



# BARGE "CTCo 359"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-1/8	- 01-1/8	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	01-1/8	- 01-1/8	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	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-3/8	- 01-3/8
2 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	01-1/8	- 01-1/8	01-3/8	- 01-3/8
3 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2
3 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	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 ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 237'-06"

August 15, 2014

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "CTCo 359"

**1 PORT**  
**ULLAGE 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	1,444.40	0	1,113.17	0	788.81	0	487.74	0	209.90	0		0		0		0		0	
1/4	1,437.50	1/4	1,106.27	1/4	782.29	1/4	481.75	1/4	204.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,430.60	1/2	1,099.37	1/2	775.77	1/2	475.75	1/2	198.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,423.70	3/4	1,092.46	3/4	769.25	3/4	469.75	3/4	193.23	3/4		3/4		3/4		3/4		3/4	
1	1,416.80	1	1,085.56	1	762.77	1	463.79	1	187.72	1		1		1		1		1	
1/4	1,409.90	1/4	1,078.66	1/4	756.29	1/4	457.84	1/4	182.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,403.00	1/2	1,071.76	1/2	749.81	1/2	451.88	1/2	176.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,396.10	3/4	1,064.86	3/4	743.33	3/4	445.92	3/4	171.17	3/4		3/4		3/4		3/4		3/4	
2	1,389.19	2	1,057.96	2	736.90	2	440.00	2	165.69	2		2		2		2		2	
1/4	1,382.29	1/4	1,051.06	1/4	730.46	1/4	434.08	1/4	160.21	1/4		1/4		1/4		1/4		1/4	
1/2	1,375.39	1/2	1,044.16	1/2	724.02	1/2	428.17	1/2	154.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,368.49	3/4	1,037.26	3/4	717.58	3/4	422.25	3/4	149.26	3/4		3/4		3/4		3/4		3/4	
3	1,361.59	3	1,030.38	3	711.18	3	416.37	3	143.82	3		3		3		3		3	
1/4	1,354.69	1/4	1,023.50	1/4	704.78	1/4	410.49	1/4	138.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,347.79	1/2	1,016.62	1/2	698.38	1/2	404.61	1/2	132.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,340.89	3/4	1,009.74	3/4	691.98	3/4	398.73	3/4	127.51	3/4		3/4		3/4		3/4		3/4	
4	1,333.99	4	1,002.90	4	685.62	4	392.89	4	122.12	4		4		4		4		4	
1/4	1,327.09	1/4	996.06	1/4	679.26	1/4	387.04	1/4	116.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,320.19	1/2	989.21	1/2	672.90	1/2	381.20	1/2	111.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,313.29	3/4	982.37	3/4	666.54	3/4	375.35	3/4	105.93	3/4		3/4		3/4		3/4		3/4	
5	1,306.39	5	975.57	5	660.22	5	369.54	5	100.57	5		5		5		5		5	
1/4	1,299.49	1/4	968.77	1/4	653.90	1/4	363.73	1/4	95.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,292.58	1/2	961.97	1/2	647.59	1/2	357.91	1/2	89.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,285.68	3/4	955.17	3/4	641.27	3/4	352.10	3/4	84.50	3/4		3/4		3/4		3/4		3/4	
6	1,278.78	6	948.41	6	634.99	6	346.33	6	79.19	6		6		6		6		6	
1/4	1,271.88	1/4	941.65	1/4	628.71	1/4	340.55	1/4	73.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,264.98	1/2	934.89	1/2	622.43	1/2	334.78	1/2	68.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,258.08	3/4	928.13	3/4	616.15	3/4	329.00	3/4	63.24	3/4		3/4		3/4		3/4		3/4	
7	1,251.18	7	921.41	7	609.94	7	323.25	7	57.96	7		7		7		7		7	
1/4	1,244.28	1/4	914.69	1/4	603.74	1/4	317.49	1/4	52.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,237.38	1/2	907.97	1/2	597.53	1/2	311.73	1/2	47.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,230.48	3/4	901.25	3/4	591.33	3/4	305.97	3/4	42.13	3/4		3/4		3/4		3/4		3/4	
8	1,223.58	8	894.57	8	585.17	8	300.26	8	37.76	8		8		8		8		8	
1/4	1,216.68	1/4	887.89	1/4	579.01	1/4	294.54	1/4	33.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,209.78	1/2	881.21	1/2	572.85	1/2	288.82	1/2	29.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,202.88	3/4	874.53	3/4	566.69	3/4	283.11	3/4	24.64	3/4		3/4		3/4		3/4		3/4	
9	1,195.97	9	867.89	9	560.57	9	277.43	9	22.03	9		9		9		9		9	
1/4	1,189.07	1/4	861.25	1/4	554.45	1/4	271.75	1/4	19.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,182.17	1/2	854.61	1/2	548.33	1/2	266.07	1/2	16.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,175.27	3/4	847.97	3/4	542.21	3/4	260.40	3/4	14.20	3/4		3/4		3/4		3/4		3/4	
10	1,168.37	10	841.37	10	536.13	10	254.76	10		10		10		10		10		10	
1/4	1,161.47	1/4	834.77	1/4	530.06	1/4	249.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,154.57	1/2	828.17	1/2	523.98	1/2	243.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,147.67	3/4	821.57	3/4	517.90	3/4	237.85	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,140.77	11	815.01	11	511.86	11	232.25	11		11		11		11		11		11	
1/4	1,133.87	1/4	808.45	1/4	505.82	1/4	226.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,126.97	1/2	801.89	1/2	499.78	1/2	221.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,120.07	3/4	795.33	3/4	493.74	3/4	215.46	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/15/2014 SW  
 CALCULATED: 08/16/2014 CL  
 PRINTED: 08/17/2014 SW

