



BARGE "CTCo 356"

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	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
1 STBD	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
2 PORT	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8
2 STBD	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8
3 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
3 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2

(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 1 PORT IS 00-1/2"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/2"

LENGTH BETWEEN DRAFT MARKS: 237'-06"

May 9, 2014

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 356"

1 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-9 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	14.20	0	260.43	0	542.28	0	848.08	0	1,175.42	0	1,506.70	0	1,837.98	0	2,169.25	0	2,500.53	0	2,831.81
1/4	16.81	1/4	266.11	1/4	548.40	1/4	854.72	1/4	1,182.32	1/4	1,513.60	1/4	1,844.88	1/4	2,176.15	1/4	2,507.43	1/4	2,838.71
1/2	19.42	1/2	271.78	1/2	554.52	1/2	861.36	1/2	1,189.23	1/2	1,520.50	1/2	1,851.78	1/2	2,183.06	1/2	2,514.33	1/2	2,845.61
3/4	22.03	3/4	277.46	3/4	560.64	3/4	868.00	3/4	1,196.13	3/4	1,527.40	3/4	1,858.68	3/4	2,189.96	3/4	2,521.23	3/4	2,852.51
1	24.64	1	283.14	1	566.76	1	874.64	1	1,203.03	1	1,534.31	1	1,865.58	1	2,196.86	1	2,528.14	1	2,859.41
1/4	29.01	1/4	288.86	1/4	572.92	1/4	881.32	1/4	1,209.93	1/4	1,541.21	1/4	1,872.48	1/4	2,203.76	1/4	2,535.04	1/4	2,866.31
1/2	33.39	1/2	294.58	1/2	579.08	1/2	888.00	1/2	1,216.83	1/2	1,548.11	1/2	1,879.39	1/2	2,210.66	1/2	2,541.94	1/2	2,873.22
3/4	37.76	3/4	300.29	3/4	585.24	3/4	894.68	3/4	1,223.73	3/4	1,555.01	3/4	1,886.29	3/4	2,217.56	3/4	2,548.84	3/4	2,880.12
2	42.14	2	306.01	2	591.40	2	901.36	2	1,230.64	2	1,561.91	2	1,893.19	2	2,224.47	2	2,555.74	2	2,887.02
1/4	47.41	1/4	311.77	1/4	597.61	1/4	908.09	1/4	1,237.54	1/4	1,568.81	1/4	1,900.09	1/4	2,231.37	1/4	2,562.64	1/4	2,893.92
1/2	52.69	1/2	317.53	1/2	603.81	1/2	914.81	1/2	1,244.44	1/2	1,575.72	1/2	1,906.99	1/2	2,238.27	1/2	2,569.55	1/2	2,900.82
3/4	57.97	3/4	323.29	3/4	610.02	3/4	921.53	3/4	1,251.34	3/4	1,582.62	3/4	1,913.89	3/4	2,245.17	3/4	2,576.45	3/4	2,907.72
3	63.24	3	329.04	3	616.23	3	928.25	3	1,258.24	3	1,589.52	3	1,920.80	3	2,252.07	3	2,583.35	3	2,914.63
1/4	68.56	1/4	334.82	1/4	622.51	1/4	935.01	1/4	1,265.14	1/4	1,596.42	1/4	1,927.70	1/4	2,258.97	1/4	2,590.25	1/4	2,921.53
1/2	73.88	1/2	340.59	1/2	628.79	1/2	941.77	1/2	1,272.04	1/2	1,603.32	1/2	1,934.60	1/2	2,265.88	1/2	2,597.15	1/2	2,928.43
3/4	79.19	3/4	346.37	3/4	635.07	3/4	948.53	3/4	1,278.95	3/4	1,610.22	3/4	1,941.50	3/4	2,272.78	3/4	2,604.05	3/4	2,935.33
4	84.51	4	352.14	4	641.35	4	955.29	4	1,285.85	4	1,617.12	4	1,948.40	4	2,279.68	4	2,610.96	4	2,942.23
1/4	89.87	1/4	357.96	1/4	647.67	1/4	962.09	1/4	1,292.75	1/4	1,624.03	1/4	1,955.30	1/4	2,286.58	1/4	2,617.86	1/4	2,949.13
1/2	95.23	1/2	363.77	1/2	653.99	1/2	968.90	1/2	1,299.65	1/2	1,630.93	1/2	1,962.20	1/2	2,293.48	1/2	2,624.76	1/2	2,956.04
3/4	100.58	3/4	369.58	3/4	660.31	3/4	975.70	3/4	1,306.55	3/4	1,637.83	3/4	1,969.11	3/4	2,300.38	3/4	2,631.66	3/4	2,962.94
5	105.94	5	375.40	5	666.63	5	982.50	5	1,313.45	5	1,644.73	5	1,976.01	5	2,307.28	5	2,638.56	5	2,969.84
1/4	111.34	1/4	381.24	1/4	672.99	1/4	989.34	1/4	1,320.36	1/4	1,651.63	1/4	1,982.91	1/4	2,314.19	1/4	2,645.46	1/4	2,976.74
1/2	116.73	1/2	387.09	1/2	679.35	1/2	996.18	1/2	1,327.26	1/2	1,658.53	1/2	1,989.81	1/2	2,321.09	1/2	2,652.36	1/2	2,983.64
3/4	122.13	3/4	392.94	3/4	685.71	3/4	1,003.02	3/4	1,334.16	3/4	1,665.44	3/4	1,996.71	3/4	2,327.99	3/4	2,659.27	3/4	2,990.54
6	127.53	6	398.78	6	692.07	6	1,009.86	6	1,341.06	6	1,672.34	6	2,003.61	6	2,334.89	6	2,666.17	6	2,997.44
1/4	132.96	1/4	404.66	1/4	698.47	1/4	1,016.75	1/4	1,347.96	1/4	1,679.24	1/4	2,010.52	1/4	2,341.79	1/4	2,673.07	1/4	3,004.35
1/2	138.40	1/2	410.54	1/2	704.87	1/2	1,023.63	1/2	1,354.86	1/2	1,686.14	1/2	2,017.42	1/2	2,348.69	1/2	2,679.97	1/2	3,011.25
3/4	143.84	3/4	416.42	3/4	711.27	3/4	1,030.51	3/4	1,361.77	3/4	1,693.04	3/4	2,024.32	3/4	2,355.60	3/4	2,686.87	3/4	3,018.15
7	149.28	7	422.30	7	717.67	7	1,037.39	7	1,368.67	7	1,699.94	7	2,031.22	7	2,362.50	7	2,693.77	7	3,025.05
1/4	154.75	1/4	428.22	1/4	724.11	1/4	1,044.29	1/4	1,375.57	1/4	1,706.85	1/4	2,038.12	1/4	2,369.40	1/4	2,700.68	1/4	3,031.95
1/2	160.23	1/2	434.14	1/2	730.55	1/2	1,051.19	1/2	1,382.47	1/2	1,713.75	1/2	2,045.02	1/2	2,376.30	1/2	2,707.58	1/2	3,038.85
3/4	165.71	3/4	440.06	3/4	736.99	3/4	1,058.10	3/4	1,389.37	3/4	1,720.65	3/4	2,051.93	3/4	2,383.20	3/4	2,714.48	3/4	3,045.76
8	171.19	8	445.98	8	743.43	8	1,065.00	8	1,396.27	8	1,727.55	8	2,058.83	8	2,390.10	8	2,721.38	8	3,052.66
1/4	176.70	1/4	451.93	1/4	749.91	1/4	1,071.90	1/4	1,403.18	1/4	1,734.45	1/4	2,065.73	1/4	2,397.01	1/4	2,728.28	1/4	3,059.56
1/2	182.22	1/2	457.89	1/2	756.39	1/2	1,078.80	1/2	1,410.08	1/2	1,741.35	1/2	2,072.63	1/2	2,403.91	1/2	2,735.18	1/2	3,066.46
3/4	187.74	3/4	463.85	3/4	762.87	3/4	1,085.70	3/4	1,416.98	3/4	1,748.26	3/4	2,079.53	3/4	2,410.81	3/4	2,742.09	3/4	3,073.36
9	193.26	9	469.81	9	769.35	9	1,092.60	9	1,423.88	9	1,755.16	9	2,086.43	9	2,417.71	9	2,748.99	9	3,080.26
1/4	198.81	1/4	475.81	1/4	775.87	1/4	1,099.50	1/4	1,430.78	1/4	1,762.06	1/4	2,093.34	1/4	2,424.61	1/4	2,755.89	1/4	3,087.17
1/2	204.37	1/2	481.81	1/2	782.39	1/2	1,106.41	1/2	1,437.68	1/2	1,768.96	1/2	2,100.24	1/2	2,431.51	1/2	2,762.79	1/2	3,094.07
3/4	209.93	3/4	487.80	3/4	788.91	3/4	1,113.31	3/4	1,444.58	3/4	1,775.86	3/4	2,107.14	3/4	2,438.42	3/4	2,769.69	3/4	3,100.97
10	215.49	10	493.80	10	795.43	10	1,120.21	10	1,451.49	10	1,782.76	10	2,114.04	10	2,445.32	10	2,776.59	10	3,107.87
1/4	221.08	1/4	499.84	1/4	801.99	1/4	1,127.11	1/4	1,458.39	1/4	1,789.66	1/4	2,120.94	1/4	2,452.22	1/4	2,783.50	1/4	3,114.75
1/2	226.68	1/2	505.88	1/2	808.55	1/2	1,134.01	1/2	1,465.29	1/2	1,796.57	1/2	2,127.84	1/2	2,459.12	1/2	2,790.40	1/2	3,121.64
3/4	232.28	3/4	511.92	3/4	815.11	3/4	1,140.91	3/4	1,472.19	3/4	1,803.47	3/4	2,134.74	3/4	2,466.02	3/4	2,797.30	3/4	3,128.52
11	237.88	11	517.96	11	821.67	11	1,147.82	11	1,479.09	11	1,810.37	11	2,141.65	11	2,472.92	11	2,804.20	11	3,135.41
1/4	243.51	1/4	524.04	1/4	828.28	1/4	1,154.72	1/4	1,485.99	1/4	1,817.27	1/4	2,148.55	1/4	2,479.82	1/4	2,811.10	1/4	3,142.26
1/2	249.15	1/2	530.12	1/2	834.88	1/2	1,161.62	1/2	1,492.90	1/2	1,824.17	1/2	2,155.45	1/2	2,486.73	1/2	2,818.00	1/2	3,149.11
3/4	254.79	3/4	536.20	3/4	841.48	3/4	1,168.52	3/4	1,499.80	3/4	1,831.07	3/4	2,162.35	3/4	2,493.63	3/4	2,824.90	3/4	3,155.97

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

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

Pearland, Texas 77588
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BARGE "CTCo 356"

