



# BARGE "KIRBY 10239"

## 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	00-1/8	- 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
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	00-3/8	- 00-3/8	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 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: 163'-06"

June 20, 2012

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

<http://www.pmacorp.net>



# BARGE "KIRBY 10239"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		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 WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 32'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	1,862.50	0	1,566.25	0	1,269.87	0	973.49	0	683.19	0	386.60	0	90.14	0		0		0	
1/4	1,856.33	1/4	1,560.08	1/4	1,263.70	1/4	967.38	1/4	677.01	1/4	380.43	1/4	84.02	1/4		1/4		1/4	
1/2	1,850.16	1/2	1,553.90	1/2	1,257.52	1/2	961.27	1/2	670.83	1/2	374.25	1/2	77.90	1/2		1/2		1/2	
3/4	1,844.00	3/4	1,547.73	3/4	1,251.35	3/4	955.16	3/4	664.65	3/4	368.07	3/4	71.78	3/4		3/4		3/4	
1	1,837.83	1	1,541.56	1	1,245.17	1	949.04	1	658.47	1	361.89	1	65.66	1		1		1	
1/4	1,831.67	1/4	1,535.38	1/4	1,239.00	1/4	943.00	1/4	652.30	1/4	355.71	1/4	59.60	1/4		1/4		1/4	
1/2	1,825.50	1/2	1,529.21	1/2	1,232.83	1/2	936.95	1/2	646.12	1/2	349.53	1/2	53.54	1/2		1/2		1/2	
3/4	1,819.33	3/4	1,523.03	3/4	1,226.65	3/4	930.90	3/4	639.94	3/4	343.35	3/4	47.47	3/4		3/4		3/4	
2	1,813.17	2	1,516.86	2	1,220.48	2	924.85	2	633.76	2	337.17	2	41.41	2		2		2	
1/4	1,806.99	1/4	1,510.68	1/4	1,214.30	1/4	918.80	1/4	627.58	1/4	330.99	1/4	36.26	1/4		1/4		1/4	
1/2	1,800.82	1/2	1,504.51	1/2	1,208.13	1/2	912.75	1/2	621.40	1/2	324.82	1/2	31.11	1/2		1/2		1/2	
3/4	1,794.64	3/4	1,498.33	3/4	1,201.95	3/4	906.70	3/4	615.22	3/4	318.64	3/4	25.96	3/4		3/4		3/4	
3	1,788.47	3	1,492.16	3	1,195.78	3	900.66	3	609.05	3	312.46	3	20.81	3		3		3	
1/4	1,782.30	1/4	1,485.98	1/4	1,189.60	1/4	894.62	1/4	602.87	1/4	306.28	1/4	17.72	1/4		1/4		1/4	
1/2	1,776.12	1/2	1,479.81	1/2	1,183.43	1/2	888.59	1/2	596.69	1/2	300.10	1/2	14.62	1/2		1/2		1/2	
3/4	1,769.95	3/4	1,473.63	3/4	1,177.25	3/4	882.56	3/4	590.51	3/4	293.92	3/4	11.53	3/4		3/4		3/4	
4	1,763.77	4	1,467.46	4	1,171.08	4	876.53	4	584.33	4	287.74	4	8.43	4		4		4	
1/4	1,757.60	1/4	1,461.29	1/4	1,164.90	1/4	870.51	1/4	578.15	1/4	281.56	1/4	7.40	1/4		1/4		1/4	
1/2	1,751.42	1/2	1,455.11	1/2	1,158.73	1/2	864.50	1/2	571.97	1/2	275.38	1/2	6.37	1/2		1/2		1/2	
3/4	1,745.25	3/4	1,448.94	3/4	1,152.56	3/4	858.48	3/4	565.79	3/4	269.21	3/4	5.34	3/4		3/4		3/4	
5	1,739.07	5	1,442.76	5	1,146.38	5	852.46	5	559.61	5	263.03	5	4.31	5		5		5	
1/4	1,732.90	1/4	1,436.59	1/4	1,140.21	1/4	846.45	1/4	553.44	1/4	256.85	1/4		1/4		1/4		1/4	
1/2	1,726.73	1/2	1,430.41	1/2	1,134.03	1/2	840.43	1/2	547.26	1/2	250.67	1/2		1/2		1/2		1/2	
3/4	1,720.55	3/4	1,424.24	3/4	1,127.86	3/4	834.42	3/4	541.08	3/4	244.49	3/4		3/4		3/4		3/4	
6	1,714.38	6	1,418.06	6	1,121.68	6	828.40	6	534.90	6	238.31	6		6		6		6	
1/4	1,708.21	1/4	1,411.89	1/4	1,115.51	1/4	822.39	1/4	528.72	1/4	232.13	1/4		1/4		1/4		1/4	
1/2	1,702.04	1/2	1,405.71	1/2	1,109.33	1/2	816.37	1/2	522.54	1/2	225.95	1/2		1/2		1/2		1/2	
3/4	1,695.87	3/4	1,399.54	3/4	1,103.16	3/4	810.35	3/4	516.36	3/4	219.77	3/4		3/4		3/4		3/4	