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 08/2014

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CTCo 359"

1 STBD

ULLAGE 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	1,452.11	0	1,120.92	0	796.24	0	494.24	0	215.38	0		0		0		0		0	
1/4	1,445.21	1/4	1,114.03	1/4	789.72	1/4	488.22	1/4	209.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,438.31	1/2	1,107.13	1/2	783.20	1/2	482.20	1/2	204.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,431.41	3/4	1,100.23	3/4	776.68	3/4	476.18	3/4	198.71	3/4		3/4		3/4		3/4		3/4	
1	1,424.51	1	1,093.33	1	770.17	1	470.16	1	193.16	1		1		1		1		1	
1/4	1,417.61	1/4	1,086.43	1/4	763.69	1/4	464.18	1/4	187.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,410.71	1/2	1,079.53	1/2	757.21	1/2	458.20	1/2	182.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,403.81	3/4	1,072.63	3/4	750.73	3/4	452.22	3/4	176.61	3/4		3/4		3/4		3/4		3/4	
2	1,396.91	2	1,065.73	2	744.25	2	446.24	2	171.10	2		2		2		2		2	
1/4	1,390.01	1/4	1,058.83	1/4	737.82	1/4	440.30	1/4	165.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,383.11	1/2	1,051.93	1/2	731.38	1/2	434.36	1/2	160.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,376.21	3/4	1,045.03	3/4	724.94	3/4	428.42	3/4	154.68	3/4		3/4		3/4		3/4		3/4	
3	1,369.31	3	1,038.13	3	718.50	3	422.48	3	149.20	3		3		3		3		3	
1/4	1,362.41	1/4	1,031.25	1/4	712.10	1/4	416.58	1/4	143.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,355.51	1/2	1,024.37	1/2	705.70	1/2	410.68	1/2	138.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,348.61	3/4	1,017.49	3/4	699.31	3/4	404.78	3/4	132.90	3/4		3/4		3/4		3/4		3/4	
4	1,341.72	4	1,010.61	4	692.91	4	398.88	4	127.46	4		4		4		4		4	
1/4	1,334.82	1/4	1,003.77	1/4	686.55	1/4	393.01	1/4	122.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,327.92	1/2	996.93	1/2	680.19	1/2	387.14	1/2	116.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,321.02	3/4	990.09	3/4	673.84	3/4	381.28	3/4	111.28	3/4		3/4		3/4		3/4		3/4	
5	1,314.12	5	983.25	5	667.48	5	375.41	5	105.89	5		5		5		5		5	
1/4	1,307.22	1/4	976.45	1/4	661.16	1/4	369.57	1/4	100.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,300.32	1/2	969.65	1/2	654.84	1/2	363.74	1/2	95.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,293.42	3/4	962.85	3/4	648.52	3/4	357.90	3/4	89.82	3/4		3/4		3/4		3/4		3/4	
6	1,286.52	6	956.05	6	642.21	6	352.07	6	84.47	6		6		6		6		6	
1/4	1,279.62	1/4	949.29	1/4	635.93	1/4	346.27	1/4	79.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,272.72	1/2	942.54	1/2	629.65	1/2	340.47	1/2	73.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,265.82	3/4	935.78	3/4	623.37	3/4	334.68	3/4	68.53	3/4		3/4		3/4		3/4		3/4	
7	1,258.92	7	929.02	7	617.10	7	328.88	7	63.21	7		7		7		7		7	
1/4	1,252.02	1/4	922.30	1/4	610.87	1/4	323.13	1/4	57.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,245.12	1/2	915.58	1/2	604.64	1/2	317.37	1/2	52.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,238.22	3/4	908.86	3/4	598.41	3/4	311.62	3/4	47.39	3/4		3/4		3/4		3/4		3/4	
8	1,231.32	8	902.14	8	592.18	8	305.86	8	42.12	8		8		8		8		8	
1/4	1,224.42	1/4	895.46	1/4	586.00	1/4	300.15	1/4	37.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,217.52	1/2	888.78	1/2	579.82	1/2	294.43	1/2	33.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,210.62	3/4	882.10	3/4	573.64	3/4	288.71	3/4	29.00	3/4		3/4		3/4		3/4		3/4	
9	1,203.72	9	875.42	9	567.46	9	283.00	9	24.63	9		9		9		9		9	
1/4	1,196.82	1/4	868.79	1/4	561.31	1/4	277.32	1/4	22.02	1/4		1/4		1/4		1/4		1/4	
1/2	1,189.92	1/2	862.15	1/2	555.17	1/2	271.65	1/2	19.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,183.02	3/4	855.51	3/4	549.03	3/4	265.97	3/4	16.81	3/4		3/4		3/4		3/4		3/4	
10	1,176.12	10	848.87	10	542.89	10	260.30	10	14.20	10		10		10		10		10	
1/4	1,169.22	1/4	842.27	1/4	536.79	1/4	254.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,162.32	1/2	835.67	1/2	530.69	1/2	249.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,155.42	3/4	829.07	3/4	524.59	3/4	243.39	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,148.52	11	822.47	11	518.49	11	237.76	11		11		11		11		11		11	
1/4	1,141.62	1/4	815.92	1/4	512.42	1/4	232.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,134.72	1/2	809.36	1/2	506.36	1/2	226.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,127.82	3/4	802.80	3/4	500.30	3/4	220.97	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/15/2014 SW  
 CALCULATED: 08/16/2014 CL  
 PRINTED: 08/17/2014 SW

