



BARGE "KIRBY 11322"

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	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4
2 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
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 2 CENTER IS 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 161'-03"

April 6, 2007

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

<http://www.pmacorp.net>



BARGE "KIRBY 11322"

1 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-00"

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	3,402.51	0	3,181.55	0	2,960.64	0	2,739.74	0	2,500.97	0	2,245.86	0	1,990.75		
1/4	1/4	1/4	1/4	1/4	1/4	3,397.90	1/4	3,176.94	1/4	2,956.04	1/4	2,735.14	1/4	2,495.65	1/4	2,240.54	1/4	1,985.43		
1/2	1/2	1/2	1/2	1/2	1/2	3,393.30	1/2	3,172.34	1/2	2,951.44	1/2	2,730.54	1/2	2,490.34	1/2	2,235.23	1/2	1,980.12		
3/4	3/4	3/4	3/4	3/4	3/4	3,388.70	3/4	3,167.74	3/4	2,946.84	3/4	2,725.93	3/4	2,485.02	3/4	2,229.91	3/4	1,974.80		
1	1	1	1	1	1	3,384.09	1	3,163.13	1	2,942.23	1	2,721.33	1	2,479.71	1	2,224.60	1	1,969.49		
1/4	1/4	1/4	1/4	1/4	1/4	3,379.49	1/4	3,158.53	1/4	2,937.63	1/4	2,716.73	1/4	2,474.39	1/4	2,219.28	1/4	1,964.17		
1/2	1/2	1/2	1/2	1/2	1/2	3,374.89	1/2	3,153.93	1/2	2,933.03	1/2	2,712.13	1/2	2,469.08	1/2	2,213.97	1/2	1,958.86		
3/4	3/4	3/4	3/4	3/4	3/4	3,370.28	3/4	3,149.33	3/4	2,928.43	3/4	2,707.53	3/4	2,463.76	3/4	2,208.65	3/4	1,953.54		
2	2	2	2	2	2	3,365.68	2	3,144.73	2	2,923.83	2	2,702.92	2	2,458.45	2	2,203.34	2	1,948.23		
1/4	1/4	1/4	1/4	1/4	1/4	3,361.08	1/4	3,140.12	1/4	2,919.22	1/4	2,698.32	1/4	2,453.13	1/4	2,198.02	1/4	1,942.91		
1/2	1/2	1/2	1/2	1/2	1/2	3,356.47	1/2	3,135.52	1/2	2,914.62	1/2	2,693.72	1/2	2,447.82	1/2	2,192.71	1/2	1,937.60		
3/4	3/4	3/4	3/4	3/4	3/4	3,351.87	3/4	3,130.92	3/4	2,910.02	3/4	2,689.12	3/4	2,442.51	3/4	2,187.39	3/4	1,932.28		
3	3	3	3	3	3	3,347.27	3	3,126.32	3	2,905.42	3	2,684.52	3	2,437.19	3	2,182.08	3	1,926.97		
1/4	1/4	1/4	1/4	1/4	1/4	3,342.66	1/4	3,121.72	1/4	2,900.81	1/4	2,679.91	1/4	2,431.88	1/4	2,176.77	1/4	1,921.65		
1/2	1/2	1/2	1/2	1/2	1/2	3,338.06	1/2	3,117.11	1/2	2,896.21	1/2	2,675.31	1/2	2,426.56	1/2	2,171.45	1/2	1,916.34		
3/4	3/4	3/4	3/4	3/4	3/4	3,333.46	3/4	3,112.51	3/4	2,891.61	3/4	2,670.71	3/4	2,421.25	3/4	2,166.14	3/4	1,911.03		
4	4	4	4	4	4	3,328.85	4	3,107.91	4	2,887.01	4	2,666.11	4	2,415.93	4	2,160.82	4	1,905.71		
1/4	1/4	1/4	1/4	1/4	1/4	3,324.25	1/4	3,103.31	1/4	2,882.41	1/4	2,661.51	1/4	2,410.62	1/4	2,155.51	1/4	1,900.40		
1/2	1/2	1/2	1/2	1/2	1/2	3,319.65	1/2	3,098.70	1/2	2,877.80	1/2	2,656.90	1/2	2,405.30	1/2	2,150.19	1/2	1,895.08		
3/4	3/4	3/4	3/4	3/4	3/4	3,315.04	3/4	3,094.10	3/4	2,873.20	3/4	2,652.30	3/4	2,399.99	3/4	2,144.88	3/4	1,889.77		
5	5	5	5	5	5	3,310.44	5	3,089.50	5	2,868.60	5	2,647.70	5	2,394.67	5	2,139.56	5	1,884.45		
1/4	1/4	1/4	1/4	1/4	1/4	3,305.84	1/4	3,084.90	1/4	2,864.00	1/4	2,642.92	1/4	2,389.36	1/4	2,134.25	1/4	1,879.14		
1/2	1/2	1/2	1/2	1/2	1/2	3,301.23	1/2	3,080.30	1/2	2,859.40	1/2	2,638.13	1/2	2,384.04	1/2	2,128.93	1/2	1,873.82		