1 PORT INNAGE TABLE HERMETIC

GAUGE HEIGHT 14'-9 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,162.82	0	3,480.68	0	3,777.86	0	4,051.93	0		0		0		0		0		0	
1/4	3,169.63	1/4	3,487.06	1/4	3,783.79	1/4	4,057.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,176.45	1/2	3,493.45	1/2	3,789.72	1/2	4,062.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,183.26	3/4	3,499.83	3/4	3,795.65	3/4	4,067.27	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,190.08	1	3,506.22	1	3,801.58	1	4,072.38	1		1		1		1		1		1	
1/4	3,196.86	1/4	3,512.58	1/4	3,807.48	1/4	4,077.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,203.64	1/2	3,518.94	1/2	3,813.38	1/2	4,082.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,210.42	3/4	3,525.30	3/4	3,819.28	3/4	4,087.63	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,217.21	2	3,531.66	2	3,825.18	2	4,092.72	2		2		2		2		2		2	
1/4	3,223.96	1/4	3,537.99	1/4	3,831.03	1/4	4,097.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,230.71	1/2	3,544.31	1/2	3,836.89	1/2	4,102.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,237.47	3/4	3,550.63	3/4	3,842.75	3/4	4,107.85	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,244.22	3	3,556.95	3	3,848.61	3	4,112.89	3		3		3		3		3		3	
1/4	3,250.93	1/4	3,563.24	1/4	3,854.44	1/4	4,117.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,257.65	1/2	3,569.54	1/2	3,860.26	1/2	4,122.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,264.36	3/4	3,575.83	3/4	3,866.09	3/4	4,127.92	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,271.07	4	3,582.12	4	3,871.92	4	4,132.93	4		4		4		4		4		4	
1/4	3,277.75	1/4	3,588.38	1/4	3,877.70	1/4	4,139.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,284.43	1/2	3,594.64	1/2	3,883.49	1/2	4,145.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,291.11	3/4	3,600.90	3/4	3,889.28	3/4	4,152.32	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,297.79	5	3,607.17	5	3,895.06	5	4,158.78	5		5		5		5		5		5	
1/4	3,304.43	1/4	3,613.39	1/4	3,900.83	1/4	4,165.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,311.07	1/2	3,619.61	1/2	3,906.59	1/2	4,171.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,317.71	3/4	3,625.83	3/4	3,912.36	3/4	4,178.17	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,324.35	6	3,632.04	6	3,918.12	6	4,184.63	6		6		6		6		6		6	
1/4	3,330.96	1/4	3,638.23	1/4	3,923.86	1/4	4,191.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,337.56	1/2	3,644.42	1/2	3,929.60	1/2	4,197.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,344.17	3/4	3,650.61	3/4	3,935.33	3/4	4,204.01	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,350.78	7	3,656.80	7	3,941.07	7	4,210.47	7		7		7		7		7		7	
1/4	3,357.35	1/4	3,662.95	1/4	3,946.76	1/4	4,216.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,363.92	1/2	3,669.10	1/2	3,952.46	1/2	4,223.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,370.48	3/4	3,675.24	3/4	3,958.15	3/4	4,229.96	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,377.05	8	3,681.39	8	3,963.84	8	4,236.46	8		8		8		8		8		8	
1/4	3,383.58	1/4	3,687.47	1/4	3,969.51	1/4	4,242.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,390.11	1/2	3,693.56	1/2	3,975.17	1/2	4,249.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,396.63	3/4	3,699.64	3/4	3,980.83	3/4	4,255.95	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,403.16	9	3,705.72	9	3,986.49	9	4,262.44	9		9		9		9		9		9	
1/4	3,409.66	1/4	3,711.76	1/4	3,992.12	1/4	4,268.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,416.16	1/2	3,717.80	1/2	3,997.74	1/2	4,275.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,422.66	3/4	3,723.85	3/4	4,003.36	3/4	4,281.93	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,429.16	10	3,729.89	10	4,008.98	10	4,288.43	10		10		10		10		10		10	
1/4	3,435.61	1/4	3,735.90	1/4	4,014.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,442.07	1/2	3,741.91	1/2	4,020.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,448.52	3/4	3,747.92	3/4	4,025.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,454.98	11	3,753.93	11	4,031.34	11		11		11		11		11		11		11	
1/4	3,461.40	1/4	3,759.91	1/4	4,036.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,467.83	1/2	3,765.90	1/2	4,041.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,474.25	3/4	3,771.88	3/4	4,046.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/09/2014 SW
CALCULATED: 05/09/2014 CL
PRINTED: 05/10/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTCo 356"

1 STBD

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-9 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	14.20	0	260.33	0	542.96	0	848.98	0	1,176.27	0	1,507.50	0	1,838.73	0	2,169.96	0	2,501.19	0	2,832.42
1/4	16.81	1/4	266.00	1/4	549.10	1/4	855.62	1/4	1,183.18	1/4	1,514.40	1/4	1,845.63	1/4	2,176.86	1/4	2,508.09	1/4	2,839.32
1/2	19.41	1/2	271.68	1/2	555.24	1/2	862.26	1/2	1,190.08	1/2	1,521.30	1/2	1,852.53	1/2	2,183.76	1/2	2,514.99	1/2	2,846.22
3/4	22.02	3/4	277.36	3/4	561.38	3/4	868.90	3/4	1,196.98	3/4	1,528.21	3/4	1,859.43	3/4	2,190.66	3/4	2,521.89	3/4	2,853.12
1	24.63	1	283.03	1	567.53	1	875.54	1	1,203.88	1	1,535.11	1	1,866.33	1	2,197.56	1	2,528.79	1	2,860.02
1/4	29.00	1/4	288.75	1/4	573.71	1/4	882.22	1/4	1,210.78	1/4	1,542.01	1/4	1,873.24	1/4	2,204.46	1/4	2,535.69	1/4	2,866.92
1/2	33.37	1/2	294.46	1/2	579.89	1/2	888.90	1/2	1,217.68	1/2	1,548.91	1/2	1,880.14	1/2	2,211.36	1/2	2,542.59	1/2	2,873.82
3/4	37.75	3/4	300.18	3/4	586.07	3/4	895.58	3/4	1,224.58	3/4	1,555.81	3/4	1,887.04	3/4	2,218.27	3/4	2,549.49	3/4	2,880.72
2	42.12	2	305.90	2	592.26	2	902.26	2	1,231.48	2	1,562.71	2	1,893.94	2	2,225.17	2	2,556.39	2	2,887.62
1/4	47.39	1/4	311.65	1/4	598.49	1/4	908.98	1/4	1,238.38	1/4	1,569.61	1/4	1,900.84	1/4	2,232.07	1/4	2,563.30	1/4	2,894.52
1/2	52.67	1/2	317.41	1/2	604.71	1/2	915.70	1/2	1,245.28	1/2	1,576.51	1/2	1,907.74	1/2	2,238.97	1/2	2,570.20	1/2	2,901.42
3/4	57.94	3/4	323.17	3/4	610.94	3/4	922.42	3/4	1,252.18	3/4	1,583.41	3/4	1,914.64	3/4	2,245.87	3/4	2,577.10	3/4	2,908.33
3	63.22	3	328.92	3	617.17	3	929.14	3	1,259.08	3	1,590.31	3	1,921.54	3	2,252.77	3	2,584.00	3	2,915.23
1/4	68.53	1/4	334.72	1/4	623.45	1/4	935.90	1/4	1,265.98	1/4	1,597.21	1/4	1,928.44	1/4	2,259.67	1/4	2,590.90	1/4	2,922.13
1/2	73.85	1/2	340.52	1/2	629.73	1/2	942.66	1/2	1,272.88	1/2	1,604.11	1/2	1,935.34	1/2	2,266.57	1/2	2,597.80	1/2	2,929.03
3/4	79.16	3/4	346.31	3/4	636.01	3/4	949.42	3/4	1,279.78	3/4	1,611.01	3/4	1,942.24	3/4	2,273.47	3/4	2,604.70	3/4	2,935.93
4	84.48	4	352.11	4	642.29	4	956.18	4	1,286.68	4	1,617.91	4	1,949.14	4	2,280.37	4	2,611.60	4	2,942.83
1/4	89.83	1/4	357.94	1/4	648.61	1/4	962.98	1/4	1,293.59	1/4	1,624.81	1/4	1,956.04	1/4	2,287.27	1/4	2,618.50	1/4	2,949.73
1/2	95.19	1/2	363.78	1/2	654.92	1/2	969.78	1/2	1,300.49	1/2	1,631.71	1/2	1,962.94	1/2	2,294.17	1/2	2,625.40	1/2	2,956.63
3/4	100.54	3/4	369.62	3/4	661.24	3/4	976.58	3/4	1,307.39	3/4	1,638.62	3/4	1,969.84	3/4	2,301.07	3/4	2,632.30	3/4	2,963.53
5	105.90	5	375.45	5	667.56	5	983.38	5	1,314.29	5	1,645.52	5	1,976.74	5	2,307.97	5	2,639.20	5	2,970.43
1/4	111.29	1/4	381.32	1/4	673.92	1/4	990.22	1/4	1,321.19	1/4	1,652.42	1/4	1,983.65	1/4	2,314.87	1/4	2,646.10	1/4	2,977.33
1/2	116.69	1/2	387.19	1/2	680.28	1/2	997.06	1/2	1,328.09	1/2	1,659.32	1/2	1,990.55	1/2	2,321.77	1/2	2,653.00	1/2	2,984.23
3/4	122.08	3/4	393.06	3/4	686.64	3/4	1,003.90	3/4	1,334.99	3/4	1,666.22	3/4	1,997.45	3/4	2,328.68	3/4	2,659.90	3/4	2,991.13
6	127.48	6	398.93	6	693.00	6	1,010.74	6	1,341.89	6	1,673.12	6	2,004.35	6	2,335.58	6	2,666.80	6	2,998.03
1/4	132.91	1/4	404.83	1/4	699.40	1/4	1,017.62	1/4	1,348.79	1/4	1,680.02	1/4	2,011.25	1/4	2,342.48	1/4	2,673.71	1/4	3,004.93
1/2	138.35	1/2	410.73	1/2	705.79	1/2	1,024.50	1/2	1,355.69	1/2	1,686.92	1/2	2,018.15	1/2	2,349.38	1/2	2,680.61	1/2	3,011.83
3/4	143.78	3/4	416.63	3/4	712.19	3/4	1,031.38	3/4	1,362.59	3/4	1,693.82	3/4	2,025.05	3/4	2,356.28	3/4	2,687.51	3/4	3,018.74
7	149.22	7	422.53	7	718.59	7	1,038.26	7	1,369.49	7	1,700.72	7	2,031.95	7	2,363.18	7	2,694.41	7	3,025.64
1/4	154.69	1/4	428.47	1/4	725.03	1/4	1,045.16	1/4	1,376.39	1/4	1,707.62	1/4	2,038.85	1/4	2,370.08	1/4	2,701.31	1/4	3,032.54
1/2	160.17	1/2	434.41	1/2	731.47	1/2	1,052.06	1/2	1,383.29	1/2	1,714.52	1/2	2,045.75	1/2	2,376.98	1/2	2,708.21	1/2	3,039.44
3/4	165.64	3/4	440.36	3/4	737.91	3/4	1,058.96	3/4	1,390.19	3/4	1,721.42	3/4	2,052.65	3/4	2,383.88	3/4	2,715.11	3/4	3,046.34
8	171.12	8	446.30	8	744.35	8	1,065.87	8	1,397.09	8	1,728.32	8	2,059.55	8	2,390.78	8	2,722.01	8	3,053.24
1/4	176.63	1/4	452.28	1/4	750.83	1/4	1,072.77	1/4	1,403.99	1/4	1,735.22	1/4	2,066.45	1/4	2,397.68	1/4	2,728.91	1/4	3,060.14
1/2	182.15	1/2	458.26	1/2	757.31	1/2	1,079.67	1/2	1,410.90	1/2	1,742.12	1/2	2,073.35	1/2	2,404.58	1/2	2,735.81	1/2	3,067.04
3/4	187.66	3/4	464.24	3/4	763.79	3/4	1,086.57	3/4	1,417.80	3/4	1,749.02	3/4	2,080.25	3/4	2,411.48	3/4	2,742.71	3/4	3,073.94
9	193.18	9	470.22	9	770.26	9	1,093.47	9	1,424.70	9	1,755.93	9	2,087.15	9	2,418.38	9	2,749.61	9	3,080.84
1/4	198.73	1/4	476.24	1/4	776.78	1/4	1,100.37	1/4	1,431.60	1/4	1,762.83	1/4	2,094.05	1/4	2,425.28	1/4	2,756.51	1/4	3,087.74
1/2	204.29	1/2	482.26	1/2	783.30	1/2	1,107.27	1/2	1,438.50	1/2	1,769.73	1/2	2,100.96	1/2	2,432.18	1/2	2,763.41	1/2	3,094.64
3/4	209.85	3/4	488.28	3/4	789.82	3/4	1,114.17	3/4	1,445.40	3/4	1,776.63	3/4	2,107.86	3/4	2,439.08	3/4	2,770.31	3/4	3,101.54
10	215.40	10	494.30	10	796.34	10	1,121.07	10	1,452.30	10	1,783.53	10	2,114.76	10	2,445.99	10	2,777.21	10	3,108.44
1/4	221.00	1/4	500.36	1/4	802.90	1/4	1,127.97	1/4	1,459.20	1/4	1,790.43	1/4	2,121.66	1/4	2,452.89	1/4	2,784.11	1/4	3,115.33
1/2	226.59	1/2	506.43	1/2	809.46	1/2	1,134.87	1/2	1,466.10	1/2	1,797.33	1/2	2,128.56	1/2	2,459.79	1/2	2,791.02	1/2	3,122.22
3/4	232.19	3/4	512.49	3/4	816.02	3/4	1,141.77	3/4	1,473.00	3/4	1,804.23	3/4	2,135.46	3/4	2,466.69	3/4	2,797.92	3/4	3,129.11
11	237.78	11	518.55	11	822.58	11	1,148.67	11	1,479.90	11	1,811.13	11	2,142.36	11	2,473.59	11	2,804.82	11	3,136.00
1/4	243.42	1/4	524.65	1/4	829.18	1/4	1,155.57	1/4	1,486.80	1/4	1,818.03	1/4	2,149.26	1/4	2,480.49	1/4	2,811.72	1/4	3,142.86
1/2	249.06	1/2	530.75	1/2	835.78	1/2	1,162.47	1/2	1,493.70	1/2	1,824.93	1/2	2,156.16	1/2	2,487.39	1/2	2,818.62	1/2	3,149.71
3/4	254.69	3/4	536.86	3/4	842.38	3/4	1,169.37	3/4	1,500.60	3/4	1,831.83	3/4	2,163.06	3/4	2,494.29	3/4	2,825.52	3/4	3,156.56