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 08/2014

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





# BARGE "CTCo 359"

## 2 PORT ULLAGE 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	1,852.48	0	1,464.45	0	1,076.43	0	695.75	0	315.67	0		0		0		0		0	
1/4	1,844.40	1/4	1,456.37	1/4	1,068.34	1/4	687.99	1/4	307.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,836.31	1/2	1,448.29	1/2	1,060.26	1/2	680.23	1/2	299.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,828.23	3/4	1,440.20	3/4	1,052.18	3/4	672.47	3/4	291.42	3/4		3/4		3/4		3/4		3/4	
1	1,820.15	1	1,432.12	1	1,044.09	1	664.71	1	283.33	1		1		1		1		1	
1/4	1,812.06	1/4	1,424.04	1/4	1,036.01	1/4	656.95	1/4	275.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,803.98	1/2	1,415.95	1/2	1,027.92	1/2	649.19	1/2	267.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,795.89	3/4	1,407.87	3/4	1,019.84	3/4	641.43	3/4	259.08	3/4		3/4		3/4		3/4		3/4	
2	1,787.81	2	1,399.78	2	1,011.76	2	633.67	2	251.00	2		2		2		2		2	
1/4	1,779.73	1/4	1,391.70	1/4	1,003.67	1/4	625.90	1/4	242.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,771.64	1/2	1,383.62	1/2	995.59	1/2	618.14	1/2	234.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,763.56	3/4	1,375.53	3/4	987.50	3/4	610.38	3/4	226.75	3/4		3/4		3/4		3/4		3/4	
3	1,755.48	3	1,367.45	3	979.42	3	602.62	3	218.67	3		3		3		3		3	
1/4	1,747.39	1/4	1,359.36	1/4	971.34	1/4	594.86	1/4	210.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,739.31	1/2	1,351.28	1/2	963.25	1/2	587.09	1/2	202.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,731.22	3/4	1,343.20	3/4	955.17	3/4	579.33	3/4	194.41	3/4		3/4		3/4		3/4		3/4	
4	1,723.14	4	1,335.11	4	947.09	4	571.56	4	186.33	4		4		4		4		4	
1/4	1,715.06	1/4	1,327.03	1/4	939.00	1/4	563.80	1/4	178.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,706.97	1/2	1,318.94	1/2	930.92	1/2	556.03	1/2	170.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,698.89	3/4	1,310.86	3/4	922.83	3/4	548.26	3/4	162.08	3/4		3/4		3/4		3/4		3/4	
5	1,690.80	5	1,302.78	5	914.75	5	540.48	5	154.00	5		5		5		5		5	
1/4	1,682.72	1/4	1,294.69	1/4	906.67	1/4	532.70	1/4	145.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,674.64	1/2	1,286.61	1/2	898.58	1/2	524.93	1/2	137.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,666.55	3/4	1,278.53	3/4	890.50	3/4	517.15	3/4	129.75	3/4		3/4		3/4		3/4		3/4	
6	1,658.47	6	1,270.44	6	882.57	6	509.22	6	121.66	6		6		6		6		6	
1/4	1,650.38	1/4	1,262.36	1/4	874.64	1/4	501.29	1/4	113.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,642.30	1/2	1,254.27	1/2	866.71	1/2	493.36	1/2	105.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,634.22	3/4	1,246.19	3/4	858.78	3/4	485.42	3/4	97.41	3/4		3/4		3/4		3/4		3/4	
7	1,626.13	7	1,238.11	7	851.01	7	477.34	7	89.33	7		7		7		7		7	
1/4	1,618.05	1/4	1,230.02	1/4	843.24	1/4	469.26	1/4	81.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,609.97	1/2	1,221.94	1/2	835.47	1/2	461.17	1/2	73.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,601.88	3/4	1,213.85	3/4	827.70	3/4	453.09	3/4	65.08	3/4		3/4		3/4		3/4		3/4	
8	1,593.80	8	1,205.77	8	819.94	8	445.01	8	58.00	8		8		8		8		8	
1/4	1,585.71	1/4	1,197.69	1/4	812.18	1/4	436.92	1/4	50.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,577.63	1/2	1,189.60	1/2	804.42	1/2	428.84	1/2	43.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,569.55	3/4	1,181.52	3/4	796.65	3/4	420.76	3/4	36.78	3/4		3/4		3/4		3/4		3/4	
9	1,561.46	9	1,173.43	9	788.89	9	412.67	9	31.73	9		9		9		9		9	
1/4	1,553.38	1/4	1,165.35	1/4	781.13	1/4	404.59	1/4	26.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,545.29	1/2	1,157.27	1/2	773.37	1/2	396.50	1/2	21.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,537.21	3/4	1,149.18	3/4	765.61	3/4	388.42	3/4	16.57	3/4		3/4		3/4		3/4		3/4	
10	1,529.13	10	1,141.10	10	757.84	10	380.34	10		10		10		10		10		10	
1/4	1,521.04	1/4	1,133.01	1/4	750.08	1/4	372.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,512.96	1/2	1,124.93	1/2	742.32	1/2	364.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,504.87	3/4	1,116.85	3/4	734.56	3/4	356.09	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,496.79	11	1,108.76	11	726.80	11	348.00	11		11		11		11		11		11	
1/4	1,488.71	1/4	1,100.68	1/4	719.04	1/4	339.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,480.62	1/2	1,092.60	1/2	711.27	1/2	331.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,472.54	3/4	1,084.51	3/4	703.51	3/4	323.75	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/15/2014 SW  
CALCULATED: 08/16/2014 CL  
PRINTED: 08/17/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2014

