



BARGE "KIRBY 28132"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-09"

May 22, 2009

PRECISION MEASUREMENT

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

<http://www.pmacorp.net>



BARGE "KIRBY 28132"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

IN	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
0	1,978.62	0	1,647.18	0	1,315.74	0	984.64	0	668.38	0	375.21	0	105.63	0	0	0	0	0	0	0
1/4	1,971.72	1/4	1,640.28	1/4	1,308.84	1/4	977.82	1/4	662.05	1/4	369.37	1/4	100.28	1/4	0	0	0	0	0	0
1/2	1,964.81	1/2	1,633.37	1/2	1,301.93	1/2	970.99	1/2	655.71	1/2	363.52	1/2	94.93	1/2	0	0	0	0	0	0
3/4	1,957.91	3/4	1,626.47	3/4	1,295.03	3/4	964.17	3/4	649.38	3/4	357.68	3/4	89.58	3/4	0	0	0	0	0	0
1	1,951.00	1	1,619.56	1	1,288.12	1	957.34	1	643.05	1	351.84	1	84.23	1	0	0	0	0	0	0
1 1/4	1,944.10	1 1/4	1,612.66	1 1/4	1,281.22	1 1/4	950.58	1 1/4	636.75	1 1/4	346.04	1 1/4	78.93	1 1/4	0	0	0	0	0	0
1 1/2	1,937.19	1 1/2	1,605.75	1 1/2	1,274.31	1 1/2	943.81	1 1/2	630.46	1 1/2	340.24	1 1/2	73.62	1 1/2	0	0	0	0	0	0
3/4	1,930.29	3/4	1,598.85	3/4	1,267.41	3/4	937.04	3/4	624.17	3/4	334.44	3/4	68.32	3/4	0	0	0	0	0	0
2	1,923.38	2	1,591.94	2	1,260.50	2	930.28	2	617.88	2	328.64	2	63.01	2	0	0	0	0	0	0
1 1/4	1,916.48	1 1/4	1,585.04	1 1/4	1,253.60	1 1/4	923.55	1 1/4	611.63	1 1/4	322.88	1 1/4	57.75	1 1/4	0	0	0	0	0	0
1 1/2	1,909.57	1 1/2	1,578.13	1 1/2	1,246.69	1 1/2	916.82	1 1/2	605.38	1 1/2	317.12	1 1/2	52.48	1 1/2	0	0	0	0	0	0
3/4	1,902.67	3/4	1,571.23	3/4	1,239.79	3/4	910.09	3/4	599.12	3/4	311.36	3/4	47.21	3/4	0	0	0	0	0	0
3	1,895.76	3	1,564.32	3	1,232.88	3	903.37	3	592.87	3	305.60	3	41.94	3	0	0	0	0	0	0
1 1/4	1,888.86	1 1/4	1,557.42	1 1/4	1,225.98	1 1/4	896.68	1 1/4	586.66	1 1/4	299.88	1 1/4	37.59	1 1/4	0	0	0	0	0	0
1 1/2	1,881.95	1 1/2	1,550.51	1 1/2	1,219.07	1 1/2	889.99	1 1/2	580.45	1 1/2	294.16	1 1/2	33.23	1 1/2	0	0	0	0	0	0
3/4	1,875.05	3/4	1,543.61	3/4	1,212.17	3/4	883.31	3/4	574.24	3/4	288.45	3/4	28.87	3/4	0	0	0	0	0	0
4	1,868.14	4	1,536.70	4	1,205.26	4	876.62	4	568.03	4	282.73	4	24.51	4	0	0	0	0	0	0
1 1/4	1,861.24	1 1/4	1,529.80	1 1/4	1,198.36	1 1/4	869.98	1 1/4	561.87	1 1/4	277.05	1 1/4	21.92	1 1/4	0	0	0	0	0	0
1 1/2	1,854.33	1 1/2	1,522.89	1 1/2	1,191.45	1 1/2	863.33	1 1/2	555.70	1 1/2	271.37	1 1/2	19.32	1 1/2	0	0	0	0	0	0
3/4	1,847.43	3/4	1,515.99	3/4	1,184.55	3/4	856.69	3/4	549.53	3/4	265.69	3/4	16.73	3/4	0	0	0	0	0	0
5	1,840.52	5	1,509.08	5	1,177.64	5	850.04	5	543.36	5	260.01	5	14.13	5	0	0	0	0	0	0
1 1/4	1,833.62	1 1/4	1,502.18	1 1/4	1,170.74	1 1/4	843.44	1 1/4	537.23	1 1/4	254.38	1 1/4	11.54	1 1/4	0	0	0	0	0	0
1 1/2	1,826.71	1 1/2	1,495.27	1 1/2	1,163.83	1 1/2	836.84	1 1/2	531.10	1 1/2	248.74	1 1/2	9.95	1 1/2	0	0	0	0	0	0