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 356"

1 STBD INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-9 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	3,163.41	0	3,481.22	0	3,778.33	0	4,052.31	0		0		0		0		0		0	
1/4	3,170.23	1/4	3,487.60	1/4	3,784.26	1/4	4,057.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,177.04	1/2	3,493.98	1/2	3,790.19	1/2	4,062.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,183.85	3/4	3,500.37	3/4	3,796.12	3/4	4,067.64	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,190.67	1	3,506.75	1	3,802.04	1	4,072.75	1		1		1		1		1		1	
1/4	3,197.45	1/4	3,513.11	1/4	3,807.94	1/4	4,077.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,204.23	1/2	3,519.47	1/2	3,813.84	1/2	4,082.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,211.01	3/4	3,525.83	3/4	3,819.74	3/4	4,088.00	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,217.79	2	3,532.19	2	3,825.63	2	4,093.08	2		2		2		2		2		2	
1/4	3,224.55	1/4	3,538.51	1/4	3,831.49	1/4	4,098.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,231.30	1/2	3,544.84	1/2	3,837.35	1/2	4,103.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,238.05	3/4	3,551.16	3/4	3,843.20	3/4	4,108.20	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,244.81	3	3,557.48	3	3,849.06	3	4,113.24	3		3		3		3		3		3	
1/4	3,251.52	1/4	3,563.77	1/4	3,854.88	1/4	4,118.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,258.23	1/2	3,570.06	1/2	3,860.71	1/2	4,123.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,264.94	3/4	3,576.35	3/4	3,866.53	3/4	4,128.27	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,271.65	4	3,582.64	4	3,872.36	4	4,133.28	4		4		4		4		4		4	
1/4	3,278.32	1/4	3,588.90	1/4	3,878.14	1/4	4,139.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,285.00	1/2	3,595.16	1/2	3,883.93	1/2	4,146.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,291.68	3/4	3,601.42	3/4	3,889.72	3/4	4,152.66	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,298.36	5	3,607.68	5	3,895.50	5	4,159.12	5		5		5		5		5		5	
1/4	3,305.00	1/4	3,613.90	1/4	3,901.26	1/4	4,165.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,311.64	1/2	3,620.12	1/2	3,907.03	1/2	4,172.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,318.28	3/4	3,626.33	3/4	3,912.79	3/4	4,178.50	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,324.92	6	3,632.55	6	3,918.55	6	4,184.96	6		6		6		6		6		6	
1/4	3,331.52	1/4	3,638.74	1/4	3,924.29	1/4	4,191.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,338.13	1/2	3,644.93	1/2	3,930.02	1/2	4,197.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,344.74	3/4	3,651.11	3/4	3,935.76	3/4	4,204.34	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,351.34	7	3,657.30	7	3,941.49	7	4,210.80	7		7		7		7		7		7	
1/4	3,357.91	1/4	3,663.45	1/4	3,947.18	1/4	4,217.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,364.48	1/2	3,669.59	1/2	3,952.87	1/2	4,223.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,371.05	3/4	3,675.74	3/4	3,958.57	3/4	4,230.29	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,377.61	8	3,681.89	8	3,964.26	8	4,236.78	8		8		8		8		8		8	
1/4	3,384.14	1/4	3,687.97	1/4	3,969.92	1/4	4,243.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,390.66	1/2	3,694.05	1/2	3,975.58	1/2	4,249.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,397.19	3/4	3,700.13	3/4	3,981.24	3/4	4,256.27	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,403.72	9	3,706.21	9	3,986.90	9	4,262.76	9		9		9		9		9		9	
1/4	3,410.21	1/4	3,712.25	1/4	3,992.52	1/4	4,269.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,416.71	1/2	3,718.29	1/2	3,998.14	1/2	4,275.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,423.21	3/4	3,724.33	3/4	4,003.76	3/4	4,282.24	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,429.71	10	3,730.37	10	4,009.38	10	4,288.74	10		10		10		10		10		10	
1/4	3,436.16	1/4	3,736.38	1/4	4,014.97	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,442.61	1/2	3,742.39	1/2	4,020.56	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,449.07	3/4	3,748.40	3/4	4,026.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,455.52	11	3,754.41	11	4,031.74	11		11		11		11		11		11		11	
1/4	3,461.95	1/4	3,760.39	1/4	4,036.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,468.37	1/2	3,766.37	1/2	4,042.02	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,474.79	3/4	3,772.35	3/4	4,047.16	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/09/2014 SW
CALCULATED: 05/09/2014 CL
PRINTED: 05/10/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2014

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



BARGE "CTCo 356"