3/4	3/4	3/4	3/4	3/4	3/4	3,296.63	3/4	3,075.69	3/4	2,854.79	3/4	2,633.35	3/4	2,378.73	3/4	2,123.62	3/4	1,868.51		
6	6	6	6	6	6	3,292.03	6	3,071.09	6	2,850.19	6	2,628.57	6	2,373.41	6	2,118.30	6	1,863.19		
1/4	1/4	1/4	1/4	1/4	1/4	3,287.42	1/4	3,066.49	1/4	2,845.59	1/4	2,623.24	1/4	2,368.10	1/4	2,112.99	1/4	1,857.88		
1/2	1/2	1/2	1/2	1/2	1/2	3,282.82	1/2	3,061.89	1/2	2,840.99	1/2	2,617.92	1/2	2,362.78	1/2	2,107.67	1/2	1,852.56		
3/4	3/4	3/4	3/4	3/4	3/4	3,475.88	3/4	3,278.22	3/4	3,057.29	3/4	2,836.39	3/4	2,612.59	3/4	2,357.47	3/4	2,102.36	3/4	1,847.25
7	7	7	7	7	7	3,475.66	7	3,273.61	7	3,052.68	7	2,831.78	7	2,607.27	7	2,352.15	7	2,097.04	7	1,841.93
1/4	1/4	1/4	1/4	1/4	1/4	3,474.33	1/4	3,269.01	1/4	3,048.08	1/4	2,827.18	1/4	2,601.95	1/4	2,346.84	1/4	2,091.73	1/4	1,836.62
1/2	1/2	1/2	1/2	1/2	1/2	3,473.00	1/2	3,264.41	1/2	3,043.48	1/2	2,822.58	1/2	2,596.64	1/2	2,341.52	1/2	2,086.41	1/2	1,831.30
3/4	3/4	3/4	3/4	3/4	3/4	3,471.67	3/4	3,259.80	3/4	3,038.88	3/4	2,817.98	3/4	2,591.32	3/4	2,336.21	3/4	2,081.10	3/4	1,825.99
8	8	8	8	8	8	3,470.34	8	3,255.20	8	3,034.28	8	2,813.37	8	2,586.00	8	2,330.89	8	2,075.78	8	1,820.67
1/4	1/4	1/4	1/4	1/4	1/4	3,467.23	1/4	3,250.60	1/4	3,029.67	1/4	2,808.77	1/4	2,580.69	1/4	2,325.58	1/4	2,070.47	1/4	1,815.36
1/2	1/2	1/2	1/2	1/2	1/2	3,464.12	1/2	3,245.99	1/2	3,025.07	1/2	2,804.17	1/2	2,575.38	1/2	2,320.26	1/2	2,065.15	1/2	1,810.04
3/4	3/4	3/4	3/4	3/4	3/4	3,461.02	3/4	3,241.39	3/4	3,020.47	3/4	2,799.57	3/4	2,570.06	3/4	2,314.95	3/4	2,059.84	3/4	1,804.73
9	9	9	9	9	9	3,457.91	9	3,236.79	9	3,015.87	9	2,794.97	9	2,564.75	9	2,309.64	9	2,054.52	9	1,799.41
1/4	1/4	1/4	1/4	1/4	1/4	3,453.27	1/4	3,232.18	1/4	3,011.27	1/4	2,790.36	1/4	2,559.43	1/4	2,304.32	1/4	2,049.21	1/4	1,794.10
1/2	1/2	1/2	1/2	1/2	1/2	3,448.62	1/2	3,227.58	1/2	3,006.66	1/2	2,785.76	1/2	2,554.12	1/2	2,299.01	1/2	2,043.90	1/2	1,788.78
3/4	3/4	3/4	3/4	3/4	3/4	3,443.98	3/4	3,222.98	3/4	3,002.06	3/4	2,781.16	3/4	2,548.80	3/4	2,293.69	3/4	2,038.58	3/4	1,783.47
10	10	10	10	10	10	3,439.33	10	3,218.37	10	2,997.46	10	2,776.56	10	2,543.49	10	2,288.38	10	2,033.27	10	1,778.16
1/4	1/4	1/4	1/4	1/4	1/4	3,434.73	1/4	3,213.77	1/4	2,992.86	1/4	2,771.96	1/4	2,538.17	1/4	2,283.06	1/4	2,027.95	1/4	1,772.84
1/2	1/2	1/2	1/2	1/2	1/2	3,430.13	1/2	3,209.17	1/2	2,988.25	1/2	2,767.35	1/2	2,532.86	1/2	2,277.75	1/2	2,022.64	1/2	1,767.53
3/4	3/4	3/4	3/4	3/4	3/4	3,425.52	3/4	3,204.56	3/4	2,983.65	3/4	2,762.75	3/4	2,527.54	3/4	2,272.43	3/4	2,017.32	3/4	1,762.21
11	11	11	11	11	11	3,420.92	11	3,199.96	11	2,979.05	11	2,758.15	11	2,522.23	11	2,267.12	11	2,012.01	11	1,756.90
1/4	1/4	1/4	1/4	1/4	1/4	3,416.32	1/4	3,195.36	1/4	2,974.45	1/4	2,753.55	1/4	2,516.91	1/4	2,261.80	1/4	2,006.69	1/4	1,751.58
1/2	1/2	1/2	1/2	1/2	1/2	3,411.71	1/2	3,190.75	1/2	2,969.85	1/2	2,748.95	1/2	2,511.60	1/2	2,256.49	1/2	2,001.38	1/2	1,746.27
3/4	3/4	3/4	3/4	3/4	3/4	3,407.11	3/4	3,186.15	3/4	2,965.24	3/4	2,744.34	3/4	2,506.28	3/4	2,251.17	3/4	1,996.06	3/4	1,740.95