7	1,689.70	7	1,393.36	7	1,096.98	7	804.34	7	510.18	7	213.60	7		7		7		7	
1/4	1,683.52	1/4	1,387.19	1/4	1,090.81	1/4	798.32	1/4	504.00	1/4	207.42	1/4		1/4		1/4		1/4	
1/2	1,677.35	1/2	1,381.02	1/2	1,084.63	1/2	792.31	1/2	497.83	1/2	201.24	1/2		1/2		1/2		1/2	
3/4	1,671.18	3/4	1,374.84	3/4	1,078.46	3/4	786.29	3/4	491.65	3/4	195.06	3/4		3/4		3/4		3/4	
8	1,665.01	8	1,368.67	8	1,072.29	8	780.27	8	485.47	8	188.88	8		8		8		8	
1/4	1,658.84	1/4	1,362.49	1/4	1,066.11	1/4	774.26	1/4	479.29	1/4	182.70	1/4		1/4		1/4		1/4	
1/2	1,652.67	1/2	1,356.32	1/2	1,059.94	1/2	768.24	1/2	473.11	1/2	176.52	1/2		1/2		1/2		1/2	
3/4	1,646.50	3/4	1,350.14	3/4	1,053.76	3/4	762.23	3/4	466.93	3/4	170.35	3/4		3/4		3/4		3/4	
9	1,640.32	9	1,343.97	9	1,047.59	9	756.21	9	460.75	9	164.17	9		9		9		9	
1/4	1,634.15	1/4	1,337.79	1/4	1,041.41	1/4	750.20	1/4	454.57	1/4	157.98	1/4		1/4		1/4		1/4	
1/2	1,627.98	1/2	1,331.62	1/2	1,035.24	1/2	744.18	1/2	448.39	1/2	151.80	1/2		1/2		1/2		1/2	
3/4	1,621.81	3/4	1,325.44	3/4	1,029.06	3/4	738.16	3/4	442.21	3/4	145.61	3/4		3/4		3/4		3/4	
10	1,615.64	10	1,319.27	10	1,022.89	10	732.15	10	436.04	10	139.43	10		10		10		10	
1/4	1,609.47	1/4	1,313.10	1/4	1,016.71	1/4	726.07	1/4	429.86	1/4	133.26	1/4		1/4		1/4		1/4	
1/2	1,603.30	1/2	1,306.92	1/2	1,010.54	1/2	719.99	1/2	423.68	1/2	127.09	1/2		1/2		1/2		1/2	
3/4	1,597.12	3/4	1,300.75	3/4	1,004.37	3/4	713.91	3/4	417.50	3/4	120.91	3/4		3/4		3/4		3/4	
11	1,590.95	11	1,294.57	11	998.19	11	707.83	11	411.32	11	114.74	11		11		11		11	
1/4	1,584.78	1/4	1,288.40	1/4	992.02	1/4	701.67	1/4	405.14	1/4	108.59	1/4		1/4		1/4		1/4	
1/2	1,578.60	1/2	1,282.22	1/2	985.84	1/2	695.51	1/2	398.96	1/2	102.44	1/2		1/2		1/2		1/2	
3/4	1,572.43	3/4	1,276.05	3/4	979.67	3/4	689.35	3/4	392.78	3/4	96.29	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/20/2012 CL - SW  
CALCULATED: 06/20/2012 CL  
PRINTED: 06/20/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "KIRBY 10239"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	3,467.18	0	3,227.30	0	2,965.85	0	2,704.40	0	2,442.39	0	2,179.55	0	1,916.70
1/4		1/4		1/4		1/4	3,466.26	1/4	3,221.85	1/4	2,960.40	1/4	2,698.95	1/4	2,436.92	1/4	2,174.07	1/4	1,911.22
1/2		1/2		1/2		1/2	3,463.52	1/2	3,216.41	1/2	2,954.96	1/2	2,693.51	1/2	2,431.44	1/2	2,168.59	1/2	1,905.75
3/4		3/4		3/4		3/4	3,460.78	3/4	3,210.96	3/4	2,949.51	3/4	2,688.06	3/4	2,425.97	3/4	2,163.12	3/4	1,900.27
1		1		1		1	3,458.05	1	3,205.51	1	2,944.06	1	2,682.61	1	2,420.49	1	2,157.64	1	1,894.79
1/4		1/4		1/4		1/4	3,455.31	1/4	3,200.07	1/4	2,938.62	1/4	2,677.16	1/4	2,415.01	1/4	2,152.17	1/4	1,889.32
1/2		1/2		1/2		1/2	3,450.87	1/2	3,194.62	1/2	2,933.17	1/2	2,671.72	1/2	2,409.54	1/2	2,146.69	1/2	1,883.84
3/4		3/4		3/4		3/4	3,446.43	3/4	3,189.17	3/4	2,927.72	3/4	2,666.27	3/4	2,404.06	3/4	2,141.21	3/4	1,878.37
2		2		2		2	3,442.00	2	3,183.73	2	2,922.27	2	2,660.82	2	2,398.59	2	2,135.74	2	1,872.89
1/4		1/4		1/4		1/4	3,437.56	1/4	3,178.28	1/4	2,916.83	1/4	2,655.38	1/4	2,393.11	1/4	2,130.26	1/4	1,867.41
1/2		1/2		1/2		1/2	3,432.25	1/2	3,172.83	1/2	2,911.38	1/2	2,649.93	1/2	2,387.63	1/2	2,124.79	1/2	1,861.94
3/4		3/4		3/4		3/4	3,426.94	3/4	3,167.39	3/4	2,905.93	3/4	2,644.48	3/4	2,382.16	3/4	2,119.31	3/4	1,856.46