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







# BARGE "CTCo 359"

2 STBD

ULLAGE 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	1,876.10	0	1,487.90	0	1,099.70	0	711.79	0	323.89	0		0		0		0		0	
1/4	1,868.01	1/4	1,479.81	1/4	1,091.61	1/4	703.72	1/4	315.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,859.92	1/2	1,471.72	1/2	1,083.52	1/2	695.65	1/2	307.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,851.84	3/4	1,463.64	3/4	1,075.44	3/4	687.58	3/4	299.63	3/4		3/4		3/4		3/4		3/4	
1	1,843.75	1	1,455.55	1	1,067.35	1	679.50	1	291.54	1		1		1		1		1	
1/4	1,835.66	1/4	1,447.46	1/4	1,059.26	1/4	671.43	1/4	283.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,827.57	1/2	1,439.37	1/2	1,051.17	1/2	663.36	1/2	275.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,819.49	3/4	1,431.29	3/4	1,043.09	3/4	655.29	3/4	267.28	3/4		3/4		3/4		3/4		3/4	
2	1,811.40	2	1,423.20	2	1,035.00	2	647.22	2	259.19	2		2		2		2		2	
1/4	1,803.31	1/4	1,415.11	1/4	1,026.91	1/4	639.15	1/4	251.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,795.22	1/2	1,407.02	1/2	1,018.82	1/2	631.08	1/2	243.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,787.14	3/4	1,398.94	3/4	1,010.74	3/4	623.01	3/4	234.93	3/4		3/4		3/4		3/4		3/4	
3	1,779.05	3	1,390.85	3	1,002.65	3	614.93	3	226.84	3		3		3		3		3	
1/4	1,770.96	1/4	1,382.76	1/4	994.56	1/4	606.86	1/4	218.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,762.87	1/2	1,374.67	1/2	986.47	1/2	598.79	1/2	210.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,754.79	3/4	1,366.59	3/4	978.39	3/4	590.72	3/4	202.58	3/4		3/4		3/4		3/4		3/4	
4	1,746.70	4	1,358.50	4	970.30	4	582.65	4	194.49	4		4		4		4		4	
1/4	1,738.61	1/4	1,350.41	1/4	962.21	1/4	574.57	1/4	186.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,730.52	1/2	1,342.32	1/2	954.12	1/2	566.49	1/2	178.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,722.44	3/4	1,334.24	3/4	946.04	3/4	558.41	3/4	170.23	3/4		3/4		3/4		3/4		3/4	
5	1,714.35	5	1,326.15	5	937.95	5	550.33	5	162.14	5		5		5		5		5	
1/4	1,706.26	1/4	1,318.06	1/4	929.86	1/4	542.25	1/4	154.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,698.17	1/2	1,309.97	1/2	921.77	1/2	534.16	1/2	145.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,690.09	3/4	1,301.89	3/4	913.69	3/4	526.07	3/4	137.88	3/4		3/4		3/4		3/4		3/4	
6	1,682.00	6	1,293.80	6	905.60	6	517.99	6	129.80	6		6		6		6		6	
1/4	1,673.91	1/4	1,285.71	1/4	897.51	1/4	509.90	1/4	121.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,665.82	1/2	1,277.62	1/2	889.42	1/2	501.81	1/2	113.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,657.74	3/4	1,269.54	3/4	881.34	3/4	493.72	3/4	105.53	3/4		3/4		3/4		3/4		3/4	
7	1,649.65	7	1,261.45	7	873.25	7	485.64	7	97.45	7		7		7		7		7	
1/4	1,641.56	1/4	1,253.36	1/4	865.17	1/4	477.55	1/4	89.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,633.47	1/2	1,245.27	1/2	857.09	1/2	469.46	1/2	81.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,625.39	3/4	1,237.19	3/4	849.01	3/4	461.37	3/4	73.18	3/4		3/4		3/4		3/4		3/4	
8	1,617.30	8	1,229.10	8	840.94	8	453.29	8	65.10	8		8		8		8		8	
1/4	1,609.21	1/4	1,221.01	1/4	832.86	1/4	445.20	1/4	58.02	1/4		1/4		1/4		1/4		1/4	
1/2	1,601.12	1/2	1,212.92	1/2	824.79	1/2	437.11	1/2	50.94	1/2		1/2		1/2		1/2		1/2	
3/4	1,593.04	3/4	1,204.84	3/4	816.72	3/4	429.03	3/4	43.86	3/4		3/4		3/4		3/4		3/4	
9	1,584.95	9	1,196.75	9	808.65	9	420.94	9	36.79	9		9		9		9		9	
1/4	1,576.86	1/4	1,188.66	1/4	800.58	1/4	412.85	1/4	31.73	1/4		1/4		1/4		1/4		1/4	
1/2	1,568.77	1/2	1,180.57	1/2	792.50	1/2	404.76	1/2	26.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,560.69	3/4	1,172.49	3/4	784.43	3/4	396.68	3/4	21.62	3/4		3/4		3/4		3/4		3/4	
10	1,552.60	10	1,164.40	10	776.36	10	388.59	10	16.57	10		10		10		10		10	
1/4	1,544.51	1/4	1,156.31	1/4	768.29	1/4	380.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,536.42	1/2	1,148.22	1/2	760.22	1/2	372.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,528.34	3/4	1,140.14	3/4	752.15	3/4	364.33	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,520.25	11	1,132.05	11	744.07	11	356.24	11		11		11		11		11		11	
1/4	1,512.16	1/4	1,123.96	1/4	736.00	1/4	348.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,504.07	1/2	1,115.87	1/2	727.93	1/2	340.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,495.99	3/4	1,107.79	3/4	719.86	3/4	331.98	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/15/2014 SW  
 CALCULATED: 08/16/2014 CL  
 PRINTED: 08/17/2014 SW

