



# BARGE "CTCo 336"

## ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 6'-00"  
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

March 19, 2014

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "CTCo 336"

## 1 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-03 1/4"

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	1,880.45	0	1,513.72	0	1,147.04	0	782.46	0	418.44	0	94.25	0		0		0		0	
1/4	1,872.81	1/4	1,506.08	1/4	1,139.42	1/4	774.84	1/4	411.12	1/4	88.04	1/4		1/4		1/4		1/4	
1/2	1,865.17	1/2	1,498.44	1/2	1,131.81	1/2	767.20	1/2	403.88	1/2	81.93	1/2		1/2		1/2		1/2	
3/4	1,857.53	3/4	1,490.80	3/4	1,124.20	3/4	759.56	3/4	396.65	3/4	75.82	3/4		3/4		3/4		3/4	
1	1,849.89	1	1,483.16	1	1,116.59	1	751.92	1	389.42	1	69.71	1		1		1		1	
1/4	1,842.25	1/4	1,475.52	1/4	1,108.98	1/4	744.28	1/4	382.19	1/4	63.60	1/4		1/4		1/4		1/4	
1/2	1,834.61	1/2	1,467.88	1/2	1,101.37	1/2	736.64	1/2	375.05	1/2	58.06	1/2		1/2		1/2		1/2	
3/4	1,826.97	3/4	1,460.24	3/4	1,093.77	3/4	729.00	3/4	367.91	3/4	52.51	3/4		3/4		3/4		3/4	
2	1,819.33	2	1,452.60	2	1,086.16	2	721.36	2	360.77	2	46.97	2		2		2		2	
1/4	1,811.69	1/4	1,444.96	1/4	1,078.56	1/4	713.72	1/4	353.62	1/4	41.42	1/4		1/4		1/4		1/4	
1/2	1,804.05	1/2	1,437.32	1/2	1,070.96	1/2	706.08	1/2	346.57	1/2	36.94	1/2		1/2		1/2		1/2	
3/4	1,796.41	3/4	1,429.68	3/4	1,063.37	3/4	698.44	3/4	339.52	3/4	32.45	3/4		3/4		3/4		3/4	
3	1,788.77	3	1,422.04	3	1,055.77	3	690.80	3	332.47	3	27.96	3		3		3		3	
1/4	1,781.13	1/4	1,414.40	1/4	1,048.17	1/4	683.16	1/4	325.42	1/4	23.48	1/4		1/4		1/4		1/4	
1/2	1,773.49	1/2	1,406.76	1/2	1,040.58	1/2	675.52	1/2	318.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,765.85	3/4	1,399.12	3/4	1,032.99	3/4	667.88	3/4	311.50	3/4		3/4		3/4		3/4		3/4	
4	1,758.21	4	1,391.48	4	1,025.39	4	660.24	4	304.54	4		4		4		4		4	
1/4	1,750.57	1/4	1,383.84	1/4	1,017.80	1/4	652.60	1/4	297.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,742.93	1/2	1,376.20	1/2	1,010.21	1/2	644.96	1/2	290.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,735.29	3/4	1,368.56	3/4	1,002.62	3/4	637.32	3/4	283.84	3/4		3/4		3/4		3/4		3/4	
5	1,727.65	5	1,360.92	5	995.03	5	629.68	5	276.97	5		5		5		5		5	
1/4	1,720.01	1/4	1,353.28	1/4	987.44	1/4	622.04	1/4	270.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,712.37	1/2	1,345.64	1/2	979.85	1/2	614.40	1/2	263.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,704.73	3/4	1,338.00	3/4	972.27	3/4	606.76	3/4	256.55	3/4		3/4		3/4		3/4		3/4	
6	1,697.09	6	1,330.36	6	964.68	6	599.12	6	249.77	6		6		6		6		6	
1/4	1,689.45	1/4	1,322.72	1/4	957.09	1/4	591.48	1/4	242.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,681.81	1/2	1,315.08	1/2	949.50	1/2	583.84	1/2	236.30	1/2		1/2		1/2		1/2		1/2	
3/4	1,674.17	3/4	1,307.44	3/4	941.91	3/4	576.20	3/4	229.61	3/4		3/4		3/4		3/4		3/4	
7	1,666.53	7	1,299.80	7	934.32	7	568.56	7	222.93	7		7		7		7		7	
1/4	1,658.89	1/4	1,292.16	1/4	926.73	1/4	560.92	1/4	216.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,651.25	1/2	1,284.52	1/2	919.14	1/2	553.30	1/2	209.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,643.61	3/4	1,276.88	3/4	911.55	3/4	545.67	3/4	203.04	3/4		3/4		3/4		3/4		3/4	
8	1,635.97	8	1,269.24	8	903.96	8	538.04	8	196.45	8		8		8		8		8	
1/4	1,628.33	1/4	1,261.60	1/4	896.37	1/4	530.41	1/4	189.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,620.69	1/2	1,253.96	1/2	888.78	1/2	522.83	1/2	183.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,613.05	3/4	1,246.32	3/4	881.19	3/4	515.24	3/4	176.83	3/4		3/4		3/4		3/4		3/4	
9	1,605.41	9	1,238.68	9	873.60	9	507.66	9	170.33	9		9		9		9		9	
1/4	1,597.77	1/4	1,231.04	1/4	866.02	1/4	500.08	1/4	163.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,590.13	1/2	1,223.40	1/2	858.43	1/2	492.57	1/2	157.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,582.49	3/4	1,215.76	3/4	850.84	3/4	485.07	3/4	151.00	3/4		3/4		3/4		3/4		3/4	
10	1,574.85	10	1,208.12	10	843.25	10	477.56	10	144.58	10		10		10		10		10	
1/4	1,567.21	1/4	1,200.48	1/4	835.66	1/4	470.06	1/4	138.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,559.57	1/2	1,192.84	1/2	828.07	1/2	462.65	1/2	131.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,551.92	3/4	1,185.20	3/4	820.48	3/4	455.23	3/4	125.54	3/4		3/4		3/4		3/4		3/4	
11	1,544.28	11	1,177.56	11	812.89	11	447.82	11	119.22	11		11		11		11		11	
1/4	1,536.64	1/4	1,169.92	1/4	805.30	1/4	440.41	1/4	112.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,529.00	1/2	1,162.29	1/2	797.69	1/2	433.08	1/2	106.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,521.36	3/4	1,154.67	3/4	790.07	3/4	425.76	3/4	100.47	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 SW  
CALCULATED: 03/20/2014 CL  
PRINTED: 03/20/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2014

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "CTCo 336"