2 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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	16.57	0	388.42	0	765.60	0	1,149.18	0	1,537.21	0	1,925.23	0	2,313.26	0	2,701.29	0	3,089.31	0	3,477.34
1/4	21.62	1/4	396.50	1/4	773.36	1/4	1,157.26	1/4	1,545.29	1/4	1,933.32	1/4	2,321.34	1/4	2,709.37	1/4	3,097.40	1/4	3,485.43
1/2	26.67	1/2	404.58	1/2	781.13	1/2	1,165.35	1/2	1,553.37	1/2	1,941.40	1/2	2,329.43	1/2	2,717.45	1/2	3,105.48	1/2	3,493.51
3/4	31.72	3/4	412.67	3/4	788.89	3/4	1,173.43	3/4	1,561.46	3/4	1,949.48	3/4	2,337.51	3/4	2,725.54	3/4	3,113.57	3/4	3,501.59
1	36.78	1	420.75	1	796.65	1	1,181.51	1	1,569.54	1	1,957.57	1	2,345.60	1	2,733.62	1	3,121.65	1	3,509.68
1/4	43.85	1/4	428.83	1/4	804.41	1/4	1,189.60	1/4	1,577.62	1/4	1,965.65	1/4	2,353.68	1/4	2,741.71	1/4	3,129.73	1/4	3,517.76
1/2	50.92	1/2	436.92	1/2	812.17	1/2	1,197.68	1/2	1,585.71	1/2	1,973.74	1/2	2,361.76	1/2	2,749.79	1/2	3,137.82	1/2	3,525.84
3/4	58.00	3/4	445.00	3/4	819.93	3/4	1,205.77	3/4	1,593.79	3/4	1,981.82	3/4	2,369.85	3/4	2,757.87	3/4	3,145.90	3/4	3,533.93
2	65.07	2	453.09	2	827.70	2	1,213.85	2	1,601.88	2	1,989.90	2	2,377.93	2	2,765.96	2	3,153.99	2	3,542.01
1/4	73.16	1/4	461.17	1/4	835.46	1/4	1,221.93	1/4	1,609.96	1/4	1,997.99	1/4	2,386.01	1/4	2,774.04	1/4	3,162.07	1/4	3,550.10
1/2	81.24	1/2	469.25	1/2	843.23	1/2	1,230.02	1/2	1,618.04	1/2	2,006.07	1/2	2,394.10	1/2	2,782.13	1/2	3,170.15	1/2	3,558.18
3/4	89.32	3/4	477.34	3/4	851.00	3/4	1,238.10	3/4	1,626.13	3/4	2,014.16	3/4	2,402.18	3/4	2,790.21	3/4	3,178.24	3/4	3,566.26
3	97.41	3	485.42	3	858.77	3	1,246.19	3	1,634.21	3	2,022.24	3	2,410.27	3	2,798.29	3	3,186.32	3	3,574.35
1/4	105.49	1/4	493.35	1/4	866.70	1/4	1,254.27	1/4	1,642.30	1/4	2,030.32	1/4	2,418.35	1/4	2,806.38	1/4	3,194.40	1/4	3,582.43
1/2	113.57	1/2	501.28	1/2	874.63	1/2	1,262.35	1/2	1,650.38	1/2	2,038.41	1/2	2,426.43	1/2	2,814.46	1/2	3,202.49	1/2	3,590.52
3/4	121.66	3/4	509.21	3/4	882.56	3/4	1,270.44	3/4	1,658.46	3/4	2,046.49	3/4	2,434.52	3/4	2,822.55	3/4	3,210.57	3/4	3,598.60
4	129.74	4	517.15	4	890.49	4	1,278.52	4	1,666.55	4	2,054.58	4	2,442.60	4	2,830.63	4	3,218.66	4	3,606.68
1/4	137.82	1/4	524.92	1/4	898.58	1/4	1,286.60	1/4	1,674.63	1/4	2,062.66	1/4	2,450.69	1/4	2,838.71	1/4	3,226.74	1/4	3,614.77
1/2	145.91	1/2	532.70	1/2	906.66	1/2	1,294.69	1/2	1,682.72	1/2	2,070.74	1/2	2,458.77	1/2	2,846.80	1/2	3,234.82	1/2	3,622.85
3/4	153.99	3/4	540.48	3/4	914.75	3/4	1,302.77	3/4	1,690.80	3/4	2,078.83	3/4	2,466.85	3/4	2,854.88	3/4	3,242.91	3/4	3,630.94
5	162.08	5	548.25	5	922.83	5	1,310.86	5	1,698.88	5	2,086.91	5	2,474.94	5	2,862.97	5	3,250.99	5	3,639.02
1/4	170.16	1/4	556.02	1/4	930.91	1/4	1,318.94	1/4	1,706.97	1/4	2,094.99	1/4	2,483.02	1/4	2,871.05	1/4	3,259.08	1/4	3,647.10
1/2	178.24	1/2	563.79	1/2	939.00	1/2	1,327.02	1/2	1,715.05	1/2	2,103.08	1/2	2,491.11	1/2	2,879.13	1/2	3,267.16	1/2	3,655.19
3/4	186.33	3/4	571.56	3/4	947.08	3/4	1,335.11	3/4	1,723.14	3/4	2,111.16	3/4	2,499.19	3/4	2,887.22	3/4	3,275.24	3/4	3,663.27
6	194.41	6	579.33	6	955.16	6	1,343.19	6	1,731.22	6	2,119.25	6	2,507.27	6	2,895.30	6	3,283.33	6	3,671.36
1/4	202.49	1/4	587.09	1/4	963.25	1/4	1,351.28	1/4	1,739.30	1/4	2,127.33	1/4	2,515.36	1/4	2,903.38	1/4	3,291.41	1/4	3,679.44
1/2	210.58	1/2	594.85	1/2	971.33	1/2	1,359.36	1/2	1,747.39	1/2	2,135.41	1/2	2,523.44	1/2	2,911.47	1/2	3,299.50	1/2	3,687.52
3/4	218.66	3/4	602.61	3/4	979.42	3/4	1,367.44	3/4	1,755.47	3/4	2,143.50	3/4	2,531.53	3/4	2,919.55	3/4	3,307.58	3/4	3,695.61
7	226.74	7	610.38	7	987.50	7	1,375.53	7	1,763.55	7	2,151.58	7	2,539.61	7	2,927.64	7	3,315.66	7	3,703.69
1/4	234.83	1/4	618.14	1/4	995.58	1/4	1,383.61	1/4	1,771.64	1/4	2,159.67	1/4	2,547.69	1/4	2,935.72	1/4	3,323.75	1/4	3,711.77
1/2	242.91	1/2	625.90	1/2	1,003.67	1/2	1,391.70	1/2	1,779.72	1/2	2,167.75	1/2	2,555.78	1/2	2,943.80	1/2	3,331.83	1/2	3,719.86
3/4	251.00	3/4	633.66	3/4	1,011.75	3/4	1,399.78	3/4	1,787.81	3/4	2,175.83	3/4	2,563.86	3/4	2,951.89	3/4	3,339.92	3/4	3,727.94
8	259.08	8	641.42	8	1,019.84	8	1,407.86	8	1,795.89	8	2,183.92	8	2,571.94	8	2,959.97	8	3,348.00	8	3,736.03
1/4	267.16	1/4	649.18	1/4	1,027.92	1/4	1,415.95	1/4	1,803.97	1/4	2,192.00	1/4	2,580.03	1/4	2,968.06	1/4	3,356.08	1/4	3,744.11
1/2	275.25	1/2	656.94	1/2	1,036.00	1/2	1,424.03	1/2	1,812.06	1/2	2,200.09	1/2	2,588.11	1/2	2,976.14	1/2	3,364.17	1/2	3,752.19
3/4	283.33	3/4	664.70	3/4	1,044.09	3/4	1,432.11	3/4	1,820.14	3/4	2,208.17	3/4	2,596.20	3/4	2,984.22	3/4	3,372.25	3/4	3,760.28
9	291.41	9	672.46	9	1,052.17	9	1,440.20	9	1,828.23	9	2,216.25	9	2,604.28	9	2,992.31	9	3,380.33	9	3,768.36
1/4	299.50	1/4	680.23	1/4	1,060.26	1/4	1,448.28	1/4	1,836.31	1/4	2,224.34	1/4	2,612.36	1/4	3,000.39	1/4	3,388.42	1/4	3,776.45
1/2	307.58	1/2	687.99	1/2	1,068.34	1/2	1,456.37	1/2	1,844.39	1/2	2,232.42	1/2	2,620.45	1/2	3,008.48	1/2	3,396.50	1/2	3,784.53
3/4	315.66	3/4	695.75	3/4	1,076.42	3/4	1,464.45	3/4	1,852.48	3/4	2,240.50	3/4	2,628.53	3/4	3,016.56	3/4	3,404.59	3/4	3,792.61
10	323.75	10	703.51	10	1,084.51	10	1,472.53	10	1,860.56	10	2,248.59	10	2,636.62	10	3,024.64	10	3,412.67	10	3,800.70
1/4	331.83	1/4	711.27	1/4	1,092.59	1/4	1,480.62	1/4	1,868.65	1/4	2,256.67	1/4	2,644.70	1/4	3,032.73	1/4	3,420.75	1/4	3,808.76
1/2	339.91	1/2	719.03	1/2	1,100.67	1/2	1,488.70	1/2	1,876.73	1/2	2,264.76	1/2	2,652.78	1/2	3,040.81	1/2	3,428.84	1/2	3,816.83
3/4	348.00	3/4	726.79	3/4	1,108.76	3/4	1,496.79	3/4	1,884.81	3/4	2,272.84	3/4	2,660.87	3/4	3,048.89	3/4	3,436.92	3/4	3,824.90
11	356.08	11	734.55	11	1,116.84	11	1,504.87	11	1,892.90	11	2,280.92	11	2,668.95	11	3,056.98	11	3,445.01	11	3,832.97
1/4	364.17	1/4	742.32	1/4	1,124.93	1/4	1,512.95	1/4	1,900.98	1/4	2,289.01	1/4	2,677.04	1/4	3,065.06	1/4	3,453.09	1/4	3,840.99
1/2	372.25	1/2	750.08	1/2	1,133.01	1/2	1,521.04	1/2	1,909.06	1/2	2,297.09	1/2	2,685.12	1/2	3,073.15	1/2	3,461.17	1/2	3,849.02
3/4	380.33	3/4	757.84	3/4	1,141.09	3/4	1,529.12	3/4	1,917.15	3/4	2,305.18	3/4	2,693.20	3/4	3,081.23	3/4	3,469.26	3/4	3,857.05

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

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

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



BARGE "CTCo 356"

2 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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	3,865.08	0	4,237.39	0	4,585.48	0	4,906.48	0		0		0		0		0		0	
1/4	3,873.06	1/4	4,244.87	1/4	4,592.43	1/4	4,912.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,881.04	1/2	4,252.35	1/2	4,599.37	1/2	4,918.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,889.02	3/4	4,259.83	3/4	4,606.32	3/4	4,924.45	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,897.00	1	4,267.30	1	4,613.26	1	4,930.44	1		1		1		1		1		1	
1/4	3,904.95	1/4	4,274.76	1/4	4,620.17	1/4	4,936.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,912.89	1/2	4,282.21	1/2	4,627.08	1/2	4,942.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,920.84	3/4	4,289.66	3/4	4,633.99	3/4	4,948.30	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,928.78	2	4,297.11	2	4,640.90	2	4,954.26	2		2		2		2		2		2	
1/4	3,936.69	1/4	4,304.52	1/4	4,647.76	1/4	4,960.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,944.60	1/2	4,311.92	1/2	4,654.62	1/2	4,966.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,952.51	3/4	4,319.33	3/4	4,661.48	3/4	4,971.98	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,960.43	3	4,326.73	3	4,668.35	3	4,977.88	3		3		3		3		3		3	
1/4	3,968.29	1/4	4,334.10	1/4	4,675.17	1/4	4,983.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,976.15	1/2	4,341.47	1/2	4,682.00	1/2	4,989.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,984.01	3/4	4,348.84	3/4	4,688.82	3/4	4,995.49	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,991.87	4	4,356.21	4	4,695.64	4	5,001.36	4		4		4		4		4		4	
1/4	3,999.69	1/4	4,363.54	1/4	4,702.42	1/4	5,008.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,007.52	1/2	4,370.88	1/2	4,709.20	1/2	5,016.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,015.34	3/4	4,378.21	3/4	4,715.98	3/4	5,024.06	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,023.17	5	4,385.55	5	4,722.76	5	5,031.63	5		5		5		5		5		5	
1/4	4,030.95	1/4	4,392.83	1/4	4,729.51	1/4	5,039.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,038.72	1/2	4,400.12	1/2	4,736.26	1/2	5,046.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,046.50	3/4	4,407.40	3/4	4,743.01	3/4	5,054.34	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,054.28	6	4,414.69	6	4,749.76	6	5,061.91	6		6		6		6		6		6	
1/4	4,062.02	1/4	4,421.94	1/4	4,756.48	1/4	5,069.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,069.76	1/2	4,429.19	1/2	4,763.20	1/2	5,077.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,077.50	3/4	4,436.44	3/4	4,769.92	3/4	5,084.61	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,085.24	7	4,443.69	7	4,776.64	7	5,092.18	7		7		7		7		7		7	
1/4	4,092.93	1/4	4,450.89	1/4	4,783.31	1/4	5,099.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,100.62	1/2	4,458.09	1/2	4,789.98	1/2	5,107.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,108.32	3/4	4,465.29	3/4	4,796.65	3/4	5,115.01	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,116.01	8	4,472.49	8	4,803.31	8	5,122.61	8		8		8		8		8		8	
1/4	4,123.66	1/4	4,479.61	1/4	4,809.95	1/4	5,130.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,131.30	1/2	4,486.74	1/2	4,816.58	1/2	5,137.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,138.95	3/4	4,493.86	3/4	4,823.21	3/4	5,145.44	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,146.59	9	4,500.98	9	4,829.84	9	5,153.05	9		9		9		9		9		9	
1/4	4,154.20	1/4	4,508.06	1/4	4,836.43	1/4	5,160.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,161.82	1/2	4,515.14	1/2	4,843.01	1/2	5,168.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,169.43	3/4	4,522.22	3/4	4,849.60	3/4	5,175.88	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,177.04	10	4,529.29	10	4,856.18	10	5,183.49	10		10		10		10		10		10	
1/4	4,184.60	1/4	4,536.33	1/4	4,862.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,192.16	1/2	4,543.37	1/2	4,869.28	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,199.73	3/4	4,550.41	3/4	4,875.83	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,207.29	11	4,557.45	11	4,882.37	11		11		11		11		11		11		11	
1/4	4,214.81	1/4	4,564.46	1/4	4,888.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,222.34	1/2	4,571.47	1/2	4,894.43	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,229.86	3/4	4,578.47	3/4	4,900.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/09/2014 SW
CALCULATED: 05/09/2014 CL
PRINTED: 05/10/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2014

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



BARGE "CTCo 356"