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 08/2014

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



# BARGE "CTCo 359"

## 3 PORT ULLAGE 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		0	4,408.93	0	4,177.07	0	3,968.81	0	3,737.38	0	3,482.70	0	3,173.46	0	2,813.08	0	2,452.29	0	2,091.21
1/4	1/4	4,402.43	1/4	4,172.94	1/4	3,964.23	1/4	3,732.31	1/4	3,477.15	1/4	3,165.96	1/4	2,805.56	1/4	2,444.77	1/4	2,083.69	
1/2	1/2	4,395.93	1/2	4,168.81	1/2	3,959.64	1/2	3,727.23	1/2	3,471.61	1/2	3,158.45	1/2	2,798.05	1/2	2,437.25	1/2	2,076.17	
3/4	3/4	4,389.43	3/4	4,164.68	3/4	3,955.05	3/4	3,722.16	3/4	3,466.06	3/4	3,150.95	3/4	2,790.54	3/4	2,429.73	3/4	2,068.65	
1		1	4,382.93	1	4,160.55	1	3,950.47	1	3,717.08	1	3,460.51	1	3,143.45	1	2,783.02	1	2,422.20	1	2,061.12
1/4	1/4	4,377.41	1/4	4,156.38	1/4	3,945.84	1/4	3,711.97	1/4	3,454.96	1/4	3,135.95	1/4	2,775.51	1/4	2,414.68	1/4	2,053.60	
1/2	1/2	4,371.90	1/2	4,152.21	1/2	3,941.21	1/2	3,706.87	1/2	3,449.42	1/2	3,128.44	1/2	2,768.00	1/2	2,407.16	1/2	2,046.08	
3/4	3/4	4,366.39	3/4	4,148.04	3/4	3,936.58	3/4	3,701.76	3/4	3,443.87	3/4	3,120.94	3/4	2,760.48	3/4	2,399.64	3/4	2,038.56	
2		2	4,360.88	2	4,143.86	2	3,931.95	2	3,696.65	2	3,438.32	2	3,113.44	2	2,752.97	2	2,392.11	2	2,031.03
1/4	1/4	4,355.36	1/4	4,139.66	1/4	3,927.26	1/4	3,691.50	1/4	3,432.77	1/4	3,105.93	1/4	2,745.46	1/4	2,384.59	1/4	2,023.51	
1/2	1/2	4,349.85	1/2	4,135.45	1/2	3,922.57	1/2	3,686.35	1/2	3,427.23	1/2	3,098.43	1/2	2,737.95	1/2	2,377.07	1/2	2,015.99	
3/4	3/4	4,344.34	3/4	4,131.25	3/4	3,917.88	3/4	3,681.21	3/4	3,421.68	3/4	3,090.93	3/4	2,730.43	3/4	2,369.55	3/4	2,008.47	
3		3	4,338.83	3	4,127.04	3	3,913.19	3	3,676.06	3	3,416.13	3	3,083.43	3	2,722.92	3	2,362.02	3	2,000.94
1/4	1/4	4,333.34	1/4	4,122.79	1/4	3,908.45	1/4	3,670.86	1/4	3,410.60	1/4	3,075.92	1/4	2,715.41	1/4	2,354.50	1/4	1,993.42	
1/2	1/2	4,327.86	1/2	4,118.53	1/2	3,903.71	1/2	3,665.67	1/2	3,405.06	1/2	3,068.42	1/2	2,707.89	1/2	2,346.98	1/2	1,985.90	
3/4	3/4	4,322.38	3/4	4,114.28	3/4	3,898.98	3/4	3,660.48	3/4	3,399.52	3/4	3,060.92	3/4	2,700.38	3/4	2,339.46	3/4	1,978.38	
4		4	4,316.89	4	4,110.03	4	3,894.24	4	3,655.29	4	3,393.99	4	3,053.42	4	2,692.87	4	2,331.93	4	1,970.85
1/4	1/4	4,311.41	1/4	4,105.75	1/4	3,889.47	1/4	3,650.06	1/4	3,388.45	1/4	3,045.91	1/4	2,685.35	1/4	2,324.41	1/4	1,963.33	
1/2	1/2	4,305.92	1/2	4,101.46	1/2	3,884.70	1/2	3,644.83	1/2	3,382.91	1/2	3,038.41	1/2	2,677.84	1/2	2,316.89	1/2	1,955.81	
3/4	3/4	4,300.44	3/4	4,097.18	3/4	3,879.93	3/4	3,639.61	3/4	3,377.37	3/4	3,030.91	3/4	2,670.33	3/4	2,309.37	3/4	1,948.29	
5		5	4,294.96	5	4,092.90	5	3,875.16	5	3,634.38	5	3,371.84	5	3,023.40	5	2,662.81	5	2,301.84	5	1,940.76
1/4	1/4	4,289.47	1/4	4,088.58	1/4	3,870.35	1/4	3,629.07	1/4	3,366.30	1/4	3,015.90	1/4	2,655.30	1/4	2,294.32	1/4	1,933.24	
1/2	1/2	4,283.99	1/2	4,084.27	1/2	3,865.53	1/2	3,623.77	1/2	3,360.76	1/2	3,008.40	1/2	2,647.79	1/2	2,286.80	1/2	1,925.72	
3/4	3/4	4,278.50	3/4	4,079.96	3/4	3,860.72	3/4	3,618.46	3/4	3,355.23	3/4	3,000.90	3/4	2,640.27	3/4	2,279.28	3/4	1,918.20	
