



# BARGE "KIRBY 10087"

## 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 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 CENTER	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	00-5/8	- 00-5/8
3 CENTER	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	00-4/8	- 00-4/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

**EXAMPLE FOR ABOVE TRIM CORRECTIONS:**

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-1/4"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4'

LENGTH BETWEEN DRAFT MARKS: 164'-00"

March 4, 2010

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 10087"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	0	0	0	0	3,787.48	0	3,550.50	0	3,297.98	0	3,045.45	0	2,786.26	0	2,490.34	0	2,193.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,786.45	1/4	3,545.24	1/4	3,292.71	1/4	3,040.19	1/4	2,780.10	1/4	2,484.16	1/4	2,187.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,783.35	1/2	3,539.98	1/2	3,287.45	1/2	3,034.93	1/2	2,773.94	1/2	2,477.99	1/2	2,181.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,780.25	3/4	3,534.72	3/4	3,282.19	3/4	3,029.66	3/4	2,767.78	3/4	2,471.81	3/4	2,175.20
1	1	1	1	1	1	1	3,777.14	1	3,529.46	1	3,276.93	1	3,024.40	1	2,761.61	1	2,465.63	1	2,169.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,774.04	1/4	3,524.20	1/4	3,271.67	1/4	3,019.14	1/4	2,755.45	1/4	2,459.45	1/4	2,162.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,768.87	1/2	3,518.94	1/2	3,266.41	1/2	3,013.88	1/2	2,749.29	1/2	2,453.27	1/2	2,156.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,763.71	3/4	3,513.68	3/4	3,261.15	3/4	3,008.62	3/4	2,743.13	3/4	2,447.09	3/4	2,150.49
2	2	2	2	2	2	2	3,758.54	2	3,508.42	2	3,255.89	2	3,003.36	2	2,736.97	2	2,440.91	2	2,144.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,753.37	1/4	3,503.15	1/4	3,250.63	1/4	2,998.10	1/4	2,730.81	1/4	2,434.73	1/4	2,138.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,748.24	1/2	3,497.89	1/2	3,245.37	1/2	2,992.84	1/2	2,724.65	1/2	2,428.55	1/2	2,131.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,743.12	3/4	3,492.63	3/4	3,240.10	3/4	2,987.58	3/4	2,718.49	3/4	2,422.37	3/4	2,125.77
3	3	3	3	3	3	3	3,737.99	3	3,487.37	3	3,234.84	3	2,982.32	3	2,712.33	3	2,416.19	3	2,119.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,732.86	1/4	3,482.11	1/4	3,229.58	1/4	2,977.05	1/4	2,706.17	1/4	2,410.01	1/4	2,113.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,727.70	1/2	3,476.85	1/2	3,224.32	1/2	2,971.79	1/2	2,700.01	1/2	2,403.84	1/2	2,107.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,722.54	3/4	3,471.59	3/4	3,219.06	3/4	2,966.53	3/4	2,693.85	3/4	2,397.66	3/4	2,101.05
4	4	4	4	4	4	4	3,717.38	4	3,466.33	4	3,213.80	4	2,961.27	4	2,687.69	4	2,391.48	4	2,094.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,712.22	1/4	3,461.07	1/4	3,208.54	1/4	2,956.01	1/4	2,681.53	1/4	2,385.30	1/4	2,088.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,707.04	1/2	3,455.81	1/2	3,203.28	1/2	2,950.75	1/2	2,675.37	1/2	2,379.12	1/2	2,082.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,701.86	3/4	3,450.54	3/4	3,198.02	3/4	2,945.49	3/4	2,669.21	3/4	2,372.94	3/4	2,076.34