3		3		3		3	3,421.64	3	3,161.94	3	2,900.49	3	2,639.04	3	2,376.68	3	2,113.83	3	1,850.99
1/4		1/4		1/4		1/4	3,416.33	1/4	3,156.49	1/4	2,895.04	1/4	2,633.59	1/4	2,371.21	1/4	2,108.36	1/4	1,845.51
1/2		1/2		1/2		1/2	3,410.99	1/2	3,151.04	1/2	2,889.59	1/2	2,628.14	1/2	2,365.73	1/2	2,102.88	1/2	1,840.03
3/4		3/4		3/4		3/4	3,405.65	3/4	3,145.60	3/4	2,884.15	3/4	2,622.70	3/4	2,360.25	3/4	2,097.41	3/4	1,834.56
4		4		4		4	3,400.31	4	3,140.15	4	2,878.70	4	2,617.25	4	2,354.78	4	2,091.93	4	1,829.08
1/4		1/4		1/4		1/4	3,394.97	1/4	3,134.70	1/4	2,873.25	1/4	2,611.80	1/4	2,349.30	1/4	2,086.45	1/4	1,823.61
1/2		1/2		1/2		1/2	3,389.62	1/2	3,129.26	1/2	2,867.81	1/2	2,606.35	1/2	2,343.83	1/2	2,080.98	1/2	1,818.13
3/4		3/4		3/4		3/4	3,384.27	3/4	3,123.81	3/4	2,862.36	3/4	2,600.91	3/4	2,338.35	3/4	2,075.50	3/4	1,812.65
5		5		5		5	3,378.92	5	3,118.36	5	2,856.91	5	2,595.46	5	2,332.87	5	2,070.03	5	1,807.18
1/4		1/4		1/4		1/4	3,373.57	1/4	3,112.92	1/4	2,851.47	1/4	2,590.01	1/4	2,327.40	1/4	2,064.55	1/4	1,801.70
1/2		1/2		1/2		1/2	3,368.22	1/2	3,107.47	1/2	2,846.02	1/2	2,584.57	1/2	2,321.92	1/2	2,059.07	1/2	1,796.23
3/4		3/4		3/4		3/4	3,362.87	3/4	3,102.02	3/4	2,840.57	3/4	2,579.12	3/4	2,316.45	3/4	2,053.60	3/4	1,790.75
6		6		6		6	3,357.53	6	3,096.58	6	2,835.12	6	2,573.67	6	2,310.97	6	2,048.12	6	1,785.27
1/4		1/4		1/4		1/4	3,352.18	1/4	3,091.13	1/4	2,829.68	1/4	2,568.23	1/4	2,305.49	1/4	2,042.65	1/4	1,779.80
1/2		1/2		1/2		1/2	3,346.83	1/2	3,085.68	1/2	2,824.23	1/2	2,562.78	1/2	2,300.02	1/2	2,037.17	1/2	1,774.32
3/4		3/4		3/4		3/4	3,341.49	3/4	3,080.23	3/4	2,818.78	3/4	2,557.33	3/4	2,294.54	3/4	2,031.69	3/4	1,768.85
7		7		7		7	3,336.14	7	3,074.79	7	2,813.34	7	2,551.89	7	2,289.07	7	2,026.22	7	1,763.37
1/4		1/4		1/4		1/4	3,330.79	1/4	3,069.34	1/4	2,807.89	1/4	2,546.44	1/4	2,283.59	1/4	2,020.74	1/4	1,757.89
1/2		1/2		1/2		1/2	3,325.35	1/2	3,063.89	1/2	2,802.44	1/2	2,540.96	1/2	2,278.11	1/2	2,015.27	1/2	1,752.42
3/4		3/4		3/4		3/4	3,319.90	3/4	3,058.45	3/4	2,797.00	3/4	2,535.49	3/4	2,272.64	3/4	2,009.79	3/4	1,746.94
8		8		8		8	3,314.45	8	3,053.00	8	2,791.55	8	2,530.01	8	2,267.16	8	2,004.31	8	1,741.47
1/4		1/4		1/4		1/4	3,309.00	1/4	3,047.55	1/4	2,786.10	1/4	2,524.53	1/4	2,261.69	1/4	1,998.84	1/4	1,735.99
1/2		1/2		1/2		1/2	3,303.56	1/2	3,042.11	1/2	2,780.66	1/2	2,519.06	1/2	2,256.21	1/2	1,993.36	1/2	1,730.51
3/4		3/4		3/4		3/4	3,298.11	3/4	3,036.66	3/4	2,775.21	3/4	2,513.58	3/4	2,250.73	3/4	1,987.89	3/4	1,725.04
9		9		9		9	3,292.66	9	3,031.21	9	2,769.76	9	2,508.11	9	2,245.26	9	1,982.41	9	1,719.56
1/4		1/4		1/4		1/4	3,287.22	1/4	3,025.77	1/4	2,764.31	1/4	2,502.63	1/4	2,239.78	1/4	1,976.93	1/4	1,714.09
1/2		1/2		1/2		1/2	3,281.77	1/2	3,020.32	1/2	2,758.87	1/2	2,497.15	1/2	2,234.31	1/2	1,971.46	1/2	1,708.61
3/4		3/4		3/4		3/4	3,276.32	3/4	3,014.87	3/4	2,753.42	3/4	2,491.68	3/4	2,228.83	3/4	1,965.98	3/4	1,703.13
10		10		10		10	3,270.88	10	3,009.43	10	2,747.97	10	2,486.20	10	2,223.35	10	1,960.51	10	1,697.66
1/4		1/4		1/4		1/4	3,265.43	1/4	3,003.98	1/4	2,742.53	1/4	2,480.73	1/4	2,217.88	1/4	1,955.03	1/4	1,692.18
1/2		1/2		1/2		1/2	3,259.98	1/2	2,998.53	1/2	2,737.08	1/2	2,475.25	1/2	2,212.40	1/2	1,949.55	1/2	1,686.71
3/4		3/4		3/4		3/4	3,254.54	3/4	2,993.08	3/4	2,731.63	3/4	2,469.77	3/4	2,206.93	3/4	1,944.08	3/4	1,681.23