2 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 14'-10 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	16.56	0	388.38	0	775.93	0	1,163.75	0	1,551.74	0	1,939.72	0	2,327.71	0	2,715.69	0	3,103.67	0	3,491.66
1/4	21.62	1/4	396.46	1/4	784.00	1/4	1,171.84	1/4	1,559.82	1/4	1,947.80	1/4	2,335.79	1/4	2,723.77	1/4	3,111.76	1/4	3,499.74
1/2	26.67	1/2	404.54	1/2	792.07	1/2	1,179.92	1/2	1,567.90	1/2	1,955.89	1/2	2,343.87	1/2	2,731.86	1/2	3,119.84	1/2	3,507.82
3/4	31.72	3/4	412.63	3/4	800.13	3/4	1,188.00	3/4	1,575.99	3/4	1,963.97	3/4	2,351.95	3/4	2,739.94	3/4	3,127.92	3/4	3,515.91
1	36.77	1	420.71	1	808.20	1	1,196.09	1	1,584.07	1	1,972.05	1	2,360.04	1	2,748.02	1	3,136.01	1	3,523.99
1/4	43.84	1/4	428.79	1/4	816.27	1/4	1,204.17	1/4	1,592.15	1/4	1,980.14	1/4	2,368.12	1/4	2,756.10	1/4	3,144.09	1/4	3,532.07
1/2	50.92	1/2	436.87	1/2	824.33	1/2	1,212.25	1/2	1,600.24	1/2	1,988.22	1/2	2,376.20	1/2	2,764.19	1/2	3,152.17	1/2	3,540.16
3/4	57.99	3/4	444.96	3/4	832.40	3/4	1,220.33	3/4	1,608.32	3/4	1,996.30	3/4	2,384.29	3/4	2,772.27	3/4	3,160.25	3/4	3,548.24
2	65.06	2	453.04	2	840.47	2	1,228.42	2	1,616.40	2	2,004.39	2	2,392.37	2	2,780.35	2	3,168.34	2	3,556.32
1/4	73.15	1/4	461.12	1/4	848.54	1/4	1,236.50	1/4	1,624.48	1/4	2,012.47	1/4	2,400.45	1/4	2,788.44	1/4	3,176.42	1/4	3,564.40
1/2	81.23	1/2	469.20	1/2	856.62	1/2	1,244.58	1/2	1,632.57	1/2	2,020.55	1/2	2,408.54	1/2	2,796.52	1/2	3,184.50	1/2	3,572.49
3/4	89.31	3/4	477.29	3/4	864.69	3/4	1,252.67	3/4	1,640.65	3/4	2,028.63	3/4	2,416.62	3/4	2,804.60	3/4	3,192.59	3/4	3,580.57
3	97.40	3	485.37	3	872.77	3	1,260.75	3	1,648.73	3	2,036.72	3	2,424.70	3	2,812.69	3	3,200.67	3	3,588.65
1/4	105.48	1/4	493.45	1/4	880.85	1/4	1,268.83	1/4	1,656.82	1/4	2,044.80	1/4	2,432.78	1/4	2,820.77	1/4	3,208.75	1/4	3,596.74
1/2	113.56	1/2	501.54	1/2	888.93	1/2	1,276.92	1/2	1,664.90	1/2	2,052.88	1/2	2,440.87	1/2	2,828.85	1/2	3,216.84	1/2	3,604.82
3/4	121.64	3/4	509.62	3/4	897.01	3/4	1,285.00	3/4	1,672.98	3/4	2,060.97	3/4	2,448.95	3/4	2,836.93	3/4	3,224.92	3/4	3,612.90
4	129.73	4	517.70	4	905.10	4	1,293.08	4	1,681.07	4	2,069.05	4	2,457.03	4	2,845.02	4	3,233.00	4	3,620.99
1/4	137.81	1/4	525.78	1/4	913.18	1/4	1,301.16	1/4	1,689.15	1/4	2,077.13	1/4	2,465.12	1/4	2,853.10	1/4	3,241.08	1/4	3,629.07
1/2	145.89	1/2	533.87	1/2	921.26	1/2	1,309.25	1/2	1,697.23	1/2	2,085.22	1/2	2,473.20	1/2	2,861.18	1/2	3,249.17	1/2	3,637.15
3/4	153.98	3/4	541.95	3/4	929.35	3/4	1,317.33	3/4	1,705.31	3/4	2,093.30	3/4	2,481.28	3/4	2,869.27	3/4	3,257.25	3/4	3,645.23
5	162.06	5	550.03	5	937.43	5	1,325.41	5	1,713.40	5	2,101.38	5	2,489.37	5	2,877.35	5	3,265.33	5	3,653.32
1/4	170.14	1/4	558.11	1/4	945.51	1/4	1,333.50	1/4	1,721.48	1/4	2,109.46	1/4	2,497.45	1/4	2,885.43	1/4	3,273.42	1/4	3,661.40
1/2	178.22	1/2	566.18	1/2	953.60	1/2	1,341.58	1/2	1,729.56	1/2	2,117.55	1/2	2,505.53	1/2	2,893.52	1/2	3,281.50	1/2	3,669.48
3/4	186.31	3/4	574.25	3/4	961.68	3/4	1,349.66	3/4	1,737.65	3/4	2,125.63	3/4	2,513.61	3/4	2,901.60	3/4	3,289.58	3/4	3,677.57
6	194.39	6	582.33	6	969.76	6	1,357.75	6	1,745.73	6	2,133.71	6	2,521.70	6	2,909.68	6	3,297.67	6	3,685.65
1/4	202.47	1/4	590.39	1/4	977.84	1/4	1,365.83	1/4	1,753.81	1/4	2,141.80	1/4	2,529.78	1/4	2,917.76	1/4	3,305.75	1/4	3,693.73
1/2	210.56	1/2	598.46	1/2	985.93	1/2	1,373.91	1/2	1,761.90	1/2	2,149.88	1/2	2,537.86	1/2	2,925.85	1/2	3,313.83	1/2	3,701.82
3/4	218.64	3/4	606.53	3/4	994.01	3/4	1,381.99	3/4	1,769.98	3/4	2,157.96	3/4	2,545.95	3/4	2,933.93	3/4	3,321.91	3/4	3,709.90
7	226.72	7	614.60	7	1,002.09	7	1,390.08	7	1,778.06	7	2,166.05	7	2,554.03	7	2,942.01	7	3,330.00	7	3,717.98
1/4	234.80	1/4	622.66	1/4	1,010.18	1/4	1,398.16	1/4	1,786.14	1/4	2,174.13	1/4	2,562.11	1/4	2,950.10	1/4	3,338.08	1/4	3,726.06
1/2	242.89	1/2	630.73	1/2	1,018.26	1/2	1,406.24	1/2	1,794.23	1/2	2,182.21	1/2	2,570.20	1/2	2,958.18	1/2	3,346.16	1/2	3,734.15
3/4	250.97	3/4	638.80	3/4	1,026.34	3/4	1,414.33	3/4	1,802.31	3/4	2,190.29	3/4	2,578.28	3/4	2,966.26	3/4	3,354.25	3/4	3,742.23
8	259.05	8	646.86	8	1,034.43	8	1,422.41	8	1,810.39	8	2,198.38	8	2,586.36	8	2,974.35	8	3,362.33	8	3,750.31
1/4	267.13	1/4	654.93	1/4	1,042.51	1/4	1,430.49	1/4	1,818.48	1/4	2,206.46	1/4	2,594.44	1/4	2,982.43	1/4	3,370.41	1/4	3,758.40
1/2	275.22	1/2	663.00	1/2	1,050.59	1/2	1,438.58	1/2	1,826.56	1/2	2,214.54	1/2	2,602.53	1/2	2,990.51	1/2	3,378.50	1/2	3,766.48
3/4	283.30	3/4	671.06	3/4	1,058.67	3/4	1,446.66	3/4	1,834.64	3/4	2,222.63	3/4	2,610.61	3/4	2,998.59	3/4	3,386.58	3/4	3,774.56
9	291.38	9	679.13	9	1,066.76	9	1,454.74	9	1,842.73	9	2,230.71	9	2,618.69	9	3,006.68	9	3,394.66	9	3,782.65
1/4	299.47	1/4	687.20	1/4	1,074.84	1/4	1,462.82	1/4	1,850.81	1/4	2,238.79	1/4	2,626.78	1/4	3,014.76	1/4	3,402.74	1/4	3,790.73
1/2	307.55	1/2	695.26	1/2	1,082.92	1/2	1,470.91	1/2	1,858.89	1/2	2,246.88	1/2	2,634.86	1/2	3,022.84	1/2	3,410.83	1/2	3,798.81
3/4	315.63	3/4	703.33	3/4	1,091.01	3/4	1,478.99	3/4	1,866.97	3/4	2,254.96	3/4	2,642.94	3/4	3,030.93	3/4	3,418.91	3/4	3,806.89
10	323.71	10	711.39	10	1,099.09	10	1,487.07	10	1,875.06	10	2,263.04	10	2,651.03	10	3,039.01	10	3,426.99	10	3,814.98
1/4	331.80	1/4	719.46	1/4	1,107.17	1/4	1,495.16	1/4	1,883.14	1/4	2,271.12	1/4	2,659.11	1/4	3,047.09	1/4	3,435.08	1/4	3,823.04
1/2	339.88	1/2	727.53	1/2	1,115.26	1/2	1,503.24	1/2	1,891.22	1/2	2,279.21	1/2	2,667.19	1/2	3,055.18	1/2	3,443.16	1/2	3,831.11
3/4	347.96	3/4	735.60	3/4	1,123.34	3/4	1,511.32	3/4	1,899.31	3/4	2,287.29	3/4	2,675.27	3/4	3,063.26	3/4	3,451.24	3/4	3,839.18
11	356.05	11	743.66	11	1,131.42	11	1,519.41	11	1,907.39	11	2,295.37	11	2,683.36	11	3,071.34	11	3,459.33	11	3,847.24
1/4	364.13	1/4	751.73	1/4	1,139.50	1/4	1,527.49	1/4	1,915.47	1/4	2,303.46	1/4	2,691.44	1/4	3,079.42	1/4	3,467.41	1/4	3,855.27
1/2	372.21	1/2	759.80	1/2	1,147.59	1/2	1,535.57	1/2	1,923.56	1/2	2,311.54	1/2	2,699.52	1/2	3,087.51	1/2	3,475.49	1/2	3,863.30
3/4	380.29	3/4	767.86	3/4	1,155.67	3/4	1,543.65	3/4	1,931.64	3/4	2,319.62	3/4	2,707.61	3/4	3,095.59	3/4	3,483.57	3/4	3,871.32

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 356"