3/4	1,819.81	3/4	1,488.37	3/4	1,156.93	3/4	830.23	3/4	524.97	3/4	243.11	3/4	8.36	3/4	0	0	0	0	0	0
6	1,812.90	6	1,481.46	6	1,150.02	6	823.63	6	518.85	6	237.47	6	6.77	6	0	0	0	0	0	0
1 1/4	1,806.00	1 1/4	1,474.56	1 1/4	1,143.12	1 1/4	817.06	1 1/4	512.76	1 1/4	231.87	1 1/4	5.18	1 1/4	0	0	0	0	0	0
1 1/2	1,799.09	1 1/2	1,467.65	1 1/2	1,136.21	1 1/2	810.50	1 1/2	506.67	1 1/2	226.28	1 1/2	3.59	1 1/2	0	0	0	0	0	0
3/4	1,792.19	3/4	1,460.75	3/4	1,129.31	3/4	803.94	3/4	500.58	3/4	220.68	3/4	2.00	3/4	0	0	0	0	0	0
7	1,785.28	7	1,453.84	7	1,122.40	7	797.37	7	494.49	7	215.08	7	0.41	7	0	0	0	0	0	0
1 1/4	1,778.38	1 1/4	1,446.94	1 1/4	1,115.50	1 1/4	790.85	1 1/4	488.45	1 1/4	209.53	1 1/4	0.82	1 1/4	0	0	0	0	0	0
1 1/2	1,771.47	1 1/2	1,440.03	1 1/2	1,108.59	1 1/2	784.33	1 1/2	482.40	1 1/2	203.98	1 1/2	0.23	1 1/2	0	0	0	0	0	0
3/4	1,764.57	3/4	1,433.13	3/4	1,101.69	3/4	777.81	3/4	476.36	3/4	198.42	3/4	0.64	3/4	0	0	0	0	0	0
8	1,757.66	8	1,426.22	8	1,094.78	8	771.29	8	470.31	8	192.87	8	0.05	8	0	0	0	0	0	0
1 1/4	1,750.76	1 1/4	1,419.32	1 1/4	1,087.88	1 1/4	764.81	1 1/4	464.30	1 1/4	187.35	1 1/4	0.46	1 1/4	0	0	0	0	0	0
1 1/2	1,743.85	1 1/2	1,412.41	1 1/2	1,080.98	1 1/2	758.32	1 1/2	458.30	1 1/2	181.84	1 1/2	0.87	1 1/2	0	0	0	0	0	0
3/4	1,736.95	3/4	1,405.51	3/4	1,074.07	3/4	751.84	3/4	452.29	3/4	176.32	3/4	0.28	3/4	0	0	0	0	0	0
9	1,730.04	9	1,398.60	9	1,067.17	9	745.36	9	446.29	9	170.80	9	0.69	9	0	0	0	0	0	0
1 1/4	1,723.14	1 1/4	1,391.70	1 1/4	1,060.27	1 1/4	738.90	1 1/4	440.32	1 1/4	165.33	1 1/4	0.10	1 1/4	0	0	0	0	0	0
1 1/2	1,716.23	1 1/2	1,384.79	1 1/2	1,053.38	1 1/2	732.45	1 1/2	434.36	1 1/2	159.86	1 1/2	0.51	1 1/2	0	0	0	0	0	0
3/4	1,709.33	3/4	1,377.89	3/4	1,046.48	3/4	725.99	3/4	428.40	3/4	154.39	3/4	0.92	3/4	0	0	0	0	0	0
10	1,702.42	10	1,370.98	10	1,039.59	10	719.54	10	422.43	10	148.92	10	0.33	10	0	0	0	0	0	0
1 1/4	1,695.52	1 1/4	1,364.08	1 1/4	1,032.71	1 1/4	713.12	1 1/4	416.51	1 1/4	143.49	1 1/4	0.74	1 1/4	0	0	0	0	0	0
1 1/2	1,688.61	1 1/2	1,357.17	1 1/2	1,025.82	1 1/2	706.71	1 1/2	410.58	1 1/2	138.05	1 1/2	0.15	1 1/2	0	0	0	0	0	0
3/4	1,681.71	3/4	1,350.27	3/4	1,018.94	3/4	700.29	3/4	404.66	3/4	132.62	3/4	0.56	3/4	0	0	0	0	0	0
11	1,674.80	11	1,343.36	11	1,012.06	11	693.88	11	398.73	11	127.18	11	0.97	11	0	0	0	0	0	0
1 1/4	1,667.90	1 1/4	1,336.46	1 1/4	1,005.21	1 1/4	687.50	1 1/4	392.85	1 1/4	121.79	1 1/4	0.38	1 1/4	0	0	0	0	0	0
1 1/2	1,660.99	1 1/2	1,329.56	1 1/2	998.35	1 1/2	681.13	1 1/2	386.97	1 1/2	116.41	1 1/2	0.79	1 1/2	0	0	0	0	0	0
3/4	1,654.09	3/4	1,322.65	3/4	991.50	3/4	674.76	3/4	381.09	3/4	111.02	3/4	0.20	3/4	0	0	0	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2009 CL - SW
 CALCULATED: 05/22/2009 CL
 PRINTED: 05/22/2009 SW