6		6	4,273.02	6	4,075.65	6	3,855.90	6	3,613.16	6	3,349.69	6	2,993.39	6	2,632.76	6	2,271.75	6	1,910.67
1/4	1/4	4,269.12	1/4	4,071.30	1/4	3,851.05	1/4	3,607.82	1/4	3,343.16	1/4	2,985.88	1/4	2,625.25	1/4	2,264.23	1/4	1,903.15	
1/2	1/2	4,265.21	1/2	4,066.95	1/2	3,846.21	1/2	3,602.48	1/2	3,336.64	1/2	2,978.37	1/2	2,617.73	1/2	2,256.71	1/2	1,895.63	
3/4	3/4	4,261.31	3/4	4,062.59	3/4	3,841.36	3/4	3,597.14	3/4	3,330.11	3/4	2,970.85	3/4	2,610.22	3/4	2,249.19	3/4	1,888.11	
7		7	4,257.40	7	4,058.24	7	3,836.51	7	3,591.80	7	3,323.59	7	2,963.34	7	2,602.71	7	2,241.66	7	1,880.58
1/4	1/4	4,253.46	1/4	4,053.85	1/4	3,831.63	1/4	3,586.42	1/4	3,316.07	1/4	2,955.83	1/4	2,595.19	1/4	2,234.14	1/4	1,873.09	
1/2	1/2	4,249.52	1/2	4,049.47	1/2	3,826.75	1/2	3,581.03	1/2	3,308.56	1/2	2,948.31	1/2	2,587.68	1/2	2,226.62	1/2	1,865.59	
3/4	3/4	4,245.59	3/4	4,045.08	3/4	3,821.87	3/4	3,575.65	3/4	3,301.05	3/4	2,940.80	3/4	2,580.17	3/4	2,219.10	3/4	1,858.09	
8		8	4,241.65	8	4,040.69	8	3,816.98	8	3,570.26	8	3,293.54	8	2,933.29	8	2,572.65	8	2,211.57	8	1,850.59
1/4	1/4	4,237.66	1/4	4,036.26	1/4	3,812.06	1/4	3,564.84	1/4	3,286.03	1/4	2,925.78	1/4	2,565.13	1/4	2,204.05	1/4	1,843.09	
1/2	1/2	4,233.68	1/2	4,031.82	1/2	3,807.14	1/2	3,559.43	1/2	3,278.52	1/2	2,918.26	1/2	2,557.61	1/2	2,196.53	1/2	1,835.59	
3/4	3/4	4,229.69	3/4	4,027.39	3/4	3,802.21	3/4	3,554.01	3/4	3,271.00	3/4	2,910.75	3/4	2,550.09	3/4	2,189.01	3/4	1,828.09	
9		9	4,225.71	9	4,022.96	9	3,797.29	9	3,548.60	9	3,263.49	9	2,903.24	9	2,542.56	9	2,181.48	9	1,820.60
1/4	1/4	4,221.69	1/4	4,018.49	1/4	3,792.34	1/4	3,543.14	1/4	3,255.99	1/4	2,895.72	1/4	2,535.04	1/4	2,173.96	1/4	1,813.10	
1/2	1/2	4,217.68	1/2	4,014.03	1/2	3,787.38	1/2	3,537.69	1/2	3,248.49	1/2	2,888.21	1/2	2,527.52	1/2	2,166.44	1/2	1,805.60	
3/4	3/4	4,213.66	3/4	4,009.56	3/4	3,782.43	3/4	3,532.24	3/4	3,240.98	3/4	2,880.70	3/4	2,520.00	3/4	2,158.92	3/4	1,798.10	
10		10	4,209.64	10	4,005.10	10	3,777.48	10	3,526.79	10	3,233.48	10	2,873.18	10	2,512.47	10	2,151.39	10	1,790.60
1/4	1/4	4,205.59	1/4	4,000.58	1/4	3,772.49	1/4	3,521.30	1/4	3,225.98	1/4	2,865.67	1/4	2,504.95	1/4	2,143.87	1/4	1,783.10	
1/2	1/2	4,201.54	1/2	3,996.06	1/2	3,767.49	1/2	3,515.80	1/2	3,218.48	1/2	2,858.16	1/2	2,497.43	1/2	2,136.35	1/2	1,775.60	
3/4	3/4	4,197.49	3/4	3,991.54	3/4	3,762.49	3/4	3,510.31	3/4	3,210.97	3/4	2,850.64	3/4	2,489.91	3/4	2,128.83	3/4	1,768.11	
11		11	4,193.44	11	3,987.02	11	3,757.50	11	3,504.81	11	3,203.47	11	2,843.13	11	2,482.38	11	2,121.30	11	1,760.61
1/4	1/4	4,189.35	1/4	3,982.47	1/4	3,752.47	1/4	3,499.29	1/4	3,195.97	1/4	2,835.62	1/4	2,474.86	1/4	2,113.78	1/4	1,753.11	
1/2	1/2	4,185.25	1/2	3,977.91	1/2	3,747.44	1/2	3,493.76	1/2	3,188.46	1/2	2,828.10	1/2	2,467.34	1/2	2,106.26	1/2	1,745.61	
3/4	3/4	4,181.16	3/4	3,973.36	3/4	3,742.41	3/4	3,488.23	3/4	3,180.96	3/4	2,820.59	3/4	2,459.82	3/4	2,098.74	3/4	1,738.11	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 45'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "CTCo 359"

