



# BARGE "KIRBY 10528"

ULLAGE TRIM TABLE

FORMERLY "WBC 28"

	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	- 00-5/8	00-5/8	- 01-1/4	01-1/4	- 01-7/8	01-7/8	- 02-3/8	02-3/8	- 03-0/8	03-0/8	- 03-5/8	03-5/8
2 CENTER	- 00-1/2	00-1/2	- 00-7/8	00-7/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-5/8	02-5/8
3 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2

(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)

LENGTH BETWEEN DRAFT MARKS: 152'-00"

July 31, 2002

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 01-1/4"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER THE TRIM CORRECTED ULLAGE IS 4'-01 1/4"



# BARGE "KIRBY 10528"

## 1 CENTER ULLAGE TABLE

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

FORMERLY "WBC 28"

GAUGE HEIGHT 17'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
0	0	0	0	0	0	3,402.26	0	3,209.43	0	2,988.62	0	2,767.81	0	2,547.00	0	2,326.19	0	2,073.48		
1/4	1/4	1/4	1/4	1/4	1/4	3,400.54	1/4	3,204.83	1/4	2,984.02	1/4	2,763.21	1/4	2,542.40	1/4	2,320.93	1/4	2,068.21		
1/2	1/2	1/2	1/2	1/2	1/2	3,398.81	1/2	3,200.23	1/2	2,979.42	1/2	2,758.61	1/2	2,537.80	1/2	2,315.67	1/2	2,062.94		
3/4	3/4	3/4	3/4	3/4	3/4	3,397.09	3/4	3,195.63	3/4	2,974.82	3/4	2,754.01	3/4	2,533.20	3/4	2,310.41	3/4	2,057.67		
1	1	1	1	1	1	3,395.36	1	3,191.03	1	2,970.22	1	2,749.41	1	2,528.60	1	2,305.14	1	2,052.41		
1/4	1/4	1/4	1/4	1/4	1/4	3,392.86	1/4	3,186.42	1/4	2,965.61	1/4	2,744.81	1/4	2,524.00	1/4	2,299.88	1/4	2,047.14		
1/2	1/2	1/2	1/2	1/2	1/2	3,390.37	1/2	3,181.82	1/2	2,961.01	1/2	2,740.20	1/2	2,519.41	1/2	2,294.61	1/2	2,041.88		
3/4	3/4	3/4	3/4	3/4	3/4	3,387.88	3/4	3,177.22	3/4	2,956.41	3/4	2,735.60	3/4	2,514.81	3/4	2,289.34	3/4	2,036.62		
2	2	2	2	2	2	3,385.38	2	3,172.62	2	2,951.81	2	2,731.00	2	2,510.22	2	2,284.07	2	2,031.36		
1/4	1/4	1/4	1/4	1/4	1/4	3,382.13	1/4	3,168.03	1/4	2,947.22	1/4	2,726.41	1/4	2,505.61	1/4	2,278.81	1/4	2,026.09		
1/2	1/2	1/2	1/2	1/2	1/2	3,378.87	1/2	3,163.43	1/2	2,942.62	1/2	2,721.81	1/2	2,501.01	1/2	2,273.55	1/2	2,020.82		
3/4	3/4	3/4	3/4	3/4	3/4	3,375.61	3/4	3,158.84	3/4	2,938.03	3/4	2,717.22	3/4	2,496.41	3/4	2,268.29	3/4	2,015.56		
3	3	3	3	3	3	3,372.36	3	3,154.24	3	2,933.43	3	2,712.62	3	2,491.81	3	2,263.03	3	2,010.29		
1/4	1/4	1/4	1/4	1/4	1/4	3,368.34	1/4	3,149.64	1/4	2,928.83	1/4	2,708.02	1/4	2,487.21	1/4	2,257.76	1/4	2,005.02		
1/2	1/2	1/2	1/2	1/2	1/2	3,364.31	1/2	3,145.04	1/2	2,924.23	1/2	2,703.42	1/2	2,482.61	1/2	2,252.49	1/2	1,999.75		
3/4	3/4	3/4	3/4	3/4	3/4	3,360.29	3/4	3,140.44	3/4	2,919.63	3/4	2,698.82	3/4	2,478.01	3/4	2,247.22	3/4	1,994.48		
4	4	4	4	4	4	3,356.26	4	3,135.84	4	2,915.03	4	2,694.22	4	2,473.41	4	2,241.95	4	1,989.22		
1/4	1/4	1/4	1/4	1/4	1/4	3,351.76	1/4	3,131.23	1/4	2,910.42	1/4	2,689.61	1/4	2,468.81	1/4	2,236.69	1/4	1,983.95		
1/2	1/2	1/2	1/2	1/2	1/2	3,347.25	1/2	3,126.63	1/2	2,905.82	1/2	2,685.01	1/2	2,464.20	1/2	2,231.43	1/2	1,978.69		
3/4	3/4	3/4	3/4	3/4	3/4	3,342.75	3/4	3,122.03	3/4	2,901.22	3/4	2,680.41	3/4	2,459.60	3/4	2,226.17	3/4	1,973.43		
5	5	5	5	5	5	3,338.24	5	3,117.43	5	2,896.62	5	2,675.81	5	2,455.00	5	2,220.91	5	1,968.17		