PRECISION MEASUREMENT
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BARGE "KIRBY 28132"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N
0	1,983.75	0	1,652.31	0	1,320.87	0	989.81	0	674.74	0	381.08	0	111.01	0	105.63	0	105.63	0	105.63	0	105.63
1/4	1,976.85	1/4	1,645.41	1/4	1,313.97	1/4	982.98	1/4	668.37	1/4	375.20	1/4	105.63	1/4	100.28	1/4	100.28	1/4	100.28	1/4	100.28
1/2	1,969.94	1/2	1,630.50	1/2	1,307.06	1/2	976.19	1/2	662.04	1/2	369.36	1/2	369.36	1/2	363.52	1/2	363.52	1/2	363.52	1/2	363.52
3/4	1,963.04	3/4	1,631.60	3/4	1,300.16	3/4	969.41	3/4	655.70	3/4	357.67	3/4	357.67	3/4	351.83	3/4	351.83	3/4	351.83	3/4	351.83
1	1,956.13	1	1,624.79	1	1,293.25	1	958.62	1	649.37	1	351.83	1	351.83	1	346.03	1	346.03	1	346.03	1	346.03
1/4	1,949.23	1/4	1,617.99	1/4	1,286.35	1/4	955.83	1/4	643.03	1/4	346.03	1/4	346.03	1/4	340.23	1/4	340.23	1/4	340.23	1/4	340.23
1/2	1,942.32	1/2	1,610.88	1/2	1,279.44	1/2	949.10	1/2	636.74	1/2	340.23	1/2	340.23	1/2	334.43	1/2	334.43	1/2	334.43	1/2	334.43
3/4	1,935.42	3/4	1,603.98	3/4	1,272.54	3/4	942.37	3/4	630.45	3/4	334.43	3/4	334.43	3/4	328.63	3/4	328.63	3/4	328.63	3/4	328.63
1	1,928.51	1	1,597.07	1	1,265.63	1	935.65	1	624.16	1	328.63	1	328.63	1	322.87	1	322.87	1	322.87	1	322.87
1/4	1,921.61	1/4	1,590.17	1/4	1,258.73	1/4	928.92	1/4	617.87	1/4	322.87	1/4	322.87	1/4	317.11	1/4	317.11	1/4	317.11	1/4	317.11
1/2	1,914.70	1/2	1,583.26	1/2	1,251.82	1/2	922.23	1/2	611.62	1/2	317.11	1/2	317.11	1/2	311.35	1/2	311.35	1/2	311.35	1/2	311.35
3/4	1,907.80	3/4	1,576.36	3/4	1,244.92	3/4	915.54	3/4	605.37	3/4	311.35	3/4	311.35	3/4	305.59	3/4	305.59	3/4	305.59	3/4	305.59
1	1,900.89	1	1,569.45	1	1,238.01	1	908.85	1	599.11	1	305.59	1	305.59	1	299.87	1	299.87	1	299.87	1	299.87
1/4	1,893.99	1/4	1,562.55	1/4	1,231.11	1/4	902.16	1/4	592.86	1/4	299.87	1/4	299.87	1/4	294.16	1/4	294.16	1/4	294.16	1/4	294.16
1/2	1,887.08	1/2	1,555.64	1/2	1,224.20	1/2	895.52	1/2	586.65	1/2	294.16	1/2	294.16	1/2	288.44	1/2	288.44	1/2	288.44	1/2	288.44
3/4	1,880.18	3/4	1,548.74	3/4	1,217.30	3/4	888.87	3/4	580.44	3/4	288.44	3/4	288.44	3/4	282.72	3/4	282.72	3/4	282.72	3/4	282.72
1	1,873.27	1	1,541.83	1	1,210.39	1	882.22	1	574.23	1	282.72	1	282.72	1	277.04	1	277.04	1	277.04	1	277.04
1/4	1,866.37	1/4	1,534.93	1/4	1,203.49	1/4	875.57	1/4	568.02	1/4	277.04	1/4	277.04	1/4	271.36	1/4	271.36	1/4	271.36	1/4	271.36
1/2	1,859.46	1/2	1,528.02	1/2	1,196.58	1/2	868.97	1/2	561.85	1/2	271.36	1/2	271.36	1/2	265.69	1/2	265.69	1/2	265.69	1/2	265.69
3/4	1,852.56	3/4	1,521.12	3/4	1,189.68	3/4	862.36	3/4	555.68	3/4	265.69	3/4	265.69	3/4	260.01	3/4	260.01	3/4	260.01	3/4	260.01
1	1,845.65	1	1,514.21	1	1,182.77	1	855.76	1	549.51	1	260.01	1	260.01	1	254.37	1	254.37	1	254.37	1	254.37
1/4	1,838.75	1/4	1,507.31	1/4	1,175.87	1/4	849.15	1/4	543.34	1/4	254.37	1/4	254.37	1/4	248.74	1/4	248.74	1/4	248.74	1/4	248.74
1/2	1,831.84	1/2	1,500.40	1/2	1,168.96	1/2	842.52	1/2	537.22	1/2	248.74	1/2	248.74	1/2	243.10	1/2	243.10	1/2	243.10	1/2	243.10