11		11		11		11	3,249.09	11	2,987.64	11	2,726.19	11	2,464.30	11	2,201.45	11	1,938.60	11	1,675.75
1/4		1/4		1/4	3,469.92	1/4	3,243.64	1/4	2,982.19	1/4	2,720.74	1/4	2,458.82	1/4	2,195.97	1/4	1,933.13	1/4	1,670.28
1/2		1/2		1/2	3,469.00	1/2	3,238.20	1/2	2,976.74	1/2	2,715.29	1/2	2,453.35	1/2	2,190.50	1/2	1,927.65	1/2	1,664.80
3/4		3/4		3/4	3,468.09	3/4	3,232.75	3/4	2,971.30	3/4	2,709.85	3/4	2,447.87	3/4	2,185.02	3/4	1,922.17	3/4	1,659.33

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 10239"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	1,653.85	0	1,390.99	0	1,127.98	0	867.08	0	607.89	0	344.89	0	82.09	0		0		0	
1/4	1,648.37	1/4	1,385.51	1/4	1,122.50	1/4	861.68	1/4	602.41	1/4	339.41	1/4	76.65	1/4	1/4	1/4		1/4	
1/2	1,642.90	1/2	1,380.03	1/2	1,117.02	1/2	856.29	1/2	596.93	1/2	333.93	1/2	71.23	1/2	1/2	1/2		1/2	
3/4	1,637.42	3/4	1,374.55	3/4	1,111.54	3/4	850.89	3/4	591.45	3/4	328.45	3/4	65.81	3/4	3/4	3/4		3/4	
1	1,631.95	1	1,369.07	1	1,106.06	1	845.50	1	585.97	1	322.97	1	60.40	1	1	1		1	
1/4	1,626.47	1/4	1,363.59	1/4	1,100.58	1/4	840.10	1/4	580.49	1/4	317.50	1/4	54.98	1/4	1/4	1/4		1/4	
1/2	1,620.99	1/2	1,358.12	1/2	1,095.10	1/2	834.71	1/2	575.01	1/2	312.02	1/2	49.62	1/2	1/2	1/2		1/2	
3/4	1,615.52	3/4	1,352.64	3/4	1,089.62	3/4	829.31	3/4	569.53	3/4	306.54	3/4	44.25	3/4	3/4	3/4		3/4	
2	1,610.04	2	1,347.16	2	1,084.14	2	823.92	2	564.05	2	301.06	2	38.88	2	2	2		2	
1/4	1,604.57	1/4	1,341.68	1/4	1,078.66	1/4	818.53	1/4	558.58	1/4	295.58	1/4	33.52	1/4	1/4	1/4		1/4	
1/2	1,599.09	1/2	1,336.20	1/2	1,073.18	1/2	813.14	1/2	553.10	1/2	290.10	1/2	28.96	1/2	1/2	1/2		1/2	
3/4	1,593.61	3/4	1,330.72	3/4	1,067.70	3/4	807.75	3/4	547.62	3/4	284.62	3/4	24.40	3/4	3/4	3/4		3/4	
3	1,588.14	3	1,325.24	3	1,062.22	3	802.36	3	542.14	3	279.14	3	19.84	3	3	3		3	
1/4	1,582.66	1/4	1,319.76	1/4	1,056.74	1/4	796.97	1/4	536.66	1/4	273.66	1/4	15.29	1/4	1/4	1/4		1/4	
1/2	1,577.19	1/2	1,314.28	1/2	1,051.26	1/2	791.58	1/2	531.18	1/2	268.18	1/2	12.55	1/2	1/2	1/2		1/2	
3/4	1,571.71	3/4	1,308.80	3/4	1,045.78	3/4	786.19	3/4	525.70	3/4	262.70	3/4	9.81	3/4	3/4	3/4		3/4	
4	1,566.23	4	1,303.32	4	1,040.30	4	780.80	4	520.22	4	257.23	4	7.07	4	4	4		4	
1/4	1,560.76	1/4	1,297.84	1/4	1,034.82	1/4	775.41	1/4	514.74	1/4	251.75	1/4	4.33	1/4	1/4	1/4		1/4	
1/2	1,555.28	1/2	1,292.36	1/2	1,029.35	1/2	770.02	1/2	509.26	1/2	246.27	1/2	3.42	1/2	1/2	1/2		1/2	
3/4	1,549.81	3/4	1,286.88	3/4	1,023.87	3/4	764.63	3/4	503.78	3/4	240.79	3/4	2.50	3/4	3/4	3/4		3/4	
5	1,544.33	5	1,281.40	5	1,018.39	5	759.24	5	498.31	5	235.31	5	1.59	5	5	5		5	
1/4	1,538.85	1/4	1,275.92	1/4	1,012.91	1/4	753.85	1/4	492.83	1/4	229.83	1/4	0.68	1/4	1/4	1/4		1/4	
1/2	1,533.38	1/2	1,270.44	1/2	1,007.47	1/2	748.46	1/2	487.35	1/2	224.35	1/2		1/2	1/2	1/2		1/2	
3/4	1,527.90	3/4	1,264.96	3/4	1,002.03	3/4	743.07	3/4	481.87	3/4	218.87	3/4		3/4	3/4	3/4		3/4	
6	1,522.43	6	1,259.48	6	996.59	6	737.68	6	476.39	6	213.39	6		6	6	6		6	
1/4	1,516.95	1/4	1,254.00	1/4	991.16	1/4	732.29	1/4	470.91	1/4	207.91	1/4		1/4	1/4	1/4		1/4	
1/2	1,511.47	1/2	1,248.53	1/2	985.76	1/2	726.90	1/2	465.43	1/2	202.43	1/2		1/2	1/2	1/2		1/2	
3/4	1,506.00	3/4	1,243.05	3/4	980.37	3/4	721.51	3/4	459.95	3/4	196.96	3/4		3/4	3/4	3/4		3/4	