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 24'-00" FORWARD OF AFT BULKHEAD.

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

Pearland, Texas 77588
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BARGE "KIRBY 11322"

1 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-00"

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	1,735.64	0	1,481.19	0	1,226.51	0	971.53	0	717.61	0	466.41	0	212.43	0	0.46	0		0	
1/4	1,730.32	1/4	1,475.90	1/4	1,221.20	1/4	966.21	1/4	712.40	1/4	461.16	1/4	207.11	1/4		1/4		1/4	
1/2	1,725.01	1/2	1,470.61	1/2	1,215.89	1/2	960.90	1/2	707.18	1/2	455.90	1/2	201.78	1/2		1/2		1/2	
3/4	1,719.69	3/4	1,465.32	3/4	1,210.57	3/4	955.59	3/4	701.96	3/4	450.65	3/4	196.46	3/4		3/4		3/4	
1	1,714.38	1	1,460.03	1	1,205.26	1	950.28	1	696.74	1	445.39	1	191.13	1		1		1	
1/4	1,709.06	1/4	1,454.74	1/4	1,199.95	1/4	944.96	1/4	691.52	1/4	440.14	1/4	185.81	1/4		1/4		1/4	
1/2	1,703.75	1/2	1,449.45	1/2	1,194.64	1/2	939.65	1/2	686.31	1/2	434.88	1/2	180.48	1/2		1/2		1/2	
3/4	1,698.43	3/4	1,444.16	3/4	1,189.33	3/4	934.34	3/4	681.09	3/4	429.63	3/4	175.16	3/4		3/4		3/4	
2	1,693.12	2	1,438.87	2	1,184.01	2	929.03	2	675.87	2	424.37	2	169.83	2		2		2	
1/4	1,687.80	1/4	1,433.58	1/4	1,178.70	1/4	923.72	1/4	670.65	1/4	419.12	1/4	164.51	1/4		1/4		1/4	
1/2	1,682.49	1/2	1,428.29	1/2	1,173.39	1/2	918.40	1/2	665.43	1/2	413.86	1/2	159.18	1/2		1/2		1/2	
3/4	1,677.17	3/4	1,423.00	3/4	1,168.08	3/4	913.09	3/4	660.22	3/4	408.61	3/4	153.86	3/4		3/4		3/4	
3	1,671.86	3	1,417.71	3	1,162.76	3	907.78	3	655.00	3	403.35	3	148.53	3		3		3	
1/4	1,666.54	1/4	1,412.41	1/4	1,157.45	1/4	902.47	1/4	649.78	1/4	398.10	1/4	143.21	1/4		1/4		1/4	
1/2	1,661.23	1/2	1,407.11	1/2	1,152.14	1/2	897.15	1/2	644.56	1/2	392.84	1/2	137.88	1/2		1/2		1/2	
3/4	1,655.91	3/4	1,401.81	3/4	1,146.83	3/4	891.84	3/4	639.34	3/4	387.59	3/4	132.56	3/4		3/4		3/4	
4	1,650.60	4	1,396.51	4	1,141.52	4	886.53	4	634.13	4	382.33	4	127.23	4		4		4	
1/4	1,645.29	1/4	1,391.19	1/4	1,136.20	1/4	881.22	1/4	628.91	1/4	377.07	1/4	121.91	1/4		1/4		1/4	
1/2	1,639.97	1/2	1,385.88	1/2	1,130.89	1/2	875.91	1/2	623.69	1/2	371.82	1/2	116.58	1/2		1/2		1/2	
3/4	1,634.66	3/4	1,380.57	3/4	1,125.58	3/4	870.59	3/4	618.47	3/4	366.56	3/4	111.26	3/4		3/4		3/4	
5	1,629.34	5	1,375.25	5	1,120.27	5	865.28	5	613.26	5	361.31	5	105.93	5		5		5	
1/4	1,624.04	1/4	1,369.94	1/4	1,114.95	1/4	859.97	1/4	608.04	1/4	355.99	1/4	100.83	1/4		1/4		1/4	
1/2	1,618.74	1/2	1,364.63	1/2	1,109.64	1/2	854.66	1/2	602.82	1/2	350.68	1/2	95.72	1/2		1/2		1/2	
3/4	1,613.44	3/4	1,359.32	3/4	1,104.33	3/4	849.34	3/4	597.60	3/4	345.36	3/4	90.62	3/4		3/4		3/4	
6	1,608.13	6	1,354.00	6	1,099.02	6	844.03	6	592.38	6	340.05	6	85.52	6		6		6	
1/4	1,602.84	1/4	1,348.69	1/4	1,093.71	1/4	838.72	1/4	587.17	1/4	334.73	1/4	80.75	1/4		1/4		1/4	
1/2	1,597.55	1/2	1,343.38	1/2	1,088.39	1/2	833.41	1/2	581.95	1/2	329.42	1/2	75.98	1/2		1/2		1/2	
3/4	1,592.26	3/4	1,338.07	3/4	1,083.08	3/4	828.10	3/4	576.73	3/4	324.10	3/4	71.20	3/4		3/4		3/4	
7	1,586.98	7	1,332.76	7	1,077.77	7	822.78	7	571.51	7	318.78	7	66.43	7		7		7	
1/4	1,581.69	1/4	1,327.44	1/4	1,072.46	1/4	817.47	1/4	566.26	1/4	313.47	1/4	62.01	1/4		1/4		1/4	
1/2	1,576.40	1/2	1,322.13	1/2	1,067.15	1/2	812.16	1/2	561.00	1/2	308.15	1/2	57.58	1/2		1/2		1/2	
3/4	1,571.11	3/4	1,316.82	3/4	1,061.83	3/4	806.85	3/4	555.75	3/4	302.84	3/4	53.16	3/4		3/4		3/4	
8	1,565.82	8	1,311.51	8	1,056.52	8	801.54	8	550.49	8	297.52	8	48.73	8		8		8	
1/4	1,560.53	1/4	1,306.19	1/4	1,051.21	1/4	796.28	1/4	545.24	1/4	292.21	1/4	44.65	1/4		1/4		1/4	
1/2	1,555.24	1/2	1,300.88	1/2	1,045.90	1/2	791.03	1/2	539.98	1/2	286.89	1/2	40.57	1/2		1/2		1/2	
3/4	1,549.95	3/4	1,295.57	3/4	1,040.58	3/4	785.77	3/4	534.73	3/4	281.58	3/4	36.49	3/4		3/4		3/4	
9	1,544.66	9	1,290.26	9	1,035.27	9	780.52	9	529.47	9	276.26	9	32.40	9		9		9	
1/4	1,539.37	1/4	1,284.95	1/4	1,029.96	1/4	775.26	1/4	524.22	1/4	270.94	1/4	27.97	1/4		1/4		1/4	
1/2	1,534.08	1/2	1,279.63	1/2	1,024.65	1/2	770.01	1/2	518.96	1/2	265.63	1/2	23.53	1/2		1/2		1/2	
3/4	1,528.79	3/4	1,274.32	3/4	1,019.34	3/4	764.76	3/4	513.71	3/4	260.31	3/4	19.09	3/4		3/4		3/4	
10	1,523.50	10	1,269.01	10	1,014.02	10	759.50	10	508.45	10	255.00	10	14.65	10		10		10	
1/4	1,518.21	1/4	1,263.70	1/4	1,008.71	1/4	754.25	1/4	503.20	1/4	249.68	1/4	11.99	1/4		1/4		1/4	
1/2	1,512.92	1/2	1,258.38	1/2	1,003.40	1/2	748.99	1/2	497.94	1/2	244.36	1/2	9.33	1/2		1/2		1/2	
3/4	1,507.63	3/4	1,253.07	3/4	998.09	3/4	743.74	3/4	492.69	3/4	239.05	3/4	6.67	3/4		3/4		3/4	
11	1,502.34	11	1,247.76	11	992.77	11	738.48	11	487.43	11	233.73	11	4.01	11		11		11	
1/4	1,497.05	1/4	1,242.45	1/4	987.46	1/4	733.27	1/4	482.18	1/4	228.41	1/4	3.12	1/4		1/4		1/4	
1/2	1,491.76	1/2	1,237.14	1/2	982.15	1/2	728.05	1/2	476.92	1/2	223.08	1/2	2.23	1/2		1/2		1/2	
3/4	1,486.47	3/4	1,231.82	3/4	976.84	3/4	722.83	3/4	471.67	3/4	217.76	3/4	1.35	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/05/2007 CL - SW
CALCULATED: 04/06/2007 CL
PRINTED: 04/06/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 11322"

2 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-00 1/4"