5	5	5	5	5	5	5	3,696.68	5	3,445.28	5	3,192.76	5	2,940.23	5	2,663.05	5	2,366.76	5	2,070.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,691.51	1/4	3,440.02	1/4	3,187.49	1/4	2,934.97	1/4	2,656.88	1/4	2,360.58	1/4	2,063.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,686.33	1/2	3,434.76	1/2	3,182.23	1/2	2,929.71	1/2	2,650.72	1/2	2,354.40	1/2	2,057.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,681.16	3/4	3,429.50	3/4	3,176.97	3/4	2,924.44	3/4	2,644.56	3/4	2,348.22	3/4	2,051.62
6	6	6	6	6	6	6	3,675.98	6	3,424.24	6	3,171.71	6	2,919.18	6	2,638.40	6	2,342.04	6	2,045.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,670.80	1/4	3,418.98	1/4	3,166.45	1/4	2,913.92	1/4	2,632.24	1/4	2,335.86	1/4	2,039.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,665.63	1/2	3,413.72	1/2	3,161.19	1/2	2,908.66	1/2	2,626.08	1/2	2,329.68	1/2	2,033.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,660.46	3/4	3,408.46	3/4	3,155.93	3/4	2,903.40	3/4	2,619.92	3/4	2,323.51	3/4	2,026.90
7	7	7	7	7	7	7	3,655.28	7	3,403.20	7	3,150.67	7	2,898.14	7	2,613.76	7	2,317.33	7	2,020.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,650.11	1/4	3,397.93	1/4	3,145.41	1/4	2,892.88	1/4	2,607.60	1/4	2,311.15	1/4	2,014.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,644.94	1/2	3,392.67	1/2	3,140.15	1/2	2,887.62	1/2	2,601.44	1/2	2,304.97	1/2	2,008.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,639.76	3/4	3,387.41	3/4	3,134.88	3/4	2,882.36	3/4	2,595.28	3/4	2,298.79	3/4	2,002.19
8	8	8	8	8	8	8	3,634.59	8	3,382.15	8	3,129.62	8	2,877.10	8	2,589.12	8	2,292.61	8	1,996.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,629.42	1/4	3,376.89	1/4	3,124.36	1/4	2,871.83	1/4	2,582.96	1/4	2,286.43	1/4	1,989.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,624.16	1/2	3,371.63	1/2	3,119.10	1/2	2,866.55	1/2	2,576.80	1/2	2,280.25	1/2	1,983.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,618.90	3/4	3,366.37	3/4	3,113.84	3/4	2,861.26	3/4	2,570.64	3/4	2,274.07	3/4	1,977.47
9	9	9	9	9	9	9	3,613.64	9	3,361.11	9	3,108.58	9	2,855.98	9	2,564.48	9	2,267.89	9	1,971.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,608.37	1/4	3,355.85	1/4	3,103.32	1/4	2,850.69	1/4	2,558.32	1/4	2,261.71	1/4	1,965.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,603.11	1/2	3,350.59	1/2	3,098.06	1/2	2,845.41	1/2	2,552.14	1/2	2,255.53	1/2	1,958.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,597.85	3/4	3,345.32	3/4	3,092.80	3/4	2,840.12	3/4	2,545.96	3/4	2,249.36	3/4	1,952.75
10	10	10	10	10	10	10	3,592.59	10	3,340.06	10	3,087.54	10	2,834.83	10	2,539.78	10	2,243.18	10	1,946.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,587.33	1/4	3,334.80	1/4	3,082.27	1/4	2,829.55	1/4	2,533.60	1/4	2,237.00	1/4	1,940.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,582.07	1/2	3,329.54	1/2	3,077.01	1/2	2,823.35	1/2	2,527.42	1/2	2,230.82	1/2	1,934.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,576.81	3/4	3,324.28	3/4	3,071.75	3/4	2,817.14	3/4	2,521.24	3/4	2,224.64	3/4	1,928.04
11	11	11	11	11	11	11	3,571.55	11	3,319.02	11	3,066.49	11	2,810.94	11	2,515.06	11	2,218.46	11	1,921.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,566.29	1/4	3,313.76	1/4	3,061.23	1/4	2,804.74	1/4	2,508.88	1/4	2,212.28	1/4	1,915.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,561.03	1/2	3,308.50	1/2	3,055.97	1/2	2,798.58	1/2	2,502.70	1/2	2,206.10	1/2	1,909.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,788.52	3/4	3,555.76	3/4	3,303.24	3/4	3,050.71	3/4	2,792.42	3/4	2,496.52	3/4	2,199.92