1/4	1/4	1/4	1/4	1/4	1/4	3,333.64	1/4	3,112.83	1/4	2,892.02	1/4	2,671.21	1/4	2,450.40	1/4	2,215.64	1/4	1,962.90		
1/2	1/2	1/2	1/2	1/2	1/2	3,329.04	1/2	3,108.23	1/2	2,887.42	1/2	2,666.61	1/2	2,445.80	1/2	2,210.37	1/2	1,957.63		
3/4	3/4	3/4	3/4	3/4	3/4	3,324.44	3/4	3,103.63	3/4	2,882.82	3/4	2,662.01	3/4	2,441.20	3/4	2,205.10	3/4	1,952.36		
6	6	6	6	6	6	3,319.84	6	3,099.03	6	2,878.22	6	2,657.41	6	2,436.60	6	2,199.83	6	1,947.10		
1/4	1/4	1/4	1/4	1/4	1/4	3,315.23	1/4	3,094.42	1/4	2,873.61	1/4	2,652.81	1/4	2,432.00	1/4	2,194.57	1/4	1,941.84		
1/2	1/2	1/2	1/2	1/2	1/2	3,310.63	1/2	3,089.82	1/2	2,869.01	1/2	2,648.20	1/2	2,427.39	1/2	2,189.30	1/2	1,936.57		
3/4	3/4	3/4	3/4	3/4	3/4	3,306.03	3/4	3,085.22	3/4	2,864.41	3/4	2,643.60	3/4	2,422.79	3/4	2,184.03	3/4	1,931.31		
7	7	7	7	7	7	3,301.43	7	3,080.62	7	2,859.81	7	2,639.00	7	2,418.19	7	2,178.76	7	1,926.05		
1/4	1/4	1/4	1/4	1/4	1/4	3,296.83	1/4	3,076.02	1/4	2,855.21	1/4	2,634.41	1/4	2,413.60	1/4	2,173.50	1/4	1,920.78		
1/2	1/2	1/2	1/2	1/2	1/2	3,292.23	1/2	3,071.42	1/2	2,850.61	1/2	2,629.81	1/2	2,409.00	1/2	2,168.24	1/2	1,915.51		
3/4	3/4	3/4	3/4	3/4	3/4	3,287.63	3/4	3,066.82	3/4	2,846.01	3/4	2,625.22	3/4	2,404.41	3/4	2,162.98	3/4	1,910.25		
8	8	8	8	8	8	3,283.03	8	3,062.22	8	2,841.41	8	2,620.62	8	2,399.81	8	2,157.72	8	1,904.98		
1/4	1/4	1/4	1/4	1/4	1/4	3,278.42	1/4	3,057.62	1/4	2,836.81	1/4	2,616.02	1/4	2,395.21	1/4	2,152.45	1/4	1,899.72		
1/2	1/2	1/2	1/2	1/2	1/2	3,273.82	1/2	3,053.03	1/2	2,832.22	1/2	2,611.42	1/2	2,390.61	1/2	2,147.18	1/2	1,894.45		
3/4	3/4	3/4	3/4	3/4	3/4	3,269.22	3/4	3,048.43	3/4	2,827.62	3/4	2,606.82	3/4	2,386.01	3/4	2,141.91	3/4	1,889.19		
9	9	9	9	9	9	3,264.62	9	3,043.84	9	2,823.03	9	2,602.22	9	2,381.41	9	2,136.64	9	1,883.93		
1/4	1/4	1/4	1/4	1/4	1/4	3,260.03	1/4	3,039.23	1/4	2,818.42	1/4	2,597.61	1/4	2,376.81	1/4	2,131.38	1/4	1,878.66		
1/2	1/2	1/2	1/2	1/2	1/2	3,255.43	1/2	3,034.63	1/2	2,813.82	1/2	2,593.01	1/2	2,372.20	1/2	2,126.12	1/2	1,873.39		
3/4	3/4	3/4	3/4	3/4	3/4	3,250.84	3/4	3,030.03	3/4	2,809.22	3/4	2,588.41	3/4	2,367.60	3/4	2,120.86	3/4	1,868.13		
10	10	10	10	10	10	3,246.24	10	3,025.43	10	2,804.62	10	2,583.81	10	2,363.00	10	2,115.60	10	1,862.86		
1/4	1/4	1/4	1/4	1/4	1/4	3,407.24	1/4	3,241.64	1/4	3,020.83	1/4	2,800.02	1/4	2,579.21	1/4	2,358.40	1/4	2,110.33	1/4	1,857.60
1/2	1/2	1/2	1/2	1/2	1/2	3,406.86	1/2	3,237.04	1/2	3,016.23	1/2	2,795.42	1/2	2,574.61	1/2	2,353.80	1/2	2,105.06	1/2	1,852.34
3/4	3/4	3/4	3/4	3/4	3/4	3,406.48	3/4	3,232.44	3/4	3,011.63	3/4	2,790.82	3/4	2,570.01	3/4	2,349.20	3/4	2,099.79	3/4	1,847.07
11	11	11	11	11	11	3,406.10	11	3,227.84	11	3,007.03	11	2,786.22	11	2,565.41	11	2,344.60	11	2,094.53	11	1,841.81
1/4	1/4	1/4	1/4	1/4	1/4	3,405.14	1/4	3,223.23	1/4	3,002.42	1/4	2,781.61	1/4	2,560.81	1/4	2,340.00	1/4	2,089.26	1/4	1,836.54
1/2	1/2	1/2	1/2	1/2	1/2	3,404.18	1/2	3,218.63	1/2	2,997.82	1/2	2,777.01	1/2	2,556.20	1/2	2,335.39	1/2	2,084.00	1/2	1,831.28
3/4	3/4	3/4	3/4	3/4	3/4	3,403.22	3/4	3,214.03	3/4	2,993.22	3/4	2,772.41	3/4	2,551.60	3/4	2,330.79	3/4	2,078.74	3/4	1,826.01