## 3 PORT ULLAGE 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	1,730.61	0	1,370.27	0	1,009.35	0	654.79	0	301.39	0		0		0		0		0	
1/4	1,723.11	1/4	1,362.75	1/4	1,001.83	1/4	647.57	1/4	293.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,715.62	1/2	1,355.23	1/2	994.31	1/2	640.35	1/2	286.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,708.12	3/4	1,347.71	3/4	986.79	3/4	633.12	3/4	278.81	3/4		3/4		3/4		3/4		3/4	
1	1,700.62	1	1,340.19	1	979.27	1	625.90	1	271.29	1		1		1		1		1	
1/4	1,693.12	1/4	1,332.67	1/4	971.75	1/4	618.68	1/4	263.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,685.62	1/2	1,325.15	1/2	964.23	1/2	611.46	1/2	256.24	1/2		1/2		1/2		1/2		1/2	
3/4	1,678.12	3/4	1,317.63	3/4	956.71	3/4	604.24	3/4	248.71	3/4		3/4		3/4		3/4		3/4	
2	1,670.62	2	1,310.11	2	949.19	2	597.02	2	241.19	2		2		2		2		2	
1/4	1,663.13	1/4	1,302.60	1/4	941.67	1/4	589.80	1/4	233.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,655.63	1/2	1,295.08	1/2	934.15	1/2	582.57	1/2	226.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,648.13	3/4	1,287.56	3/4	926.64	3/4	575.35	3/4	218.61	3/4		3/4		3/4		3/4		3/4	
3	1,640.63	3	1,280.04	3	919.12	3	568.13	3	211.09	3		3		3		3		3	
1/4	1,633.13	1/4	1,272.52	1/4	911.60	1/4	560.91	1/4	203.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,625.63	1/2	1,265.00	1/2	904.08	1/2	553.69	1/2	196.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,618.13	3/4	1,257.48	3/4	896.56	3/4	546.46	3/4	188.52	3/4		3/4		3/4		3/4		3/4	
4	1,610.64	4	1,249.96	4	889.04	4	539.24	4	180.99	4		4		4		4		4	
1/4	1,603.14	1/4	1,242.44	1/4	881.52	1/4	532.01	1/4	173.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,595.64	1/2	1,234.92	1/2	874.00	1/2	524.78	1/2	165.94	1/2		1/2		1/2		1/2		1/2	
3/4	1,588.14	3/4	1,227.40	3/4	866.48	3/4	517.55	3/4	158.42	3/4		3/4		3/4		3/4		3/4	
5	1,580.64	5	1,219.88	5	858.96	5	510.33	5	150.89	5		5		5		5		5	
1/4	1,573.14	1/4	1,212.36	1/4	851.44	1/4	503.09	1/4	143.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,565.64	1/2	1,204.85	1/2	843.92	1/2	495.85	1/2	135.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,558.15	3/4	1,197.33	3/4	836.40	3/4	488.61	3/4	128.32	3/4		3/4		3/4		3/4		3/4	
6	1,550.65	6	1,189.81	6	828.89	6	481.38	6	120.79	6		6		6		6		6	
1/4	1,543.15	1/4	1,182.29	1/4	821.50	1/4	474.00	1/4	113.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,535.65	1/2	1,174.77	1/2	814.12	1/2	466.63	1/2	105.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,528.15	3/4	1,167.25	3/4	806.73	3/4	459.25	3/4	98.22	3/4		3/4		3/4		3/4		3/4	
7	1,520.65	7	1,159.73	7	799.35	7	451.88	7	90.70	7		7		7		7		7	
1/4	1,513.13	1/4	1,152.21	1/4	792.11	1/4	444.35	1/4	83.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,505.61	1/2	1,144.69	1/2	784.87	1/2	436.83	1/2	75.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,498.09	3/4	1,137.17	3/4	777.63	3/4	429.30	3/4	68.12	3/4		3/4		3/4		3/4		3/4	
8	1,490.58	8	1,129.65	8	770.39	8	421.78	8	60.60	8		8		8		8		8	
1/4	1,483.06	1/4	1,122.13	1/4	763.15	1/4	414.25	1/4	54.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,475.54	1/2	1,114.62	1/2	755.92	1/2	406.73	1/2	47.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,468.02	3/4	1,107.10	3/4	748.69	3/4	399.21	3/4	40.84	3/4		3/4		3/4		3/4		3/4	
9	1,460.50	9	1,099.58	9	741.45	9	391.68	9	34.26	9		9		9		9		9	
1/4	1,452.98	1/4	1,092.06	1/4	734.23	1/4	384.16	1/4	29.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,445.46	1/2	1,084.54	1/2	727.01	1/2	376.63	1/2	24.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,437.94	3/4	1,077.02	3/4	719.79	3/4	369.11	3/4	20.15	3/4		3/4		3/4		3/4		3/4	
10	1,430.42	10	1,069.50	10	712.57	10	361.58	10	15.45	10		10		10		10		10	
1/4	1,422.90	1/4	1,061.98	1/4	705.34	1/4	354.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,415.38	1/2	1,054.46	1/2	698.12	1/2	346.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,407.86	3/4	1,046.94	3/4	690.90	3/4	339.01	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,400.34	11	1,039.42	11	683.68	11	331.48	11		11		11		11		11		11	
1/4	1,392.83	1/4	1,031.90	1/4	676.45	1/4	323.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,385.31	1/2	1,024.38	1/2	669.23	1/2	316.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,377.79	3/4	1,016.87	3/4	662.01	3/4	308.91	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/15/2014 SW  
CALCULATED: 08/16/2014 CL  
PRINTED: 08/17/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2014