## 1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,886.12	0	1,520.13	0	1,154.14	0	788.63	0	425.08	0	100.43	0		0		0		0	
1/4	1,878.50	1/4	1,512.51	1/4	1,146.52	1/4	781.02	1/4	417.77	1/4	94.21	1/4		1/4		1/4		1/4	
1/2	1,870.87	1/2	1,504.88	1/2	1,138.89	1/2	773.40	1/2	410.47	1/2	88.00	1/2		1/2		1/2		1/2	
3/4	1,863.25	3/4	1,497.26	3/4	1,131.27	3/4	765.77	3/4	403.25	3/4	81.89	3/4		3/4		3/4		3/4	
1	1,855.62	1	1,489.63	1	1,123.64	1	758.15	1	396.03	1	75.79	1		1		1		1	
1/4	1,848.00	1/4	1,482.01	1/4	1,116.02	1/4	750.52	1/4	388.82	1/4	69.68	1/4		1/4		1/4		1/4	
1/2	1,840.37	1/2	1,474.38	1/2	1,108.39	1/2	742.90	1/2	381.60	1/2	63.58	1/2		1/2		1/2		1/2	
3/4	1,832.75	3/4	1,466.76	3/4	1,100.77	3/4	735.28	3/4	374.47	3/4	58.03	3/4		3/4		3/4		3/4	
2	1,825.12	2	1,459.13	2	1,093.15	2	727.65	2	367.35	2	52.49	2		2		2		2	
1/4	1,817.50	1/4	1,451.51	1/4	1,085.53	1/4	720.03	1/4	360.22	1/4	46.95	1/4		1/4		1/4		1/4	
1/2	1,809.88	1/2	1,443.88	1/2	1,077.91	1/2	712.40	1/2	353.09	1/2	41.40	1/2		1/2		1/2		1/2	
3/4	1,802.25	3/4	1,436.26	3/4	1,070.29	3/4	704.78	3/4	346.06	3/4	36.92	3/4		3/4		3/4		3/4	
3	1,794.63	3	1,428.64	3	1,062.67	3	697.15	3	339.02	3	32.44	3		3		3		3	
1/4	1,787.00	1/4	1,421.01	1/4	1,055.05	1/4	689.53	1/4	331.99	1/4	27.95	1/4		1/4		1/4		1/4	
1/2	1,779.38	1/2	1,413.39	1/2	1,047.43	1/2	681.90	1/2	324.95	1/2	23.47	1/2		1/2		1/2		1/2	
3/4	1,771.75	3/4	1,405.76	3/4	1,039.82	3/4	674.28	3/4	318.01	3/4		3/4		3/4		3/4		3/4	
4	1,764.13	4	1,398.14	4	1,032.20	4	666.65	4	311.06	4		4		4		4		4	
1/4	1,756.50	1/4	1,390.51	1/4	1,024.59	1/4	659.03	1/4	304.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,748.88	1/2	1,382.89	1/2	1,016.97	1/2	651.40	1/2	297.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,741.25	3/4	1,375.26	3/4	1,009.36	3/4	643.78	3/4	290.32	3/4		3/4		3/4		3/4		3/4	
5	1,733.63	5	1,367.64	5	1,001.75	5	636.16	5	283.46	5		5		5		5		5	
1/4	1,726.00	1/4	1,360.01	1/4	994.14	1/4	628.53	1/4	276.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,718.38	1/2	1,352.39	1/2	986.53	1/2	620.91	1/2	269.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,710.75	3/4	1,344.76	3/4	978.92	3/4	613.28	3/4	262.99	3/4		3/4		3/4		3/4		3/4	
6	1,703.13	6	1,337.14	6	971.31	6	605.66	6	256.22	6		6		6		6		6	
1/4	1,695.50	1/4	1,329.51	1/4	963.70	1/4	598.03	1/4	249.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,687.88	1/2	1,321.89	1/2	956.09	1/2	590.41	1/2	242.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,680.25	3/4	1,314.26	3/4	948.48	3/4	582.79	3/4	236.02	3/4		3/4		3/4		3/4		3/4	
7	1,672.63	7	1,306.64	7	940.86	7	575.17	7	229.35	7		7		7		7		7	
1/4	1,665.00	1/4	1,299.01	1/4	933.25	1/4	567.55	1/4	222.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,657.38	1/2	1,291.39	1/2	925.64	1/2	559.92	1/2	216.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,649.75	3/4	1,283.76	3/4	918.03	3/4	552.32	3/4	209.42	3/4		3/4		3/4		3/4		3/4	
8	1,642.13	8	1,276.14	8	910.42	8	544.71	8	202.84	8		8		8		8		8	
1/4	1,634.50	1/4	1,268.51	1/4	902.81	1/4	537.11	1/4	196.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,626.88	1/2	1,260.89	1/2	895.20	1/2	529.50	1/2	189.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,619.26	3/4	1,253.26	3/4	887.59	3/4	521.94	3/4	183.18	3/4		3/4		3/4		3/4		3/4	
9	1,611.63	9	1,245.64	9	879.98	9	514.37	9	176.69	9		9		9		9		9	
1/4	1,604.01	1/4	1,238.02	1/4	872.37	1/4	506.81	1/4	170.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,596.38	1/2	1,230.39	1/2	864.76	1/2	499.25	1/2	163.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,588.76	3/4	1,222.77	3/4	857.15	3/4	491.76	3/4	157.30	3/4		3/4		3/4		3/4		3/4	
10	1,581.13	10	1,215.14	10	849.53	10	484.27	10	150.90	10		10		10		10		10	
1/4	1,573.51	1/4	1,207.52	1/4	841.92	1/4	476.78	1/4	144.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,565.88	1/2	1,199.89	1/2	834.31	1/2	469.29	1/2	138.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,558.26	3/4	1,192.27	3/4	826.70	3/4	461.89	3/4	131.79	3/4		3/4		3/4		3/4		3/4	
11	1,550.63	11	1,184.64	11	819.09	11	454.49	11	125.48	11		11		11		11		11	
1/4	1,543.01	1/4	1,177.02	1/4	811.48	1/4	447.09	1/4	119.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,535.38	1/2	1,169.39	1/2	803.87	1/2	439.70	1/2	112.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,527.76	3/4	1,161.77	3/4	796.25	3/4	432.39	3/4	106.64	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 SW  
CALCULATED: 03/20/2014 CL  
PRINTED: 03/20/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2014