3/4	1,824.94	3/4	1,493.50	3/4	1,162.06	3/4	836.02	3/4	531.09	3/4	243.10	3/4	243.10	3/4	237.47	3/4	237.47	3/4	237.47	3/4	237.47
1	1,818.03	1	1,486.59	1	1,155.15	1	829.45	1	524.96	1	237.47	1	237.47	1	231.87	1	231.87	1	231.87	1	231.87
1/4	1,811.13	1/4	1,479.69	1/4	1,148.25	1/4	822.89	1/4	518.84	1/4	231.87	1/4	231.87	1/4	226.27	1/4	226.27	1/4	226.27	1/4	226.27
1/2	1,804.22	1/2	1,472.78	1/2	1,141.34	1/2	816.36	1/2	512.75	1/2	226.27	1/2	226.27	1/2	220.67	1/2	220.67	1/2	220.67	1/2	220.67
3/4	1,797.32	3/4	1,465.88	3/4	1,134.44	3/4	809.84	3/4	506.66	3/4	220.67	3/4	220.67	3/4	215.08	3/4	215.08	3/4	215.08	3/4	215.08
1	1,790.41	1	1,458.97	1	1,127.53	1	803.31	1	500.57	1	215.08	1	215.08	1	209.52	1	209.52	1	209.52	1	209.52
1/4	1,783.51	1/4	1,452.07	1/4	1,120.63	1/4	796.79	1/4	494.48	1/4	209.52	1/4	209.52	1/4	203.97	1/4	203.97	1/4	203.97	1/4	203.97
1/2	1,776.60	1/2	1,445.16	1/2	1,113.72	1/2	790.31	1/2	488.44	1/2	203.97	1/2	203.97	1/2	198.42	1/2	198.42	1/2	198.42	1/2	198.42
3/4	1,769.70	3/4	1,438.26	3/4	1,106.82	3/4	783.82	3/4	482.39	3/4	198.42	3/4	198.42	3/4	192.87	3/4	192.87	3/4	192.87	3/4	192.87
1	1,762.79	1	1,431.35	1	1,099.91	1	777.34	1	476.35	1	192.87	1	192.87	1	187.35	1	187.35	1	187.35	1	187.35
1/4	1,755.89	1/4	1,424.45	1/4	1,093.01	1/4	770.86	1/4	470.30	1/4	187.35	1/4	187.35	1/4	181.83	1/4	181.83	1/4	181.83	1/4	181.83
1/2	1,748.98	1/2	1,417.54	1/2	1,086.10	1/2	764.41	1/2	464.30	1/2	181.83	1/2	181.83	1/2	176.32	1/2	176.32	1/2	176.32	1/2	176.32
3/4	1,742.08	3/4	1,410.64	3/4	1,079.20	3/4	757.97	3/4	458.29	3/4	176.32	3/4	176.32	3/4	170.80	3/4	170.80	3/4	170.80	3/4	170.80
1	1,735.17	1	1,403.73	1	1,072.30	1	751.53	1	452.28	1	170.80	1	170.80	1	165.33	1	165.33	1	165.33	1	165.33
1/4	1,728.27	1/4	1,396.83	1/4	1,065.39	1/4	745.08	1/4	446.28	1/4	165.33	1/4	165.33	1/4	160.31	1/4	160.31	1/4	160.31	1/4	160.31
1/2	1,721.36	1/2	1,389.92	1/2	1,058.50	1/2	738.66	1/2	440.31	1/2	160.31	1/2	160.31	1/2	155.39	1/2	155.39	1/2	155.39	1/2	155.39
3/4	1,714.46	3/4	1,383.02	3/4	1,051.60	3/4	732.24	3/4	434.35	3/4	155.39	3/4	155.39	3/4	150.42	3/4	150.42	3/4	150.42	3/4	150.42
1	1,707.55	1	1,376.11	1	1,044.70	1	725.83	1	428.39	1	150.42	1	150.42	1	145.48	1	145.48	1	145.48	1	145.48
1/4	1,700.65	1/4	1,369.21	1/4	1,037.81	1/4	719.41	1/4	422.42	1/4	145.48	1/4	145.48	1/4	140.56	1/4	140.56	1/4	140.56	1/4	140.56
1/2	1,693.74	1/2	1,362.30	1/2	1,030.93	1/2	713.02	1/2	416.50	1/2	140.56	1/2	140.56	1/2	135.64	1/2	135.64	1/2	135.64	1/2	135.64
3/4	1,686.84	3/4	1,355.40	3/4	1,024.05	3/4	706.63	3/4	410.58	3/4	135.64	3/4	135.64	3/4	130.72	3/4	130.72	3/4	130.72	3/4	130.72
1	1,679.93	1	1,348.49	1	1,017.17	1	700.25	1	404.65	1	130.72	1	130.72	1	125.86	1	125.86	1	125.86	1	125.86
1/4	1,673.03	1/4	1,341.59	1/4	1,010.29	1/4	693.86	1/4	398.73	1/4	125.86	1/4	125.86	1/4	120.99	1/4	120.99	1/4	120.99	1/4	120.99
1/2	1,666.12	1/2	1,334.68	1/2	1,003.46	1/2	687.49	1/2	392.85	1/2	120.99	1/2	120.99	1/2	116.14	1/2	116.14	1/2	116.14	1/2	116.14
3/4	1,659.22	3/4	1,327.78	3/4	996.63	3/4	681.12	3/4	386.96	3/4	116.14	3/4	116.14	3/4	111.28	3/4	111.28	3/4	111.28	3/4	111.28