7	1,500.52	7	1,237.57	7	974.97	7	716.12	7	454.47	7	191.48	7		7	7	7		7	
1/4	1,495.05	1/4	1,232.09	1/4	969.58	1/4	710.74	1/4	448.99	1/4	186.00	1/4		1/4	1/4	1/4		1/4	
1/2	1,489.57	1/2	1,226.61	1/2	964.18	1/2	705.35	1/2	443.51	1/2	180.52	1/2		1/2	1/2	1/2		1/2	
3/4	1,484.09	3/4	1,221.13	3/4	958.79	3/4	699.96	3/4	438.04	3/4	175.04	3/4		3/4	3/4	3/4		3/4	
8	1,478.62	8	1,215.65	8	953.39	8	694.57	8	432.56	8	169.56	8		8	8	8		8	
1/4	1,473.14	1/4	1,210.17	1/4	948.00	1/4	689.18	1/4	427.08	1/4	164.08	1/4		1/4	1/4	1/4		1/4	
1/2	1,467.67	1/2	1,204.69	1/2	942.60	1/2	683.79	1/2	421.60	1/2	158.60	1/2		1/2	1/2	1/2		1/2	
3/4	1,462.19	3/4	1,199.21	3/4	937.21	3/4	678.40	3/4	416.12	3/4	153.12	3/4		3/4	3/4	3/4		3/4	
9	1,456.71	9	1,193.73	9	931.81	9	673.01	9	410.64	9	147.65	9		9	9	9		9	
1/4	1,451.24	1/4	1,188.25	1/4	926.42	1/4	667.62	1/4	405.16	1/4	142.17	1/4		1/4	1/4	1/4		1/4	
1/2	1,445.76	1/2	1,182.77	1/2	921.02	1/2	662.23	1/2	399.68	1/2	136.69	1/2		1/2	1/2	1/2		1/2	
3/4	1,440.29	3/4	1,177.29	3/4	915.63	3/4	656.84	3/4	394.20	3/4	131.22	3/4		3/4	3/4	3/4		3/4	
10	1,434.81	10	1,171.81	10	910.24	10	651.45	10	388.72	10	125.75	10		10	10	10		10	
1/4	1,429.33	1/4	1,166.33	1/4	904.84	1/4	646.07	1/4	383.24	1/4	120.27	1/4		1/4	1/4	1/4		1/4	
1/2	1,423.86	1/2	1,160.85	1/2	899.45	1/2	640.63	1/2	377.77	1/2	114.81	1/2		1/2	1/2	1/2		1/2	
3/4	1,418.38	3/4	1,155.37	3/4	894.05	3/4	635.19	3/4	372.29	3/4	109.35	3/4		3/4	3/4	3/4		3/4	
11	1,412.91	11	1,149.89	11	888.66	11	629.76	11	366.81	11	103.89	11		11	11	11		11	
1/4	1,407.43	1/4	1,144.41	1/4	883.26	1/4	624.32	1/4	361.33	1/4	98.42	1/4		1/4	1/4	1/4		1/4	
1/2	1,401.95	1/2	1,138.94	1/2	877.87	1/2	618.84	1/2	355.85	1/2	92.98	1/2		1/2	1/2	1/2		1/2	
3/4	1,396.47	3/4	1,133.46	3/4	872.47	3/4	613.37	3/4	350.37	3/4	87.53	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/20/2012 CL - SW  
CALCULATED: 06/20/2012 CL  
PRINTED: 06/20/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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



# BARGE "KIRBY 10239"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	3,452.30	0	3,213.75	0	2,953.75	0	2,693.76	0	2,433.20	0	2,171.81	0	1,910.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,451.39	1/4	3,208.33	1/4	2,948.34	1/4	2,688.34	1/4	2,427.76	1/4	2,166.36	1/4	1,904.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,448.67	1/2	3,202.92	1/2	2,942.92	1/2	2,682.92	1/2	2,422.31	1/2	2,160.91	1/2	1,899.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,445.94	3/4	3,197.50	3/4	2,937.50	3/4	2,677.51	3/4	2,416.87	3/4	2,155.47	3/4	1,894.07		
1		1		1		1	3,443.22	1	3,192.08	1	2,932.09	1	2,672.09	1	2,411.42	1	2,150.02	1	1,888.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,440.49	1/4	3,186.67	1/4	2,926.67	1/4	2,666.67	1/4	2,405.98	1/4	2,144.58	1/4	1,883.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,436.08	1/2	3,181.25	1/2	2,921.25	1/2	2,661.26	1/2	2,400.53	1/2	2,139.13	1/2	1,877.73		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,431.67	3/4	3,175.83	3/4	2,915.84	3/4	2,655.84	3/4	2,395.08	3/4	2,133.69	3/4	1,872.29		