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





# BARGE "CTCo 336"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,829.91	0	1,485.48	0	1,141.19	0	810.53	0	466.57	0	122.16	0		0		0		0	
1/4	1,822.73	1/4	1,478.30	1/4	1,134.16	1/4	803.51	1/4	459.39	1/4	114.99	1/4		1/4		1/4		1/4	
1/2	1,815.56	1/2	1,471.13	1/2	1,127.12	1/2	796.48	1/2	452.22	1/2	107.82	1/2		1/2		1/2		1/2	
3/4	1,808.38	3/4	1,463.95	3/4	1,120.09	3/4	789.46	3/4	445.04	3/4	100.65	3/4		3/4		3/4		3/4	
1	1,801.21	1	1,456.78	1	1,113.20	1	782.28	1	437.87	1	93.50	1		1		1		1	
1/4	1,794.03	1/4	1,449.60	1/4	1,106.30	1/4	775.11	1/4	430.69	1/4	86.35	1/4		1/4		1/4		1/4	
1/2	1,786.85	1/2	1,442.43	1/2	1,099.41	1/2	767.93	1/2	423.52	1/2	79.20	1/2		1/2		1/2		1/2	
3/4	1,779.68	3/4	1,435.25	3/4	1,092.52	3/4	760.76	3/4	416.34	3/4	72.04	3/4		3/4		3/4		3/4	
2	1,772.50	2	1,428.07	2	1,085.63	2	753.58	2	409.17	2	65.33	2		2		2		2	
1/4	1,765.33	1/4	1,420.90	1/4	1,078.75	1/4	746.41	1/4	401.99	1/4	58.63	1/4		1/4		1/4		1/4	
1/2	1,758.15	1/2	1,413.72	1/2	1,071.86	1/2	739.23	1/2	394.82	1/2	51.92	1/2		1/2		1/2		1/2	
3/4	1,750.98	3/4	1,406.55	3/4	1,064.98	3/4	732.06	3/4	387.64	3/4	45.21	3/4		3/4		3/4		3/4	
3	1,743.80	3	1,399.37	3	1,058.10	3	724.88	3	380.47	3	39.83	3		3		3		3	
1/4	1,736.63	1/4	1,392.20	1/4	1,051.22	1/4	717.71	1/4	373.29	1/4	34.45	1/4		1/4		1/4		1/4	
1/2	1,729.45	1/2	1,385.02	1/2	1,044.34	1/2	710.53	1/2	366.12	1/2	29.07	1/2		1/2		1/2		1/2	
3/4	1,722.27	3/4	1,377.85	3/4	1,037.46	3/4	703.36	3/4	358.94	3/4	23.68	3/4		3/4		3/4		3/4	
4	1,715.10	4	1,370.67	4	1,030.59	4	696.18	4	351.77	4		4		4		4		4	
1/4	1,707.92	1/4	1,363.49	1/4	1,023.71	1/4	689.00	1/4	344.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,700.75	1/2	1,356.32	1/2	1,016.84	1/2	681.83	1/2	337.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,693.57	3/4	1,349.14	3/4	1,009.96	3/4	674.65	3/4	330.24	3/4		3/4		3/4		3/4		3/4	
5	1,686.40	5	1,341.97	5	1,003.09	5	667.48	5	323.06	5		5		5		5		5	
1/4	1,679.22	1/4	1,334.79	1/4	996.22	1/4	660.30	1/4	315.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,672.05	1/2	1,327.62	1/2	989.35	1/2	653.13	1/2	308.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,664.87	3/4	1,320.44	3/4	982.47	3/4	645.95	3/4	301.54	3/4		3/4		3/4		3/4		3/4	
6	1,657.69	6	1,313.27	6	975.60	6	638.78	6	294.36	6		6		6		6		6	
1/4	1,650.52	1/4	1,306.09	1/4	968.73	1/4	631.60	1/4	287.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,643.34	1/2	1,298.91	1/2	961.86	1/2	624.43	1/2	280.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,636.17	3/4	1,291.74	3/4	954.99	3/4	617.25	3/4	272.84	3/4		3/4		3/4		3/4		3/4	
7	1,628.99	7	1,284.56	7	948.12	7	610.08	7	265.66	7		7		7		7		7	
1/4	1,621.82	1/4	1,277.39	1/4	941.25	1/4	602.90	1/4	258.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,614.64	1/2	1,270.21	1/2	934.37	1/2	595.73	1/2	251.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,607.46	3/4	1,263.04	3/4	927.50	3/4	588.55	3/4	244.14	3/4		3/4		3/4		3/4		3/4	
8	1,600.29	8	1,255.86	8	920.63	8	581.38	8	236.96	8		8		8		8		8	
1/4	1,593.11	1/4	1,248.68	1/4	913.76	1/4	574.20	1/4	229.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,585.94	1/2	1,241.51	1/2	906.89	1/2	567.02	1/2	222.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,578.76	3/4	1,234.33	3/4	900.02	3/4	559.85	3/4	215.43	3/4		3/4		3/4		3/4		3/4	
9	1,571.59	9	1,227.16	9	893.15	9	552.67	9	208.26	9		9		9		9		9	
1/4	1,564.41	1/4	1,219.98	1/4	886.27	1/4	545.50	1/4	201.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,557.24	1/2	1,212.81	1/2	879.40	1/2	538.32	1/2	193.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,550.06	3/4	1,205.63	3/4	872.53	3/4	531.15	3/4	186.73	3/4		3/4		3/4		3/4		3/4	
10	1,542.88	10	1,198.46	10	865.66	10	523.97	10	179.56	10		10		10		10		10	
1/4	1,535.71	1/4	1,191.28	1/4	858.79	1/4	516.80	1/4	172.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,528.53	1/2	1,184.10	1/2	851.92	1/2	509.62	1/2	165.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,521.36	3/4	1,176.93	3/4	845.04	3/4	502.45	3/4	158.03	3/4		3/4		3/4		3/4		3/4	
11	1,514.18	11	1,169.75	11	838.17	11	495.27	11	150.86	11		11		11		11		11	
1/4	1,507.01	1/4	1,162.58	1/4	831.30	1/4	488.10	1/4	143.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,499.83	1/2	1,155.40	1/2	824.43	1/2	480.92	1/2	136.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,492.66	3/4	1,148.23	3/4	817.56	3/4	473.75	3/4	129.33	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 SW  
CALCULATED: 03/20/2014 CL  
PRINTED: 03/20/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2014

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



**BARGE "CTCo 336"**

**2 STBD**

**ULLAGE TABLE**

**HERMETIC**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

**GAUGE HEIGHT 15'-03 1/2"**

Table with columns for height (IN) and capacity (0 FT. to 9 FT.) for various ullage gauges (1/4, 1/2, 3/4).

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'-09" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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