GAUGE HEIGHT 16'-05 1/4"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2009 CL - SW
 CALCULATED: 05/22/2009 CL
 PRINTED: 05/22/2009 SW

CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2009

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



BARGE "KIRBY 28132"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	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	3/4	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	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	1/4	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	1/2	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	3/4	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	2	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	1/4	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	1/2	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	3/4	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	3	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	1/4	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	1/2	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	3/4	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	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	1/4	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	1/2	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	3/4	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	5	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	1/4	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	1/2	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	3/4	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	6	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	1/4	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	1/2	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	3/4	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	7	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	1/4	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	1/2	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	3/4	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	8	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	1/4	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	1/2	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	3/4	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	9	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	1/4	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	1/2	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	3/4	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	10	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	1/4	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	1/2	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	3/4	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	11	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	1/4	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	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	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 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
http://www.pmtacorp.net



BARGE "KIRBY 28132"

2 PORT 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.	
N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN
0	2,498.10	0	2,109.81	0	1,721.51	0	1,333.22	0	944.93	0	557.50	0	169.63	0		0		0	
1/4	2,480.01	1/4	2,101.72	1/4	1,713.42	1/4	1,325.13	1/4	936.84	1/4	549.42	1/4	161.55	1/4		1/4		1/4	
1/2	2,461.92	1/2	2,093.63	1/2	1,705.34	1/2	1,317.04	1/2	928.75	1/2	541.34	1/2	153.47	1/2		1/2		1/2	
3/4	2,443.83	3/4	2,085.54	3/4	1,697.25	3/4	1,308.95	3/4	920.66	3/4	533.26	3/4	145.39	3/4		3/4		3/4	
1	2,425.74	1	2,077.45	1	1,689.16	1	1,300.87	1	912.57	1	525.18	1	137.31	1		1		1	
1/4	2,407.65	1/4	2,069.36	1/4	1,681.07	1/4	1,292.78	1/4	904.48	1/4	517.10	1/4	129.22	1/4		1/4		1/4	
1/2	2,409.56	1/2	2,061.27	1/2	1,672.98	1/2	1,284.69	1/2	896.41	1/2	509.02	1/2	121.14	1/2		1/2		1/2	
3/4	2,411.47	3/4	2,053.18	3/4	1,664.89	3/4	1,276.60	3/4	888.33	3/4	500.94	3/4	113.06	3/4		3/4		3/4	
1	2,433.38	2	2,045.09	2	1,656.80	2	1,268.51	2	880.25	2	492.86	2	104.98	2		2		2	
1/4	2,425.29	1/4	2,037.00	1/4	1,648.71	1/4	1,260.42	1/4	872.18	1/4	484.78	1/4	96.90	1/4		1/4		1/4	
1/2	2,417.20	1/2	2,028.91	1/2	1,640.62	1/2	1,252.33	1/2	864.11	1/2	476.70	1/2	88.82	1/2		1/2		1/2	
3/4	2,409.11	3/4	2,020.82	3/4	1,632.53	3/4	1,244.24	3/4	856.05	3/4	468.61	3/4	80.74	3/4		3/4		3/4	
1	2,401.02	3	2,012.73	3	1,624.44	3	1,236.15	3	847.98	3	460.53	3	72.66	3		3		3	
1/4	2,392.93	1/4	2,004.64	1/4	1,616.35	1/4	1,228.06	1/4	839.92	1/4	452.45	1/4	64.58	1/4		1/4		1/4	
1/2	2,384.85	1/2	1,996.55	1/2	1,608.26	1/2	1,219.97	1/2	831.85	1/2	444.37	1/2	57.51	1/2		1/2		1/2	
3/4	2,376.76	3/4	1,988.46	3/4	1,600.17	3/4	1,211.88	3/4	823.79	3/4	436.29	3/4	50.44	3/4		3/4		3/4	
1	2,368.67	4	1,980.38	4	1,592.08	4	1,203.79	4	815.72	4	428.21	4	43.37	4		4		4	
1/4	2,360.58	1/4	1,972.29	1/4	1,583.99	1/4	1,195.70	1/4	807.66	1/4	420.13	1/4	36.30	1/4		1/4		1/4	
1/2	2,352.49	1/2	1,964.20	1/2	1,575.91	1/2	1,187.61	1/2	799.59	1/2	412.05	1/2	31.25	1/2		1/2		1/2	
3/4	2,344.40	3/4	1,956.11	3/4	1,567.82	3/4	1,179.52	3/4	791.53	3/4	403.97	3/4	26.20	3/4		3/4		3/4	
1	2,336.31	5	1,948.02	5	1,559.73	5	1,171.44	5	783.46	5	395.89	5	21.16	5		5		5	
1/4	2,328.22	1/4	1,939.93	1/4	1,551.64	1/4	1,163.35	1/4	775.40	1/4	387.81	1/4	16.11	1/4		1/4		1/4	
1/2	2,320.13	1/2	1,931.84	1/2	1,543.55	1/2	1,155.26	1/2	767.33	1/2	379.73	1/2	11.06	1/2		1/2		1/2	
3/4	2,312.04	3/4	1,923.75	3/4	1,535.46	3/4	1,147.17	3/4	759.27	3/4	371.65	3/4	6.01	3/4		3/4		3/4	
1	2,303.95	6	1,915.66	6	1,527.37	6	1,139.08	6	751.20	6	363.57	6	1.00	6		6		6	
1/4	2,295.86	1/4	1,907.57	1/4	1,519.28	1/4	1,130.99	1/4	743.14	1/4	355.48	1/4		1/4		1/4		1/4	
1/2	2,287.77	1/2	1,899.48	1/2	1,511.19	1/2	1,122.90	1/2	735.07	1/2	347.40	1/2		1/2		1/2		1/2	
3/4	2,279.68	3/4	1,891.39	3/4	1,503.10	3/4	1,114.81	3/4	727.01	3/4	339.32	3/4		3/4		3/4		3/4	
1	2,271.59	7	1,883.30	7	1,495.01	7	1,106.72	7	718.94	7	331.24	7		7		7		7	
1/4	2,263.50	1/4	1,875.21	1/4	1,486.92	1/4	1,098.63	1/4	710.88	1/4	323.16	1/4		1/4		1/4		1/4	
1/2	2,255.41	1/2	1,867.12	1/2	1,478.83	1/2	1,090.54	1/2	702.81	1/2	315.08	1/2		1/2		1/2		1/2	
3/4	2,247.33	3/4	1,859.03	3/4	1,470.74	3/4	1,082.45	3/4	694.75	3/4	307.00	3/4		3/4		3/4		3/4	
1	2,239.24	8	1,850.94	8	1,462.65	8	1,074.36	8	686.68	8	298.92	8		8		8		8	
1/4	2,231.15	1/4	1,842.86	1/4	1,454.56	1/4	1,066.27	1/4	678.62	1/4	290.84	1/4		1/4		1/4		1/4	
1/2	2,223.06	1/2	1,834.77	1/2	1,446.47	1/2	1,058.18	1/2	670.55	1/2	282.76	1/2		1/2		1/2		1/2	
3/4	2,214.97	3/4	1,826.68	3/4	1,438.39	3/4	1,050.09	3/4	662.49	3/4	274.68	3/4		3/4		3/4		3/4	
1	2,206.88	9	1,818.59	9	1,430.30	9	1,042.00	9	654.42	9	266.60	9		9		9		9	
1/4	2,198.79	1/4	1,810.50	1/4	1,422.21	1/4	1,033.92	1/4	646.36	1/4	258.52	1/4		1/4		1/4		1/4	
1/2	2,190.70	1/2	1,802.41	1/2	1,414.12	1/2	1,025.83	1/2	638.29	1/2	250.44	1/2		1/2		1/2		1/2	
3/4	2,182.61	3/4	1,794.32	3/4	1,406.03	3/4	1,017.74	3/4	630.21	3/4	242.35	3/4		3/4		3/4		3/4	
1	2,174.52	10	1,786.23	10	1,397.94	10	1,009.65	10	622.14	10	234.27	10		10		10		10	
1/4	2,166.43	1/4	1,778.14	1/4	1,389.85	1/4	1,001.56	1/4	614.07	1/4	226.19	1/4		1/4		1/4		1/4	
1/2	2,158.34	1/2	1,770.05	1/2	1,381.76	1/2	993.47	1/2	605.99	1/2	218.11	1/2		1/2		1/2		1/2	
3/4	2,150.25	3/4	1,761.96	3/4	1,373.67	3/4	985.38	3/4	597.91	3/4	210.03	3/4		3/4		3/4		3/4	
1	2,142.16	11	1,753.87	11	1,365.58	11	977.29	11	589.82	11	201.95	11		11		11		11	
1/4	2,134.07	1/4	1,745.78	1/4	1,357.49	1/4	969.20	1/4	581.74	1/4	193.87	1/4		1/4		1/4		1/4	
1/2	2,125.98	1/2	1,737.69	1/2	1,349.40	1/2	961.11	1/2	573.66	1/2	185.79	1/2		1/2		1/2		1/2	
3/4	2,117.89	3/4	1,729.60	3/4	1,341.31	3/4	953.02	3/4	565.58	3/4	177.71	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2009 CL - SW
CALCULATED: 05/22/2009 CL
PRINTED: 05/22/2009 SW