2 STBD INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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	3,879.35	0	4,251.64	0	4,599.72	0	4,920.74	0		0		0		0		0		0	
1/4	3,887.33	1/4	4,259.11	1/4	4,606.66	1/4	4,926.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,895.31	1/2	4,266.59	1/2	4,613.61	1/2	4,932.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,903.29	3/4	4,274.07	3/4	4,620.56	3/4	4,938.71	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,911.28	1	4,281.55	1	4,627.50	1	4,944.70	1		1		1		1		1		1	
1/4	3,919.22	1/4	4,289.00	1/4	4,634.41	1/4	4,950.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,927.16	1/2	4,296.45	1/2	4,641.32	1/2	4,956.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,935.11	3/4	4,303.90	3/4	4,648.23	3/4	4,962.57	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,943.05	2	4,311.35	2	4,655.14	2	4,968.52	2		2		2		2		2		2	
1/4	3,950.96	1/4	4,318.76	1/4	4,662.00	1/4	4,974.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,958.87	1/2	4,326.16	1/2	4,668.86	1/2	4,980.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,966.78	3/4	4,333.57	3/4	4,675.72	3/4	4,986.24	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,974.69	3	4,340.98	3	4,682.59	3	4,992.15	3		3		3		3		3		3	
1/4	3,982.55	1/4	4,348.34	1/4	4,689.41	1/4	4,998.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,990.41	1/2	4,355.71	1/2	4,696.24	1/2	5,003.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,998.27	3/4	4,363.08	3/4	4,703.06	3/4	5,009.76	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,006.13	4	4,370.45	4	4,370.88	4	5,015.63	4		4		4		4		4		4	
1/4	4,013.96	1/4	4,377.78	1/4	4,716.66	1/4	5,023.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,021.78	1/2	4,385.12	1/2	4,723.44	1/2	5,030.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,029.60	3/4	4,392.45	3/4	4,730.22	3/4	5,038.33	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,037.43	5	4,399.79	5	4,737.00	5	5,045.90	5		5		5		5		5		5	
1/4	4,045.20	1/4	4,407.07	1/4	4,743.75	1/4	5,053.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,052.98	1/2	4,414.36	1/2	4,750.50	1/2	5,061.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,060.76	3/4	4,421.64	3/4	4,757.26	3/4	5,068.61	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,068.53	6	4,428.93	6	4,764.01	6	5,076.17	6		6		6		6		6		6	
1/4	4,076.27	1/4	4,436.18	1/4	4,770.73	1/4	5,083.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,084.01	1/2	4,443.43	1/2	4,777.45	1/2	5,091.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,091.75	3/4	4,450.67	3/4	4,784.17	3/4	5,098.88	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,099.49	7	4,457.92	7	4,790.88	7	5,106.44	7		7		7		7		7		7	
1/4	4,107.18	1/4	4,465.12	1/4	4,797.55	1/4	5,114.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,114.88	1/2	4,472.33	1/2	4,804.22	1/2	5,121.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,122.57	3/4	4,479.53	3/4	4,810.89	3/4	5,129.27	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,130.26	8	4,486.73	8	4,817.56	8	5,136.88	8		8		8		8		8		8	
1/4	4,137.91	1/4	4,493.85	1/4	4,824.19	1/4	5,144.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,145.55	1/2	4,500.98	1/2	4,830.83	1/2	5,152.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,153.20	3/4	4,508.10	3/4	4,837.46	3/4	5,159.70	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,160.84	9	4,515.22	9	4,844.09	9	5,167.31	9		9		9		9		9		9	
1/4	4,168.45	1/4	4,522.30	1/4	4,850.68	1/4	5,174.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,176.07	1/2	4,529.38	1/2	4,857.26	1/2	5,182.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,183.68	3/4	4,536.45	3/4	4,863.85	3/4	5,190.14	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,191.29	10	4,543.53	10	4,870.43	10	5,197.75	10		10		10		10		10		10	
1/4	4,198.85	1/4	4,550.57	1/4	4,876.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,206.41	1/2	4,557.61	1/2	4,883.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,213.97	3/4	4,564.65	3/4	4,890.08	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,221.53	11	4,571.69	11	4,896.63	11		11		11		11		11		11		11	
1/4	4,229.06	1/4	4,578.70	1/4	4,902.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,236.59	1/2	4,585.70	1/2	4,908.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,244.11	3/4	4,592.71	3/4	4,914.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/09/2014 SW
CALCULATED: 05/09/2014 CL
PRINTED: 05/10/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2014

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



BARGE "CTCo 356"

3 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-9 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	15.45	0	361.50	0	712.40	0	1,069.25	0	1,430.08	0	1,790.18	0	2,150.89	0	2,511.88	0	2,872.50	0	3,232.71
1/4	20.15	1/4	369.02	1/4	719.62	1/4	1,076.76	1/4	1,437.60	1/4	1,797.68	1/4	2,158.41	1/4	2,519.40	1/4	2,880.01	1/4	3,240.21
1/2	24.85	1/2	376.54	1/2	726.84	1/2	1,084.28	1/2	1,445.12	1/2	1,805.17	1/2	2,165.93	1/2	2,526.92	1/2	2,887.52	1/2	3,247.71
3/4	29.55	3/4	384.07	3/4	734.06	3/4	1,091.80	3/4	1,452.63	3/4	1,812.67	3/4	2,173.45	3/4	2,534.44	3/4	2,895.03	3/4	3,255.21
1	34.25	1	391.59	1	741.28	1	1,099.32	1	1,460.15	1	1,820.17	1	2,180.97	1	2,541.96	1	2,902.54	1	3,262.71
1/4	40.84	1/4	399.11	1/4	748.51	1/4	1,106.83	1/4	1,467.67	1/4	1,827.66	1/4	2,188.49	1/4	2,549.48	1/4	2,910.05	1/4	3,270.22
1/2	47.42	1/2	406.63	1/2	755.74	1/2	1,114.35	1/2	1,475.19	1/2	1,835.16	1/2	2,196.01	1/2	2,557.00	1/2	2,917.57	1/2	3,277.73
3/4	54.00	3/4	414.16	3/4	762.97	3/4	1,121.87	3/4	1,482.70	3/4	1,842.66	3/4	2,203.53	3/4	2,564.52	3/4	2,925.08	3/4	3,285.24
2	60.59	2	421.68	2	770.21	2	1,129.38	2	1,490.22	2	1,850.15	2	2,211.05	2	2,572.05	2	2,932.59	2	3,292.75
1/4	68.11	1/4	429.20	1/4	777.44	1/4	1,136.90	1/4	1,497.74	1/4	1,857.65	1/4	2,218.57	1/4	2,579.56	1/4	2,940.10	1/4	3,300.26
1/2	75.63	1/2	436.73	1/2	784.68	1/2	1,144.42	1/2	1,505.25	1/2	1,865.15	1/2	2,226.09	1/2	2,587.07	1/2	2,947.61	1/2	3,307.77
3/4	83.15	3/4	444.25	3/4	791.92	3/4	1,151.94	3/4	1,512.77	3/4	1,872.64	3/4	2,233.61	3/4	2,594.58	3/4	2,955.12	3/4	3,315.28
3	90.68	3	451.77	3	799.16	3	1,159.45	3	1,520.29	3	1,880.14	3	2,241.13	3	2,602.09	3	2,962.63	3	3,322.79
1/4	98.20	1/4	459.14	1/4	806.54	1/4	1,166.97	1/4	1,527.79	1/4	1,887.66	1/4	2,248.66	1/4	2,609.60	1/4	2,970.14	1/4	3,329.32
1/2	105.72	1/2	466.52	1/2	813.92	1/2	1,174.49	1/2	1,535.28	1/2	1,895.18	1/2	2,256.18	1/2	2,617.11	1/2	2,977.66	1/2	3,335.84
3/4	113.24	3/4	473.89	3/4	821.31	3/4	1,182.01	3/4	1,542.78	3/4	1,902.70	3/4	2,263.70	3/4	2,624.62	3/4	2,985.17	3/4	3,342.37
4	120.77	4	481.26	4	828.69	4	1,189.52	4	1,550.28	4	1,910.22	4	2,271.22	4	2,632.14	4	2,992.68	4	3,348.89
1/4	128.29	1/4	488.50	1/4	836.21	1/4	1,197.04	1/4	1,557.77	1/4	1,917.74	1/4	2,278.74	1/4	2,639.65	1/4	3,000.18	1/4	3,354.43
1/2	135.81	1/2	495.73	1/2	843.72	1/2	1,204.56	1/2	1,565.27	1/2	1,925.27	1/2	2,286.26	1/2	2,647.16	1/2	3,007.68	1/2	3,359.96
3/4	143.34	3/4	502.97	3/4	851.24	3/4	1,212.08	3/4	1,572.77	3/4	1,932.79	3/4	2,293.78	3/4	2,654.67	3/4	3,015.18	3/4	3,365.50
5	150.86	5	510.21	5	858.76	5	1,219.59	5	1,580.26	5	1,940.31	5	2,301.30	5	2,662.18	5	3,022.68	5	3,371.03
1/4	158.38	1/4	517.43	1/4	866.28	1/4	1,227.11	1/4	1,587.76	1/4	1,947.83	1/4	2,308.82	1/4	2,669.69	1/4	3,030.18	1/4	3,376.57
1/2	165.90	1/2	524.66	1/2	873.79	1/2	1,234.63	1/2	1,595.26	1/2	1,955.35	1/2	2,316.34	1/2	2,677.20	1/2	3,037.68	1/2	3,382.10
3/4	173.43	3/4	531.89	3/4	881.31	3/4	1,242.15	3/4	1,602.76	3/4	1,962.87	3/4	2,323.86	3/4	2,684.71	3/4	3,045.18	3/4	3,387.64
6	180.95	6	539.11	6	888.83	6	1,249.66	6	1,610.25	6	1,970.39	6	2,331.38	6	2,692.23	6	3,052.69	6	3,393.18
1/4	188.47	1/4	546.33	1/4	896.35	1/4	1,257.18	1/4	1,617.75	1/4	1,977.91	1/4	2,338.90	1/4	2,699.74	1/4	3,060.19	1/4	3,398.71
1/2	196.00	1/2	553.56	1/2	903.86	1/2	1,264.70	1/2	1,625.25	1/2	1,985.43	1/2	2,346.42	1/2	2,707.25	1/2	3,067.69	1/2	3,404.25
3/4	203.52	3/4	560.78	3/4	911.38	3/4	1,272.22	3/4	1,632.74	3/4	1,992.95	3/4	2,353.95	3/4	2,714.76	3/4	3,075.19	3/4	3,409.78
7	211.04	7	568.00	7	918.90	7	1,279.73	7	1,640.24	7	2,000.47	7	2,361.47	7	2,722.27	7	3,082.69	7	3,415.32
1/4	218.56	1/4	575.22	1/4	926.42	1/4	1,287.25	1/4	1,647.74	1/4	2,007.99	1/4	2,368.99	1/4	2,729.78	1/4	3,090.19	1/4	3,420.86
1/2	226.09	1/2	582.44	1/2	933.93	1/2	1,294.77	1/2	1,655.23	1/2	2,015.51	1/2	2,376.51	1/2	2,737.29	1/2	3,097.69	1/2	3,426.41
3/4	233.61	3/4	589.66	3/4	941.45	3/4	1,302.29	3/4	1,662.73	3/4	2,023.03	3/4	2,384.03	3/4	2,744.81	3/4	3,105.19	3/4	3,431.96
8	241.13	8	596.88	8	948.97	8	1,309.80	8	1,670.23	8	2,030.55	8	2,391.55	8	2,752.32	8	3,112.69	8	3,437.50
1/4	248.66	1/4	604.10	1/4	956.48	1/4	1,317.32	1/4	1,677.72	1/4	2,038.08	1/4	2,399.07	1/4	2,759.83	1/4	3,120.19	1/4	3,443.05
1/2	256.18	1/2	611.32	1/2	964.00	1/2	1,324.84	1/2	1,685.22	1/2	2,045.60	1/2	2,406.59	1/2	2,767.34	1/2	3,127.69	1/2	3,448.59
3/4	263.70	3/4	618.54	3/4	971.52	3/4	1,332.35	3/4	1,692.72	3/4	2,053.12	3/4	2,414.11	3/4	2,774.85	3/4	3,135.20	3/4	3,454.14
9	271.22	9	625.76	9	979.04	9	1,339.87	9	1,700.22	9	2,060.64	9	2,421.63	9	2,782.36	9	3,142.70	9	3,459.69
1/4	278.75	1/4	632.97	1/4	986.55	1/4	1,347.39	1/4	1,707.71	1/4	2,068.16	1/4	2,429.15	1/4	2,789.87	1/4	3,150.20	1/4	3,465.23
1/2	286.27	1/2	640.19	1/2	994.07	1/2	1,354.91	1/2	1,715.21	1/2	2,075.68	1/2	2,436.67	1/2	2,797.38	1/2	3,157.70	1/2	3,470.78
3/4	293.79	3/4	647.41	3/4	1,001.59	3/4	1,362.42	3/4	1,722.71	3/4	2,083.20	3/4	2,444.19	3/4	2,804.90	3/4	3,165.20	3/4	3,476.32
10	301.31	10	654.63	10	1,009.11	10	1,369.94	10	1,730.20	10	2,090.72	10	2,451.71	10	2,812.41	10	3,172.70	10	3,481.87
1/4	308.84	1/4	661.85	1/4	1,016.62	1/4	1,377.46	1/4	1,737.70	1/4	2,098.24	1/4	2,459.23	1/4	2,819.92	1/4	3,180.20	1/4	3,487.40
1/2	316.36	1/2	669.07	1/2	1,024.14	1/2	1,384.98	1/2	1,745.20	1/2	2,105.76	1/2	2,466.76	1/2	2,827.43	1/2	3,187.70	1/2	3,492.92
3/4	323.88	3/4	676.29	3/4	1,031.66	3/4	1,392.49	3/4	1,752.69	3/4	2,113.28	3/4	2,474.28	3/4	2,834.94	3/4	3,195.20	3/4	3,498.45
11	331.41	11	683.51	11	1,039.18	11	1,400.01	11	1,760.19	11	2,120.80	11	2,481.80	11	2,842.45	11	3,202.70	11	3,503.98
1/4	338.93	1/4	690.74	1/4	1,046.69	1/4	1,407.53	1/4	1,767.69	1/4	2,128.32	1/4	2,489.32	1/4	2,849.96	1/4	3,210.20	1/4	3,509.47
1/2	346.45	1/2	697.96	1/2	1,054.21	1/2	1,415.05	1/2	1,775.18	1/2	2,135.84	1/2	2,496.84	1/2	2,857.47	1/2	3,217.71	1/2	3,514.96
3/4	353.97	3/4	705.18	3/4	1,061.73	3/4	1,422.56	3/4	1,782.68	3/4	2,143.37	3/4	2,504.36	3/4	2,864.99	3/4	3,225.21	3/4	3,520.46