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	3,525.87	0	3,271.73	0	3,017.59	0	2,763.44	0	2,509.30	0	2,255.16	0	2,001.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,520.57	1/4	3,266.43	1/4	3,012.29	1/4	2,758.15	1/4	2,504.01	1/4	2,249.87	1/4	1,995.73		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,515.28	1/2	3,261.14	1/2	3,007.00	1/2	2,752.86	1/2	2,498.71	1/2	2,244.57	1/2	1,990.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,509.98	3/4	3,255.84	3/4	3,001.70	3/4	2,747.56	3/4	2,493.42	3/4	2,239.28	3/4	1,985.14		
1		1		1		1	3,504.69	1	3,250.55	1	2,996.41	1	2,742.27	1	2,488.13	1	2,233.98	1	1,979.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,499.39	1/4	3,245.25	1/4	2,991.11	1/4	2,736.97	1/4	2,482.83	1/4	2,228.69	1/4	1,974.55		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,494.10	1/2	3,239.96	1/2	2,985.82	1/2	2,731.68	1/2	2,477.54	1/2	2,223.40	1/2	1,969.25		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,488.81	3/4	3,234.66	3/4	2,980.52	3/4	2,726.38	3/4	2,472.24	3/4	2,218.10	3/4	1,963.96		
2		2		2		2	3,483.51	2	3,229.37	2	2,975.23	2	2,721.09	2	2,466.95	2	2,212.81	2	1,958.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,478.22	1/4	3,224.08	1/4	2,969.93	1/4	2,715.79	1/4	2,461.65	1/4	2,207.51	1/4	1,953.37		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,472.92	1/2	3,218.78	1/2	2,964.64	1/2	2,710.50	1/2	2,456.36	1/2	2,202.22	1/2	1,948.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,467.63	3/4	3,213.49	3/4	2,959.35	3/4	2,705.20	3/4	2,451.06	3/4	2,196.92	3/4	1,942.78		
3		3		3		3	3,462.33	3	3,208.19	3	2,954.05	3	2,699.91	3	2,445.77	3	2,191.63	3	1,937.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,457.04	1/4	3,202.90	1/4	2,948.76	1/4	2,694.62	1/4	2,440.47	1/4	2,186.33	1/4	1,932.19		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,451.74	1/2	3,197.60	1/2	2,943.46	1/2	2,689.32	1/2	2,435.18	1/2	2,181.04	1/2	1,926.90		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,446.45	3/4	3,192.31	3/4	2,938.17	3/4	2,684.03	3/4	2,429.89	3/4	2,175.74	3/4	1,921.60		
4		4		4		4	3,441.15	4	3,187.01	4	2,932.87	4	2,678.73	4	2,424.59	4	2,170.45	4	1,916.31		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,435.86	1/4	3,181.72	1/4	2,927.58	1/4	2,673.44	1/4	2,419.30	1/4	2,165.16	1/4	1,911.01		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,430.56	1/2	3,176.42	1/2	2,922.28	1/2	2,668.14	1/2	2,414.00	1/2	2,159.86	1/2	1,905.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,425.27	3/4	3,171.13	3/4	2,916.99	3/4	2,662.85	3/4	2,408.71	3/4	2,154.57	3/4	1,900.43		
5		5		5		5	3,419.98	5	3,165.83	5	2,911.69	5	2,657.55	5	2,403.41	5	2,149.27	5	1,895.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,414.68	1/4	3,160.54	1/4	2,906.40	1/4	2,652.26	1/4	2,398.12	1/4	2,143.98	1/4	1,889.84		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,409.39	1/2	3,155.25	1/2	2,901.10	1/2	2,646.96	1/2	2,392.82	1/2	2,138.68	1/2	1,884.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,404.09	3/4	3,149.95	3/4	2,895.81	3/4	2,641.67	3/4	2,387.53	3/4	2,133.39	3/4	1,879.25		
6		6		6		6	3,398.80	6	3,144.66	6	2,890.52	6	2,636.37	6	2,382.23	6	2,128.09	6	1,873.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,393.50	1/4	3,139.36	1/4	2,885.22	1/4	2,631.08	1/4	2,376.94	1/4	2,122.80	1/4	1,868.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,388.21	1/2	3,134.07	1/2	2,879.93	1/2	2,625.79	1/2	2,371.64	1/2	2,117.50	1/2	1,863.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,382.91	3/4	3,128.77	3/4	2,874.63	3/4	2,620.49	3/4	2,366.35	3/4	2,112.21	3/4	1,858.07		
7		7		7	3,600.00	7	3,377.62	7	3,123.48	7	2,869.34	7	2,615.20	7	2,361.06	7	2,106.91	7	1,852.77		
1/4	1/4	1/4	1/4	1/4	3,599.78	1/4	3,372.32	1/4	3,118.18	1/4	2,864.04	1/4	2,609.90	1/4	2,355.76	1/4	2,101.62	1/4	1,847.48		
1/2	1/2	1/2	1/2	1/2	3,598.46	1/2	3,367.03	1/2	3,112.89	1/2	2,858.75	1/2	2,604.61	1/2	2,350.47	1/2	2,096.33	1/2	1,842.18		
3/4	3/4	3/4	3/4	3/4	3,597.14	3/4	3,361.73	3/4	3,107.59	3/4	2,853.45	3/4	2,599.31	3/4	2,345.17	3/4	2,091.03	3/4	1,836.89		
8		8		8	3,595.81	8	3,356.44	8	3,102.30	8	2,848.16	8	2,594.02	8	2,339.88	8	2,085.74	8	1,831.60		
1/4	1/4	1/4	1/4	1/4	3,594.49	1/4	3,351.15	1/4	3,097.00	1/4	2,842.86	1/4	2,588.72	1/4	2,334.58	1/4	2,080.44	1/4	1,826.30		
1/2	1/2	1/2	1/2	1/2	3,591.40	1/2	3,345.85	1/2	3,091.71	1/2	2,837.57	1/2	2,583.43	1/2	2,329.29	1/2	2,075.15	1/2	1,821.01		
3/4	3/4	3/4	3/4	3/4	3,588.31	3/4	3,340.56	3/4	3,086.42	3/4	2,832.27	3/4	2,578.13	3/4	2,323.99	3/4	2,069.85	3/4	1,815.71		
9		9		9	3,585.22	9	3,335.26	9	3,081.12	9	2,826.98	9	2,572.84	9	2,318.70	9	2,064.56	9	1,810.42		
1/4	1/4	1/4	1/4	1/4	3,582.13	1/4	3,329.97	1/4	3,075.83	1/4	2,821.69	1/4	2,567.54	1/4	2,313.40	1/4	2,059.26	1/4	1,805.12		
1/2	1/2	1/2	1/2	1/2	3,577.33	1/2	3,324.67	1/2	3,070.53	1/2	2,816.39	1/2	2,562.25	1/2	2,308.11	1/2	2,053.97	1/2	1,799.83		
3/4	3/4	3/4	3/4	3/4	3,572.53	3/4	3,319.38	3/4	3,065.24	3/4	2,811.10	3/4	2,556.96	3/4	2,302.81	3/4	2,048.67	3/4	1,794.53		
10		10		10	3,567.73	10	3,314.08	10	3,059.94	10	2,805.80	10	2,551.66	10	2,297.52	10	2,043.38	10	1,789.24		
1/4	1/4	1/4	1/4	1/4	3,562.93	1/4	3,308.79	1/4	3,054.65	1/4	2,800.51	1/4	2,546.37	1/4	2,292.23	1/4	2,038.08	1/4	1,783.94		
1/2	1/2	1/2	1/2	1/2	3,557.64	1/2	3,303.49	1/2	3,049.35	1/2	2,795.21	1/2	2,541.07	1/2	2,286.93	1/2	2,032.79	1/2	1,778.65		
3/4	3/4	3/4	3/4	3/4	3,552.34	3/4	3,298.20	3/4	3,044.06	3/4	2,789.92	3/4	2,535.78	3/4	2,281.64	3/4	2,027.50	3/4	1,773.35		
11		11		11	3,547.05	11	3,292.90	11	3,038.76	11	2,784.62	11	2,530.48	11	2,276.34	11	2,022.20	11	1,768.06		
1/4	1/4	1/4	1/4	1/4	3,541.75	1/4	3,287.61	1/4	3,033.47	1/4	2,779.33	1/4	2,525.19	1/4	2,271.05	1/4	2,016.91	1/4	1,762.77		
1/2	1/2	1/2	1/2	1/2	3,536.46	1/2	3,282.32	1/2	3,028.17	1/2	2,774.03	1/2	2,519.89	1/2	2,265.75	1/2	2,011.61	1/2	1,757.47		
3/4	3/4	3/4	3/4	3/4	3,531.16	3/4	3,277.02	3/4	3,022.88	3/4	2,768.74	3/4	2,514.60	3/4	2,260.46	3/4	2,006.32	3/4	1,752.18		