CANCEL S AND SUPERCEDES
ALL PRIOR TO 05/2009

PRECISION MEASUREMENT
& ANALYSIS, INC.

P. O. Box 2092
Pearland, Texas 77588
http://www.pimacorp.net



BARGE "KIRBY 28132"

2 STBD 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4	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 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.
P.O. Box 2082
Pearland, Texas 77588
http://www.primacorp.net



BARGE "KIRBY 28132"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS & OF 42 U.S. GALLONS

IN	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR
0	2,484.93	0	2,096.52	0	1,708.12	0	1,319.71	0	931.76	0	558.44	0	170.23	0		0		0		0
1/4	2,476.84	1/4	2,088.53	1/4	1,700.03	1/4	1,311.62	1/4	923.82	1/4	550.50	1/4	162.14	1/4		1/4		1/4		1/4
1/2	2,468.75	1/2	2,080.34	1/2	1,691.93	1/2	1,303.53	1/2	916.04	1/2	542.41	1/2	154.04	1/2		1/2		1/2		1/2
3/4	2,460.66	3/4	2,072.25	3/4	1,683.84	3/4	1,295.44	3/4	908.26	3/4	534.32	3/4	145.95	3/4		3/4		3/4		3/4
1	2,452.56	1	2,064.16	1	1,675.75	1	1,287.34	1	900.48	1	526.23	1	137.86	1		1		1		1
1/4	2,444.47	1/4	2,056.07	1/4	1,667.66	1/4	1,279.25	1/4	892.70	1/4	518.14	1/4	129.77	1/4		1/4		1/4		1/4
1/2	2,436.38	1/2	2,047.97	1/2	1,659.57	1/2	1,271.16	1/2	884.93	1/2	510.04	1/2	121.68	1/2		1/2		1/2		1/2
3/4	2,428.29	3/4	2,039.88	3/4	1,651.48	3/4	1,263.07	3/4	877.16	3/4	501.95	3/4	113.59	3/4		3/4		3/4		3/4
2	2,420.20	2	2,031.79	2	1,643.38	2	1,254.98	2	869.39	2	493.86	2	105.50	2		2		2		2
1/4	2,412.11	1/4	2,023.70	1/4	1,635.29	1/4	1,246.89	1/4	861.62	1/4	485.77	1/4	97.41	1/4		1/4		1/4		1/4
1/2	2,404.01	1/2	2,015.61	1/2	1,627.20	1/2	1,238.79	1/2	853.86	1/2	477.68	1/2	89.32	1/2		1/2		1/2		1/2
3/4	2,395.92	3/4	2,007.52	3/4	1,619.11	3/4	1,230.70	3/4	846.11	3/4	469.59	3/4	81.23	3/4		3/4		3/4		3/4
3	2,387.83	3	1,999.42	3	1,611.02	3	1,222.61	3	838.35	3	461.50	3	73.14	3		3		3		3
1/4	2,379.74	1/4	1,991.33	1/4	1,602.93	1/4	1,214.52	1/4	830.59	1/4	453.41	1/4	65.05	1/4		1/4		1/4		1/4
1/2	2,371.65	1/2	1,983.24	1/2	1,594.83	1/2	1,206.43	1/2	822.83	1/2	445.32	1/2	57.96	1/2		1/2		1/2		1/2
3/4	2,363.55	3/4	1,975.15	3/4	1,586.74	3/4	1,198.34	3/4	815.08	3/4	437.23	3/4	50.88	3/4		3/4		3/4		3/4
4	2,355.46	4	1,967.06	4	1,578.65	4	1,190.24	4	807.32	4	429.14	4	43.80	4		4		4		4
1/4	2,347.37	1/4	1,958.96	1/4	1,570.56	1/4	1,182.15	1/4	799.56	1/4	421.04	1/4	36.72	1/4		1/4		1/4		1/4
1/2	2,339.28	1/2	1,950.87	1/2	1,562.47	1/2	1,174.06	1/2	791.80	1/2	412.95	1/2	31.66	1/2		1/2		1/2		1/2
3/4	2,331.19	3/4	1,942.78	3/4	1,554.37	3/4	1,165.97	3/4	784.29	3/4	404.86	3/4	26.61	3/4		3/4		3/4		3/4
5	2,323.10	5	1,934.69	5	1,546.28	5	1,157.88	5	776.29	5	396.77	5	21.55	5		5		5		5
1/4	2,315.00	1/4	1,926.60	1/4	1,538.19	1/4	1,149.78	1/4	768.53	1/4	388.68	1/4	16.49	1/4		1/4		1/4		1/4
1/2	2,306.91	1/2	1,918.51	1/2	1,530.10	1/2	1,141.69	1/2	760.77	1/2	380.59	1/2	11.44	1/2		1/2		1/2		1/2
3/4	2,298.82	3/4	1,910.41	3/4	1,522.01	3/4	1,133.60	3/4	753.02	3/4	372.50	3/4	6.39	3/4		3/4		3/4		3/4
6	2,290.73	6	1,902.32	6	1,513.92	6	1,125.51	6	745.26	6	364.41	6	1.34	6		6		6		6
1/4	2,282.64	1/4	1,894.23	1/4	1,505.82	1/4	1,117.42	1/4	737.50	1/4	356.32	1/4	0.29	1/4		1/4		1/4		1/4
1/2	2,274.54	1/2	1,886.14	1/2	1,497.73	1/2	1,109.33	1/2	729.74	1/2	348.23	1/2	0.24	1/2		1/2		1/2		1/2
3/4	2,266.45	3/4	1,878.05	3/4	1,489.64	3/4	1,101.23	3/4	721.99	3/4	340.14	3/4	0.19	3/4		3/4		3/4		3/4
7	2,258.36	7	1,869.95	7	1,481.55	7	1,093.14	7	714.23	7	332.04	7	0.14	7		7		7		7
1/4	2,250.27	1/4	1,861.86	1/4	1,473.46	1/4	1,085.05	1/4	706.47	1/4	323.95	1/4	0.09	1/4		1/4		1/4		1/4
1/2	2,242.18	1/2	1,853.77	1/2	1,465.36	1/2	1,076.96	1/2	698.72	1/2	315.86	1/2	0.04	1/2		1/2		1/2		1/2
3/4	2,234.09	3/4	1,845.68	3/4	1,457.27	3/4	1,068.87	3/4	690.96	3/4	307.77	3/4	0.00	3/4		3/4		3/4		3/4
8	2,225.99	8	1,837.59	8	1,449.18	8	1,060.77	8	683.21	8	299.68	8	0.00	8		8		8		8
1/4	2,217.90	1/4	1,829.50	1/4	1,441.09	1/4	1,052.68	1/4	675.45	1/4	291.59	1/4	0.00	1/4		1/4		1/4		1/4
1/2	2,209.81	1/2	1,821.40	1/2	1,433.00	1/2	1,044.59	1/2	667.69	1/2	283.50	1/2	0.00	1/2		1/2		1/2		1/2
3/4	2,201.72	3/4	1,813.31	3/4	1,424.91	3/4	1,036.50	3/4	659.94	3/4	275.41	3/4	0.00	3/4		3/4		3/4		3/4
9	2,193.63	9	1,805.22	9	1,416.81	9	1,028.41	9	652.18	9	267.32	9	0.00	9		9		9		9
1/4	2,185.53	1/4	1,797.13	1/4	1,408.72	1/4	1,020.32	1/4	644.43	1/4	259.23	1/4	0.00	1/4		1/4		1/4		1/4
1/2	2,177.44	1/2	1,789.04	1/2	1,400.63	1/2	1,012.22	1/2	636.66	1/2	251.14	1/2	0.00	1/2		1/2		1/2		1/2
3/4	2,169.35	3/4	1,780.94	3/4	1,392.54	3/4	1,004.13	3/4	628.90	3/4	243.04	3/4	0.00	3/4		3/4		3/4		3/4
10	2,161.26	10	1,772.85	10	1,384.45	10	996.04	10	621.13	10	234.95	10	0.00	10		10		10		10
1/4	2,153.17	1/4	1,764.76	1/4	1,376.35	1/4	987.95	1/4	613.37	1/4	226.86	1/4	0.00	1/4		1/4		1/4		1/4
1/2	2,145.08	1/2	1,756.67	1/2	1,368.26	1/2	979.86	1/2	605.59	1/2	218.77	1/2	0.00	1/2		1/2		1/2		1/2
3/4	2,136.98	3/4	1,748.58	3/4	1,360.17	3/4	971.76	3/4	597.81	3/4	210.68	3/4	0.00	3/4		3/4		3/4		3/4
11	2,128.89	11	1,740.49	11	1,352.08	11	963.67	11	590.03	11	202.59	11	0.00	11		11		11		11
1/4	2,120.80	1/4	1,732.39	1/4	1,343.99	1/4	955.58	1/4	582.25	1/4	194.50	1/4	0.00	1/4		1/4		1/4		1/4
1/2	2,112.71	1/2	1,724.30	1/2	1,335.90	1/2	947.64	1/2	574.31	1/2	186.41	1/2	0.00	1/2		1/2		1/2		1/2
3/4	2,104.62	3/4	1,716.21	3/4	1,327.80	3/4	939.70	3/4	566.37	3/4	178.32	3/4	0.00	3/4		3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2009 CL - SW
 CALCULATED: 05/22/2009 CL
 PRINTED: 05/22/2009 SW
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2009

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



BARGE "KIRBY 28132"