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.  
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 32'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 10087"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

10 FT.			11 FT.			12 FT.			13 FT.			14 FT.			15 FT.			16 FT.			17 FT.			18 FT.			19 FT.		
IN			IN			IN			IN			IN			IN			IN			IN			IN			IN		
0		1,897.14	0		1,600.31	0		1,303.29	0		1,006.28	0		715.21	0		418.17	0		120.95	0			0			0		
1/4		1,890.96	1/4		1,594.12	1/4		1,297.11	1/4		1,000.09	1/4		709.12	1/4		411.97	1/4		114.76	1/4		1/4		1/4		1/4		1/4
1/2		1,884.78	1/2		1,587.93	1/2		1,290.92	1/2		993.90	1/2		702.94	1/2		405.78	1/2		108.60	1/2		1/2		1/2		1/2		1/2
3/4		1,878.60	3/4		1,581.75	3/4		1,284.73	3/4		987.72	3/4		696.77	3/4		399.59	3/4		102.43	3/4		3/4		3/4		3/4		3/4
1		1,872.42	1		1,575.56	1		1,278.54	1		981.53	1		690.60	1		393.40	1		96.27	1		1		1		1		1
1/4		1,866.24	1/4		1,569.37	1/4		1,272.36	1/4		975.34	1/4		684.42	1/4		387.21	1/4		90.10	1/4		1/4		1/4		1/4		1/4
1/2		1,860.07	1/2		1,563.18	1/2		1,266.17	1/2		969.22	1/2		678.23	1/2		381.01	1/2		83.97	1/2		1/2		1/2		1/2		1/2
3/4		1,853.89	3/4		1,556.99	3/4		1,259.98	3/4		963.09	3/4		672.04	3/4		374.82	3/4		77.84	3/4		3/4		3/4		3/4		3/4
2		1,847.71	2		1,550.81	2		1,253.79	2		956.97	2		665.85	2		368.63	2		71.71	2		2		2		2		2
1/4		1,841.53	1/4		1,544.62	1/4		1,247.60	1/4		950.84	1/4		659.66	1/4		362.44	1/4		65.58	1/4		1/4		1/4		1/4		1/4
1/2		1,835.35	1/2		1,538.43	1/2		1,241.42	1/2		944.78	1/2		653.46	1/2		356.24	1/2		59.50	1/2		1/2		1/2		1/2		1/2
3/4		1,829.17	3/4		1,532.24	3/4		1,235.23	3/4		938.72	3/4		647.27	3/4		350.05	3/4		53.42	3/4		3/4		3/4		3/4		3/4
3		1,822.99	3		1,526.05	3		1,229.04	3		932.66	3		641.08	3		343.86	3		47.35	3		3		3		3		3
1/4		1,816.81	1/4		1,519.87	1/4		1,222.85	1/4		926.59	1/4		634.89	1/4		337.67	1/4		41.27	1/4		1/4		1/4		1/4		1/4
1/2		1,810.62	1/2		1,513.68	1/2		1,216.66	1/2		920.53	1/2		628.70	1/2		331.48	1/2		36.11	1/2		1/2		1/2		1/2		1/2
3/4		1,804.44	3/4		1,507.49	3/4		1,210.48	3/4		914.47	3/4		622.50	3/4		325.28	3/4		30.95	3/4		3/4		3/4		3/4		3/4
4		1,798.25	4		1,501.30	4		1,204.29	4		908.41	4		616.31	4		319.09	4		25.79	4		4		4		4		4
1/4		1,792.06	1/4		1,495.12	1/4		1,198.10	1/4		902.35	1/4		610.12	1/4		312.90	1/4		20.63	1/4		1/4		1/4		1/4		1/4
1/2		1,785.87	1/2		1,488.93	1/2		1,191.91	1/2		896.31	1/2		603.93	1/2		306.71	1/2		17.53	1/2		1/2		1/2		1/2		1/2
3/4		1,779.68	3/4		1,482.74	3/4		1,185.73	3/4		890.26	3/4		597.74	3/4		300.52	3/4		14.43	3/4		3/4		3/4		3/4		3/4
5		1,773.50	5		1,476.55	5		1,179.54	5		884.22	5		591.54	5		294.32	5		11.33	5		5		5		5		5
1/4		1,767.31	1/4		1,470.36	1/4		1,173.35	1/4		878.17	1/4		585.35	1/4		288.13	1/4		8.22	1/4		1/4		1/4		1/4		1/4
1/2		1,761.12	1/2		1,464.18	1/2		1,167.16	1/2		872.14	1/2		579.16	1/2		281.94	1/2		7.19	1/2		1/2		1/2		1/2		1/2