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 18'-10" 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 10528"

## 1 CENTER ULLAGE TABLE

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

FORMERLY "WBC 28"

GAUGE HEIGHT 17'-04"

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	1,820.74	0	1,568.03	0	1,315.29	0	1,062.55	0	809.83	0	557.10	0	304.38	0	52.48	0		0	
1/4	1,815.48	1/4	1,562.76	1/4	1,310.02	1/4	1,057.29	1/4	804.57	1/4	551.84	1/4	299.12	1/4	47.26	1/4		1/4	
1/2	1,810.22	1/2	1,557.49	1/2	1,304.75	1/2	1,052.03	1/2	799.30	1/2	546.57	1/2	293.85	1/2	42.04	1/2		1/2	
3/4	1,804.95	3/4	1,552.22	3/4	1,299.48	3/4	1,046.76	3/4	794.03	3/4	541.31	3/4	288.58	3/4	36.82	3/4		3/4	
1	1,799.69	1	1,546.95	1	1,294.22	1	1,041.50	1	788.76	1	536.05	1	283.31	1	31.60	1		1	
1/4	1,794.42	1/4	1,541.69	1/4	1,288.95	1/4	1,036.23	1/4	783.50	1/4	530.78	1/4	278.04	1/4	27.21	1/4		1/4	
1/2	1,789.16	1/2	1,536.42	1/2	1,283.69	1/2	1,030.97	1/2	778.24	1/2	525.51	1/2	272.78	1/2	22.82	1/2		1/2	
3/4	1,783.89	3/4	1,531.15	3/4	1,278.43	3/4	1,025.70	3/4	772.98	3/4	520.25	3/4	267.51	3/4	18.44	3/4		3/4	
2	1,778.62	2	1,525.88	2	1,273.17	2	1,020.43	2	767.72	2	514.98	2	262.24	2	14.05	2		2	
1/4	1,773.35	1/4	1,520.62	1/4	1,267.90	1/4	1,015.17	1/4	762.45	1/4	509.72	1/4	256.98	1/4	11.41	1/4		1/4	
1/2	1,768.09	1/2	1,515.36	1/2	1,262.63	1/2	1,009.91	1/2	757.18	1/2	504.45	1/2	251.72	1/2	8.78	1/2		1/2	
3/4	1,762.82	3/4	1,510.10	3/4	1,257.36	3/4	1,004.64	3/4	751.91	3/4	499.19	3/4	246.45	3/4	6.14	3/4		3/4	
3	1,757.55	3	1,504.83	3	1,252.10	3	999.38	3	746.64	3	493.93	3	241.19	3	3.50	3		3	
1/4	1,752.29	1/4	1,499.57	1/4	1,246.84	1/4	994.11	1/4	741.38	1/4	488.66	1/4	235.92	1/4	2.63	1/4		1/4	
1/2	1,747.03	1/2	1,494.30	1/2	1,241.57	1/2	988.85	1/2	736.12	1/2	483.39	1/2	230.66	1/2	1.75	1/2		1/2	
3/4	1,741.76	3/4	1,489.03	3/4	1,236.31	3/4	983.58	3/4	730.86	3/4	478.13	3/4	225.39	3/4	0.88	3/4		3/4	
4	1,736.50	4	1,483.76	4	1,231.05	4	978.31	4	725.60	4	472.86	4	220.12	4	0.00	4		4	
1/4	1,731.23	1/4	1,478.50	1/4	1,225.78	1/4	973.05	1/4	720.33	1/4	467.59	1/4	214.86	1/4		1/4		1/4	
1/2	1,725.97	1/2	1,473.24	1/2	1,220.51	1/2	967.79	1/2	715.06	1/2	462.32	1/2	209.60	1/2		1/2		1/2	
3/4	1,720.70	3/4	1,467.98	3/4	1,215.25	3/4	962.53	3/4	709.79	3/4	457.06	3/4	204.34	3/4		3/4		3/4	
5	1,715.43	5	1,462.72	5	1,209.98	5	957.26	5	704.53	5	451.79	5	199.07	5		5		5	
1/4	1,710.17	1/4	1,457.45	1/4	1,204.72	1/4	952.00	1/4	699.26	1/4	446.53	1/4	193.81	1/4		1/4		1/4	
1/2	1,704.91	1/2	1,452.18	1/2	1,199.45	1/2	946.73	1/2	693.99	1/2	441.26	1/2	188.54	1/2		1/2		1/2	
3/4	1,699.64	3/4	1,446.91	3/4	1,194.19	3/4	941.46	3/4	688.72	3/4	436.00	3/4	183.27	3/4		3/4		3/4	
6	1,694.38	6	1,441.64	6	1,188.93	6	936.19	6	683.45	6	430.74	6	178.00	6		6		6	
1/4	1,689.11	1/4	1,436.38	1/4	1,183.66	1/4	930.92	1/4	678.19	1/4	425.47	1/4	172.74	1/4		1/4		1/4	
1/2	1,683.85	1/2	1,431.12	1/2	1,178.39	1/2	925.66	1/2	672.93	1/2	420.20	1/2	167.48	1/2		1/2		1/2	
3/4	1,678.58	3/4	1,425.86	3/4	1,173.13	3/4	920.39	3/4	667.67	3/4	414.94	3/4	162.22	3/4		3/4		3/4	
7	1,673.31	7	1,420.60	7	1,167.86	7	915.12	7	662.41	7	409.67	7	156.95	7		7		7	
1/4	1,668.05	1/4	1,415.33	1/4	1,162.60	1/4	909.86	1/4	657.14	1/4	404.41	1/4	151.73	1/4		1/4		1/4	
1/2	1,662.79	1/2	1,410.06	1/2	1,157.33	1/2	904.60	1/2	651.87	1/2	399.14	1/2	146.50	1/2		1/2		1/2	
3/4	1,657.53	3/4	1,404.79	3/4	1,152.07	3/4	899.34	3/4	646.60	3/4	393.88	3/4	141.28	3/4		3/4		3/4	
8	1,652.26	8	1,399.53	8	1,146.81	8	894.07	8	641.33	8	388.62	8	136.05	8		8		8	
1/4	1,647.00	1/4	1,394.26	1/4	1,141.54	1/4	888.81	1/4	636.07	1/4	383.35	1/4	130.83	1/4		1/4		1/4	
1/2	1,641.73	1/2	1,389.00	1/2	1,136.28	1/2	883.54	1/2	630.81	1/2	378.09	1/2	125.61	1/2		1/2		1/2	
3/4	1,636.46	3/4	1,383.74	3/4	1,131.01	3/4	878.27	3/4	625.55	3/4	372.82	3/4	120.39	3/4		3/4		3/4	
9	1,631.19	9	1,378.48	9	1,125.74	9	873.00	9	620.29	9	367.55	9	115.17	9		9		9	
1/4	1,625.93	1/4	1,373.21	1/4	1,120.47	1/4	867.74	1/4	615.02	1/4	362.29	1/4	109.94	1/4		1/4		1/4	
1/2	1,620.67	1/2	1,367.94	1/2	1,115.20	1/2	862.48	1/2	609.75	1/2	357.03	1/2	104.72	1/2		1/2		1/2	
3/4	1,615.41	3/4	1,362.67	3/4	1,109.94	3/4	857.22	3/4	604.48	3/4	351.76	3/4	99.49	3/4		3/4		3/4	
10	1,610.14	10	1,357.41	10	1,104.67	10	851.95	10	599.22	10	346.50	10	94.26	10		10		10	
1/4	1,604.88	1/4	1,352.14	1/4	1,099.41	1/4	846.69	1/4	593.95	1/4	341.23	1/4	89.04	1/4		1/4		1/4	
1/2	1,599.61	1/2	1,346.87	1/2	1,094.14	1/2	841.42	1/2	588.69	1/2	335.97	1/2	83.82	1/2		1/2		1/2	
3/4	1,594.34	3/4	1,341.60	3/4	1,088.88	3/4	836.15	3/4	583.43	3/4	330.70	3/4	78.60	3/4		3/4		3/4	
11	1,589.07	11	1,336.33	11	1,083.62	11	830.88	11	578.17	11	325.43	11	73.38	11		11		11	
1/4	1,583.81	1/4	1,331.07	1/4	1,078.35	1/4	825.62	1/4	572.90	1/4	320.17	1/4	68.16	1/4		1/4		1/4	
1/2	1,578.55	1/2	1,325.81	1/2	1,073.09	1/2	820.36	1/2	567.63	1/2	314.91	1/2	62.93	1/2		1/2		1/2	
3/4	1,573.29	3/4	1,320.55	3/4	1,067.82	3/4	815.10	3/4	562.36	3/4	309.64	3/4	57.70	3/4		3/4		3/4	

STRAPPED: 09/08/1992 SI  
REPRINTED: 07/31/2002 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2002

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "KIRBY 10528"

## 2 CENTER ULLAGE TABLE

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

FORMERLY "WBC 28"