3 PORT 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.	
N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R
0	0	1,965.23	0	1,603.74	0	1,242.24	0	881.53	0	520.07	0	158.59	0						
1/4	1/4	1,957.70	1/4	1,596.20	1/4	1,234.71	1/4	874.02	1/4	512.54	1/4	151.06	1/4						
1/2	1/2	1,950.17	1/2	1,588.67	1/2	1,227.18	1/2	866.49	1/2	505.01	1/2	143.53	1/2						
3/4	3/4	1,942.64	3/4	1,581.14	3/4	1,219.65	3/4	858.96	3/4	497.48	3/4	136.00	3/4						
1	1	1,935.10	1	1,573.61	1	1,212.12	1	851.43	1	489.95	1	128.47	1						
1/4	1/4	1,927.57	1/4	1,566.08	1/4	1,204.59	1/4	843.90	1/4	482.42	1/4	120.94	1/4						
1/2	1/2	1,920.04	1/2	1,558.55	1/2	1,197.06	1/2	836.37	1/2	474.89	1/2	113.41	1/2						
3/4	3/4	1,912.51	3/4	1,551.02	3/4	1,189.53	3/4	828.83	3/4	467.36	3/4	105.88	3/4						
2	2	1,904.98	2	1,543.49	2	1,181.99	2	821.30	2	459.83	2	98.35	2						
1/4	1/4	1,897.45	1/4	1,535.96	1/4	1,174.46	1/4	813.77	1/4	452.29	1/4	90.82	1/4						
1/2	1/2	1,889.92	1/2	1,528.42	1/2	1,166.93	1/2	806.24	1/2	444.76	1/2	83.29	1/2						
3/4	3/4	1,882.39	3/4	1,520.89	3/4	1,159.40	3/4	798.71	3/4	437.23	3/4	75.75	3/4						
3	3	1,874.86	3	1,513.36	3	1,151.87	3	791.18	3	429.70	3	68.22	3						
1/4	1/4	1,867.32	1/4	1,505.83	1/4	1,144.34	1/4	783.65	1/4	422.17	1/4	60.69	1/4						
1/2	1/2	1,859.79	1/2	1,498.30	1/2	1,136.81	1/2	776.12	1/2	414.64	1/2	54.10	1/2						
3/4	3/4	1,852.26	3/4	1,490.77	3/4	1,129.28	3/4	768.59	3/4	407.11	3/4	47.51	3/4						
4	4	1,844.73	4	1,483.24	4	1,121.75	4	761.06	4	399.58	4	40.92	4						
1/4	1/4	1,837.20	1/4	1,475.71	1/4	1,114.21	1/4	753.53	1/4	392.05	1/4	34.33	1/4						
1/2	1/2	1,829.67	1/2	1,468.18	1/2	1,106.67	1/2	746.00	1/2	384.52	1/2	29.63	1/2						
3/4	3/4	1,822.14	3/4	1,460.64	3/4	1,099.13	3/4	738.46	3/4	376.99	3/4	24.92	3/4						
5	5	1,814.61	5	1,453.11	5	1,091.60	5	730.93	5	369.46	5	20.21	5						
1/4	1/4	1,807.08	1/4	1,445.58	1/4	1,084.07	1/4	723.40	1/4	361.92	1/4	15.51	1/4						
1/2	1/2	1,799.54	1/2	1,438.05	1/2	1,076.54	1/2	715.87	1/2	354.39	1/2		1/2						
3/4	3/4	1,792.01	3/4	1,430.52	3/4	1,069.01	3/4	708.34	3/4	346.86	3/4		3/4						
6	6	1,784.48	6	1,422.99	6	1,061.48	6	700.81	6	339.33	6		6						
1/4	1/4	1,776.95	1/4	1,415.46	1/4	1,053.95	1/4	693.28	1/4	331.80	1/4		1/4						
1/2	1/2	1,769.42	1/2	1,407.93	1/2	1,046.42	1/2	685.75	1/2	324.27	1/2		1/2						
3/4	3/4	1,761.89	3/4	1,400.40	3/4	1,038.89	3/4	678.22	3/4	316.74	3/4		3/4						
7	7	1,754.36	7	1,392.87	7	1,031.36	7	670.69	7	309.21	7		7						
1/4	1/4	1,746.83	1/4	1,385.33	1/4	1,023.83	1/4	663.16	1/4	301.68	1/4		1/4						
1/2	1/2	1,739.30	1/2	1,377.80	1/2	1,016.30	1/2	655.63	1/2	294.15	1/2		1/2						
3/4	3/4	1,731.76	3/4	1,370.27	3/4	1,008.76	3/4	648.10	3/4	286.62	3/4		3/4						
8	8	1,724.23	8	1,362.74	8	1,001.23	8	640.56	8	279.09	8		8						
1/4	1/4	1,716.70	1/4	1,355.21	1/4	993.70	1/4	633.03	1/4	271.56	1/4		1/4						
1/2	1/2	1,709.17	1/2	1,347.68	1/2	986.17	1/2	625.50	1/2	264.02	1/2		1/2						
3/4	3/4	1,701.64	3/4	1,340.15	3/4	978.64	3/4	617.97	3/4	256.49	3/4		3/4						
9	9	1,694.11	9	1,332.62	9	971.11	9	610.44	9	248.96	9		9						
1/4	1/4	1,686.58	1/4	1,325.09	1/4	963.58	1/4	602.91	1/4	241.43	1/4		1/4						
1/2	1/2	1,679.05	1/2	1,317.55	1/2	956.05	1/2	595.38	1/2	233.90	1/2		1/2						
3/4	3/4	1,671.52	3/4	1,310.02	3/4	948.52	3/4	587.85	3/4	226.37	3/4		3/4						
10	10	1,663.98	10	1,302.49	10	941.00	10	580.32	10	218.84	10		10						
1/4	1/4	1,656.45	1/4	1,294.96	1/4	933.47	1/4	572.79	1/4	211.31	1/4		1/4						
1/2	1/2	1,648.92	1/2	1,287.43	1/2	925.94	1/2	565.26	1/2	203.78	1/2		1/2						
3/4	3/4	1,641.39	3/4	1,279.90	3/4	918.41	3/4	557.73	3/4	196.25	3/4		3/4						
11	11	1,633.86	11	1,272.37	11	910.88	11	550.19	11	188.72	11		11						
1/4	1/4	1,626.33	1/4	1,264.84	1/4	903.35	1/4	542.66	1/4	181.19	1/4		1/4						
1/2	1/2	1,618.80	1/2	1,257.31	1/2	895.82	1/2	535.13	1/2	173.65	1/2		1/2						
3/4	3/4	1,611.27	3/4	1,249.77	3/4	888.29	3/4	527.60	3/4	166.12	3/4		3/4						