# BARGE "CTCo 336"

## 2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,835.72	0	1,491.46	0	1,147.20	0	803.39	0	459.16	0	114.93	0		0		0		0	
1/4	1,828.54	1/4	1,484.29	1/4	1,140.03	1/4	796.23	1/4	451.99	1/4	107.77	1/4		1/4		1/4		1/4	
1/2	1,821.37	1/2	1,477.12	1/2	1,132.86	1/2	789.06	1/2	444.82	1/2	100.60	1/2		1/2		1/2		1/2	
3/4	1,814.20	3/4	1,469.94	3/4	1,125.69	3/4	781.89	3/4	437.65	3/4	93.45	3/4		3/4		3/4		3/4	
1	1,807.03	1	1,462.77	1	1,118.52	1	774.72	1	430.48	1	86.30	1		1		1		1	
1/4	1,799.86	1/4	1,455.60	1/4	1,111.34	1/4	767.55	1/4	423.30	1/4	79.15	1/4		1/4		1/4		1/4	
1/2	1,792.68	1/2	1,448.43	1/2	1,104.17	1/2	760.37	1/2	416.13	1/2	72.01	1/2		1/2		1/2		1/2	
3/4	1,785.51	3/4	1,441.26	3/4	1,097.00	3/4	753.20	3/4	408.96	3/4	65.30	3/4		3/4		3/4		3/4	
2	1,778.34	2	1,434.08	2	1,089.83	2	746.03	2	401.79	2	58.59	2		2		2		2	
1/4	1,771.17	1/4	1,426.91	1/4	1,082.66	1/4	738.86	1/4	394.62	1/4	51.89	1/4		1/4		1/4		1/4	
1/2	1,764.00	1/2	1,419.74	1/2	1,075.50	1/2	731.69	1/2	387.45	1/2	45.18	1/2		1/2		1/2		1/2	
3/4	1,756.82	3/4	1,412.57	3/4	1,068.33	3/4	724.51	3/4	380.27	3/4	39.81	3/4		3/4		3/4		3/4	
3	1,749.65	3	1,405.40	3	1,061.16	3	717.34	3	373.10	3	34.43	3		3		3		3	
1/4	1,742.48	1/4	1,398.22	1/4	1,054.00	1/4	710.17	1/4	365.93	1/4	29.05	1/4		1/4		1/4		1/4	
1/2	1,735.31	1/2	1,391.05	1/2	1,046.83	1/2	703.00	1/2	358.76	1/2	23.67	1/2		1/2		1/2		1/2	
3/4	1,728.14	3/4	1,383.88	3/4	1,039.67	3/4	695.83	3/4	351.59	3/4		3/4		3/4		3/4		3/4	
4	1,720.96	4	1,376.71	4	1,032.50	4	688.66	4	344.41	4		4		4		4		4	
1/4	1,713.79	1/4	1,369.54	1/4	1,025.34	1/4	681.48	1/4	337.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,706.62	1/2	1,362.36	1/2	1,018.18	1/2	674.31	1/2	330.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,699.45	3/4	1,355.19	3/4	1,011.02	3/4	667.14	3/4	322.90	3/4		3/4		3/4		3/4		3/4	
5	1,692.28	5	1,348.02	5	1,003.86	5	659.97	5	315.73	5		5		5		5		5	
1/4	1,685.10	1/4	1,340.85	1/4	996.70	1/4	652.80	1/4	308.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,677.93	1/2	1,333.68	1/2	989.54	1/2	645.63	1/2	301.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,670.76	3/4	1,326.50	3/4	982.38	3/4	638.45	3/4	294.21	3/4		3/4		3/4		3/4		3/4	
6	1,663.59	6	1,319.33	6	975.22	6	631.28	6	287.04	6		6		6		6		6	
1/4	1,656.42	1/4	1,312.16	1/4	968.07	1/4	624.11	1/4	279.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,649.24	1/2	1,304.99	1/2	960.91	1/2	616.94	1/2	272.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,642.07	3/4	1,297.82	3/4	953.75	3/4	609.77	3/4	265.53	3/4		3/4		3/4		3/4		3/4	
7	1,634.90	7	1,290.64	7	946.59	7	602.60	7	258.35	7		7		7		7		7	
1/4	1,627.73	1/4	1,283.47	1/4	939.43	1/4	595.42	1/4	251.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,620.56	1/2	1,276.30	1/2	932.27	1/2	588.25	1/2	244.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,613.38	3/4	1,269.13	3/4	925.11	3/4	581.08	3/4	236.84	3/4		3/4		3/4		3/4		3/4	
8	1,606.21	8	1,261.96	8	917.95	8	573.91	8	229.67	8		8		8		8		8	
1/4	1,599.04	1/4	1,254.78	1/4	910.79	1/4	566.74	1/4	222.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,591.87	1/2	1,247.61	1/2	903.63	1/2	559.57	1/2	215.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,584.70	3/4	1,240.44	3/4	896.48	3/4	552.39	3/4	208.15	3/4		3/4		3/4		3/4		3/4	
9	1,577.52	9	1,233.27	9	889.32	9	545.22	9	200.98	9		9		9		9		9	
1/4	1,570.35	1/4	1,226.10	1/4	882.16	1/4	538.05	1/4	193.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,563.18	1/2	1,218.92	1/2	875.00	1/2	530.88	1/2	186.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,556.01	3/4	1,211.75	3/4	867.84	3/4	523.71	3/4	179.47	3/4		3/4		3/4		3/4		3/4	
10	1,548.84	10	1,204.58	10	860.68	10	516.54	10	172.29	10		10		10		10		10	
1/4	1,541.66	1/4	1,197.41	1/4	853.52	1/4	509.36	1/4	165.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,534.49	1/2	1,190.24	1/2	846.36	1/2	502.19	1/2	157.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,527.32	3/4	1,183.06	3/4	839.20	3/4	495.02	3/4	150.78	3/4		3/4		3/4		3/4		3/4	
11	1,520.15	11	1,175.89	11	832.04	11	487.85	11	143.61	11		11		11		11		11	
1/4	1,512.98	1/4	1,168.72	1/4	824.89	1/4	480.68	1/4	136.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,505.80	1/2	1,161.55	1/2	817.73	1/2	473.51	1/2	129.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,498.63	3/4	1,154.38	3/4	810.56	3/4	466.33	3/4	122.10	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 03/20/2014 CL  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2014