3/4		1,754.93	3/4		1,457.99	3/4		1,160.97	3/4		866.11	3/4		572.97	3/4		275.75	3/4		6.16	3/4		3/4		3/4		3/4		3/4
6		1,748.75	6		1,451.80	6		1,154.79	6		860.09	6		566.78	6		269.56	6		5.12	6		6		6		6		6
1/4		1,742.56	1/4		1,445.61	1/4		1,148.60	1/4		854.06	1/4		560.58	1/4		263.36	1/4		4.09	1/4		1/4		1/4		1/4		1/4
1/2		1,736.37	1/2		1,439.43	1/2		1,142.41	1/2		848.03	1/2		554.39	1/2		257.17	1/2			1/2		1/2		1/2		1/2		1/2
3/4		1,730.19	3/4		1,433.24	3/4		1,136.22	3/4		842.00	3/4		548.20	3/4		250.98	3/4			3/4		3/4		3/4		3/4		3/4
7		1,724.00	7		1,427.05	7		1,130.04	7		835.97	7		542.01	7		244.79	7			7		7		7		7		7
1/4		1,717.81	1/4		1,420.86	1/4		1,123.85	1/4		829.94	1/4		535.82	1/4		238.59	1/4			1/4		1/4		1/4		1/4		1/4
1/2		1,711.63	1/2		1,414.67	1/2		1,117.66	1/2		823.91	1/2		529.62	1/2		232.40	1/2			1/2		1/2		1/2		1/2		1/2
3/4		1,705.45	3/4		1,408.49	3/4		1,111.47	3/4		817.89	3/4		523.43	3/4		226.21	3/4			3/4		3/4		3/4		3/4		3/4
8		1,699.26	8		1,402.30	8		1,105.28	8		811.86	8		517.24	8		220.02	8			8		8		8		8		8
1/4		1,693.08	1/4		1,396.11	1/4		1,099.10	1/4		805.83	1/4		511.05	1/4		213.83	1/4			1/4		1/4		1/4		1/4		1/4
1/2		1,686.89	1/2		1,389.92	1/2		1,092.91	1/2		799.80	1/2		504.85	1/2		207.63	1/2			1/2		1/2		1/2		1/2		1/2
3/4		1,680.71	3/4		1,383.74	3/4		1,086.72	3/4		793.77	3/4		498.66	3/4		201.44	3/4			3/4		3/4		3/4		3/4		3/4
9		1,674.52	9		1,377.55	9		1,080.53	9		787.74	9		492.47	9		195.25	9			9		9		9		9		9
1/4		1,668.34	1/4		1,371.36	1/4		1,074.35	1/4		781.72	1/4		486.28	1/4		189.06	1/4			1/4		1/4		1/4		1/4		1/4
1/2		1,662.15	1/2		1,365.17	1/2		1,068.16	1/2		775.69	1/2		480.09	1/2		182.87	1/2			1/2		1/2		1/2		1/2		1/2
3/4		1,655.97	3/4		1,358.98	3/4		1,061.97	3/4		769.66	3/4		473.89	3/4		176.68	3/4			3/4		3/4		3/4		3/4		3/4
10		1,649.78	10		1,352.80	10		1,055.78	10		763.63	10		467.70	10		170.48	10			10		10		10		10		10
1/4		1,643.60	1/4		1,346.61	1/4		1,049.59	1/4		757.60	1/4		461.51	1/4		164.29	1/4			1/4		1/4		1/4		1/4		1/4
1/2		1,637.41	1/2		1,340.42	1/2		1,043.41	1/2		751.57	1/2		455.32	1/2		158.09	1/2			1/2		1/2		1/2		1/2		1/2
3/4		1,631.23	3/4		1,334.23	3/4		1,037.22	3/4		745.54	3/4		449.13	3/4		151.90	3/4			3/4		3/4		3/4		3/4		3/4
11		1,625.04	11		1,328.05	11		1,031.03	11		739.52	11		442.93	11		145.70	11			11		11		11		11		11
1/4		1,618.86	1/4		1,321.86	1/4		1,024.84	1/4		733.49	1/4		436.74	1/4		139.50	1/4			1/4		1/4		1/4		1/4		1/4
1/2		1,612.67	1/2		1,315.67	1/2		1,018.66	1/2		727.40	1/2		430.55	1/2		133.32	1/2			1/2		1/2		1/2		1/2		1/2
3/4		1,606.49	3/4		1,309.48	3/4		1,012.47	3/4		721.30	3/4		424.36	3/4		127.13	3/4			3/4		3/4		3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/04/2010 CL - SW  
CALCULATED: 03/04/2010 CL  
PRINTED: 03/04/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2010