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

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

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



BARGE "CTCo 356"

3 PORT INNAGE TABLE HERMETIC

GAUGE HEIGHT 14'-9 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,525.95	0	3,776.58	0	4,004.14	0	4,208.64	0		0		0		0		0		0	
1/4	3,531.40	1/4	3,781.53	1/4	4,008.61	1/4	4,212.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,536.85	1/2	3,786.48	1/2	4,013.07	1/2	4,216.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,542.30	3/4	3,791.43	3/4	4,017.54	3/4	4,220.68	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,547.75	1	3,796.38	1	4,022.00	1	4,224.70	1		1		1		1		1		1	
1/4	3,553.16	1/4	3,801.30	1/4	4,026.43	1/4	4,228.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,558.58	1/2	3,806.23	1/2	4,030.86	1/2	4,232.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,563.99	3/4	3,811.15	3/4	4,035.29	3/4	4,236.65	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,569.41	2	3,816.07	2	4,039.72	2	4,240.64	2		2		2		2		2		2	
1/4	3,574.79	1/4	3,820.95	1/4	4,044.11	1/4	4,244.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,580.18	1/2	3,825.83	1/2	4,048.50	1/2	4,248.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,585.56	3/4	3,830.72	3/4	4,052.89	3/4	4,252.45	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,590.95	3	3,835.60	3	4,057.27	3	4,256.38	3		3		3		3		3		3	
1/4	3,596.28	1/4	3,840.44	1/4	4,061.62	1/4	4,260.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,601.62	1/2	3,845.29	1/2	4,065.98	1/2	4,264.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,606.96	3/4	3,850.13	3/4	4,070.33	3/4	4,268.10	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,612.30	4	3,854.98	4	4,074.68	4	4,272.00	4		4		4		4		4		4	
1/4	3,617.60	1/4	3,859.79	1/4	4,078.99	1/4	4,277.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,622.90	1/2	3,864.61	1/2	4,083.30	1/2	4,282.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,628.21	3/4	3,869.42	3/4	4,087.61	3/4	4,288.45	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,633.51	5	3,874.24	5	4,091.92	5	4,293.93	5		5		5		5		5		5	
1/4	3,638.74	1/4	3,879.01	1/4	4,096.20	1/4	4,299.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,643.96	1/2	3,883.78	1/2	4,100.48	1/2	4,304.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,649.19	3/4	3,888.54	3/4	4,104.77	3/4	4,310.38	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,654.41	6	3,893.31	6	4,109.05	6	4,315.86	6		6		6		6		6		6	
1/4	3,659.61	1/4	3,898.05	1/4	4,113.30	1/4	4,321.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,664.80	1/2	3,902.78	1/2	4,117.55	1/2	4,326.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,669.99	3/4	3,907.52	3/4	4,121.80	3/4	4,332.31	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,675.18	7	3,912.25	7	4,126.05	7	4,337.79	7		7		7		7		7		7	
1/4	3,680.33	1/4	3,916.94	1/4	4,130.26	1/4	4,343.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,685.47	1/2	3,921.63	1/2	4,134.46	1/2	4,348.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,690.62	3/4	3,926.32	3/4	4,138.67	3/4	4,354.32	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,695.77	8	3,931.01	8	4,142.87	8	4,359.84	8		8		8		8		8		8	
1/4	3,700.88	1/4	3,935.64	1/4	4,147.05	1/4	4,365.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,705.98	1/2	3,940.27	1/2	4,151.22	1/2	4,370.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,711.09	3/4	3,944.90	3/4	4,155.39	3/4	4,376.37	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,716.19	9	3,949.52	9	4,159.56	9	4,381.88	9		9		9		9		9		9	
1/4	3,721.27	1/4	3,954.11	1/4	4,163.69	1/4	4,388.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,726.34	1/2	3,958.69	1/2	4,167.82	1/2	4,394.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,731.42	3/4	3,963.28	3/4	4,171.94	3/4	4,401.38	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,736.49	10	3,967.86	10	4,176.07	10	4,407.88	10		10		10		10		10		10	
1/4	3,741.52	1/4	3,972.41	1/4	4,180.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,746.55	1/2	3,976.96	1/2	4,184.26	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,751.57	3/4	3,981.51	3/4	4,188.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,756.60	11	3,986.06	11	4,192.44	11		11		11		11		11		11		11	
1/4	3,761.60	1/4	3,990.58	1/4	4,196.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,766.59	1/2	3,995.10	1/2	4,200.54	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,771.59	3/4	3,999.62	3/4	4,204.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/09/2014 SW
CALCULATED: 05/09/2014 CL
PRINTED: 05/10/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2014

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



BARGE "CTCo 356"