GAUGE HEIGHT 17'-04 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	3,595.37	0	3,376.63	0	3,121.31	0	2,865.98	0	2,610.67	0	2,355.36	0	2,100.03		
1/4	1/4	1/4	1/4	1/4	1/4	3,594.26	1/4	3,371.31	1/4	3,116.00	1/4	2,860.66	1/4	2,605.35	1/4	2,350.04	1/4	2,094.71		
1/2	1/2	1/2	1/2	1/2	1/2	3,592.26	1/2	3,365.98	1/2	3,110.68	1/2	2,855.35	1/2	2,600.03	1/2	2,344.72	1/2	2,089.39		
3/4	3/4	3/4	3/4	3/4	3/4	3,590.27	3/4	3,360.66	3/4	3,105.35	3/4	2,850.03	3/4	2,594.71	3/4	2,339.40	3/4	2,084.08		
1	1	1	1	1	1	3,588.28	1	3,355.34	1	3,100.03	1	2,844.72	1	2,589.39	1	2,334.08	1	2,078.76		
1/4	1/4	1/4	1/4	1/4	1/4	3,588.28	1/4	3,350.02	1/4	3,094.71	1/4	2,839.40	1/4	2,584.07	1/4	2,328.76	1/4	2,073.45		
1/2	1/2	1/2	1/2	1/2	1/2	3,583.40	1/2	3,344.70	1/2	3,089.39	1/2	2,834.08	1/2	2,578.75	1/2	2,323.44	1/2	2,068.13		
3/4	3/4	3/4	3/4	3/4	3/4	3,580.52	3/4	3,339.39	3/4	3,084.07	3/4	2,828.76	3/4	2,573.44	3/4	2,318.12	3/4	2,062.81		
2	2	2	2	2	2	3,577.64	2	3,334.07	2	3,078.75	2	2,823.44	2	2,568.12	2	2,312.79	2	2,057.48		
1/4	1/4	1/4	1/4	1/4	1/4	3,574.76	1/4	3,328.76	1/4	3,073.42	1/4	2,818.11	1/4	2,562.81	1/4	2,307.47	1/4	2,052.16		
1/2	1/2	1/2	1/2	1/2	1/2	3,570.99	1/2	3,323.44	1/2	3,068.11	1/2	2,812.79	1/2	2,557.48	1/2	2,302.16	1/2	2,046.84		
3/4	3/4	3/4	3/4	3/4	3/4	3,567.22	3/4	3,318.12	3/4	3,062.79	3/4	2,807.47	3/4	2,552.16	3/4	2,296.84	3/4	2,041.52		
3	3	3	3	3	3	3,563.45	3	3,312.79	3	3,057.48	3	2,802.15	3	2,546.84	3	2,291.53	3	2,036.20		
1/4	1/4	1/4	1/4	1/4	1/4	3,559.69	1/4	3,307.47	1/4	3,052.16	1/4	2,796.83	1/4	2,541.52	1/4	2,286.21	1/4	2,030.88		
1/2	1/2	1/2	1/2	1/2	1/2	3,555.03	1/2	3,302.16	1/2	3,046.84	1/2	2,791.51	1/2	2,536.20	1/2	2,280.89	1/2	2,025.56		
3/4	3/4	3/4	3/4	3/4	3/4	3,550.38	3/4	3,296.84	3/4	3,041.52	3/4	2,786.20	3/4	2,530.88	3/4	2,275.57	3/4	2,020.25		
4	4	4	4	4	4	3,545.72	4	3,291.53	4	3,036.20	4	2,780.88	4	2,525.56	4	2,270.25	4	2,014.93		
1/4	1/4	1/4	1/4	1/4	1/4	3,541.07	1/4	3,286.21	1/4	3,030.88	1/4	2,775.57	1/4	2,520.23	1/4	2,264.92	1/4	2,009.61		
1/2	1/2	1/2	1/2	1/2	1/2	3,535.86	1/2	3,280.89	1/2	3,025.56	1/2	2,770.25	1/2	2,514.92	1/2	2,259.60	1/2	2,004.29		
3/4	3/4	3/4	3/4	3/4	3/4	3,530.65	3/4	3,275.57	3/4	3,020.25	3/4	2,764.92	3/4	2,509.60	3/4	2,254.28	3/4	1,998.97		
5	5	5	5	5	5	3,525.44	5	3,270.25	5	3,014.93	5	2,759.60	5	2,504.29	5	2,248.96	5	1,993.65		
1/4	1/4	1/4	1/4	1/4	1/4	3,520.23	1/4	3,264.92	1/4	3,009.61	1/4	2,754.28	1/4	2,498.97	1/4	2,243.64	1/4	1,988.33		
1/2	1/2	1/2	1/2	1/2	1/2	3,514.92	1/2	3,259.60	1/2	3,004.29	1/2	2,748.97	1/2	2,493.65	1/2	2,238.32	1/2	1,983.01		
3/4	3/4	3/4	3/4	3/4	3/4	3,509.60	3/4	3,254.28	3/4	2,998.97	3/4	2,743.65	3/4	2,488.33	3/4	2,233.01	3/4	1,977.69		
6	6	6	6	6	6	3,504.29	6	3,248.96	6	2,993.65	6	2,738.34	6	2,483.01	6	2,227.69	6	1,972.37		
1/4	1/4	1/4	1/4	1/4	1/4	3,498.97	1/4	3,243.64	1/4	2,988.33	1/4	2,733.02	1/4	2,477.69	1/4	2,222.38	1/4	1,967.04		
1/2	1/2	1/2	1/2	1/2	1/2	3,493.65	1/2	3,238.32	1/2	2,983.01	1/2	2,727.70	1/2	2,472.37	1/2	2,217.06	1/2	1,961.73		
3/4	3/4	3/4	3/4	3/4	3/4	3,488.33	3/4	3,233.01	3/4	2,977.69	3/4	2,722.38	3/4	2,467.06	3/4	2,211.73	3/4	1,956.41		
7	7	7	7	7	7	3,483.01	7	3,227.69	7	2,972.37	7	2,717.06	7	2,461.74	7	2,206.41	7	1,951.10		
1/4	1/4	1/4	1/4	1/4	1/4	3,477.69	1/4	3,222.38	1/4	2,967.04	1/4	2,711.73	1/4	2,456.42	1/4	2,201.09	1/4	1,945.78		
1/2	1/2	1/2	1/2	1/2	1/2	3,472.37	1/2	3,217.06	1/2	2,961.73	1/2	2,706.41	1/2	2,451.10	1/2	2,195.78	1/2	1,940.46		
3/4	3/4	3/4	3/4	3/4	3/4	3,467.04	3/4	3,211.73	3/4	2,956.41	3/4	2,701.09	3/4	2,445.78	3/4	2,190.46	3/4	1,935.14		
8	8	8	8	8	8	3,461.72	8	3,206.41	8	2,951.10	8	2,695.77	8	2,440.46	8	2,185.14	8	1,929.82		
1/4	1/4	1/4	1/4	1/4	1/4	3,456.40	1/4	3,201.09	1/4	2,945.78	1/4	2,690.45	1/4	2,435.14	1/4	2,179.83	1/4	1,924.50		
1/2	1/2	1/2	1/2	1/2	1/2	3,451.09	1/2	3,195.77	1/2	2,940.46	1/2	2,685.13	1/2	2,429.82	1/2	2,174.51	1/2	1,919.18		
3/4	3/4	3/4	3/4	3/4	3/4	3,445.77	3/4	3,190.45	3/4	2,935.14	3/4	2,679.82	3/4	2,424.50	3/4	2,169.19	3/4	1,913.87		
9	9	9	9	9	9	3,440.45	9	3,185.13	9	2,929.82	9	2,674.50	9	2,419.17	9	2,163.87	9	1,908.55		
1/4	1/4	1/4	1/4	1/4	1/4	3,435.14	1/4	3,179.81	1/4	2,924.50	1/4	2,669.19	1/4	2,413.85	1/4	2,158.54	1/4	1,903.23		
1/2	1/2	1/2	1/2	1/2	1/2	3,429.82	1/2	3,174.49	1/2	2,919.18	1/2	2,663.87	1/2	2,408.54	1/2	2,153.22	1/2	1,897.91		
3/4	3/4	3/4	3/4	3/4	3/4	3,424.50	3/4	3,169.17	3/4	2,913.87	3/4	2,658.54	3/4	2,403.22	3/4	2,147.90	3/4	1,892.59		
10	10	10	10	10	10	3,419.17	10	3,163.86	10	2,908.55	10	2,653.22	10	2,397.91	10	2,142.58	10	1,887.27		
1/4	1/4	1/4	1/4	1/4	1/4	3,413.85	1/4	3,158.54	1/4	2,903.23	1/4	2,647.90	1/4	2,392.59	1/4	2,137.26	1/4	1,881.95		
1/2	1/2	1/2	1/2	1/2	1/2	3,600.02	1/2	3,408.54	1/2	3,153.22	1/2	2,897.91	1/2	2,642.59	1/2	2,387.27	1/2	2,131.94	1/2	1,876.63
3/4	3/4	3/4	3/4	3/4	3/4	3,599.58	3/4	3,403.22	3/4	3,147.90	3/4	2,892.59	3/4	2,637.27	3/4	2,381.95	3/4	2,126.63	3/4	1,871.31
11	11	11	11	11	11	3,599.15	11	3,397.91	11	3,142.58	11	2,887.27	11	2,631.95	11	2,376.63	11	2,121.31	11	1,865.98
1/4	1/4	1/4	1/4	1/4	1/4	3,598.71	1/4	3,392.59	1/4	3,137.26	1/4	2,881.95	1/4	2,626.64	1/4	2,371.31	1/4	2,116.00	1/4	1,860.66
1/2	1/2	1/2	1/2	1/2	1/2	3,597.60	1/2	3,387.27	1/2	3,131.94	1/2	2,876.63	1/2	2,621.32	1/2	2,365.99	1/2	2,110.67	1/2	1,855.35
3/4	3/4	3/4	3/4	3/4	3/4	3,596.48	3/4	3,381.95	3/4	3,126.63	3/4	2,871.31	3/4	2,616.00	3/4	2,360.67	3/4	2,105.35	3/4	1,850.03

