2	3,975.05	1/2	4,161.98	1/2	4,337.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,784.39	3/4	3,979.07	3/4	4,165.76	3/4	4,340.65	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,788.45	9	3,983.08	9	4,169.54	9	4,344.18	9		9		9		9		9		9	
1/4	3,792.52	1/4	3,987.08	1/4	4,173.29	1/4	4,347.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,796.58	1/2	3,991.08	1/2	4,177.05	1/2	4,351.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,800.64	3/4	3,995.07	3/4	4,180.81	3/4	4,355.10	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,804.70	10	3,999.07	10	4,184.57	10	4,358.74	10		10		10		10		10		10	
1/4	3,808.76	1/4	4,003.04	1/4	4,188.31	1/4	4,362.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,812.83	1/2	4,007.02	1/2	4,192.05	1/2	4,366.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,816.89	3/4	4,010.99	3/4	4,195.79	3/4	4,370.81	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,820.95	11	4,014.97	11	4,199.53	11	4,374.83	11		11		11		11		11		11	
1/4	3,825.01	1/4	4,018.92	1/4	4,203.25	1/4	4,378.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,829.07	1/2	4,022.88	1/2	4,206.97	1/2	4,382.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,833.14	3/4	4,026.84	3/4	4,210.69	3/4	4,386.90	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

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