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





# BARGE "KIRBY 10087"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0	3,490.77	0	3,246.05	0	2,984.41	0	2,722.77	0	2,460.66	0	2,197.61	0	1,934.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,488.03	1/4	3,240.60	1/4	2,978.96	1/4	2,717.31	1/4	2,455.18	1/4	2,192.13	1/4	1,929.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,485.29	1/2	3,235.15	1/2	2,973.51	1/2	2,711.86	1/2	2,449.70	1/2	2,186.65	1/2	1,923.61		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,482.55	3/4	3,229.70	3/4	2,968.06	3/4	2,706.41	3/4	2,444.22	3/4	2,181.17	3/4	1,918.13		
1		1		1		1	3,479.81	1	3,224.25	1	2,962.61	1	2,700.96	1	2,438.73	1	2,175.69	1	1,912.65		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,475.24	1/4	3,218.80	1/4	2,957.15	1/4	2,695.51	1/4	2,433.25	1/4	2,170.21	1/4	1,907.17		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,470.67	1/2	3,213.35	1/2	2,951.70	1/2	2,690.06	1/2	2,427.77	1/2	2,164.73	1/2	1,901.69		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,466.10	3/4	3,207.90	3/4	2,946.25	3/4	2,684.61	3/4	2,422.29	3/4	2,159.25	3/4	1,896.21		
2		2		2		2	3,461.53	2	3,202.44	2	2,940.80	2	2,679.16	2	2,416.81	2	2,153.77	2	1,890.72		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,456.22	1/4	3,196.99	1/4	2,935.35	1/4	2,673.71	1/4	2,411.33	1/4	2,148.29	1/4	1,885.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,450.91	1/2	3,191.54	1/2	2,929.90	1/2	2,668.26	1/2	2,405.85	1/2	2,142.81	1/2	1,879.76		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,445.60	3/4	3,186.09	3/4	2,924.45	3/4	2,662.81	3/4	2,400.37	3/4	2,137.33	3/4	1,874.28		
3		3		3		3	3,440.29	3	3,180.64	3	2,919.00	3	2,657.35	3	2,394.89	3	2,131.85	3	1,868.80		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,434.95	1/4	3,175.19	1/4	2,913.55	1/4	2,651.90	1/4	2,389.41	1/4	2,126.37	1/4	1,863.32		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,429.60	1/2	3,169.74	1/2	2,908.10	1/2	2,646.45	1/2	2,383.93	1/2	2,120.89	1/2	1,857.84		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,424.26	3/4	3,164.29	3/4	2,902.65	3/4	2,641.00	3/4	2,378.45	3/4	2,115.41	3/4	1,852.36		
4		4		4		4	3,418.92	4	3,158.84	4	2,897.19	4	2,635.55	4	2,372.97	4	2,109.93	4	1,846.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,413.56	1/4	3,153.39	1/4	2,891.74	1/4	2,630.10	1/4	2,367.49	1/4	2,104.45	1/4	1,841.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,408.21	1/2	3,147.94	1/2	2,886.29	1/2	2,624.65	1/2	2,362.01	1/2	2,098.97	1/2	1,835.92		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,402.85	3/4	3,142.49	3/4	2,880.84	3/4	2,619.20	3/4	2,356.53	3/4	2,093.49	3/4	1,830.44		
5		5		5		5	3,397.50	5	3,137.03	5	2,875.39	5	2,613.75	5	2,351.05	5	2,088.01	5	1,824.96		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,392.15	1/4	3,131.58	1/4	2,869.94	1/4	2,608.30	1/4	2,345.57	1/4	2,082.53	1/4	1,819.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,386.79	1/2	3,126.13	1/2	2,864.49	1/2	2,602.85	1/2	2,340.09	1/2	2,077.05	1/2	1,814.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,381.43	3/4	3,120.68	3/4	2,859.04	3/4	2,597.40	3/4	2,334.61	3/4	2,071.57	3/4	1,808.52		
6		6		6		6	3,376.08	6	3,115.23	6	2,853.59	6	2,591.94	6	2,329.13	6	2,066.09	6	1,803.04		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,370.73	1/4	3,109.78	1/4	2,848.14	1/4	2,586.49	1/4	2,323.65	1/4	2,060.61	1/4	1,797.56		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,365.38	1/2	3,104.33	1/2	2,842.69	1/2	2,581.04	1/2	2,318.17	1/2	2,055.13	1/2	1,792.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,360.02	3/4	3,098.88	3/4	2,837.23	3/4	2,575.59	3/4	2,312.69	3/4	2,049.65	3/4	1,786.60		
7		7		7		7	3,354.67	7	3,093.43	7	2,831.78	7	2,570.14	7	2,307.21	7	2,044.17	7	1,781.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,349.32	1/4	3,087.98	1/4	2,826.33	1/4	2,564.69	1/4	2,301.73	1/4	2,038.69	1/4	1,775.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,343.97	1/2	3,082.53	1/2	2,820.88	1/2	2,559.24	1/2	2,296.25	1/2	2,033.21	1/2	1,770.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,338.62	3/4	3,077.07	3/4	2,815.43	3/4	2,553.79	3/4	2,290.77	3/4	2,027.73	3/4	1,764.68		
8		8		8		8	3,333.27	8	3,071.62	8	2,809.98	8	2,548.34	8	2,285.29	8	2,022.25	8	1,759.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,327.82	1/4	3,066.17	1/4	2,804.53	1/4	2,542.86	1/4	2,279.81	1/4	2,016.77	1/4	1,753.72		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,322.36	1/2	3,060.72	1/2	2,799.08	1/2	2,537.38	1/2	2,274.33	1/2	2,011.29	1/2	1,748.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,316.91	3/4	3,055.27	3/4	2,793.63	3/4	2,531.90	3/4	2,268.85	3/4	2,005.81	3/4	1,742.76		
9		9		9		9	3,311.46	9	3,049.82	9	2,788.18	9	2,526.42	9	2,263.37	9	2,000.33	9	1,737.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,306.01	1/4	3,044.37	1/4	2,782.73	1/4	2,520.94	1/4	2,257.89	1/4	1,994.85	1/4	1,731.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,300.56	1/2	3,038.92	1/2	2,777.27	1/2	2,515.46	1/2	2,252.41	1/2	1,989.37	1/2	1,726.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,295.11	3/4	3,033.47	3/4	2,771.82	3/4	2,509.98	3/4	2,246.93	3/4	1,983.89	3/4	1,720.84		
10		10		10		10	3,289.66	10	3,028.02	10	2,766.37	10	2,504.50	10	2,241.45	10	1,978.41	10	1,715.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,284.21	1/4	3,022.57	1/4	2,760.92	1/4	2,499.02	1/4	2,235.97	1/4	1,972.93	1/4	1,709.88		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,278.76	1/2	3,017.11	1/2	2,755.47	1/2	2,493.54	1/2	2,230.49	1/2	1,967.45	1/2	1,704.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,273.31	3/4	3,011.66	3/4	2,750.02	3/4	2,488.06	3/4	2,225.01	3/4	1,961.97	3/4	1,698.92		
11		11		11		11	3,267.86	11	3,006.21	11	2,744.57	11	2,482.58	11	2,219.53	11	1,956.49	11	1,693.44		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,262.40	1/4	3,000.76	1/4	2,739.12	1/4	2,477.10	1/4	2,214.05	1/4	1,951.01	1/4	1,687.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,492.60	1/2	3,256.95	1/2	2,995.31	1/2	2,733.67	1/2	2,471.62	1/2	2,208.57	1/2	1,945.53	1/2	1,682.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,491.69	3/4	3,251.50	3/4	2,989.86	3/4	2,728.22	3/4	2,466.14	3/4	2,203.09	3/4	1,940.05	3/4	1,677.00