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



# BARGE "CTCo 336"

## 3 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	4,429.99	0	4,196.95	0	3,949.60	0	3,698.02	0	3,363.35	0	3,000.34	0	2,637.06	0	2,274.80		
1/4	1/4		4,425.29	1/4	4,191.93	1/4	3,944.36	1/4	3,692.78	1/4	3,355.80	1/4	2,992.77	1/4	2,629.49	1/4	2,267.29		
1/2	1/2	4,649.37	4,420.59	1/2	4,186.91	1/2	3,939.12	1/2	3,687.54	1/2	3,348.26	1/2	2,985.20	1/2	2,621.91	1/2	2,259.78		
3/4	3/4	4,645.69	4,415.89	3/4	4,181.88	3/4	3,933.88	3/4	3,682.30	3/4	3,340.71	3/4	2,977.63	3/4	2,614.34	3/4	2,252.27		
1	1	4,642.00	4,411.19	1	4,176.86	1	3,928.64	1	3,677.06	1	3,333.17	1	2,970.06	1	2,606.76	1	2,244.75		
1/4	1/4	4,637.18	4,406.46	1/4	4,171.81	1/4	3,923.40	1/4	3,671.82	1/4	3,325.61	1/4	2,962.50	1/4	2,599.19	1/4	2,237.24		
1/2	1/2	4,632.36	4,401.72	1/2	4,166.75	1/2	3,918.16	1/2	3,666.57	1/2	3,318.06	1/2	2,954.93	1/2	2,591.61	1/2	2,229.73		
3/4	3/4	4,627.54	4,396.98	3/4	4,161.70	3/4	3,912.91	3/4	3,661.33	3/4	3,310.50	3/4	2,947.36	3/4	2,584.04	3/4	2,222.22		
2	2	4,622.72	4,392.25	2	4,156.65	2	3,907.67	2	3,656.09	2	3,302.95	2	2,939.79	2	2,576.46	2	2,214.71		
1/4	1/4	4,617.51	4,387.47	1/4	4,151.57	1/4	3,902.43	1/4	3,650.26	1/4	3,295.38	1/4	2,932.22	1/4	2,568.88	1/4	2,207.19		
1/2	1/2	4,612.31	4,382.70	1/2	4,146.49	1/2	3,897.19	1/2	3,644.44	1/2	3,287.82	1/2	2,924.66	1/2	2,561.31	1/2	2,199.68		
3/4	3/4	4,607.11	4,377.93	3/4	4,141.42	3/4	3,891.95	3/4	3,638.61	3/4	3,280.25	3/4	2,917.09	3/4	2,553.73	3/4	2,192.17		
3	3	4,601.91	4,373.16	3	4,136.34	3	3,886.71	3	3,632.78	3	3,272.69	3	2,909.52	3	2,546.16	3	2,184.66		
1/4	1/4	4,596.71	4,368.36	1/4	4,131.24	1/4	3,881.47	1/4	3,625.80	1/4	3,265.12	1/4	2,901.95	1/4	2,538.60	1/4	2,177.14		
1/2	1/2	4,591.50	4,363.56	1/2	4,126.14	1/2	3,876.23	1/2	3,618.81	1/2	3,257.56	1/2	2,894.38	1/2	2,531.05	1/2	2,169.63		
3/4	3/4	4,586.30	4,358.76	3/4	4,121.04	3/4	3,870.98	3/4	3,611.83	3/4	3,249.99	3/4	2,886.82	3/4	2,523.49	3/4	2,162.12		
4	4	4,581.10	4,353.96	4	4,115.94	4	3,865.74	4	3,604.84	4	3,242.43	4	2,879.25	4	2,515.94	4	2,154.61		
1/4	1/4	4,575.90	4,349.13	1/4	4,110.82	1/4	3,860.50	1/4	3,597.29	1/4	3,234.86	1/4	2,871.68	1/4	2,508.40	1/4	2,147.09		
1/2	1/2	4,570.70	4,344.31	1/2	4,105.70	1/2	3,855.26	1/2	3,589.73	1/2	3,227.30	1/2	2,864.11	1/2	2,500.86	1/2	2,139.58		
3/4	3/4	4,565.49	4,339.48	3/4	4,100.57	3/4	3,850.02	3/4	3,582.17	3/4	3,219.73	3/4	2,856.55	3/4	2,493.32	3/4	2,132.07		
5	5	4,560.29	4,334.66	5	4,095.45	5	3,844.78	5	3,574.62	5	3,212.17	5	2,848.98	5	2,485.79	5	2,124.56		
1/4	1/4	4,555.42	4,329.81	1/4	4,090.30	1/4	3,839.54	1/4	3,567.07	1/4	3,204.60	1/4	2,841.41	1/4	2,478.25	1/4	2,117.04		
1/2	1/2	4,550.54	4,324.96	1/2	4,085.15	1/2	3,834.30	1/2	3,559.52	1/2	3,197.04	1/2	2,833.84	1/2	2,470.71	1/2	2,109.53		
3/4	3/4	4,545.67	4,320.11	3/4	4,080.00	3/4	3,829.05	3/4	3,551.97	3/4	3,189.47	3/4	2,826.27	3/4	2,463.18	3/4	2,102.02		
6	6	4,540.79	4,315.27	6	4,074.86	6	3,823.81	6	3,544.42	6	3,181.91	6	2,818.71	6	2,455.64	6	2,094.51		
1/4	1/4	4,536.24	4,310.39	1/4	4,069.68	1/4	3,818.57	1/4	3,536.87	1/4	3,174.34	1/4	2,811.14	1/4	2,448.10	1/4	2,086.99		
1/2	1/2	4,531.68	4,305.52	1/2	4,064.51	1/2	3,813.33	1/2	3,529.33	1/2	3,166.78	1/2	2,803.57	1/2	2,440.57	1/2	2,079.48		
3/4	3/4	4,527.12	4,300.65	3/4	4,059.33	3/4	3,808.09	3/4	3,521.78	3/4	3,159.21	3/4	2,796.00	3/4	2,433.03	3/4	2,071.97		
7	7	4,522.56	4,295.78	7	4,054.16	7	3,802.85	7	3,514.24	7	3,151.64	7	2,788.43	7	2,425.49	7	2,064.46		
1/4	1/4	4,517.98	4,290.89	1/4	4,048.96	1/4	3,797.61	1/4	3,506.70	1/4	3,144.08	1/4	2,780.87	1/4	2,417.96	1/4	2,056.94		
1/2	1/2	4,513.41	4,285.99	1/2	4,043.76	1/2	3,792.36	1/2	3,499.15	1/2	3,136.51	1/2	2,773.30	1/2	2,410.42	1/2	2,049.43		
3/4	3/4	4,508.83	4,281.10	3/4	4,038.56	3/4	3,787.12	3/4	3,491.61	3/4	3,128.95	3/4	2,765.73	3/4	2,402.88	3/4	2,041.92		
8	8	4,504.25	4,276.20	8	4,033.36	8	3,781.88	8	3,484.06	8	3,121.38	8	2,758.16	8	2,395.35	8	2,034.41		
1/4	1/4	4,499.64	4,271.28	1/4	4,028.14	1/4	3,776.64	1/4	3,476.52	1/4	3,113.82	1/4	2,750.59	1/4	2,387.81	1/4	2,026.90		
1/2	1/2	4,495.04	4,266.37	1/2	4,022.92	1/2	3,771.40	1/2	3,468.97	1/2	3,106.25	1/2	2,743.03	1/2	2,380.27	1/2	2,019.38		
3/4	3/4	4,490.43	4,261.45	3/4	4,017.70	3/4	3,766.16	3/4	3,461.43	3/4	3,098.69	3/4	2,735.46	3/4	2,372.74	3/4	2,011.87		
9	9	4,485.83	4,256.53	9	4,012.48	9	3,760.92	9	3,453.88	9	3,091.12	9	2,727.89	9	2,365.20	9	2,004.36		
1/4	1/4	4,481.20	4,251.59	1/4	4,007.24	1/4	3,755.68	1/4	3,446.34	1/4	3,083.56	1/4	2,720.32	1/4	2,357.66	1/4	1,996.85		
1/2	1/2	4,476.57	4,246.65	1/2	4,002.01	1/2	3,750.43	1/2	3,438.79	1/2	3,075.99	1/2	2,712.75	1/2	2,350.13	1/2	1,989.33		
3/4	3/4	4,471.94	4,241.71	3/4	3,996.77	3/4	3,745.19	3/4	3,431.25	3/4	3,068.43	3/4	2,705.19	3/4	2,342.59	3/4	1,981.82		
10	10	4,467.31	4,236.77	10	3,991.53	10	3,739.95	10	3,423.70	10	3,060.86	10	2,697.62	10	2,335.05	10	1,974.31		
1/4	1/4	4,462.66	4,231.81	1/4	3,986.29	1/4	3,734.71	1/4	3,416.16	1/4	3,053.30	1/4	2,690.05	1/4	2,327.52	1/4	1,966.80		
1/2	1/2	4,458.00	4,226.84	1/2	3,981.05	1/2	3,729.47	1/2	3,408.62	1/2	3,045.73	1/2	2,682.48	1/2	2,319.98	1/2	1,959.28		
3/4	3/4	4,453.35	4,221.88	3/4	3,975.81	3/4	3,724.23	3/4	3,401.07	3/4	3,038.17	3/4	2,674.92	3/4	2,312.44	3/4	1,951.77		
11	11	4,448.70	4,216.91	11	3,970.57	11	3,718.99	11	3,393.53	11	3,030.60	11	2,667.35	11	2,304.90	11	1,944.26		
1/4	1/4	4,444.02	4,211.92	1/4	3,965.33	1/4	3,713.75	1/4	3,385.98	1/4	3,023.03	1/4	2,659.78	1/4	2,297.38	1/4	1,936.71		
1/2	1/2	4,439.34	4,206.93	1/2	3,960.09	1/2	3,708.50	1/2	3,378.44	1/2	3,015.47	1/2	2,652.20	1/2	2,289.85	1/2	1,929.17		
3/4	3/4	4,434.67	4,201.94	3/4	3,954.85	3/4	3,703.26	3/4	3,370.89	3/4	3,007.90	3/4	2,644.63	3/4	2,282.33	3/4	1,921.62		

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'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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