2		2		2		2	3,427.26	2	3,170.42	2	2,910.42	2	2,650.42	2	2,389.64	2	2,128.24	2	1,866.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,422.85	1/4	3,165.00	1/4	2,905.00	1/4	2,645.01	1/4	2,384.19	1/4	2,122.79	1/4	1,861.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,417.57	1/2	3,159.58	1/2	2,899.59	1/2	2,639.59	1/2	2,378.75	1/2	2,117.35	1/2	1,855.95		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,412.29	3/4	3,154.17	3/4	2,894.17	3/4	2,634.17	3/4	2,373.30	3/4	2,111.90	3/4	1,850.50		
3		3		3		3	3,407.02	3	3,148.75	3	2,888.75	3	2,628.76	3	2,367.85	3	2,106.46	3	1,845.06		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,401.74	1/4	3,143.33	1/4	2,883.34	1/4	2,623.34	1/4	2,362.41	1/4	2,101.01	1/4	1,839.61		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,396.43	1/2	3,137.92	1/2	2,877.92	1/2	2,617.92	1/2	2,356.96	1/2	2,095.56	1/2	1,834.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,391.12	3/4	3,132.50	3/4	2,872.50	3/4	2,612.51	3/4	2,351.52	3/4	2,090.12	3/4	1,828.72		
4		4		4		4	3,385.81	4	3,127.08	4	2,867.09	4	2,607.09	4	2,346.07	4	2,084.67	4	1,823.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,380.50	1/4	3,121.67	1/4	2,861.67	1/4	2,601.67	1/4	2,340.63	1/4	2,079.23	1/4	1,817.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,375.18	1/2	3,116.25	1/2	2,856.25	1/2	2,596.26	1/2	2,335.18	1/2	2,073.78	1/2	1,812.38		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,369.86	3/4	3,110.83	3/4	2,850.84	3/4	2,590.84	3/4	2,329.73	3/4	2,068.34	3/4	1,806.94		
5		5		5		5	3,364.53	5	3,105.42	5	2,845.42	5	2,585.42	5	2,324.29	5	2,062.89	5	1,801.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,359.21	1/4	3,100.00	1/4	2,840.00	1/4	2,580.01	1/4	2,318.84	1/4	2,057.44	1/4	1,796.05		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,353.89	1/2	3,094.58	1/2	2,834.59	1/2	2,574.59	1/2	2,313.40	1/2	2,052.00	1/2	1,790.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,348.57	3/4	3,089.17	3/4	2,829.17	3/4	2,569.17	3/4	2,307.95	3/4	2,046.55	3/4	1,785.15		
6		6		6		6	3,343.26	6	3,083.75	6	2,823.75	6	2,563.76	6	2,302.51	6	2,041.11	6	1,779.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,337.94	1/4	3,078.33	1/4	2,818.34	1/4	2,558.34	1/4	2,297.06	1/4	2,035.66	1/4	1,774.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,332.62	1/2	3,072.92	1/2	2,812.92	1/2	2,552.92	1/2	2,291.61	1/2	2,030.22	1/2	1,768.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,327.30	3/4	3,067.50	3/4	2,807.50	3/4	2,547.51	3/4	2,286.17	3/4	2,024.77	3/4	1,763.37		
7		7		7		7	3,321.98	7	3,062.08	7	2,802.09	7	2,542.09	7	2,280.72	7	2,019.32	7	1,757.93		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,316.66	1/4	3,056.67	1/4	2,796.67	1/4	2,536.67	1/4	2,275.28	1/4	2,013.88	1/4	1,752.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,311.25	1/2	3,051.25	1/2	2,791.25	1/2	2,531.23	1/2	2,269.83	1/2	2,008.43	1/2	1,747.03		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,305.83	3/4	3,045.83	3/4	2,785.84	3/4	2,525.78	3/4	2,264.38	3/4	2,002.99	3/4	1,741.59		
8		8		8		8	3,300.42	8	3,040.42	8	2,780.42	8	2,520.34	8	2,258.94	8	1,997.54	8	1,736.14		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,295.00	1/4	3,035.00	1/4	2,775.00	1/4	2,514.89	1/4	2,253.49	1/4	1,992.09	1/4	1,730.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,289.58	1/2	3,029.59	1/2	2,769.59	1/2	2,509.45	1/2	2,248.05	1/2	1,986.65	1/2	1,725.25		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,284.17	3/4	3,024.17	3/4	2,764.17	3/4	2,504.00	3/4	2,242.60	3/4	1,981.20	3/4	1,719.80		