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





# BARGE "CTCo 359"

3 STBD

ULLAGE 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	1,728.64	0	1,370.27	0	1,009.62	0	654.80	0	301.00	0		0		0		0		0	
1/4	1,721.18	1/4	1,362.75	1/4	1,002.11	1/4	647.55	1/4	293.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,713.72	1/2	1,355.24	1/2	994.59	1/2	640.31	1/2	285.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,706.27	3/4	1,347.73	3/4	987.08	3/4	633.06	3/4	278.46	3/4		3/4		3/4		3/4		3/4	
1	1,698.81	1	1,340.21	1	979.57	1	625.82	1	270.95	1		1		1		1		1	
1/4	1,691.35	1/4	1,332.70	1/4	972.05	1/4	618.57	1/4	263.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,683.90	1/2	1,325.19	1/2	964.54	1/2	611.33	1/2	255.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,676.44	3/4	1,317.67	3/4	957.03	3/4	604.08	3/4	248.41	3/4		3/4		3/4		3/4		3/4	
2	1,668.98	2	1,310.16	2	949.51	2	596.84	2	240.89	2		2		2		2		2	
1/4	1,661.53	1/4	1,302.65	1/4	942.00	1/4	589.59	1/4	233.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,654.07	1/2	1,295.13	1/2	934.48	1/2	582.35	1/2	225.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,646.61	3/4	1,287.62	3/4	926.97	3/4	575.10	3/4	218.35	3/4		3/4		3/4		3/4		3/4	
3	1,639.16	3	1,280.11	3	919.46	3	567.86	3	210.84	3		3		3		3		3	
1/4	1,631.70	1/4	1,272.59	1/4	911.94	1/4	560.61	1/4	203.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,624.24	1/2	1,265.08	1/2	904.43	1/2	553.36	1/2	195.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,616.79	3/4	1,257.57	3/4	896.92	3/4	546.12	3/4	188.30	3/4		3/4		3/4		3/4		3/4	
4	1,609.33	4	1,250.05	4	889.40	4	538.87	4	180.79	4		4		4		4		4	
1/4	1,601.88	1/4	1,242.54	1/4	881.89	1/4	531.62	1/4	173.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,594.42	1/2	1,235.02	1/2	874.38	1/2	524.37	1/2	165.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,586.96	3/4	1,227.51	3/4	866.86	3/4	517.11	3/4	158.25	3/4		3/4		3/4		3/4		3/4	
5	1,579.51	5	1,220.00	5	859.35	5	509.86	5	150.73	5		5		5		5		5	
1/4	1,572.05	1/4	1,212.48	1/4	851.84	1/4	502.60	1/4	143.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,564.59	1/2	1,204.97	1/2	844.32	1/2	495.34	1/2	135.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,557.14	3/4	1,197.46	3/4	836.81	3/4	488.08	3/4	128.19	3/4		3/4		3/4		3/4		3/4	
6	1,549.68	6	1,189.94	6	829.30	6	480.82	6	120.68	6		6		6		6		6	
1/4	1,542.22	1/4	1,182.43	1/4	821.91	1/4	473.43	1/4	113.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,534.77	1/2	1,174.92	1/2	814.52	1/2	466.04	1/2	105.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,527.31	3/4	1,167.40	3/4	807.13	3/4	458.65	3/4	98.14	3/4		3/4		3/4		3/4		3/4	
7	1,519.85	7	1,159.89	7	799.75	7	451.27	7	90.63	7		7		7		7		7	
1/4	1,512.40	1/4	1,152.38	1/4	792.49	1/4	443.75	1/4	83.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,504.94	1/2	1,144.86	1/2	785.24	1/2	436.24	1/2	75.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,497.48	3/4	1,137.35	3/4	777.99	3/4	428.73	3/4	68.09	3/4		3/4		3/4		3/4		3/4	
8	1,490.03	8	1,129.84	8	770.73	8	421.21	8	60.57	8		8		8		8		8	
1/4	1,482.57	1/4	1,122.32	1/4	763.49	1/4	413.70	1/4	54.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,475.11	1/2	1,114.81	1/2	756.24	1/2	406.19	1/2	47.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,467.66	3/4	1,107.30	3/4	749.00	3/4	398.67	3/4	40.85	3/4		3/4		3/4		3/4		3/4	
9	1,460.20	9	1,099.78	9	741.75	9	391.16	9	34.28	9		9		9		9		9	
1/4	1,452.75	1/4	1,092.27	1/4	734.50	1/4	383.65	1/4	29.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,445.29	1/2	1,084.75	1/2	727.26	1/2	376.13	1/2	24.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,437.83	3/4	1,077.24	3/4	720.01	3/4	368.62	3/4	20.17	3/4		3/4		3/4		3/4		3/4	
10	1,430.38	10	1,069.73	10	712.77	10	361.11	10	15.46	10		10		10		10		10	
1/4	1,422.86	1/4	1,062.21	1/4	705.52	1/4	353.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,415.35	1/2	1,054.70	1/2	698.27	1/2	346.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,407.84	3/4	1,047.19	3/4	691.03	3/4	338.57	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,400.32	11	1,039.67	11	683.78	11	331.05	11		11		11		11		11		11	
1/4	1,392.81	1/4	1,032.16	1/4	676.54	1/4	323.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,385.29	1/2	1,024.65	1/2	669.29	1/2	316.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,377.78	3/4	1,017.13	3/4	662.04	3/4	308.51	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/15/2014 SW  
 CALCULATED: 08/16/2014 CL  
 PRINTED: 08/17/2014 SW

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 08/2014

PRECISION MEASUREMENT  
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