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



# BARGE "CTCo 336"

## 3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 15'-03"

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	1,914.08	0	1,550.47	0	1,187.28	0	834.04	0	470.23	0	106.46	0		0		0		0	
1/4	1,906.50	1/4	1,542.89	1/4	1,179.91	1/4	826.46	1/4	462.65	1/4	98.89	1/4		1/4		1/4		1/4	
1/2	1,898.93	1/2	1,535.32	1/2	1,172.55	1/2	818.88	1/2	455.07	1/2	91.33	1/2		1/2		1/2		1/2	
3/4	1,891.35	3/4	1,527.74	3/4	1,165.18	3/4	811.30	3/4	447.49	3/4	83.76	3/4		3/4		3/4		3/4	
1	1,883.78	1	1,520.17	1	1,157.82	1	803.72	1	439.92	1	76.20	1		1		1		1	
1/4	1,876.20	1/4	1,512.59	1/4	1,150.46	1/4	796.14	1/4	432.34	1/4	69.10	1/4		1/4		1/4		1/4	
1/2	1,868.63	1/2	1,505.02	1/2	1,143.10	1/2	788.56	1/2	424.76	1/2	62.00	1/2		1/2		1/2		1/2	
3/4	1,861.05	3/4	1,497.44	3/4	1,135.74	3/4	780.98	3/4	417.18	3/4	54.91	3/4		3/4		3/4		3/4	
2	1,853.48	2	1,489.87	2	1,128.38	2	773.40	2	409.60	2	47.81	2		2		2		2	
1/4	1,845.90	1/4	1,482.29	1/4	1,121.03	1/4	765.82	1/4	402.03	1/4	42.12	1/4		1/4		1/4		1/4	
1/2	1,838.33	1/2	1,474.72	1/2	1,113.68	1/2	758.24	1/2	394.45	1/2	36.42	1/2		1/2		1/2		1/2	
3/4	1,830.75	3/4	1,467.14	3/4	1,106.32	3/4	750.66	3/4	386.87	3/4	30.73	3/4		3/4		3/4		3/4	
3	1,823.18	3	1,459.57	3	1,098.97	3	743.08	3	379.29	3	25.04	3		3		3		3	
1/4	1,815.60	1/4	1,451.99	1/4	1,091.62	1/4	735.50	1/4	371.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,808.03	1/2	1,444.42	1/2	1,084.27	1/2	727.93	1/2	364.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,800.45	3/4	1,436.84	3/4	1,076.92	3/4	720.35	3/4	356.56	3/4		3/4		3/4		3/4		3/4	
4	1,792.88	4	1,429.27	4	1,069.57	4	712.77	4	348.98	4		4		4		4		4	
1/4	1,785.30	1/4	1,421.69	1/4	1,062.22	1/4	705.19	1/4	341.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,777.73	1/2	1,414.12	1/2	1,054.88	1/2	697.61	1/2	333.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,770.15	3/4	1,406.54	3/4	1,047.53	3/4	690.03	3/4	326.24	3/4		3/4		3/4		3/4		3/4	
5	1,762.57	5	1,398.97	5	1,040.19	5	682.45	5	318.67	5		5		5		5		5	
1/4	1,755.00	1/4	1,391.39	1/4	1,032.84	1/4	674.87	1/4	311.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,747.42	1/2	1,383.81	1/2	1,025.50	1/2	667.29	1/2	303.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,739.85	3/4	1,376.24	3/4	1,018.15	3/4	659.71	3/4	295.93	3/4		3/4		3/4		3/4		3/4	
6	1,732.27	6	1,368.66	6	1,010.80	6	652.13	6	288.35	6		6		6		6		6	
1/4	1,724.70	1/4	1,361.09	1/4	1,003.46	1/4	644.55	1/4	280.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,717.12	1/2	1,353.51	1/2	996.11	1/2	636.97	1/2	273.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,709.55	3/4	1,345.94	3/4	988.77	3/4	629.39	3/4	265.62	3/4		3/4		3/4		3/4		3/4	
7	1,701.97	7	1,338.36	7	981.42	7	621.81	7	258.04	7		7		7		7		7	
1/4	1,694.40	1/4	1,330.79	1/4	974.08	1/4	614.23	1/4	250.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,686.82	1/2	1,323.21	1/2	966.73	1/2	606.66	1/2	242.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,679.25	3/4	1,315.64	3/4	959.38	3/4	599.08	3/4	235.31	3/4		3/4		3/4		3/4		3/4	
8	1,671.67	8	1,308.06	8	952.04	8	591.50	8	227.73	8		8		8		8		8	
1/4	1,664.10	1/4	1,300.49	1/4	944.69	1/4	583.92	1/4	220.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,656.52	1/2	1,292.91	1/2	937.35	1/2	576.34	1/2	212.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,648.95	3/4	1,285.34	3/4	930.00	3/4	568.76	3/4	204.99	3/4		3/4		3/4		3/4		3/4	
9	1,641.37	9	1,277.76	9	922.65	9	561.18	9	197.41	9		9		9		9		9	
1/4	1,633.80	1/4	1,270.19	1/4	915.31	1/4	553.60	1/4	189.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,626.22	1/2	1,262.61	1/2	907.96	1/2	546.02	1/2	182.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,618.65	3/4	1,255.04	3/4	900.62	3/4	538.44	3/4	174.67	3/4		3/4		3/4		3/4		3/4	
10	1,611.07	10	1,247.46	10	893.27	10	530.86	10	167.09	10		10		10		10		10	
1/4	1,603.50	1/4	1,239.89	1/4	885.93	1/4	523.28	1/4	159.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,595.92	1/2	1,232.31	1/2	878.58	1/2	515.70	1/2	151.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,588.35	3/4	1,224.74	3/4	871.23	3/4	508.12	3/4	144.35	3/4		3/4		3/4		3/4		3/4	
11	1,580.77	11	1,217.16	11	863.89	11	500.54	11	136.77	11		11		11		11		11	
1/4	1,573.19	1/4	1,209.69	1/4	856.43	1/4	492.96	1/4	129.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,565.62	1/2	1,202.22	1/2	848.96	1/2	485.39	1/2	121.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,558.04	3/4	1,194.75	3/4	841.50	3/4	477.81	3/4	114.04	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 SW  
CALCULATED: 03/20/2014 CL  
PRINTED: 03/20/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2014