9		9		9		9	3,278.75	9	3,018.75	9	2,758.76	9	2,498.55	9	2,237.16	9	1,975.76	9	1,714.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,273.33	1/4	3,013.34	1/4	2,753.34	1/4	2,493.11	1/4	2,231.71	1/4	1,970.31	1/4	1,708.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,267.92	1/2	3,007.92	1/2	2,747.92	1/2	2,487.66	1/2	2,226.26	1/2	1,964.87	1/2	1,703.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,262.50	3/4	3,002.50	3/4	2,742.51	3/4	2,482.22	3/4	2,220.82	3/4	1,959.42	3/4	1,698.02		
10		10		10		10	3,257.08	10	2,997.09	10	2,737.09	10	2,476.77	10	2,215.37	10	1,953.97	10	1,692.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,251.67	1/4	2,991.67	1/4	2,731.67	1/4	2,471.32	1/4	2,209.93	1/4	1,948.53	1/4	1,687.13		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,246.25	1/2	2,986.25	1/2	2,726.26	1/2	2,465.88	1/2	2,204.48	1/2	1,943.08	1/2	1,681.68		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,240.83	3/4	2,980.84	3/4	2,720.84	3/4	2,460.43	3/4	2,199.03	3/4	1,937.64	3/4	1,676.24		
11		11		11		11	3,235.42	11	2,975.42	11	2,715.42	11	2,454.99	11	2,193.59	11	1,932.19	11	1,670.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,455.03	1/4	3,230.00	1/4	2,970.00	1/4	2,710.01	1/4	2,449.54	1/4	2,188.14	1/4	1,926.74	1/4	1,665.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,454.12	1/2	3,224.58	1/2	2,964.59	1/2	2,704.59	1/2	2,444.10	1/2	2,182.70	1/2	1,921.30	1/2	1,659.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,453.21	3/4	3,219.17	3/4	2,959.17	3/4	2,699.17	3/4	2,438.65	3/4	2,177.25	3/4	1,915.85	3/4	1,654.45

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "KIRBY 10239"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,649.01	0	1,387.60	0	1,126.03	0	865.45	0	604.54	0	343.00	0	81.64	0		0		0	
1/4	1,643.56	1/4	1,382.15	1/4	1,120.58	1/4	860.04	1/4	599.09	1/4	337.55	1/4	76.23	1/4	1/4	1/4		1/4	
1/2	1,638.12	1/2	1,376.70	1/2	1,115.14	1/2	854.62	1/2	593.64	1/2	332.10	1/2	70.84	1/2	1/2	1/2		1/2	
3/4	1,632.67	3/4	1,371.25	3/4	1,109.69	3/4	849.21	3/4	588.20	3/4	326.65	3/4	65.46	3/4	3/4	3/4		3/4	
1	1,627.23	1	1,365.80	1	1,104.24	1	843.80	1	582.75	1	321.20	1	60.07	1	1	1		1	
1/4	1,621.78	1/4	1,360.35	1/4	1,098.79	1/4	838.39	1/4	577.30	1/4	315.75	1/4	54.68	1/4	1/4	1/4		1/4	
1/2	1,616.33	1/2	1,354.90	1/2	1,093.34	1/2	832.97	1/2	571.85	1/2	310.30	1/2	49.35	1/2	1/2	1/2		1/2	
3/4	1,610.89	3/4	1,349.46	3/4	1,087.89	3/4	827.56	3/4	566.40	3/4	304.85	3/4	44.01	3/4	3/4	3/4		3/4	
2	1,605.44	2	1,344.01	2	1,082.44	2	822.15	2	560.95	2	299.40	2	38.67	2	2	2		2	
1/4	1,600.00	1/4	1,338.56	1/4	1,076.99	1/4	816.73	1/4	555.50	1/4	293.96	1/4	33.34	1/4	1/4	1/4		1/4	
1/2	1,594.55	1/2	1,333.11	1/2	1,071.54	1/2	811.33	1/2	550.05	1/2	288.51	1/2	28.81	1/2	1/2	1/2		1/2	
3/4	1,589.11	3/4	1,327.66	3/4	1,066.09	3/4	805.92	3/4	544.60	3/4	283.06	3/4	24.27	3/4	3/4	3/4		3/4	
3	1,583.66	3	1,322.21	3	1,060.64	3	800.51	3	539.16	3	277.61	3	19.74	3	3	3		3	
1/4	1,578.21	1/4	1,316.76	1/4	1,055.19	1/4	795.10	1/4	533.71	1/4	272.16	1/4	15.21	1/4	1/4	1/4		1/4	
1/2	1,572.77	1/2	1,311.31	1/2	1,049.74	1/2	789.66	1/2	528.26	1/2	266.71	1/2	12.48	1/2	1/2	1/2		1/2	