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-09" FORWARD OF AFT BULKHEAD.

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





# BARGE "KIRBY 10087"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	1,671.52	0	1,408.48	0	1,145.26	0	883.92	0	624.79	0	361.60	0	98.50	0		0			
1/4	1,666.04	1/4	1,402.99	1/4	1,139.78	1/4	878.52	1/4	619.31	1/4	356.11	1/4	93.05	1/4		1/4			
1/2	1,660.56	1/2	1,397.51	1/2	1,134.30	1/2	873.12	1/2	613.82	1/2	350.63	1/2	87.60	1/2		1/2			
3/4	1,655.08	3/4	1,392.03	3/4	1,128.81	3/4	867.72	3/4	608.34	3/4	345.15	3/4	82.15	3/4		3/4			
1	1,649.60	1	1,386.54	1	1,123.33	1	862.32	1	602.86	1	339.67	1	76.70	1		1			
1/4	1,644.12	1/4	1,381.06	1/4	1,117.85	1/4	856.92	1/4	597.38	1/4	334.18	1/4	71.28	1/4		1/4			
1/2	1,638.64	1/2	1,375.57	1/2	1,112.36	1/2	851.53	1/2	591.89	1/2	328.70	1/2	65.86	1/2		1/2			
3/4	1,633.16	3/4	1,370.09	3/4	1,106.88	3/4	846.13	3/4	586.41	3/4	323.22	3/4	60.44	3/4		3/4			
2	1,627.68	2	1,364.61	2	1,101.39	2	840.73	2	580.93	2	317.73	2	55.02	2		2			
1/4	1,622.20	1/4	1,359.12	1/4	1,095.91	1/4	835.33	1/4	575.44	1/4	312.25	1/4	49.65	1/4		1/4			
1/2	1,616.72	1/2	1,353.64	1/2	1,090.43	1/2	829.93	1/2	569.96	1/2	306.77	1/2	44.28	1/2		1/2			
3/4	1,611.24	3/4	1,348.16	3/4	1,084.94	3/4	824.53	3/4	564.48	3/4	301.28	3/4	38.91	3/4		3/4			
3	1,605.76	3	1,342.67	3	1,079.46	3	819.13	3	558.99	3	295.80	3	33.54	3		3			
1/4	1,600.28	1/4	1,337.19	1/4	1,073.98	1/4	813.74	1/4	553.51	1/4	290.32	1/4	28.98	1/4		1/4			
1/2	1,594.80	1/2	1,331.71	1/2	1,068.49	1/2	808.35	1/2	548.03	1/2	284.83	1/2	24.42	1/2		1/2			
3/4	1,589.32	3/4	1,326.22	3/4	1,063.01	3/4	802.95	3/4	542.54	3/4	279.35	3/4	19.86	3/4		3/4			
4	1,583.84	4	1,320.74	4	1,057.53	4	797.56	4	537.06	4	273.87	4	15.30	4		4			
1/4	1,578.36	1/4	1,315.25	1/4	1,052.04	1/4	792.17	1/4	531.58	1/4	268.38	1/4	12.56	1/4		1/4			
1/2	1,572.88	1/2	1,309.77	1/2	1,046.56	1/2	786.77	1/2	526.09	1/2	262.90	1/2	9.82	1/2		1/2			
3/4	1,567.40	3/4	1,304.29	3/4	1,041.07	3/4	781.38	3/4	520.61	3/4	257.42	3/4	7.07	3/4		3/4			
5	1,561.92	5	1,298.80	5	1,035.59	5	775.99	5	515.13	5	251.93	5	4.33	5		5			
1/4	1,556.44	1/4	1,293.32	1/4	1,030.11	1/4	770.59	1/4	509.64	1/4	246.45	1/4	3.42	1/4		1/4			
1/2	1,550.96	1/2	1,287.84	1/2	1,024.62	1/2	765.20	1/2	504.16	1/2	240.97	1/2	2.51	1/2		1/2			
3/4	1,545.48	3/4	1,282.35	3/4	1,019.14	3/4	759.81	3/4	498.68	3/4	235.48	3/4	1.59	3/4		3/4			
6	1,540.00	6	1,276.87	6	1,013.66	6	754.41	6	493.19	6	230.00	6	0.68	6		6			
1/4	1,534.52	1/4	1,271.39	1/4	1,008.22	1/4	749.02	1/4	487.71	1/4	224.52	1/4		1/4		1/4			
1/2	1,529.04	1/2	1,265.90	1/2	1,002.77	1/2	743.63	1/2	482.23	1/2	219.03	1/2		1/2		1/2			
3/4	1,523.56	3/4	1,260.42	3/4	997.33	3/4	738.23	3/4	476.75	3/4	213.55	3/4		3/4		3/4			
7	1,518.08	7	1,254.94	7	991.89	7	732.84	7	471.26	7	208.07	7		7		7			
1/4	1,512.60	1/4	1,249.45	1/4	986.49	1/4	727.45	1/4	465.78	1/4	202.59	1/4		1/4		1/4			
1/2	1,507.12	1/2	1,243.97	1/2	981.09	1/2	722.05	1/2	460.30	1/2	197.10	1/2		1/2		1/2			
3/4	1,501.64	3/4	1,238.48	3/4	975.70	3/4	716.66	3/4	454.81	3/4	191.62	3/4		3/4		3/4			
8	1,496.16	8	1,233.00	8	970.30	8	711.26	8	449.33	8	186.14	8		8		8			
1/4	1,490.68	1/4	1,227.52	1/4	964.90	1/4	705.87	1/4	443.85	1/4	180.65	1/4		1/4		1/4			
1/2	1,485.20	1/2	1,222.03	1/2	959.50	1/2	700.48	1/2	438.36	1/2	175.17	1/2		1/2		1/2			
3/4	1,479.72	3/4	1,216.55	3/4	954.10	3/4	695.08	3/4	432.88	3/4	169.69	3/4		3/4		3/4			
9	1,474.24	9	1,211.07	9	948.70	9	689.69	9	427.40	9	164.20	9		9		9			
1/4	1,468.76	1/4	1,205.58	1/4	943.30	1/4	684.30	1/4	421.91	1/4	158.72	1/4		1/4		1/4			
1/2	1,463.28	1/2	1,200.10	1/2	937.90	1/2	678.90	1/2	416.43	1/2	153.24	1/2		1/2		1/2			
3/4	1,457.80	3/4	1,194.62	3/4	932.51	3/4	673.51	3/4	410.95	3/4	147.76	3/4		3/4		3/4			
10	1,452.32	10	1,189.13	10	927.11	10	668.12	10	405.46	10	142.27	10		10		10			
1/4	1,446.84	1/4	1,183.65	1/4	921.71	1/4	662.73	1/4	399.98	1/4	136.80	1/4		1/4		1/4			
1/2	1,441.36	1/2	1,178.16	1/2	916.31	1/2	657.33	1/2	394.50	1/2	131.32	1/2		1/2		1/2			
3/4	1,435.88	3/4	1,172.68	3/4	910.91	3/4	651.94	3/4	389.01	3/4	125.84	3/4		3/4		3/4			
11	1,430.40	11	1,167.20	11	905.51	11	646.55	11	383.53	11	120.36	11		11		11			
1/4	1,424.92	1/4	1,161.71	1/4	900.11	1/4	641.11	1/4	378.05	1/4	114.90	1/4		1/4		1/4			
1/2	1,419.44	1/2	1,156.23	1/2	894.71	1/2	635.67	1/2	372.56	1/2	109.43	1/2		1/2		1/2			
3/4	1,413.96	3/4	1,150.75	3/4	889.32	3/4	630.23	3/4	367.08	3/4	103.96	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/04/2010 CL - SW  
CALCULATED: 03/04/2010 CL  
PRINTED: 03/04/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2010