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



# BARGE "CTCo 336"

## 3 STBD

### ULLAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4	4,469.77	1/4	4,237.47	1/4	3,990.64	1/4	3,738.84	1/4	3,410.36	1/4	3,046.28	1/4	2,681.90	1/4	2,317.18		
1/2		1/2		1/2	4,465.09	1/2	4,232.47	1/2	3,985.40	1/2	3,733.59	1/2	3,402.79	1/2	3,038.69	1/2	2,674.31	1/2	2,309.58		
3/4		3/4		3/4	4,460.41	3/4	4,227.48	3/4	3,980.15	3/4	3,728.35	3/4	3,395.22	3/4	3,031.10	3/4	2,666.71	3/4	2,301.98		
1		1		1	4,455.73	1	4,222.48	1	3,974.91	1	3,723.10	1	3,387.65	1	3,023.51	1	2,659.12	1	2,294.38		
1/4		1/4		1/4	4,451.02	1/4	4,217.46	1/4	3,969.66	1/4	3,717.86	1/4	3,380.09	1/4	3,015.92	1/4	2,651.52	1/4	2,286.79		
1/2		1/2		1/2	4,446.32	1/2	4,212.43	1/2	3,964.41	1/2	3,712.61	1/2	3,372.52	1/2	3,008.33	1/2	2,643.92	1/2	2,279.19		
3/4		3/4		3/4	4,441.62	3/4	4,207.40	3/4	3,959.17	3/4	3,707.37	3/4	3,364.95	3/4	3,000.74	3/4	2,636.33	3/4	2,271.59		
2		2		2	4,436.91	2	4,202.37	2	3,953.92	2	3,702.12	2	3,357.38	2	2,993.15	2	2,628.73	2	2,263.99		
1/4		1/4		1/4	4,432.17	1/4	4,197.32	1/4	3,948.68	1/4	3,696.87	1/4	3,349.80	1/4	2,985.56	1/4	2,621.13	1/4	2,256.39		
1/2		1/2		1/2	4,427.43	1/2	4,192.26	1/2	3,943.43	1/2	3,691.63	1/2	3,342.22	1/2	2,977.97	1/2	2,613.53	1/2	2,248.79		
3/4		3/4		3/4	4,422.69	3/4	4,187.20	3/4	3,938.18	3/4	3,686.38	3/4	3,334.65	3/4	2,970.37	3/4	2,605.93	3/4	2,241.19		
3		3		3	4,417.95	3	4,182.14	3	3,932.94	3	3,681.14	3	3,327.07	3	2,962.78	3	2,598.33	3	2,233.59		
1/4		1/4		1/4	4,413.17	1/4	4,177.06	1/4	3,927.69	1/4	3,675.30	1/4	3,319.48	1/4	2,955.19	1/4	2,590.73	1/4	2,226.00		
1/2		1/2		1/2	4,408.40	1/2	4,171.98	1/2	3,922.45	1/2	3,669.47	1/2	3,311.89	1/2	2,947.60	1/2	2,583.13	1/2	2,218.40		
3/4		3/4		3/4	4,403.62	3/4	4,166.90	3/4	3,917.20	3/4	3,663.64	3/4	3,304.30	3/4	2,940.01	3/4	2,575.54	3/4	2,210.80		
4		4		4	4,398.84	4	4,161.82	4	3,911.96	4	3,657.80	4	3,296.71	4	2,932.42	4	2,567.94	4	2,203.20		
1/4		1/4		1/4	4,394.04	1/4	4,156.71	1/4	3,906.71	1/4	3,650.81	1/4	3,289.12	1/4	2,924.83	1/4	2,560.34	1/4	2,195.60		
1/2		1/2		1/2	4,389.24	1/2	4,151.61	1/2	3,901.46	1/2	3,643.82	1/2	3,281.54	1/2	2,917.23	1/2	2,552.74	1/2	2,188.00		
3/4		3/4		3/4	4,384.43	3/4	4,146.50	3/4	3,896.22	3/4	3,636.82	3/4	3,273.95	3/4	2,909.64	3/4	2,545.14	3/4	2,180.40		
5		5		5	4,379.63	5	4,141.40	5	3,890.97	5	3,629.83	5	3,266.36	5	2,902.05	5	2,537.54	5	2,172.81		
1/4		1/4		1/4	4,374.80	1/4	4,136.27	1/4	3,885.73	1/4	3,622.26	1/4	3,258.77	1/4	2,894.46	1/4	2,529.94	1/4	2,165.21		
1/2		1/2		1/2	4,369.97	1/2	4,131.15	1/2	3,880.48	1/2	3,614.69	1/2	3,251.18	1/2	2,886.87	1/2	2,522.35	1/2	2,157.61		
3/4		3/4		3/4	4,365.14	3/4	4,126.02	3/4	3,875.23	3/4	3,607.13	3/4	3,243.59	3/4	2,879.28	3/4	2,514.75	3/4	2,150.01		
6		6		6	4,360.31	6	4,120.89	6	3,869.99	6	3,599.56	6	3,236.00	6	2,871.69	6	2,507.15	6	2,142.41		
1/4		1/4		1/4	4,355.46	1/4	4,115.74	1/4	3,864.74	1/4	3,591.99	1/4	3,228.41	1/4	2,864.09	1/4	2,499.55	1/4	2,134.81		
1/2		1/2		1/2	4,350.61	1/2	4,110.58	1/2	3,859.50	1/2	3,584.42	1/2	3,220.83	1/2	2,856.50	1/2	2,491.95	1/2	2,127.21		
3/4		3/4		3/4	4,345.75	3/4	4,105.43	3/4	3,854.25	3/4	3,576.85	3/4	3,213.24	3/4	2,848.91	3/4	2,484.35	3/4	2,119.61		
7		7		7	4,340.90	7	4,100.28	7	3,849.00	7	3,569.29	7	3,205.65	7	2,841.32	7	2,476.75	7	2,112.02		
1/4		1/4		1/4	4,336.03	1/4	4,095.10	1/4	3,843.76	1/4	3,561.72	1/4	3,198.06	1/4	2,833.73	1/4	2,469.15	1/4	2,104.42		
1/2		1/2		1/2	4,331.15	1/2	4,089.92	1/2	3,838.51	1/2	3,554.15	1/2	3,190.47	1/2	2,826.14	1/2	2,461.56	1/2	2,096.82		
3/4		3/4		3/4	4,326.27	3/4	4,084.74	3/4	3,833.27	3/4	3,546.58	3/4	3,182.88	3/4	2,818.55	3/4	2,453.96	3/4	2,089.22		
8		8		8	4,321.40	8	4,079.56	8	3,828.02	8	3,539.01	8	3,175.29	8	2,810.95	8	2,446.36	8	2,081.62		
1/4		1/4		1/4	4,316.50	1/4	4,074.36	1/4	3,822.78	1/4	3,531.45	1/4	3,167.70	1/4	2,803.36	1/4	2,438.76	1/4	2,074.02		
1/2		1/2		1/2	4,311.60	1/2	4,069.15	1/2	3,817.53	1/2	3,523.88	1/2	3,160.12	1/2	2,795.77	1/2	2,431.16	1/2	2,066.42		
3/4		3/4		3/4	4,306.70	3/4	4,063.95	3/4	3,812.28	3/4	3,516.31	3/4	3,152.53	3/4	2,788.18	3/4	2,423.56	3/4	2,058.82		
9		9		9	4,301.80	9	4,058.75	9	3,807.04	9	3,508.74	9	3,144.94	9	2,780.59	9	2,415.96	9	2,051.23		
1/4		1/4		1/4	4,296.88	1/4	4,053.52	1/4	3,801.79	1/4	3,501.17	1/4	3,137.35	1/4	2,773.00	1/4	2,408.36	1/4	2,043.63		
1/2		1/2		1/2	4,291.96	1/2	4,048.30	1/2	3,796.55	1/2	3,493.61	1/2	3,129.76	1/2	2,765.41	1/2	2,400.77	1/2	2,036.03		
3/4		3/4		3/4	4,287.04	3/4	4,043.07	3/4	3,791.30	3/4	3,486.04	3/4	3,122.17	3/4	2,757.81	3/4	2,393.17	3/4	2,028.43		
10		10		10	4,282.12	10	4,037.84	10	3,786.05	10	3,478.47	10	3,114.58	10	2,750.22	10	2,385.57	10	2,020.83		
1/4		1/4		1/4	4,277.17	1/4	4,032.60	1/4	3,780.81	1/4	3,470.90	1/4	3,107.00	1/4	2,742.63	1/4	2,377.97	1/4	2,013.23		
1/2		1/2		1/2	4,272.23	1/2	4,027.36	1/2	3,775.56	1/2	3,463.33	1/2	3,099.41	1/2	2,735.04	1/2	2,370.37	1/2	2,005.63		
3/4		3/4		3/4	4,267.28	3/4	4,022.12	3/4	3,770.32	3/4	3,455.77	3/4	3,091.82	3/4	2,727.45	3/4	2,362.77	3/4	1,998.03		
11		11		11	4,262.34	11	4,016.87	11	3,765.07	11	3,448.20	11	3,084.23	11	2,719.86	11	2,355.17	11	1,990.44		
1/4		1/4		1/4	4,257.37	1/4	4,011.63	1/4	3,759.82	1/4	3,440.63	1/4	3,076.64	1/4	2,712.27	1/4	2,347.58	1/4	1,982.84		
1/2		1/2		1/2	4,252.40	1/2	4,006.38	1/2	3,754.58	1/2	3,433.06	1/2	3,069.05	1/2	2,704.67	1/2	2,339.98	1/2	1,975.24		
3/4		3/4		3/4	4,247.43	3/4	4,001.14	3/4	3,749.33	3/4	3,425.49	3/4	3,061.46	3/4	2,697.08	3/4	2,332.38	3/4	1,967.64		
12		12		12	4,242.46	12	3,995.89	12	3,744.09	12	3,417.93	12	3,053.87	12	2,689.49	12	2,324.78	12	1,960.04		