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 21'-00" 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 10528"

## 2 CENTER ULLAGE TABLE

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

FORMERLY "WBC 28"

GAUGE HEIGHT 17'-04 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	1,844.72	0	1,589.39	0	1,334.08	0	1,078.76	0	823.44	0	568.13	0	312.81	0	58.29	0		0	
1/4	1,839.40	1/4	1,584.07	1/4	1,328.76	1/4	1,073.45	1/4	818.12	1/4	562.81	1/4	307.50	1/4	53.02	1/4		1/4	
1/2	1,834.08	1/2	1,578.75	1/2	1,323.44	1/2	1,068.13	1/2	812.80	1/2	557.48	1/2	302.18	1/2	47.74	1/2		1/2	
3/4	1,828.76	3/4	1,573.44	3/4	1,318.12	3/4	1,062.81	3/4	807.48	3/4	552.16	3/4	296.85	3/4	42.46	3/4		3/4	
1	1,823.44	1	1,568.12	1	1,312.79	1	1,057.48	1	802.17	1	546.84	1	291.53	1	37.18	1		1	
1/4	1,818.12	1/4	1,562.81	1/4	1,307.47	1/4	1,052.16	1/4	796.85	1/4	541.52	1/4	286.21	1/4	31.90	1/4		1/4	
1/2	1,812.80	1/2	1,557.48	1/2	1,302.16	1/2	1,046.84	1/2	791.53	1/2	536.20	1/2	280.89	1/2	27.47	1/2		1/2	
3/4	1,807.48	3/4	1,552.16	3/4	1,296.84	3/4	1,041.52	3/4	786.21	3/4	530.89	3/4	275.57	3/4	23.04	3/4		3/4	
2	1,802.17	2	1,546.84	2	1,291.53	2	1,036.20	2	780.89	2	525.57	2	270.25	2	18.62	2		2	
1/4	1,796.85	1/4	1,541.52	1/4	1,286.21	1/4	1,030.88	1/4	775.57	1/4	520.26	1/4	264.92	1/4	14.19	1/4		1/4	
1/2	1,791.53	1/2	1,536.20	1/2	1,280.89	1/2	1,025.56	1/2	770.25	1/2	514.94	1/2	259.61	1/2	11.53	1/2		1/2	
3/4	1,786.21	3/4	1,530.89	3/4	1,275.57	3/4	1,020.25	3/4	764.92	3/4	509.62	3/4	254.29	3/4	8.87	3/4		3/4	
3	1,780.89	3	1,525.57	3	1,270.25	3	1,014.93	3	759.60	3	504.29	3	248.98	3	6.20	3		3	
1/4	1,775.57	1/4	1,520.26	1/4	1,264.92	1/4	1,009.62	1/4	754.28	1/4	498.97	1/4	243.66	1/4	3.54	1/4		1/4	
1/2	1,770.25	1/2	1,514.94	1/2	1,259.61	1/2	1,004.29	1/2	748.97	1/2	493.66	1/2	238.34	1/2	2.66	1/2		1/2	
3/4	1,764.92	3/4	1,509.61	3/4	1,254.29	3/4	998.97	3/4	743.65	3/4	488.34	3/4	233.02	3/4	1.77	3/4		3/4	
4	1,759.60	4	1,504.29	4	1,248.98	4	993.65	4	738.34	4	483.03	4	227.70	4	0.88	4		4	
1/4	1,754.28	1/4	1,498.97	1/4	1,243.66	1/4	988.33	1/4	733.02	1/4	477.71	1/4	222.38	1/4	0.00	1/4		1/4	
1/2	1,748.97	1/2	1,493.65	1/2	1,238.34	1/2	983.01	1/2	727.70	1/2	472.39	1/2	217.06	1/2		1/2		1/2	
3/4	1,743.65	3/4	1,488.33	3/4	1,233.02	3/4	977.70	3/4	722.38	3/4	467.07	3/4	211.75	3/4		3/4		3/4	
5	1,738.34	5	1,483.01	5	1,227.70	5	972.38	5	717.06	5	461.75	5	206.43	5		5		5	
1/4	1,733.02	1/4	1,477.69	1/4	1,222.38	1/4	967.07	1/4	711.73	1/4	456.42	1/4	201.11	1/4		1/4		1/4	
1/2	1,727.70	1/2	1,472.37	1/2	1,217.06	1/2	961.75	1/2	706.42	1/2	451.10	1/2	195.79	1/2		1/2		1/2	
3/4	1,722.38	3/4	1,467.06	3/4	1,211.73	3/4	956.42	3/4	701.10	3/4	445.78	3/4	190.47	3/4		3/4		3/4	
6	1,717.06	6	1,461.74	6	1,206.41	6	951.10	6	695.79	6	440.46	6	185.15	6		6		6	
1/4	1,711.73	1/4	1,456.42	1/4	1,201.09	1/4	945.78	1/4	690.47	1/4	435.14	1/4	179.83	1/4		1/4		1/4	
1/2	1,706.42	1/2	1,451.10	1/2	1,195.78	1/2	940.46	1/2	685.15	1/2	429.82	1/2	174.51	1/2		1/2		1/2	
3/4	1,701.10	3/4	1,445.78	3/4	1,190.46	3/4	935.14	3/4	679.83	3/4	424.51	3/4	169.19	3/4		3/4		3/4	
7	1,695.79	7	1,440.46	7	1,185.14	7	929.82	7	674.51	7	419.19	7	163.87	7		7		7	
1/4	1,690.47	1/4	1,435.14	1/4	1,179.83	1/4	924.50	1/4	669.19	1/4	413.88	1/4	158.54	1/4		1/4		1/4	
1/2	1,685.15	1/2	1,429.82	1/2	1,174.51	1/2	919.18	1/2	663.87	1/2	408.56	1/2	153.27	1/2		1/2		1/2	
3/4	1,679.83	3/4	1,424.51	3/4	1,169.19	3/4	913.87	3/4	658.54	3/4	403.23	3/4	148.00	3/4		3/4		3/4	
8	1,674.51	8	1,419.19	8	1,163.87	8	908.55	8	653.22	8	397.91	8	142.72	8		8		8	
1/4	1,669.19	1/4	1,413.88	1/4	1,158.54	1/4	903.23	1/4	647.90	1/4	392.59	1/4	137.45	1/4		1/4		1/4	
1/2	1,663.87	1/2	1,408.56	1/2	1,153.23	1/2	897.91	1/2	642.59	1/2	387.27	1/2	132.17	1/2		1/2		1/2	
3/4	1,658.54	3/4	1,403.23	3/4	1,147.91	3/4	892.59	3/4	637.27	3/4	381.95	3/4	126.89	3/4		3/4		3/4	
9	1,653.22	9	1,397.91	9	1,142.60	9	887.27	9	631.95	9	376.63	9	121.61	9		9		9	
1/4	1,647.90	1/4	1,392.59	1/4	1,137.28	1/4	881.95	1/4	626.64	1/4	371.31	1/4	116.33	1/4		1/4		1/4	
1/2	1,642.59	1/2	1,387.27	1/2	1,131.96	1/2	876.63	1/2	621.32	1/2	365.99	1/2	111.06	1/2		1/2		1/2	
3/4	1,637.27	3/4	1,381.95	3/4	1,126.64	3/4	871.32	3/4	616.00	3/4	360.67	3/4	105.78	3/4		3/4		3/4	
10	1,631.95	10	1,376.63	10	1,121.32	10	866.00	10	610.67	10	355.36	10	100.51	10		10		10	
1/4	1,626.64	1/4	1,371.31	1/4	1,116.00	1/4	860.69	1/4	605.35	1/4	350.04	1/4	95.23	1/4		1/4		1/4	
1/2	1,621.32	1/2	1,365.99	1/2	1,110.67	1/2	855.37	1/2	600.04	1/2	344.72	1/2	89.95	1/2		1/2		1/2	
3/4	1,616.00	3/4	1,360.67	3/4	1,105.35	3/4	850.04	3/4	594.72	3/4	339.40	3/4	84.67	3/4		3/4		3/4	
11	1,610.67	11	1,355.36	11	1,100.03	11	844.72	11	589.41	11	334.08	11	79.40	11		11		11	
1/4	1,605.35	1/4	1,350.04	1/4	1,094.71	1/4	839.40	1/4	584.09	1/4	328.76	1/4	74.12	1/4		1/4		1/4	
1/2	1,600.03	1/2	1,344.72	1/2	1,089.39	1/2	834.08	1/2	578.77	1/2	323.44	1/2	68.84	1/2		1/2		1/2	
3/4	1,594.71	3/4	1,339.40	3/4	1,084.08	3/4	828.76	3/4	573.45	3/4	318.13	3/4	63.57	3/4		3/4		3/4	