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 24'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 11322"

2 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-00 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,746.88	0	1,492.74	0	1,238.60	0	984.46	0	731.39	0	480.71	0	228.09	0	1.34	0		0	
1/4	1,741.59	1/4	1,487.45	1/4	1,233.31	1/4	979.16	1/4	726.17	1/4	475.48	1/4	222.80	1/4	0.46	1/4		1/4	
1/2	1,736.29	1/2	1,482.15	1/2	1,228.01	1/2	973.87	1/2	720.94	1/2	470.26	1/2	217.50	1/2		1/2		1/2	
3/4	1,731.00	3/4	1,476.86	3/4	1,222.72	3/4	968.58	3/4	715.72	3/4	465.04	3/4	212.21	3/4		3/4		3/4	
1	1,725.70	1	1,471.56	1	1,217.42	1	963.28	1	710.50	1	459.81	1	206.92	1		1		1	
1/4	1,720.41	1/4	1,466.27	1/4	1,212.13	1/4	957.99	1/4	705.28	1/4	454.59	1/4	201.62	1/4		1/4		1/4	
1/2	1,715.11	1/2	1,460.97	1/2	1,206.83	1/2	952.69	1/2	700.05	1/2	449.37	1/2	196.33	1/2		1/2		1/2	
3/4	1,709.82	3/4	1,455.68	3/4	1,201.54	3/4	947.40	3/4	694.83	3/4	444.15	3/4	191.03	3/4		3/4		3/4	
2	1,704.52	2	1,450.38	2	1,196.24	2	942.10	2	689.61	2	438.92	2	185.74	2		2		2	
1/4	1,699.23	1/4	1,445.09	1/4	1,190.95	1/4	936.81	1/4	684.39	1/4	433.70	1/4	180.45	1/4		1/4		1/4	
1/2	1,693.94	1/2	1,439.79	1/2	1,185.65	1/2	931.51	1/2	679.16	1/2	428.48	1/2	175.15	1/2		1/2		1/2	
3/4	1,688.64	3/4	1,434.50	3/4	1,180.36	3/4	926.22	3/4	673.94	3/4	423.25	3/4	169.86	3/4		3/4		3/4	
3	1,683.35	3	1,429.21	3	1,175.06	3	920.92	3	668.72	3	418.03	3	164.56	3		3		3	
1/4	1,678.05	1/4	1,423.91	1/4	1,169.77	1/4	915.63	1/4	663.50	1/4	412.81	1/4	159.27	1/4		1/4		1/4	
1/2	1,672.76	1/2	1,418.62	1/2	1,164.48	1/2	910.33	1/2	658.27	1/2	407.59	1/2	153.98	1/2		1/2		1/2	
3/4	1,667.46	3/4	1,413.32	3/4	1,159.18	3/4	905.04	3/4	653.05	3/4	402.36	3/4	148.68	3/4		3/4		3/4	
4	1,662.17	4	1,408.03	4	1,153.89	4	899.75	4	647.83	4	397.14	4	143.39	4		4		4	
1/4	1,656.87	1/4	1,402.73	1/4	1,148.59	1/4	894.45	1/4	642.61	1/4	391.92	1/4	138.10	1/4		1/4		1/4	
1/2	1,651.58	1/2	1,397.44	1/2	1,143.30	1/2	889.16	1/2	637.39	1/2	386.70	1/2	132.80	1/2		1/2		1/2	
3/4	1,646.28	3/4	1,392.14	3/4	1,138.00	3/4	883.86	3/4	632.16	3/4	381.47	3/4	127.51	3/4		3/4		3/4	
5	1,640.99	5	1,386.85	5	1,132.71	5	878.57	5	626.94	5	376.25	5	122.21	5		5		5	
1/4	1,635.70	1/4	1,381.55	1/4	1,127.41	1/4	873.27	1/4	621.72	1/4	371.03	1/4	116.92	1/4		1/4		1/4	
1/2	1,630.40	1/2	1,376.26	1/2	1,122.12	1/2	867.98	1/2	616.50	1/2	365.73	1/2	111.63	1/2		1/2		1/2	
3/4	1,625.11	3/4	1,370.97	3/4	1,116.82	3/4	862.68	3/4	611.27	3/4	360.44	3/4	106.33	3/4		3/4		3/4	
6	1,619.81	6	1,365.67	6	1,111.53	6	857.39	6	606.05	6	355.15	6	101.04	6		6		6	
1/4	1,614.52	1/4	1,360.38	1/4	1,106.24	1/4	852.09	1/4	600.83	1/4	349.85	1/4	95.74	1/4		1/4		1/4	
1/2	1,609.22	1/2	1,355.08	1/2	1,100.94	1/2	846.80	1/2	595.61	1/2	344.56	1/2	90.45	1/2		1/2		1/2	
3/4	1,603.93	3/4	1,349.79	3/4	1,095.65	3/4	841.51	3/4	590.38	3/4	339.26	3/4	85.16	3/4		3/4		3/4	
7	1,598.63	7	1,344.49	7	1,090.35	7	836.21	7	585.16	7	333.97	7	79.86	7		7		7	
1/4	1,593.34	1/4	1,339.20	1/4	1,085.06	1/4	830.92	1/4	579.94	1/4	328.68	1/4	74.57	1/4		1/4		1/4	
1/2	1,588.04	1/2	1,333.90	1/2	1,079.76	1/2	825.62	1/2	574.72	1/2	323.38	1/2	69.27	1/2		1/2		1/2	
3/4	1,582.75	3/4	1,328.61	3/4	1,074.47	3/4	820.33	3/4	569.49	3/4	318.09	3/4	63.98	3/4		3/4		3/4	
8	1,577.45	8	1,323.31	8	1,069.17	8	815.03	8	564.27	8	312.79	8	58.69	8		8		8	
1/4	1,572.16	1/4	1,318.02	1/4	1,063.88	1/4	809.74	1/4	559.05	1/4	307.50	1/4	53.39	1/4		1/4		1/4	
1/2	1,566.87	1/2	1,312.72	1/2	1,058.58	1/2	804.51	1/2	553.82	1/2	302.21	1/2	48.10	1/2		1/2		1/2	
3/4	1,561.57	3/4	1,307.43	3/4	1,053.29	3/4	799.29	3/4	548.60	3/4	296.91	3/4	42.80	3/4		3/4		3/4	
9	1,556.28	9	1,302.14	9	1,047.99	9	794.07	9	543.38	9	291.62	9	37.51	9		9		9	
1/4	1,550.98	1/4	1,296.84	1/4	1,042.70	1/4	788.84	1/4	538.16	1/4	286.32	1/4	32.22	1/4		1/4		1/4	
1/2	1,545.69	1/2	1,291.55	1/2	1,037.41	1/2	783.62	1/2	532.93	1/2	281.03	1/2	27.81	1/2		1/2		1/2	
3/4	1,540.39	3/4	1,286.25	3/4	1,032.11	3/4	778.40	3/4	527.71	3/4	275.74	3/4	23.39	3/4		3/4		3/4	
10	1,535.10	10	1,280.96	10	1,026.82	10	773.17	10	522.49	10	270.44	10	18.98	10		10		10	
1/4	1,529.80	1/4	1,275.66	1/4	1,021.52	1/4	767.95	1/4	517.27	1/4	265.15	1/4	14.57	1/4		1/4		1/4	
1/2	1,524.51	1/2	1,270.37	1/2	1,016.23	1/2	762.73	1/2	512.04	1/2	259.85	1/2	11.92	1/2		1/2		1/2	
3/4	1,519.21	3/4	1,265.07	3/4	1,010.93	3/4	757.50	3/4	506.82	3/4	254.56	3/4	9.28	3/4		3/4		3/4	
11	1,513.92	11	1,259.78	11	1,005.64	11	752.28	11	501.60	11	249.27	11	6.63	11		11		11	
1/4	1,508.62	1/4	1,254.48	1/4	1,000.34	1/4	747.06	1/4	496.37	1/4	243.97	1/4	3.99	1/4		1/4		1/4	
1/2	1,503.33	1/2	1,249.19	1/2	995.05	1/2	741.83	1/2	491.15	1/2	238.68	1/2	3.10	1/2		1/2		1/2	
3/4	1,498.04	3/4	1,243.89	3/4	989.75	3/4	736.61	3/4	485.93	3/4	233.39	3/4	2.22	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/05/2007 CL - SW
CALCULATED: 04/06/2007 CL
PRINTED: 04/06/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 11322"