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



# BARGE "KIRBY 10087"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.					
IN			IN			IN			IN			IN			IN			IN			IN			IN			IN			IN		
0			0			0			0			0			0			0			0			0			0					
									3,473.47						3,239.40						2,979.52						0					
1/4			1/4			1/4			3,472.56			1/4			3,233.99			1/4			2,974.11			1/4			1/4					
									3,471.65			1/2			3,228.57			1/2			2,968.69			1/2			1/2					
1/2			1/2			1/2			3,468.93			3/4			3,223.16			3/4			2,963.28			3/4			3/4					
									3,466.21			1			3,217.74			1			2,957.86			1			1					
1			1			1			3,463.48			1/4			3,212.33			1/4			2,952.45			1/4			1/4					
1/4			1/4			1/4			3,460.76			1/2			3,206.92			1/2			2,947.03			1/2			1/2					
1/2			1/2			1/2			3,456.22			3/4			3,201.50			3/4			2,941.62			3/4			3/4					
3/4			3/4			3/4			3,451.69			2			3,196.09			2			2,936.21			2			2					
2			2			2			3,447.15			1/4			3,190.67			1/4			2,930.79			1/4			1/4					
1/4			1/4			1/4			3,442.61			1/2			3,185.26			1/2			2,925.38			1/2			1/2					
1/2			1/2			1/2			3,437.34			3/4			3,179.85			3/4			2,919.96			3/4			3/4					
3/4			3/4			3/4			3,432.06			3			3,174.43			3			2,914.55			3			3					
3			3			3			3,426.79			1/4			3,169.02			1/4			2,909.14			1/4			1/4					
1/4			1/4			1/4			3,421.51			1/2			3,163.60			1/2			2,903.72			1/2			1/2					
1/2			1/2			1/2			3,416.20			3/4			3,158.19			3/4			2,898.31			3/4			3/4					
3/4			3/4			3/4			3,410.90			4			3,152.77			4			2,892.89			4			4					
4			4			4			3,405.59			1/4			3,147.36			1/4			2,887.48			1/4			1/4					
1/4			1/4			1/4			3,400.29			1/2			3,141.95			1/2			2,882.06			1/2			1/2					
1/2			1/2			1/2			3,394.97			3/4			3,136.53			3/4			2,876.65			3/4			3/4					
3/4			3/4			3/4			3,389.65			5			3,131.12			5			2,871.24			5			5					
5			5			5			3,384.32			1/4			3,125.70			1/4			2,865.82			1/4			1/4					
1/4			1/4			1/4			3,379.00			1/2			3,120.29			1/2			2,860.41			1/2			1/2					
1/2			1/2			1/2			3,373.69			3/4			3,114.88			3/4			2,854.99			3/4			3/4					
3/4			3/4			3/4			3,368.37			6			3,109.46			6			2,849.58			6			6					
6			6			6			3,363.05			1/4			3,104.05			1/4			2,844.16			1/4			1/4					
1/4			1/4			1/4			3,357.73			1/2			3,098.63			1/2			2,838.75			1/2			1/2					
1/2			1/2			1/2			3,352.41			3/4			3,093.22			3/4			2,833.34			3/4			3/4					
3/4			3/4			3/4			3,347.10			7			3,087.80			7			2,827.92			7			7					
7			7			7			3,341.78			1/4			3,082.39			1/4			2,822.51			1/4			1/4					
1/4			1/4			1/4			3,336.46			1/2			3,076.98			1/2			2,817.09			1/2			1/2					
1/2			1/2			1/2			3,331.15			3/4			3,071.56			3/4			2,811.68			3/4			3/4					
3/4			3/4			3/4			3,325.83			8			3,066.15			8			2,806.27			8			8					
8			8			8			3,320.52			1/4			3,060.73			1/4			2,800.85			1/4			1/4					
1/4			1/4			1/4			3,315.20			1/2			3,055.32			1/2			2,795.44			1/2			1/2					
1/2			1/2			1/2			3,309.79			3/4			3,049.90			3/4			2,790.02			3/4			3/4					
3/4			3/4			3/4			3,304.37			9			3,044.49			9			2,784.61			9			9					
9			9			9			3,298.96			1/4			3,039.08			1/4			2,779.19			1/4			1/4					
1/4			1/4			1/4			3,293.54			1/2			3,033.66			1/2			2,773.78			1/2			1/2					
1/2			1/2			1/2			3,288.13			3/4			3,028.25			3/4			2,768.37			3/4			3/4					
3/4			3/4			3/4			3,282.72			10			3,022.83			10			2,762.95			10			10					
10			10			10			3,277.30			1/4			3,017.42			1/4			2,757.54			1/4			1/4					
1/4			1/4			1/4			3,271.89			1/2			3,012.01			1/2			2,752.12			1/2			1/2					
1/2			1/2			1/2			3,266.47			3/4			3,006.59			3/4			2,746.71			3/4			3/4					
3/4			3/4			3/4			3,261.06			11			3,001.18			11			2,741.30			11			11					
11			11			11			3,255.64			1/4			2,995.76			1/4			2,735.88			1/4			1/4					
1/4			1/4			1/4			3,250.23			1/2			2,990.35			1/2			2,730.47			1/2			1/2					
1/2			1/2			1/2			3,244.82			3/4			2,984.93			3/4			2,725.05			3/4			3/4					
3/4			3/4			3/4																										