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CANCELS AND SUPERCEDES  
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PRECISION MEASUREMENT  
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Pearland, Texas 77588  
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# BARGE "KIRBY 10528"

## 3 CENTER ULLAGE TABLE

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

FORMERLY "WBC 28"

GAUGE HEIGHT 17'-03 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	3,950.66	0	3,698.79	0	3,417.34	0	3,135.88	0	2,854.43	0	2,572.98	0	2,291.53		
1/4	1/4	1/4	1/4	1/4	1/4	3,948.88	1/4	3,692.92	1/4	3,411.47	1/4	3,130.02	1/4	2,848.57	1/4	2,567.11	1/4	2,285.66		
1/2	1/2	1/2	1/2	1/2	1/2	3,946.07	1/2	3,687.06	1/2	3,405.61	1/2	3,124.16	1/2	2,842.70	1/2	2,561.25	1/2	2,279.80		
3/4	3/4	3/4	3/4	3/4	3/4	3,943.27	3/4	3,681.20	3/4	3,399.75	3/4	3,118.29	3/4	2,836.84	3/4	2,555.39	3/4	2,273.94		
1	1	1	1	1	1	3,940.47	1	3,675.34	1	3,393.88	1	3,112.43	1	2,830.98	1	2,549.53	1	2,268.07		
1/4	1/4	1/4	1/4	1/4	1/4	3,937.66	1/4	3,669.47	1/4	3,388.02	1/4	3,106.57	1/4	2,825.11	1/4	2,543.66	1/4	2,262.21		
1/2	1/2	1/2	1/2	1/2	1/2	3,933.84	1/2	3,663.60	1/2	3,382.16	1/2	3,100.70	1/2	2,819.25	1/2	2,537.80	1/2	2,256.35		
3/4	3/4	3/4	3/4	3/4	3/4	3,930.01	3/4	3,657.73	3/4	3,376.29	3/4	3,094.84	3/4	2,813.39	3/4	2,531.94	3/4	2,250.48		
2	2	2	2	2	2	3,926.18	2	3,651.87	2	3,370.43	2	3,088.98	2	2,807.53	2	2,526.07	2	2,244.62		
1/4	1/4	1/4	1/4	1/4	1/4	3,922.35	1/4	3,646.00	1/4	3,364.57	1/4	3,083.11	1/4	2,801.66	1/4	2,520.21	1/4	2,238.76		
1/2	1/2	1/2	1/2	1/2	1/2	3,913.76	1/2	3,640.13	1/2	3,358.70	1/2	3,077.25	1/2	2,795.80	1/2	2,514.35	1/2	2,232.89		
3/4	3/4	3/4	3/4	3/4	3/4	3,905.16	3/4	3,634.27	3/4	3,352.83	3/4	3,071.39	3/4	2,789.94	3/4	2,508.48	3/4	2,227.03		
3	3	3	3	3	3	3,896.57	3	3,628.41	3	3,346.96	3	3,065.53	3	2,784.07	3	2,502.62	3	2,221.17		
1/4	1/4	1/4	1/4	1/4	1/4	3,887.97	1/4	3,622.54	1/4	3,341.09	1/4	3,059.66	1/4	2,778.21	1/4	2,496.76	1/4	2,215.31		
1/2	1/2	1/2	1/2	1/2	1/2	3,886.12	1/2	3,616.68	1/2	3,335.23	1/2	3,053.79	1/2	2,772.35	1/2	2,490.89	1/2	2,209.44		
3/4	3/4	3/4	3/4	3/4	3/4	3,884.26	3/4	3,610.82	3/4	3,329.37	3/4	3,047.92	3/4	2,766.48	3/4	2,485.03	3/4	2,203.58		
4	4	4	4	4	4	3,882.40	4	3,604.95	4	3,323.50	4	3,042.06	4	2,760.62	4	2,479.17	4	2,197.72		
1/4	1/4	1/4	1/4	1/4	1/4	3,880.54	1/4	3,599.09	1/4	3,317.64	1/4	3,036.19	1/4	2,754.76	1/4	2,473.31	1/4	2,191.85		
1/2	1/2	1/2	1/2	1/2	1/2	3,874.68	1/2	3,593.23	1/2	3,311.78	1/2	3,030.32	1/2	2,748.89	1/2	2,467.44	1/2	2,185.99		
3/4	3/4	3/4	3/4	3/4	3/4	3,868.82	3/4	3,587.37	3/4	3,305.91	3/4	3,024.46	3/4	2,743.02	3/4	2,461.58	3/4	2,180.13		
5	5	5	5	5	5	3,862.95	5	3,581.50	5	3,300.05	5	3,018.60	5	2,737.15	5	2,455.72	5	2,174.26		
1/4	1/4	1/4	1/4	1/4	1/4	3,857.09	1/4	3,575.64	1/4	3,294.19	1/4	3,012.73	1/4	2,731.28	1/4	2,449.85	1/4	2,168.40		
1/2	1/2	1/2	1/2	1/2	1/2	3,851.23	1/2	3,569.78	1/2	3,288.32	1/2	3,006.87	1/2	2,725.42	1/2	2,443.98	1/2	2,162.54		