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2009

P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 28132"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
0	2,313.49	0	1,953.33	0	1,594.95	0	1,234.10	0	879.74	0	526.53	0	166.11	0	0	0	0	0	0
1/4	2,305.97	1/4	1,946.88	1/4	1,587.44	1/4	1,226.88	1/4	872.36	1/4	519.15	1/4	158.58	1/4	0	1/4	0	1/4	0
1/2	2,298.46	1/2	1,939.93	1/2	1,579.92	1/2	1,219.06	1/2	864.99	1/2	511.77	1/2	151.05	1/2	0	1/2	0	1/2	0
3/4	2,290.94	3/4	1,932.48	3/4	1,572.40	3/4	1,211.68	3/4	857.61	3/4	504.32	3/4	143.52	3/4	0	3/4	0	3/4	0
1	2,283.43	1	1,924.92	1	1,564.88	1	1,204.30	1	850.23	1	496.87	1	135.99	1	1	1	1	1	1
1/4	2,275.91	1/4	1,917.57	1/4	1,557.37	1/4	1,196.62	1/4	842.85	1/4	489.42	1/4	128.46	1/4	0	1/4	0	1/4	0
1/2	2,268.39	1/2	1,909.12	1/2	1,549.85	1/2	1,188.34	1/2	835.47	1/2	481.97	1/2	120.93	1/2	0	1/2	0	1/2	0
3/4	2,260.87	3/4	1,901.67	3/4	1,542.33	3/4	1,182.16	3/4	828.09	3/4	474.46	3/4	113.40	3/4	0	3/4	0	3/4	0
2	2,253.36	2	1,894.22	2	1,534.81	2	1,174.77	2	820.71	2	466.94	2	105.87	2	2	2	2	2	2
1/4	2,245.84	1/4	1,886.76	1/4	1,527.29	1/4	1,167.40	1/4	813.34	1/4	459.42	1/4	98.34	1/4	0	1/4	0	1/4	0
1/2	2,238.32	1/2	1,879.31	1/2	1,519.78	1/2	1,160.01	1/2	805.96	1/2	451.90	1/2	90.81	1/2	0	1/2	0	1/2	0
3/4	2,230.80	3/4	1,871.86	3/4	1,512.26	3/4	1,152.63	3/4	798.60	3/4	444.38	3/4	83.28	3/4	0	3/4	0	3/4	0
3	2,223.28	3	1,864.41	3	1,504.74	3	1,145.25	3	791.24	3	436.86	3	75.75	3	3	3	3	3	3
1/4	2,215.77	1/4	1,856.96	1/4	1,497.22	1/4	1,137.87	1/4	783.88	1/4	429.34	1/4	68.22	1/4	0	1/4	0	1/4	0
1/2	2,208.25	1/2	1,849.51	1/2	1,489.71	1/2	1,130.49	1/2	776.51	1/2	421.82	1/2	60.69	1/2	0	1/2	0	1/2	0
3/4	2,200.73	3/4	1,842.05	3/4	1,482.19	3/4	1,123.11	3/4	769.17	3/4	414.30	3/4	54.10	3/4	0	3/4	0	3/4	0
4	2,193.21	4	1,834.60	4	1,474.67	4	1,115.73	4	761.82	4	406.79	4	47.51	4	4	4	4	4	4
1/4	2,185.70	1/4	1,827.15	1/4	1,467.15	1/4	1,108.35	1/4	754.47	1/4	399.27	1/4	40.92	1/4	0	1/4	0	1/4	0
1/2	2,178.18	1/2	1,819.70	1/2	1,459.63	1/2	1,100.96	1/2	747.12	1/2	391.75	1/2	34.33	1/2	0	1/2	0	1/2	0
3/4	2,170.66	3/4	1,812.25	3/4	1,452.12	3/4	1,093.59	3/4	739.77	3/4	384.23	3/4	29.62	3/4	0	3/4	0	3/4	0
5	2,163.14	5	1,804.79	5	1,444.60	5	1,086.22	5	732.43	5	376.71	5	24.92	5	5	5	5	5	5
1/4	2,155.63	1/4	1,797.34	1/4	1,437.08	1/4	1,078.84	1/4	725.08	1/4	369.19	1/4	20.21	1/4	0	1/4	0	1/4	0
1/2	2,148.11	1/2	1,789.89	1/2	1,429.56	1/2	1,071.47	1/2	717.73	1/2	361.67	1/2	15.50	1/2	0	1/2	0	1/2	0
3/4	2,140.59	3/4	1,782.44	3/4	1,422.04	3/4	1,064.09	3/4	710.38	3/4	354.15	3/4	10.80	3/4	0	3/4	0	3/4	0
6	2,133.07	6	1,774.99	6	1,414.53	6	1,056.72	6	703.03	6	346.64	6	6.10	6	6	6	6	6	6
1/4	2,125.55	1/4	1,767.53	1/4	1,407.01	1/4	1,049.35	1/4	695.68	1/4	339.12	1/4	1.40	1/4	0	1/4	0	1/4	0
1/2	2,118.04	1/2	1,760.08	1/2	1,399.49	1/2	1,041.97	1/2	688.33	1/2	331.60	1/2	0.70	1/2	0	1/2	0	1/2	0
3/4	2,110.52	3/4	1,752.63	3/4	1,391.97	3/4	1,034.60	3/4	680.98	3/4	324.08	3/4	0.00	3/4	0	3/4	0	3/4	0
7	2,103.00	7	1,745.18	7	1,384.46	7	1,027.22	7	673.63	7	316.56	7	0.70	7	7	7	7	7	7
1/4	2,095.48	1/4	1,737.73	1/4	1,376.94	1/4	1,019.85	1/4	666.28	1/4	309.04	1/4	0.00	1/4	0	1/4	0	1/4	0
1/2	2,087.97	1/2	1,730.27	1/2	1,369.42	1/2	1,012.47	1/2	658.93	1/2	301.52	1/2	0.70	1/2	0	1/2	0	1/2	0
3/4	2,080.45	3/4	1,722.76	3/4	1,361.90	3/4	1,005.10	3/4	651.58	3/4	294.00	3/4	0.00	3/4	0	3/4	0	3/4	0
8	2,073.06	8	1,715.24	8	1,354.38	8	997.73	8	644.24	8	286.49	8	0.70	8	8	8	8	8	8
1/4	2,065.61	1/4	1,707.72	1/4	1,346.87	1/4	990.35	1/4	636.89	1/4	278.97	1/4	0.00	1/4	0	1/4	0	1/4	0
1/2	2,058.16	1/2	1,700.20	1/2	1,339.35	1/2	982.98	1/2	629.54	1/2	271.45	1/2	0.70	1/2	0	1/2	0	1/2	0
3/4	2,050.71	3/4	1,692.69	3/4	1,331.83	3/4	975.60	3/4	622.19	3/4	263.93	3/4	0.00	3/4	0	3/4	0	3/4	0
9	2,043.25	9	1,685.17	9	1,324.31	9	968.23	9	614.84	9	256.41	9	0.70	9	9	9	9	9	9
1/4	2,035.80	1/4	1,677.65	1/4	1,316.80	1/4	960.86	1/4	607.49	1/4	248.89	1/4	0.00	1/4	0	1/4	0	1/4	0
1/2	2,028.35	1/2	1,670.13	1/2	1,309.28	1/2	953.48	1/2	600.14	1/2	241.37	1/2	0.70	1/2	0	1/2	0	1/2	0
3/4	2,020.90	3/4	1,662.61	3/4	1,301.76	3/4	946.11	3/4	592.79	3/4	233.85	3/4	0.00	3/4	0	3/4	0	3/4	0
10	2,013.45	10	1,655.10	10	1,294.24	10	938.73	10	585.44	10	226.33	10	0.70	10	10	10	10	10	10
1/4	2,005.99	1/4	1,647.58	1/4	1,286.72	1/4	931.36	1/4	578.09	1/4	218.82	1/4	0.00	1/4	0	1/4	0	1/4	0
1/2	1,998.54	1/2	1,640.06	1/2	1,279.21	1/2	923.98	1/2	570.74	1/2	211.30	1/2	0.70	1/2	0	1/2	0	1/2	0
3/4	1,991.09	3/4	1,632.54	3/4	1,271.69	3/4	916.61	3/4	563.38	3/4	203.77	3/4	0.00	3/4	0	3/4	0	3/4	0
11	1,983.64	11	1,625.03	11	1,264.17	11	909.24	11	556.01	11	196.24	11	0.70	11	11	11	11	11	11
1/4	1,976.19	1/4	1,617.51	1/4	1,256.65	1/4	901.86	1/4	548.65	1/4	188.71	1/4	0.00	1/4	0	1/4	0	1/4	0
1/2	1,968.74	1/2	1,609.99	1/2	1,249.14	1/2	894.49	1/2	541.29	1/2	181.18	1/2	0.70	1/2	0	1/2	0	1/2	0
3/4	1,961.28	3/4	1,602.47	3/4	1,241.62	3/4	887.11	3/4	533.91	3/4	173.64	3/4	0.00	3/4	0	3/4	0	3/4	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2009

PRECISION MEASUREMENT
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