3/4	1,567.32	3/4	1,305.86	3/4	1,044.29	3/4	784.22	3/4	522.81	3/4	261.26	3/4	9.76	3/4	3/4	3/4		3/4	
4	1,561.88	4	1,300.41	4	1,038.85	4	778.77	4	517.36	4	255.81	4	7.03	4	4	4		4	
1/4	1,556.43	1/4	1,294.96	1/4	1,033.40	1/4	773.33	1/4	511.91	1/4	250.36	1/4	4.31	1/4	1/4	1/4		1/4	
1/2	1,550.98	1/2	1,289.51	1/2	1,027.95	1/2	767.88	1/2	506.46	1/2	244.92	1/2	3.40	1/2	1/2	1/2		1/2	
3/4	1,545.54	3/4	1,284.06	3/4	1,022.50	3/4	762.44	3/4	501.01	3/4	239.47	3/4	2.49	3/4	3/4	3/4		3/4	
5	1,540.09	5	1,278.61	5	1,017.05	5	757.00	5	495.56	5	234.02	5	1.59	5	5	5		5	
1/4	1,534.65	1/4	1,273.16	1/4	1,011.60	1/4	751.55	1/4	490.12	1/4	228.57	1/4	0.68	1/4	1/4	1/4		1/4	
1/2	1,529.20	1/2	1,267.72	1/2	1,006.19	1/2	746.11	1/2	484.67	1/2	223.12	1/2		1/2	1/2	1/2		1/2	
3/4	1,523.76	3/4	1,262.27	3/4	1,000.77	3/4	740.66	3/4	479.22	3/4	217.67	3/4		3/4	3/4	3/4		3/4	
6	1,518.31	6	1,256.82	6	995.36	6	735.22	6	473.77	6	212.22	6		6	6	6		6	
1/4	1,512.86	1/4	1,251.37	1/4	989.95	1/4	729.78	1/4	468.32	1/4	206.77	1/4		1/4	1/4	1/4		1/4	
1/2	1,507.42	1/2	1,245.92	1/2	984.53	1/2	724.33	1/2	462.87	1/2	201.32	1/2		1/2	1/2	1/2		1/2	
3/4	1,501.97	3/4	1,240.47	3/4	979.12	3/4	718.89	3/4	457.42	3/4	195.88	3/4		3/4	3/4	3/4		3/4	
7	1,496.53	7	1,235.02	7	973.71	7	713.44	7	451.97	7	190.43	7		7	7	7		7	
1/4	1,491.08	1/4	1,229.57	1/4	968.30	1/4	708.00	1/4	446.52	1/4	184.98	1/4		1/4	1/4	1/4		1/4	
1/2	1,485.64	1/2	1,224.12	1/2	962.88	1/2	702.56	1/2	441.08	1/2	179.53	1/2		1/2	1/2	1/2		1/2	
3/4	1,480.19	3/4	1,218.67	3/4	957.47	3/4	697.11	3/4	435.63	3/4	174.08	3/4		3/4	3/4	3/4		3/4	
8	1,474.74	8	1,213.22	8	952.06	8	691.67	8	430.18	8	168.63	8		8	8	8		8	
1/4	1,469.30	1/4	1,207.77	1/4	946.64	1/4	686.23	1/4	424.73	1/4	163.18	1/4		1/4	1/4	1/4		1/4	
1/2	1,463.85	1/2	1,202.32	1/2	941.23	1/2	680.78	1/2	419.28	1/2	157.73	1/2		1/2	1/2	1/2		1/2	
3/4	1,458.41	3/4	1,196.87	3/4	935.82	3/4	675.34	3/4	413.83	3/4	152.28	3/4		3/4	3/4	3/4		3/4	
9	1,452.96	9	1,191.43	9	930.41	9	669.89	9	408.38	9	146.84	9		9	9	9		9	
1/4	1,447.51	1/4	1,185.98	1/4	924.99	1/4	664.45	1/4	402.93	1/4	141.39	1/4		1/4	1/4	1/4		1/4	
1/2	1,442.07	1/2	1,180.53	1/2	919.58	1/2	659.01	1/2	397.48	1/2	135.94	1/2		1/2	1/2	1/2		1/2	
3/4	1,436.62	3/4	1,175.08	3/4	914.17	3/4	653.56	3/4	392.04	3/4	130.50	3/4		3/4	3/4	3/4		3/4	
10	1,431.18	10	1,169.63	10	908.75	10	648.12	10	386.59	10	125.06	10		10	10	10		10	
1/4	1,425.73	1/4	1,164.18	1/4	903.34	1/4	642.68	1/4	381.14	1/4	119.61	1/4		1/4	1/4	1/4		1/4	
1/2	1,420.29	1/2	1,158.73	1/2	897.93	1/2	637.23	1/2	375.69	1/2	114.18	1/2		1/2	1/2	1/2		1/2	
3/4	1,414.84	3/4	1,153.28	3/4	892.51	3/4	631.78	3/4	370.24	3/4	108.75	3/4		3/4	3/4	3/4		3/4	
11	1,409.39	11	1,147.83	11	887.10	11	626.33	11	364.79	11	103.32	11		11	11	11		11	
1/4	1,403.95	1/4	1,142.38	1/4	881.69	1/4	620.89	1/4	359.34	1/4	97.89	1/4		1/4	1/4	1/4		1/4	
1/2	1,398.50	1/2	1,136.93	1/2	876.28	1/2	615.44	1/2	353.89	1/2	92.47	1/2		1/2	1/2	1/2		1/2	
3/4	1,393.05	3/4	1,131.48	3/4	870.86	3/4	609.99	3/4	348.44	3/4	87.06	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/20/2012 CL - SW  
CALCULATED: 06/20/2012 CL  
PRINTED: 06/20/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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