3/4	3/4	3/4	3/4	3/4	3/4	3,845.37	3/4	3,563.91	3/4	3,282.46	3/4	3,001.01	3/4	2,719.56	3/4	2,438.11	3/4	2,156.67		
6	6	6	6	6	6	3,839.50	6	3,558.05	6	3,276.60	6	2,995.14	6	2,713.69	6	2,432.25	6	2,150.81		
1/4	1/4	1/4	1/4	1/4	1/4	3,833.64	1/4	3,552.19	1/4	3,270.73	1/4	2,989.28	1/4	2,707.83	1/4	2,426.38	1/4	2,144.95		
1/2	1/2	1/2	1/2	1/2	1/2	3,827.78	1/2	3,546.32	1/2	3,264.87	1/2	2,983.42	1/2	2,701.97	1/2	2,420.51	1/2	2,139.08		
3/4	3/4	3/4	3/4	3/4	3/4	3,821.91	3/4	3,540.46	3/4	3,259.01	3/4	2,977.56	3/4	2,696.10	3/4	2,414.65	3/4	2,133.21		
7	7	7	7	7	7	3,816.05	7	3,534.60	7	3,253.14	7	2,971.69	7	2,690.24	7	2,408.79	7	2,127.34		
1/4	1/4	1/4	1/4	1/4	1/4	3,810.19	1/4	3,528.73	1/4	3,247.28	1/4	2,965.83	1/4	2,684.38	1/4	2,402.92	1/4	2,121.47		
1/2	1/2	1/2	1/2	1/2	1/2	3,804.32	1/2	3,522.87	1/2	3,241.42	1/2	2,959.97	1/2	2,678.51	1/2	2,397.06	1/2	2,115.61		
3/4	3/4	3/4	3/4	3/4	3/4	3,798.46	3/4	3,517.01	3/4	3,235.56	3/4	2,954.10	3/4	2,672.65	3/4	2,391.20	3/4	2,109.75		
8	8	8	8	8	8	3,792.60	8	3,511.14	8	3,229.69	8	2,948.24	8	2,666.79	8	2,385.34	8	2,103.88		
1/4	1/4	1/4	1/4	1/4	1/4	3,786.73	1/4	3,505.28	1/4	3,223.83	1/4	2,942.38	1/4	2,660.92	1/4	2,379.47	1/4	2,098.02		
1/2	1/2	1/2	1/2	1/2	1/2	3,780.87	1/2	3,499.42	1/2	3,217.97	1/2	2,936.51	1/2	2,655.06	1/2	2,373.61	1/2	2,092.16		
3/4	3/4	3/4	3/4	3/4	3/4	3,775.01	3/4	3,493.56	3/4	3,212.10	3/4	2,930.65	3/4	2,649.20	3/4	2,367.75	3/4	2,086.29		
9	9	9	9	9	9	3,769.14	9	3,487.69	9	3,206.24	9	2,924.79	9	2,643.34	9	2,361.88	9	2,080.43		
1/4	1/4	1/4	1/4	1/4	1/4	3,763.28	1/4	3,481.83	1/4	3,200.38	1/4	2,918.92	1/4	2,637.47	1/4	2,356.02	1/4	2,074.57		
1/2	1/2	1/2	1/2	1/2	1/2	3,757.42	1/2	3,475.97	1/2	3,194.51	1/2	2,913.06	1/2	2,631.61	1/2	2,350.16	1/2	2,068.70		
3/4	3/4	3/4	3/4	3/4	3/4	3,751.56	3/4	3,470.10	3/4	3,188.65	3/4	2,907.20	3/4	2,625.75	3/4	2,344.29	3/4	2,062.84		
10	10	10	10	10	10	3,959.71	10	3,745.69	10	3,464.24	10	3,182.79	10	2,901.34	10	2,619.88	10	2,338.43	10	2,056.98
1/4	1/4	1/4	1/4	1/4	1/4	3,959.33	1/4	3,739.83	1/4	3,458.38	1/4	3,176.92	1/4	2,895.47	1/4	2,614.02	1/4	2,332.57	1/4	2,051.11
1/2	1/2	1/2	1/2	1/2	1/2	3,958.50	1/2	3,733.97	1/2	3,452.51	1/2	3,171.06	1/2	2,889.61	1/2	2,608.16	1/2	2,326.70	1/2	2,045.25
3/4	3/4	3/4	3/4	3/4	3/4	3,957.67	3/4	3,728.10	3/4	3,446.65	3/4	3,165.20	3/4	2,883.75	3/4	2,602.29	3/4	2,320.84	3/4	2,039.39
11	11	11	11	11	11	3,956.85	11	3,722.24	11	3,440.79	11	3,159.34	11	2,877.88	11	2,596.43	11	2,314.98	11	2,033.53
1/4	1/4	1/4	1/4	1/4	1/4	3,956.02	1/4	3,716.38	1/4	3,434.92	1/4	3,153.47	1/4	2,872.02	1/4	2,590.57	1/4	2,309.11	1/4	2,027.66
1/2	1/2	1/2	1/2	1/2	1/2	3,954.23	1/2	3,710.51	1/2	3,429.06	1/2	3,147.61	1/2	2,866.16	1/2	2,584.70	1/2	2,303.25	1/2	2,021.80
3/4	3/4	3/4	3/4	3/4	3/4	3,952.45	3/4	3,704.65	3/4	3,423.20	3/4	3,141.75	3/4	2,860.29	3/4	2,578.84	3/4	2,297.39	3/4	2,015.94

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 26'-00" 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 10528"

## 3 CENTER ULLAGE TABLE

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

FORMERLY "WBC 28"