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 10087"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	1,675.50	0	1,414.22	0	1,152.77	0	892.12	0	631.50	0	370.07	0	108.70	0		0			
1/4	1,670.05	1/4	1,408.77	1/4	1,147.32	1/4	886.71	1/4	626.06	1/4	364.63	1/4	103.27	1/4		1/4			
1/2	1,664.61	1/2	1,403.33	1/2	1,141.88	1/2	881.30	1/2	620.61	1/2	359.18	1/2	97.84	1/2		1/2			
3/4	1,659.17	3/4	1,397.88	3/4	1,136.43	3/4	875.89	3/4	615.17	3/4	353.74	3/4	92.43	3/4		3/4			
1	1,653.72	1	1,392.43	1	1,130.98	1	870.48	1	609.72	1	348.29	1	87.02	1		1			
1/4	1,648.28	1/4	1,386.99	1/4	1,125.54	1/4	865.07	1/4	604.27	1/4	342.84	1/4	81.60	1/4		1/4			
1/2	1,642.84	1/2	1,381.54	1/2	1,120.09	1/2	859.66	1/2	598.83	1/2	337.40	1/2	76.19	1/2		1/2			
3/4	1,637.39	3/4	1,376.09	3/4	1,114.64	3/4	854.25	3/4	593.38	3/4	331.95	3/4	70.81	3/4		3/4			
2	1,631.95	2	1,370.65	2	1,109.20	2	848.84	2	587.93	2	326.50	2	65.43	2		2			
1/4	1,626.51	1/4	1,365.20	1/4	1,103.75	1/4	843.43	1/4	582.49	1/4	321.06	1/4	60.04	1/4		1/4			
1/2	1,621.06	1/2	1,359.75	1/2	1,098.30	1/2	838.02	1/2	577.04	1/2	315.61	1/2	54.66	1/2		1/2			
3/4	1,615.62	3/4	1,354.31	3/4	1,092.86	3/4	832.61	3/4	571.60	3/4	310.16	3/4	49.32	3/4		3/4			
3	1,610.18	3	1,348.86	3	1,087.41	3	827.19	3	566.15	3	304.72	3	43.99	3		3			
1/4	1,604.73	1/4	1,343.41	1/4	1,081.96	1/4	821.78	1/4	560.70	1/4	299.27	1/4	38.66	1/4		1/4			
1/2	1,599.29	1/2	1,337.97	1/2	1,076.51	1/2	816.37	1/2	555.26	1/2	293.82	1/2	33.32	1/2		1/2			
3/4	1,593.85	3/4	1,332.52	3/4	1,071.07	3/4	810.97	3/4	549.81	3/4	288.38	3/4	28.79	3/4		3/4			
4	1,588.40	4	1,327.07	4	1,065.62	4	805.56	4	544.36	4	282.93	4	24.26	4		4			
1/4	1,582.96	1/4	1,321.62	1/4	1,060.17	1/4	800.16	1/4	538.92	1/4	277.48	1/4	19.73	1/4		1/4			
1/2	1,577.52	1/2	1,316.18	1/2	1,054.73	1/2	794.75	1/2	533.47	1/2	272.04	1/2	15.20	1/2		1/2			
3/4	1,572.07	3/4	1,310.73	3/4	1,049.28	3/4	789.31	3/4	528.02	3/4	266.59	3/4	12.48	3/4		3/4			
5	1,566.63	5	1,305.28	5	1,043.83	5	783.87	5	522.58	5	261.14	5	9.75	5		5			
1/4	1,561.19	1/4	1,299.84	1/4	1,038.39	1/4	778.43	1/4	517.13	1/4	255.70	1/4	7.03	1/4		1/4			
1/2	1,555.74	1/2	1,294.39	1/2	1,032.94	1/2	772.99	1/2	511.68	1/2	250.25	1/2	4.31	1/2		1/2			
3/4	1,550.30	3/4	1,288.94	3/4	1,027.49	3/4	767.54	3/4	506.24	3/4	244.81	3/4	3.40	3/4		3/4			
6	1,544.86	6	1,283.50	6	1,022.05	6	762.10	6	500.79	6	239.36	6	2.49	6		6			
1/4	1,539.41	1/4	1,278.05	1/4	1,016.60	1/4	756.66	1/4	495.34	1/4	233.91	1/4	1.59	1/4		1/4			
1/2	1,533.97	1/2	1,272.60	1/2	1,011.15	1/2	751.22	1/2	489.90	1/2	228.47	1/2	0.68	1/2		1/2			
3/4	1,528.53	3/4	1,267.16	3/4	1,005.74	3/4	745.78	3/4	484.45	3/4	223.02	3/4		3/4		3/4			
7	1,523.08	7	1,261.71	7	1,000.33	7	740.34	7	479.00	7	217.57	7		7		7			
1/4	1,517.64	1/4	1,256.26	1/4	994.92	1/4	734.90	1/4	473.56	1/4	212.13	1/4		1/4		1/4			
1/2	1,512.20	1/2	1,250.82	1/2	989.51	1/2	729.45	1/2	468.11	1/2	206.68	1/2		1/2		1/2			
3/4	1,506.75	3/4	1,245.37	3/4	984.10	3/4	724.01	3/4	462.67	3/4	201.23	3/4		3/4		3/4			
8	1,501.31	8	1,239.92	8	978.69	8	718.57	8	457.22	8	195.79	8		8		8			
1/4	1,495.87	1/4	1,234.47	1/4	973.28	1/4	713.13	1/4	451.77	1/4	190.34	1/4		1/4		1/4			
1/2	1,490.42	1/2	1,229.03	1/2	967.87	1/2	707.69	1/2	446.33	1/2	184.89	1/2		1/2		1/2			
3/4	1,484.98	3/4	1,223.58	3/4	962.46	3/4	702.25	3/4	440.88	3/4	179.45	3/4		3/4		3/4			
9	1,479.54	9	1,218.13	9	957.05	9	696.80	9	435.43	9	174.00	9		9		9			
1/4	1,474.09	1/4	1,212.69	1/4	951.64	1/4	691.36	1/4	429.99	1/4	168.55	1/4		1/4		1/4			
1/2	1,468.65	1/2	1,207.24	1/2	946.23	1/2	685.92	1/2	424.54	1/2	163.11	1/2		1/2		1/2			
3/4	1,463.21	3/4	1,201.79	3/4	940.82	3/4	680.48	3/4	419.09	3/4	157.66	3/4		3/4		3/4			
10	1,457.76	10	1,196.35	10	935.40	10	675.04	10	413.65	10	152.22	10		10		10			
1/4	1,452.32	1/4	1,190.90	1/4	929.99	1/4	669.60	1/4	408.20	1/4	146.77	1/4		1/4		1/4			
1/2	1,446.88	1/2	1,185.45	1/2	924.58	1/2	664.16	1/2	402.75	1/2	141.32	1/2		1/2		1/2			
3/4	1,441.43	3/4	1,180.01	3/4	919.17	3/4	658.72	3/4	397.31	3/4	135.88	3/4		3/4		3/4			
11	1,435.99	11	1,174.56	11	913.76	11	653.27	11	391.86	11	130.44	11		11		11			
1/4	1,430.55	1/4	1,169.11	1/4	908.35	1/4	647.83	1/4	386.41	1/4	125.00	1/4		1/4		1/4			
1/2	1,425.10	1/2	1,163.66	1/2	902.94	1/2	642.39	1/2	380.97	1/2	119.56	1/2		1/2		1/2			
3/4	1,419.66	3/4	1,158.22	3/4	897.53	3/4	636.95	3/4	375.52	3/4	114.13	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/04/2010 CL - SW  
CALCULATED: 03/04/2010 CL  
PRINTED: 03/04/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2010

PRECISION MEASUREMENT  
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