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'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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





# BARGE "CTCo 336"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,952.44	0	1,587.71	0	1,222.97	0	858.76	0	494.06	0	129.34	0		0		0		0	
1/4	1,944.84	1/4	1,580.11	1/4	1,215.37	1/4	851.17	1/4	486.46	1/4	121.75	1/4		1/4		1/4		1/4	
1/2	1,937.25	1/2	1,572.51	1/2	1,207.77	1/2	843.58	1/2	478.86	1/2	114.16	1/2		1/2		1/2		1/2	
3/4	1,929.65	3/4	1,564.91	3/4	1,200.17	3/4	835.99	3/4	471.26	3/4	106.57	3/4		3/4		3/4		3/4	
1	1,922.05	1	1,557.31	1	1,192.57	1	828.39	1	463.67	1	98.99	1		1		1		1	
1/4	1,914.45	1/4	1,549.71	1/4	1,184.97	1/4	820.79	1/4	456.07	1/4	91.42	1/4		1/4		1/4		1/4	
1/2	1,906.85	1/2	1,542.11	1/2	1,177.38	1/2	813.19	1/2	448.47	1/2	83.84	1/2		1/2		1/2		1/2	
3/4	1,899.25	3/4	1,534.51	3/4	1,169.78	3/4	805.59	3/4	440.87	3/4	76.27	3/4		3/4		3/4		3/4	
2	1,891.65	2	1,526.92	2	1,162.18	2	797.99	2	433.27	2	69.16	2		2		2		2	
1/4	1,884.05	1/4	1,519.32	1/4	1,154.59	1/4	790.40	1/4	425.67	1/4	62.06	1/4		1/4		1/4		1/4	
1/2	1,876.46	1/2	1,511.72	1/2	1,146.99	1/2	782.80	1/2	418.07	1/2	54.96	1/2		1/2		1/2		1/2	
3/4	1,868.86	3/4	1,504.12	3/4	1,139.40	3/4	775.20	3/4	410.48	3/4	47.85	3/4		3/4		3/4		3/4	
3	1,861.26	3	1,496.52	3	1,131.81	3	767.60	3	402.88	3	42.15	3		3		3		3	
1/4	1,853.66	1/4	1,488.92	1/4	1,124.22	1/4	760.00	1/4	395.28	1/4	36.45	1/4		1/4		1/4		1/4	
1/2	1,846.06	1/2	1,481.32	1/2	1,116.63	1/2	752.40	1/2	387.68	1/2	30.76	1/2		1/2		1/2		1/2	
3/4	1,838.46	3/4	1,473.72	3/4	1,109.04	3/4	744.81	3/4	380.08	3/4	25.06	3/4		3/4		3/4		3/4	
4	1,830.86	4	1,466.13	4	1,101.45	4	737.21	4	372.48	10		4		4		4		4	
1/4	1,823.26	1/4	1,458.53	1/4	1,093.86	1/4	729.61	1/4	364.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,815.67	1/2	1,450.93	1/2	1,086.27	1/2	722.01	1/2	357.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,808.07	3/4	1,443.33	3/4	1,078.69	3/4	714.41	3/4	349.69	3/4		3/4		3/4		3/4		3/4	
5	1,800.47	5	1,435.73	5	1,071.10	5	706.81	5	342.09	5		5		5		5		5	
1/4	1,792.87	1/4	1,428.13	1/4	1,063.52	1/4	699.22	1/4	334.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,785.27	1/2	1,420.53	1/2	1,055.94	1/2	691.62	1/2	326.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,777.67	3/4	1,412.94	3/4	1,048.35	3/4	684.02	3/4	319.30	3/4		3/4		3/4		3/4		3/4	
6	1,770.07	6	1,405.34	6	1,040.77	6	676.42	6	311.70	6		6		6		6		6	
1/4	1,762.48	1/4	1,397.74	1/4	1,033.19	1/4	668.82	1/4	304.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,754.88	1/2	1,390.14	1/2	1,025.60	1/2	661.22	1/2	296.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,747.28	3/4	1,382.54	3/4	1,018.02	3/4	653.63	3/4	288.90	3/4		3/4		3/4		3/4		3/4	
7	1,739.68	7	1,374.94	7	1,010.44	7	646.03	7	281.30	7		7		7		7		7	
1/4	1,732.08	1/4	1,367.34	1/4	1,002.85	1/4	638.43	1/4	273.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,724.48	1/2	1,359.74	1/2	995.27	1/2	630.83	1/2	266.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,716.88	3/4	1,352.15	3/4	987.69	3/4	623.23	3/4	258.51	3/4		3/4		3/4		3/4		3/4	
8	1,709.28	8	1,344.55	8	980.10	8	615.63	8	250.91	8		8		8		8		8	
1/4	1,701.69	1/4	1,336.95	1/4	972.52	1/4	608.03	1/4	243.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,694.09	1/2	1,329.35	1/2	964.94	1/2	600.44	1/2	235.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,686.49	3/4	1,321.75	3/4	957.35	3/4	592.84	3/4	228.11	3/4		3/4		3/4		3/4		3/4	
9	1,678.89	9	1,314.15	9	949.77	9	585.24	9	220.52	9		9		9		9		9	
1/4	1,671.29	1/4	1,306.55	1/4	942.19	1/4	577.64	1/4	212.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,663.69	1/2	1,298.95	1/2	934.60	1/2	570.04	1/2	205.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,656.09	3/4	1,291.36	3/4	927.02	3/4	562.44	3/4	197.72	3/4		3/4		3/4		3/4		3/4	
10	1,648.49	10	1,283.76	10	919.44	10	554.85	10	190.12	10		10		10		10		10	
1/4	1,640.90	1/4	1,276.16	1/4	911.85	1/4	547.25	1/4	182.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,633.30	1/2	1,268.56	1/2	904.27	1/2	539.65	1/2	174.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,625.70	3/4	1,260.96	3/4	896.69	3/4	532.05	3/4	167.33	3/4		3/4		3/4		3/4		3/4	
11	1,618.10	11	1,253.36	11	889.10	11	524.45	11	159.73	11		11		11		11		11	
1/4	1,610.50	1/4	1,245.76	1/4	881.52	1/4	516.85	1/4	152.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,602.90	1/2	1,238.16	1/2	873.94	1/2	509.26	1/2	144.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,595.30	3/4	1,230.57	3/4	866.35	3/4	501.66	3/4	136.94	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 SW  
CALCULATED: 03/20/2014 CL  
PRINTED: 03/20/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2014

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