3 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 16'-11 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,755.79	0	3,484.65	0	3,213.52	0	2,942.39	0	2,671.26	0	2,400.12	0	2,128.99
1/4		1/4		1/4		1/4	3,750.14	1/4	3,479.01	1/4	3,207.87	1/4	2,936.74	1/4	2,665.61	1/4	2,394.47	1/4	2,123.34
1/2		1/2		1/2		1/2	3,744.49	1/2	3,473.36	1/2	3,202.22	1/2	2,931.09	1/2	2,659.96	1/2	2,388.83	1/2	2,117.69
3/4		3/4		3/4		3/4	3,738.84	3/4	3,467.71	3/4	3,196.58	3/4	2,925.44	3/4	2,654.31	3/4	2,383.18	3/4	2,112.04
1		1		1		1	3,733.19	1	3,462.06	1	3,190.93	1	2,919.79	1	2,648.66	1	2,377.53	1	2,106.40
1/4		1/4		1/4		1/4	3,727.54	1/4	3,456.41	1/4	3,185.28	1/4	2,914.15	1/4	2,643.01	1/4	2,371.88	1/4	2,100.75
1/2		1/2		1/2		1/2	3,721.90	1/2	3,450.76	1/2	3,179.63	1/2	2,908.50	1/2	2,637.36	1/2	2,366.23	1/2	2,095.10
3/4		3/4		3/4		3/4	3,716.25	3/4	3,445.11	3/4	3,173.98	3/4	2,902.85	3/4	2,631.72	3/4	2,360.58	3/4	2,089.45
2		2		2		2	3,710.60	2	3,439.47	2	3,168.33	2	2,897.20	2	2,626.07	2	2,354.93	2	2,083.80
1/4		1/4		1/4		1/4	3,704.95	1/4	3,433.82	1/4	3,162.68	1/4	2,891.55	1/4	2,620.42	1/4	2,349.29	1/4	2,078.15
1/2		1/2		1/2		1/2	3,699.30	1/2	3,428.17	1/2	3,157.04	1/2	2,885.90	1/2	2,614.77	1/2	2,343.64	1/2	2,072.50
3/4		3/4		3/4		3/4	3,693.65	3/4	3,422.52	3/4	3,151.39	3/4	2,880.25	3/4	2,609.12	3/4	2,337.99	3/4	2,066.86
3		3		3		3	3,688.00	3	3,416.87	3	3,145.74	3	2,874.61	3	2,603.47	3	2,332.34	3	2,061.21
1/4		1/4		1/4		1/4	3,682.36	1/4	3,411.22	1/4	3,140.09	1/4	2,868.96	1/4	2,597.82	1/4	2,326.69	1/4	2,055.56
1/2		1/2		1/2		1/2	3,676.71	1/2	3,405.57	1/2	3,134.44	1/2	2,863.31	1/2	2,592.18	1/2	2,321.04	1/2	2,049.91
3/4		3/4		3/4		3/4	3,671.06	3/4	3,399.93	3/4	3,128.79	3/4	2,857.66	3/4	2,586.53	3/4	2,315.39	3/4	2,044.26
4		4		4		4	3,665.41	4	3,394.28	4	3,123.14	4	2,852.01	4	2,580.88	4	2,309.75	4	2,038.61
1/4		1/4		1/4		1/4	3,659.76	1/4	3,388.63	1/4	3,117.50	1/4	2,846.36	1/4	2,575.23	1/4	2,304.10	1/4	2,032.96
1/2		1/2		1/2		1/2	3,654.11	1/2	3,382.98	1/2	3,111.85	1/2	2,840.71	1/2	2,569.58	1/2	2,298.45	1/2	2,027.32
3/4		3/4		3/4		3/4	3,648.46	3/4	3,377.33	3/4	3,106.20	3/4	2,835.07	3/4	2,563.93	3/4	2,292.80	3/4	2,021.67
5		5		5		5	3,642.82	5	3,371.68	5	3,100.55	5	2,829.42	5	2,558.28	5	2,287.15	5	2,016.02
1/4		1/4		1/4		1/4	3,637.17	1/4	3,366.03	1/4	3,094.90	1/4	2,823.77	1/4	2,552.64	1/4	2,281.50	1/4	2,010.37
1/2		1/2		1/2		1/2	3,631.52	1/2	3,360.39	1/2	3,089.25	1/2	2,818.12	1/2	2,546.99	1/2	2,275.85	1/2	2,004.72
3/4		3/4		3/4		3/4	3,625.87	3/4	3,354.74	3/4	3,083.60	3/4	2,812.47	3/4	2,541.34	3/4	2,270.21	3/4	1,999.07