GAUGE HEIGHT 17'-03 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	2,010.07	0	1,728.62	0	1,447.17	0	1,165.72	0	884.26	0	602.82	0	321.36	0	41.00	0		0	
1/4	2,004.21	1/4	1,722.76	1/4	1,441.31	1/4	1,159.85	1/4	878.40	1/4	596.95	1/4	315.50	1/4	35.19	1/4		1/4	
1/2	1,998.35	1/2	1,716.89	1/2	1,435.44	1/2	1,153.99	1/2	872.54	1/2	591.08	1/2	309.63	1/2	30.30	1/2		1/2	
3/4	1,992.48	3/4	1,711.03	3/4	1,429.58	3/4	1,148.13	3/4	866.67	3/4	585.22	3/4	303.77	3/4	25.41	3/4		3/4	
1	1,986.62	1	1,705.17	1	1,423.72	1	1,142.26	1	860.81	1	579.36	1	297.91	1	20.53	1		1	
1/4	1,980.76	1/4	1,699.31	1/4	1,417.85	1/4	1,136.40	1/4	854.95	1/4	573.50	1/4	292.04	1/4	15.64	1/4		1/4	
1/2	1,974.89	1/2	1,693.44	1/2	1,411.99	1/2	1,130.54	1/2	849.08	1/2	567.63	1/2	286.18	1/2	12.70	1/2		1/2	
3/4	1,969.03	3/4	1,687.58	3/4	1,406.13	3/4	1,124.67	3/4	843.22	3/4	561.77	3/4	280.32	3/4	9.77	3/4		3/4	
2	1,963.17	2	1,681.72	2	1,400.26	2	1,118.81	2	837.36	2	555.91	2	274.45	2	6.83	2		2	
1/4	1,957.31	1/4	1,675.85	1/4	1,394.40	1/4	1,112.95	1/4	831.50	1/4	550.04	1/4	268.59	1/4	3.90	1/4		1/4	
1/2	1,951.44	1/2	1,669.99	1/2	1,388.54	1/2	1,107.08	1/2	825.63	1/2	544.18	1/2	262.73	1/2	2.92	1/2		1/2	
3/4	1,945.58	3/4	1,664.13	3/4	1,382.67	3/4	1,101.22	3/4	819.77	3/4	538.32	3/4	256.87	3/4	1.95	3/4		3/4	
3	1,939.72	3	1,658.26	3	1,376.81	3	1,095.36	3	813.91	3	532.45	3	251.00	3	0.97	3		3	
1/4	1,933.85	1/4	1,652.40	1/4	1,370.95	1/4	1,089.50	1/4	808.04	1/4	526.59	1/4	245.14	1/4	0.00	1/4		1/4	
1/2	1,927.99	1/2	1,646.54	1/2	1,365.08	1/2	1,083.63	1/2	802.18	1/2	520.73	1/2	239.28	1/2		1/2		1/2	
3/4	1,922.13	3/4	1,640.67	3/4	1,359.22	3/4	1,077.77	3/4	796.32	3/4	514.86	3/4	233.41	3/4		3/4		3/4	
4	1,916.26	4	1,634.81	4	1,353.36	4	1,071.91	4	790.45	4	509.00	4	227.55	4		4		4	
1/4	1,910.40	1/4	1,628.95	1/4	1,347.50	1/4	1,066.04	1/4	784.59	1/4	503.14	1/4	221.69	1/4		1/4		1/4	
1/2	1,904.54	1/2	1,623.08	1/2	1,341.63	1/2	1,060.18	1/2	778.73	1/2	497.28	1/2	215.82	1/2		1/2		1/2	
3/4	1,898.67	3/4	1,617.22	3/4	1,335.77	3/4	1,054.32	3/4	772.86	3/4	491.41	3/4	209.96	3/4		3/4		3/4	
5	1,892.81	5	1,611.36	5	1,329.91	5	1,048.45	5	767.00	5	485.55	5	204.10	5		5		5	
1/4	1,886.95	1/4	1,605.50	1/4	1,324.04	1/4	1,042.59	1/4	761.14	1/4	479.69	1/4	198.23	1/4		1/4		1/4	
1/2	1,881.08	1/2	1,599.63	1/2	1,318.18	1/2	1,036.73	1/2	755.28	1/2	473.82	1/2	192.37	1/2		1/2		1/2	
3/4	1,875.22	3/4	1,593.77	3/4	1,312.32	3/4	1,030.86	3/4	749.41	3/4	467.96	3/4	186.51	3/4		3/4		3/4	
6	1,869.36	6	1,587.91	6	1,306.45	6	1,025.00	6	743.55	6	462.10	6	180.64	6		6		6	
1/4	1,863.50	1/4	1,582.04	1/4	1,300.59	1/4	1,019.14	1/4	737.69	1/4	456.23	1/4	174.78	1/4		1/4		1/4	
1/2	1,857.63	1/2	1,576.18	1/2	1,294.73	1/2	1,013.28	1/2	731.82	1/2	450.37	1/2	168.97	1/2		1/2		1/2	
3/4	1,851.77	3/4	1,570.32	3/4	1,288.86	3/4	1,007.41	3/4	725.96	3/4	444.51	3/4	163.15	3/4		3/4		3/4	
7	1,845.91	7	1,564.45	7	1,283.00	7	1,001.55	7	720.10	7	438.64	7	157.34	7		7		7	
1/4	1,840.04	1/4	1,558.59	1/4	1,277.14	1/4	995.69	1/4	714.23	1/4	432.78	1/4	151.52	1/4		1/4		1/4	
1/2	1,834.17	1/2	1,552.73	1/2	1,271.28	1/2	989.82	1/2	708.37	1/2	426.92	1/2	145.70	1/2		1/2		1/2	
3/4	1,828.31	3/4	1,546.86	3/4	1,265.41	3/4	983.96	3/4	702.51	3/4	421.06	3/4	139.89	3/4		3/4		3/4	
8	1,822.44	8	1,541.00	8	1,259.55	8	978.10	8	696.64	8	415.19	8	134.07	8		8		8	
1/4	1,816.57	1/4	1,535.14	1/4	1,253.69	1/4	972.23	1/4	690.78	1/4	409.33	1/4	128.26	1/4		1/4		1/4	
1/2	1,810.70	1/2	1,529.27	1/2	1,247.82	1/2	966.37	1/2	684.92	1/2	403.47	1/2	122.44	1/2		1/2		1/2	
3/4	1,804.84	3/4	1,523.40	3/4	1,241.96	3/4	960.51	3/4	679.06	3/4	397.60	3/4	116.61	3/4		3/4		3/4	
9	1,798.98	9	1,517.53	9	1,236.10	9	954.64	9	673.19	9	391.74	9	110.79	9		9		9	
1/4	1,793.11	1/4	1,511.66	1/4	1,230.23	1/4	948.78	1/4	667.33	1/4	385.88	1/4	104.97	1/4		1/4		1/4	
1/2	1,787.25	1/2	1,505.80	1/2	1,224.36	1/2	942.92	1/2	661.47	1/2	380.01	1/2	99.16	1/2		1/2		1/2	
3/4	1,781.39	3/4	1,499.94	3/4	1,218.50	3/4	937.06	3/4	655.60	3/4	374.15	3/4	93.34	3/4		3/4		3/4	
10	1,775.53	10	1,494.07	10	1,212.63	10	931.19	10	649.74	10	368.29	10	87.53	10		10		10	
1/4	1,769.66	1/4	1,488.21	1/4	1,206.76	1/4	925.33	1/4	643.88	1/4	362.42	1/4	81.71	1/4		1/4		1/4	
1/2	1,763.80	1/2	1,482.35	1/2	1,200.89	1/2	919.46	1/2	638.01	1/2	356.56	1/2	75.89	1/2		1/2		1/2	
3/4	1,757.94	3/4	1,476.48	3/4	1,195.03	3/4	913.59	3/4	632.15	3/4	350.70	3/4	70.08	3/4		3/4		3/4	
11	1,752.07	11	1,470.62	11	1,189.17	11	907.72	11	626.29	11	344.83	11	64.26	11		11		11	
1/4	1,746.21	1/4	1,464.76	1/4	1,183.31	1/4	901.85	1/4	620.42	1/4	338.97	1/4	58.45	1/4		1/4		1/4	
1/2	1,740.35	1/2	1,458.89	1/2	1,177.44	1/2	895.99	1/2	614.56	1/2	333.10	1/2	52.63	1/2		1/2		1/2	
3/4	1,734.48	3/4	1,453.03	3/4	1,171.58	3/4	890.13	3/4	608.69	3/4	327.23	3/4	46.82	3/4		3/4		3/4	

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