3 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 14'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	15.47	0	361.19	0	712.94	0	1,069.98	0	1,430.72	0	1,788.72	0	2,149.46	0	2,509.73	0	2,870.26	0	3,230.88
1/4	20.17	1/4	368.71	1/4	720.19	1/4	1,077.50	1/4	1,438.18	1/4	1,796.23	1/4	2,156.97	1/4	2,517.23	1/4	2,877.78	1/4	3,238.40
1/2	24.88	1/2	376.22	1/2	727.43	1/2	1,085.02	1/2	1,445.64	1/2	1,803.75	1/2	2,164.49	1/2	2,524.73	1/2	2,885.29	1/2	3,245.91
3/4	29.58	3/4	383.74	3/4	734.68	3/4	1,092.53	3/4	1,453.09	3/4	1,811.26	3/4	2,172.00	3/4	2,532.22	3/4	2,892.80	3/4	3,253.43
1	34.29	1	391.25	1	741.93	1	1,100.05	1	1,460.55	1	1,818.78	1	2,179.52	1	2,539.72	1	2,900.31	1	3,260.94
1/4	40.86	1/4	398.77	1/4	749.18	1/4	1,107.56	1/4	1,468.01	1/4	1,826.29	1/4	2,187.03	1/4	2,547.24	1/4	2,907.83	1/4	3,268.46
1/2	47.44	1/2	406.29	1/2	756.42	1/2	1,115.08	1/2	1,475.47	1/2	1,833.81	1/2	2,194.55	1/2	2,554.75	1/2	2,915.34	1/2	3,275.97
3/4	54.01	3/4	413.80	3/4	763.67	3/4	1,122.59	3/4	1,482.93	3/4	1,841.33	3/4	2,202.06	3/4	2,562.26	3/4	2,922.85	3/4	3,283.49
2	60.59	2	421.32	2	770.92	2	1,130.11	2	1,490.39	2	1,848.84	2	2,209.58	2	2,569.77	2	2,930.36	2	3,291.01
1/4	68.10	1/4	428.83	1/4	778.17	1/4	1,137.62	1/4	1,497.84	1/4	1,856.36	1/4	2,217.10	1/4	2,577.28	1/4	2,937.88	1/4	3,298.52
1/2	75.62	1/2	436.35	1/2	785.43	1/2	1,145.14	1/2	1,505.30	1/2	1,863.87	1/2	2,224.61	1/2	2,584.80	1/2	2,945.39	1/2	3,306.04
3/4	83.14	3/4	443.86	3/4	792.68	3/4	1,152.65	3/4	1,512.76	3/4	1,871.39	3/4	2,232.13	3/4	2,592.31	3/4	2,952.90	3/4	3,313.55
3	90.65	3	451.38	3	799.94	3	1,160.17	3	1,520.22	3	1,878.90	3	2,239.64	3	2,599.82	3	2,960.41	3	3,321.07
1/4	98.17	1/4	458.76	1/4	807.33	1/4	1,167.68	1/4	1,527.68	1/4	1,886.42	1/4	2,247.16	1/4	2,607.33	1/4	2,967.92	1/4	3,327.61
1/2	105.68	1/2	466.15	1/2	814.72	1/2	1,175.20	1/2	1,535.14	1/2	1,893.93	1/2	2,254.67	1/2	2,614.85	1/2	2,975.44	1/2	3,334.15
3/4	113.20	3/4	473.54	3/4	822.11	3/4	1,182.71	3/4	1,542.59	3/4	1,901.45	3/4	2,262.19	3/4	2,622.36	3/4	2,982.95	3/4	3,340.68
4	120.71	4	480.93	4	829.50	4	1,190.23	4	1,550.05	4	1,908.96	4	2,269.70	4	2,629.87	4	2,990.46	4	3,347.22
1/4	128.23	1/4	488.19	1/4	837.01	1/4	1,197.74	1/4	1,557.51	1/4	1,916.48	1/4	2,277.22	1/4	2,637.38	1/4	2,997.97	1/4	3,352.77
1/2	135.74	1/2	495.46	1/2	844.53	1/2	1,205.26	1/2	1,564.97	1/2	1,923.99	1/2	2,284.73	1/2	2,644.90	1/2	3,005.49	1/2	3,358.32
3/4	143.26	3/4	502.72	3/4	852.04	3/4	1,212.78	3/4	1,572.43	3/4	1,931.51	3/4	2,292.25	3/4	2,652.41	3/4	3,013.00	3/4	3,363.87
5	150.77	5	509.98	5	859.56	5	1,220.29	5	1,579.89	5	1,939.03	5	2,299.76	5	2,659.92	5	3,020.51	5	3,369.42
1/4	158.29	1/4	517.24	1/4	867.07	1/4	1,227.81	1/4	1,587.34	1/4	1,946.54	1/4	2,307.26	1/4	2,667.43	1/4	3,028.02	1/4	3,374.97
1/2	165.80	1/2	524.49	1/2	874.59	1/2	1,235.32	1/2	1,594.80	1/2	1,954.06	1/2	2,314.76	1/2	2,674.94	1/2	3,035.54	1/2	3,380.52
3/4	173.32	3/4	531.75	3/4	882.10	3/4	1,242.84	3/4	1,602.26	3/4	1,961.57	3/4	2,322.26	3/4	2,682.46	3/4	3,043.05	3/4	3,386.06
6	180.83	6	539.00	6	889.62	6	1,250.35	6	1,609.72	6	1,969.09	6	2,329.76	6	2,689.97	6	3,050.56	6	3,391.61
1/4	188.35	1/4	546.25	1/4	897.13	1/4	1,257.87	1/4	1,617.18	1/4	1,976.60	1/4	2,337.26	1/4	2,697.48	1/4	3,058.07	1/4	3,397.16
1/2	195.86	1/2	553.50	1/2	904.65	1/2	1,265.38	1/2	1,624.64	1/2	1,984.12	1/2	2,344.76	1/2	2,704.99	1/2	3,065.58	1/2	3,402.71
3/4	203.38	3/4	560.74	3/4	912.16	3/4	1,272.90	3/4	1,632.09	3/4	1,991.63	3/4	2,352.26	3/4	2,712.51	3/4	3,073.10	3/4	3,408.26
7	210.89	7	567.99	7	919.68	7	1,280.41	7	1,639.55	7	1,999.15	7	2,359.75	7	2,720.02	7	3,080.61	7	3,413.81
1/4	218.41	1/4	575.24	1/4	927.19	1/4	1,287.93	1/4	1,647.01	1/4	2,006.66	1/4	2,367.25	1/4	2,727.53	1/4	3,088.12	1/4	3,419.36
1/2	225.92	1/2	582.49	1/2	934.71	1/2	1,295.44	1/2	1,654.47	1/2	2,014.18	1/2	2,374.75	1/2	2,735.04	1/2	3,095.63	1/2	3,424.91
3/4	233.44	3/4	589.73	3/4	942.22	3/4	1,302.96	3/4	1,661.93	3/4	2,021.70	3/4	2,382.25	3/4	2,742.56	3/4	3,103.15	3/4	3,430.46
8	240.95	8	596.98	8	949.74	8	1,310.47	8	1,669.38	8	2,029.21	8	2,389.75	8	2,750.07	8	3,110.66	8	3,436.01
1/4	248.47	1/4	604.23	1/4	957.26	1/4	1,317.99	1/4	1,676.84	1/4	2,036.73	1/4	2,397.25	1/4	2,757.58	1/4	3,118.17	1/4	3,441.55
1/2	255.98	1/2	611.48	1/2	964.77	1/2	1,325.51	1/2	1,684.30	1/2	2,044.24	1/2	2,404.75	1/2	2,765.09	1/2	3,125.68	1/2	3,447.10
3/4	263.50	3/4	618.72	3/4	972.29	3/4	1,333.02	3/4	1,691.76	3/4	2,051.76	3/4	2,412.25	3/4	2,772.60	3/4	3,133.19	3/4	3,452.65
9	271.01	9	625.97	9	979.80	9	1,340.54	9	1,699.22	9	2,059.27	9	2,419.74	9	2,780.12	9	3,140.71	9	3,458.20
1/4	278.53	1/4	633.22	1/4	987.32	1/4	1,348.05	1/4	1,706.68	1/4	2,066.79	1/4	2,427.24	1/4	2,787.63	1/4	3,148.22	1/4	3,463.75
1/2	286.04	1/2	640.46	1/2	994.83	1/2	1,355.57	1/2	1,714.13	1/2	2,074.30	1/2	2,434.74	1/2	2,795.14	1/2	3,155.73	1/2	3,469.30
3/4	293.56	3/4	647.71	3/4	1,002.35	3/4	1,363.08	3/4	1,721.59	3/4	2,081.82	3/4	2,442.24	3/4	2,802.65	3/4	3,163.24	3/4	3,474.85
10	301.07	10	654.96	10	1,009.86	10	1,370.60	10	1,729.05	10	2,089.33	10	2,449.74	10	2,810.17	10	3,170.76	10	3,480.40
1/4	308.59	1/4	662.20	1/4	1,017.38	1/4	1,378.11	1/4	1,736.51	1/4	2,096.85	1/4	2,457.24	1/4	2,817.68	1/4	3,178.27	1/4	3,485.93
1/2	316.10	1/2	669.45	1/2	1,024.89	1/2	1,385.63	1/2	1,743.97	1/2	2,104.36	1/2	2,464.74	1/2	2,825.19	1/2	3,185.79	1/2	3,491.46
3/4	323.62	3/4	676.70	3/4	1,032.41	3/4	1,393.14	3/4	1,751.43	3/4	2,111.88	3/4	2,472.23	3/4	2,832.70	3/4	3,193.30	3/4	3,496.99
11	331.13	11	683.95	11	1,039.92	11	1,400.66	11	1,758.88	11	2,119.40	11	2,479.73	11	2,840.22	11	3,200.82	11	3,502.52
1/4	338.65	1/4	691.19	1/4	1,047.44	1/4	1,408.17	1/4	1,766.34	1/4	2,126.91	1/4	2,487.23	1/4	2,847.73	1/4	3,208.33	1/4	3,508.02
1/2	346.16	1/2	698.44	1/2	1,054.95	1/2	1,415.69	1/2	1,773.80	1/2	2,134.43	1/2	2,494.73	1/2	2,855.24	1/2	3,215.85	1/2	3,513.52
3/4	353.68	3/4	705.69	3/4	1,062.47	3/4	1,423.20	3/4	1,781.26	3/4	2,141.94	3/4	2,502.23	3/4	2,862.75	3/4	3,223.37	3/4	3,519.01

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 356"

3 STBD INNAGE TABLE HERMETIC

GAUGE HEIGHT 14'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,524.51	0	3,776.42	0	4,006.29	0	4,214.11	0		0		0		0		0		0	
1/4	3,529.96	1/4	3,781.41	1/4	4,010.83	1/4	4,218.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,535.42	1/2	3,786.41	1/2	4,015.36	1/2	4,222.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,540.87	3/4	3,791.41	3/4	4,019.90	3/4	4,226.35	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,546.33	1	3,796.40	1	4,024.44	1	4,230.43	1		1		1		1		1		1	
1/4	3,551.75	1/4	3,801.36	1/4	4,028.95	1/4	4,234.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,557.16	1/2	3,806.33	1/2	4,033.45	1/2	4,238.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,562.58	3/4	3,811.29	3/4	4,037.96	3/4	4,242.58	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,568.00	2	3,816.25	2	4,042.46	2	4,246.63	2		2		2		2		2		2	
1/4	3,573.39	1/4	3,821.17	1/4	4,046.92	1/4	4,250.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,578.78	1/2	3,826.09	1/2	4,051.38	1/2	4,254.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,584.17	3/4	3,831.01	3/4	4,055.84	3/4	4,258.64	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,589.56	3	3,835.92	3	4,060.30	3	4,262.65	3		3		3		3		3		3	
1/4	3,594.90	1/4	3,840.81	1/4	4,064.73	1/4	4,266.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,600.24	1/2	3,845.69	1/2	4,069.16	1/2	4,270.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,605.58	3/4	3,850.58	3/4	4,073.58	3/4	4,274.56	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,610.92	4	3,855.46	4	4,078.01	4	4,278.53	4		4		4		4		4		4	
1/4	3,616.23	1/4	3,860.31	1/4	4,082.39	1/4	4,284.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,621.54	1/2	3,865.17	1/2	4,086.78	1/2	4,289.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,626.85	3/4	3,870.02	3/4	4,091.16	3/4	4,295.17	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,632.16	5	3,874.87	5	4,095.54	5	4,300.72	5		5		5		5		5		5	
1/4	3,637.42	1/4	3,879.68	1/4	4,099.89	1/4	4,306.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,642.68	1/2	3,884.48	1/2	4,104.24	1/2	4,311.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,647.95	3/4	3,889.29	3/4	4,108.59	3/4	4,317.37	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,653.21	6	3,894.10	6	4,112.94	6	4,322.92	6		6		6		6		6		6	
1/4	3,658.44	1/4	3,898.87	1/4	4,117.25	1/4	4,328.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,663.67	1/2	3,903.64	1/2	4,121.57	1/2	4,334.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,668.90	3/4	3,908.41	3/4	4,125.89	3/4	4,339.56	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,674.13	7	3,913.19	7	4,130.21	7	4,345.11	7		7		7		7		7		7	
1/4	3,679.31	1/4	3,917.92	1/4	4,134.48	1/4	4,350.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,684.50	1/2	3,922.64	1/2	4,138.75	1/2	4,356.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,689.69	3/4	3,927.37	3/4	4,143.02	3/4	4,361.76	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,694.87	8	3,932.10	8	4,147.29	8	4,367.31	8		8		8		8		8		8	
1/4	3,700.02	1/4	3,936.80	1/4	4,151.53	1/4	4,372.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,705.18	1/2	3,941.49	1/2	4,155.77	1/2	4,378.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,710.33	3/4	3,946.18	3/4	4,160.00	3/4	4,383.96	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,715.48	9	3,950.88	9	4,164.24	9	4,389.51	9		9		9		9		9		9	
1/4	3,720.60	1/4	3,955.53	1/4	4,168.43	1/4	4,396.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,725.72	1/2	3,960.18	1/2	4,172.63	1/2	4,402.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,730.84	3/4	3,964.83	3/4	4,176.82	3/4	4,409.12	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,735.96	10	3,969.48	10	4,181.01	10	4,415.66	10		10		10		10		10		10	
1/4	3,741.04	1/4	3,974.10	1/4	4,185.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,746.11	1/2	3,978.71	1/2	4,189.33	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,751.18	3/4	3,983.33	3/4	4,193.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,756.26	11	3,987.94	11	4,197.65	11		11		11		11		11		11		11	
1/4	3,761.30	1/4	3,992.53	1/4	4,201.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,766.34	1/2	3,997.12	1/2	4,205.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,771.38	3/4	4,001.70	3/4	4,209.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/09/2014 SW
CALCULATED: 05/09/2014 CL
PRINTED: 05/10/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2014

PRECISION MEASUREMENT
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