6		6		6		6	3,620.22	6	3,349.09	6	3,077.96	6	2,806.82	6	2,535.69	6	2,264.56	6	1,993.42
1/4		1/4		1/4		1/4	3,614.57	1/4	3,343.44	1/4	3,072.31	1/4	2,801.17	1/4	2,530.04	1/4	2,258.91	1/4	1,987.78
1/2		1/2		1/2		1/2	3,846.15	1/2	3,608.92	1/2	3,337.79	1/2	3,066.66	1/2	2,795.53	1/2	2,524.39	1/2	2,253.26
3/4		3/4		3/4		3/4	3,845.91	3/4	3,603.27	3/4	3,332.14	3/4	3,061.01	3/4	2,789.88	3/4	2,518.74	3/4	2,247.61
7		7		7		7	3,844.50	7	3,597.63	7	3,326.49	7	3,055.36	7	2,784.23	7	2,513.10	7	2,241.96
1/4		1/4		1/4		1/4	3,843.09	1/4	3,591.98	1/4	3,320.84	1/4	3,049.71	1/4	2,778.58	1/4	2,507.45	1/4	2,236.31
1/2		1/2		1/2		1/2	3,841.67	1/2	3,586.33	1/2	3,315.20	1/2	3,044.06	1/2	2,772.93	1/2	2,501.80	1/2	2,230.67
3/4		3/4		3/4		3/4	3,840.26	3/4	3,580.68	3/4	3,309.55	3/4	3,038.41	3/4	2,767.28	3/4	2,496.15	3/4	2,225.02
8		8		8		8	3,836.97	8	3,575.03	8	3,303.90	8	3,032.77	8	2,761.63	8	2,490.50	8	2,219.37
1/4		1/4		1/4		1/4	3,833.67	1/4	3,569.38	1/4	3,298.25	1/4	3,027.12	1/4	2,755.98	1/4	2,484.85	1/4	2,213.72
1/2		1/2		1/2		1/2	3,830.38	1/2	3,563.73	1/2	3,292.60	1/2	3,021.47	1/2	2,750.34	1/2	2,479.20	1/2	2,208.07
3/4		3/4		3/4		3/4	3,827.08	3/4	3,558.09	3/4	3,286.95	3/4	3,015.82	3/4	2,744.69	3/4	2,473.55	3/4	2,202.42
9		9		9		9	3,821.97	9	3,552.44	9	3,281.30	9	3,010.17	9	2,739.04	9	2,467.91	9	2,196.77
1/4		1/4		1/4		1/4	3,816.85	1/4	3,546.79	1/4	3,275.66	1/4	3,004.52	1/4	2,733.39	1/4	2,462.26	1/4	2,191.12
1/2		1/2		1/2		1/2	3,811.74	1/2	3,541.14	1/2	3,270.01	1/2	2,998.87	1/2	2,727.74	1/2	2,456.61	1/2	2,185.48
3/4		3/4		3/4		3/4	3,806.62	3/4	3,535.49	3/4	3,264.36	3/4	2,993.23	3/4	2,722.09	3/4	2,450.96	3/4	2,179.83
10		10		10		10	3,800.98	10	3,529.84	10	3,258.71	10	2,987.58	10	2,716.44	10	2,445.31	10	2,174.18
1/4		1/4		1/4		1/4	3,795.33	1/4	3,524.19	1/4	3,253.06	1/4	2,981.93	1/4	2,710.80	1/4	2,439.66	1/4	2,168.53
1/2		1/2		1/2		1/2	3,789.68	1/2	3,518.55	1/2	3,247.41	1/2	2,976.28	1/2	2,705.15	1/2	2,434.01	1/2	2,162.88
3/4		3/4		3/4		3/4	3,784.03	3/4	3,512.90	3/4	3,241.76	3/4	2,970.63	3/4	2,699.50	3/4	2,428.37	3/4	2,157.23
11		11		11		11	3,778.38	11	3,507.25	11	3,236.12	11	2,964.98	11	2,693.85	11	2,422.72	11	2,151.58
1/4		1/4		1/4		1/4	3,772.73	1/4	3,501.60	1/4	3,230.47	1/4	2,959.33	1/4	2,688.20	1/4	2,417.07	1/4	2,145.94
1/2		1/2		1/2		1/2	3,767.08	1/2	3,495.95	1/2	3,224.82	1/2	2,953.69	1/2	2,682.55	1/2	2,411.42	1/2	2,140.29
3/4		3/4		3/4		3/4	3,761.44	3/4	3,490.30	3/4	3,219.17	3/4	2,948.04	3/4	2,676.90	3/4	2,405.77	3/4	2,134.64

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'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 11322"

3 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 16'-11 3/4"

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	1,857.86	0	1,586.72	0	1,315.59	0	1,044.46	0	773.71	0	503.14	0	232.03	0		0		0	
1/4	1,852.21	1/4	1,581.08	1/4	1,309.94	1/4	1,038.81	1/4	768.09	1/4	497.49	1/4	226.38	1/4		1/4		1/4	
1/2	1,846.56	1/2	1,575.43	1/2	1,304.29	1/2	1,033.16	1/2	762.46	1/2	491.84	1/2	220.73	1/2		1/2		1/2	
3/4	1,840.91	3/4	1,569.78	3/4	1,298.65	3/4	1,027.51	3/4	756.84	3/4	486.19	3/4	215.08	3/4		3/4		3/4	
1	1,835.26	1	1,564.13	1	1,293.00	1	1,021.86	1	751.21	1	480.54	1	209.44	1		1		1	
1/4	1,829.61	1/4	1,558.48	1/4	1,287.35	1/4	1,016.22	1/4	745.59	1/4	474.90	1/4	203.79	1/4		1/4		1/4	
1/2	1,823.97	1/2	1,552.83	1/2	1,281.70	1/2	1,010.57	1/2	739.96	1/2	469.25	1/2	198.14	1/2		1/2		1/2	
3/4	1,818.32	3/4	1,547.18	3/4	1,276.05	3/4	1,004.92	3/4	734.34	3/4	463.60	3/4	192.49	3/4		3/4		3/4	
2	1,812.67	2	1,541.54	2	1,270.40	2	999.27	2	728.71	2	457.95	2	186.84	2		2		2	
1/4	1,807.02	1/4	1,535.89	1/4	1,264.75	1/4	993.62	1/4	723.09	1/4	452.30	1/4	181.20	1/4		1/4		1/4	
1/2	1,801.37	1/2	1,530.24	1/2	1,259.11	1/2	987.97	1/2	717.46	1/2	446.66	1/2	175.55	1/2		1/2		1/2	
3/4	1,795.72	3/4	1,524.59	3/4	1,253.46	3/4	982.32	3/4	711.84	3/4	441.01	3/4	169.90	3/4		3/4		3/4	
3	1,790.07	3	1,518.94	3	1,247.81	3	976.68	3	706.21	3	435.36	3	164.25	3		3		3	
1/4	1,784.43	1/4	1,513.29	1/4	1,242.16	1/4	971.03	1/4	700.59	1/4	429.71	1/4	158.60	1/4		1/4		1/4	
1/2	1,778.78	1/2	1,507.64	1/2	1,236.51	1/2	965.38	1/2	694.96	1/2	424.06	1/2	152.95	1/2		1/2		1/2	
3/4	1,773.13	3/4	1,502.00	3/4	1,230.86	3/4	959.73	3/4	689.34	3/4	418.42	3/4	147.31	3/4		3/4		3/4	
4	1,767.48	4	1,496.35	4	1,225.21	4	954.08	4	683.72	4	412.77	4	141.66	4		4		4	
1/4	1,761.83	1/4	1,490.70	1/4	1,219.57	1/4	948.43	1/4	678.09	1/4	407.12	1/4	136.01	1/4		1/4		1/4	
1/2	1,756.18	1/2	1,485.05	1/2	1,213.92	1/2	942.78	1/2	672.47	1/2	401.47	1/2	130.36	1/2		1/2		1/2	
3/4	1,750.53	3/4	1,479.40	3/4	1,208.27	3/4	937.14	3/4	666.84	3/4	395.82	3/4	124.71	3/4		3/4		3/4	
5	1,744.89	5	1,473.75	5	1,202.62	5	931.49	5	661.22	5	390.18	5	119.07	5		5		5	
1/4	1,739.24	1/4	1,468.10	1/4	1,196.97	1/4	925.84	1/4	655.59	1/4	384.53	1/4	113.42	1/4		1/4		1/4	
1/2	1,733.59	1/2	1,462.46	1/2	1,191.32	1/2	920.19	1/2	649.97	1/2	378.88	1/2	107.77	1/2		1/2		1/2	
3/4	1,727.94	3/4	1,456.81	3/4	1,185.67	3/4	914.54	3/4	644.34	3/4	373.23	3/4	102.12	3/4		3/4		3/4	
6	1,722.29	6	1,451.16	6	1,180.03	6	908.89	6	638.69	6	367.58	6	96.47	6		6		6	
1/4	1,716.64	1/4	1,445.51	1/4	1,174.38	1/4	903.24	1/4	633.04	1/4	361.93	1/4	90.83	1/4		1/4		1/4	
1/2	1,710.99	1/2	1,439.86	1/2	1,168.73	1/2	897.60	1/2	627.40	1/2	356.29	1/2	85.18	1/2		1/2		1/2	
3/4	1,705.35	3/4	1,434.21	3/4	1,163.08	3/4	891.95	3/4	621.75	3/4	350.64	3/4	79.53	3/4		3/4		3/4	
7	1,699.70	7	1,428.56	7	1,157.43	7	886.30	7	616.10	7	344.99	7	73.88	7		7		7	
1/4	1,694.05	1/4	1,422.92	1/4	1,151.78	1/4	880.65	1/4	610.45	1/4	339.34	1/4	68.23	1/4		1/4		1/4	
1/2	1,688.40	1/2	1,417.27	1/2	1,146.13	1/2	875.00	1/2	604.80	1/2	333.69	1/2	62.59	1/2		1/2		1/2	
3/4	1,682.75	3/4	1,411.62	3/4	1,140.49	3/4	869.35	3/4	599.15	3/4	328.05	3/4	56.94	3/4		3/4		3/4	
8	1,677.10	8	1,405.97	8	1,134.84	8	863.73	8	593.51	8	322.40	8	51.29	8		8		8	
1/4	1,671.45	1/4	1,400.32	1/4	1,129.19	1/4	858.10	1/4	587.86	1/4	316.75	1/4	45.64	1/4		1/4		1/4	
1/2	1,665.81	1/2	1,394.67	1/2	1,123.54	1/2	852.47	1/2	582.21	1/2	311.10	1/2	39.99	1/2		1/2		1/2	
3/4	1,660.16	3/4	1,389.02	3/4	1,117.89	3/4	846.85	3/4	576.56	3/4	305.45	3/4	34.34	3/4		3/4		3/4	
9	1,654.51	9	1,383.38	9	1,112.24	9	841.22	9	570.91	9	299.81	9	29.64	9		9		9	
1/4	1,648.86	1/4	1,377.73	1/4	1,106.59	1/4	835.60	1/4	565.27	1/4	294.16	1/4	24.93	1/4		1/4		1/4	
1/2	1,643.21	1/2	1,372.08	1/2	1,100.95	1/2	829.97	1/2	559.62	1/2	288.51	1/2	20.22	1/2		1/2		1/2	
3/4	1,637.56	3/4	1,366.43	3/4	1,095.30	3/4	824.34	3/4	553.97	3/4	282.86	3/4	15.52	3/4		3/4		3/4	
10	1,631.91	10	1,360.78	10	1,089.65	10	818.72	10	548.32	10	277.21	10	12.69	10		10		10	
1/4	1,626.26	1/4	1,355.13	1/4	1,084.00	1/4	813.09	1/4	542.67	1/4	271.57	1/4	9.87	1/4		1/4		1/4	
1/2	1,620.62	1/2	1,349.48	1/2	1,078.35	1/2	807.46	1/2	537.03	1/2	265.92	1/2	7.05	1/2		1/2		1/2	
3/4	1,614.97	3/4	1,343.83	3/4	1,072.70	3/4	801.84	3/4	531.38	3/4	260.27	3/4	4.22	3/4		3/4		3/4	
11	1,609.32	11	1,338.19	11	1,067.05	11	796.21	11	525.73	11	254.62	11	3.28	11		11		11	
1/4	1,603.67	1/4	1,332.54	1/4	1,061.40	1/4	790.59	1/4	520.08	1/4	248.97	1/4	2.34	1/4		1/4		1/4	
1/2	1,598.02	1/2	1,326.89	1/2	1,055.76	1/2	784.96	1/2	514.43	1/2	243.32	1/2	1.40	1/2		1/2		1/2	
3/4	1,592.37	3/4	1,321.24	3/4	1,050.11	3/4	779.34	3/4	508.79	3/4	237.68	3/4	0.46	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/05/2007 CL - SW
CALCULATED: 04/06/2007 CL
PRINTED: 04/06/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2007

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