



BARGE "CBC 24"

INNAGE TRIM TABLE

FORMERLY "GBL 1310 and KIRBY 10564"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 CENTER	- 00-1/4	00-1/4	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2	- 01-7/8	01-7/8
3 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

(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 00-5/8"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 4'-00 5/8"

LENGTH BETWEEN DRAFT MARKS: 157'-00"

November 4, 2016

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

<http://www.pmacorp.net>



BARGE "CBC 24"

1 CENTER INNAGE TABLE

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

FORMERLY "GBL 1310 and KIRBY 10564"

GAUGE HEIGHT 16'-10 1/8"

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	1.03	0	207.59	0	456.44	0	704.93	0	953.72	0	1,202.58	0	1,451.44	0	1,700.31	0	1,949.19	0	2,198.05
1/4	1.83	1/4	212.78	1/4	461.62	1/4	710.10	1/4	958.90	1/4	1,207.77	1/4	1,456.63	1/4	1,705.49	1/4	1,954.37	1/4	2,203.23
1/2	2.62	1/2	217.96	1/2	466.81	1/2	715.28	1/2	964.09	1/2	1,212.95	1/2	1,461.81	1/2	1,710.68	1/2	1,959.56	1/2	2,208.42
3/4	3.42	3/4	223.15	3/4	471.99	3/4	720.45	3/4	969.27	3/4	1,218.14	3/4	1,467.00	3/4	1,715.86	3/4	1,964.74	3/4	2,213.60
1	4.56	1	228.33	1	477.17	1	725.62	1	974.45	1	1,223.32	1	1,472.18	1	1,721.05	1	1,969.92	1	2,218.79
1/4	6.36	1/4	233.52	1/4	482.36	1/4	730.80	1/4	979.63	1/4	1,228.51	1/4	1,477.37	1/4	1,726.23	1/4	1,975.11	1/4	2,223.97
1/2	8.50	1/2	238.70	1/2	487.54	1/2	735.98	1/2	984.82	1/2	1,233.69	1/2	1,482.55	1/2	1,731.42	1/2	1,980.29	1/2	2,229.16
3/4	10.65	3/4	243.89	3/4	492.73	3/4	741.15	3/4	990.00	3/4	1,238.88	3/4	1,487.74	3/4	1,736.60	3/4	1,985.48	3/4	2,234.34
2	13.13	2	249.07	2	497.91	2	746.33	2	995.19	2	1,244.06	2	1,492.92	2	1,741.79	2	1,990.66	2	2,239.53
1/4	16.30	1/4	254.25	1/4	503.09	1/4	751.51	1/4	1,000.38	1/4	1,249.25	1/4	1,498.11	1/4	1,746.97	1/4	1,995.85	1/4	2,244.71
1/2	19.82	1/2	259.44	1/2	508.28	1/2	756.70	1/2	1,005.56	1/2	1,254.43	1/2	1,503.29	1/2	1,752.16	1/2	2,001.03	1/2	2,249.90
3/4	23.33	3/4	264.62	3/4	513.46	3/4	761.88	3/4	1,010.75	3/4	1,259.62	3/4	1,508.48	3/4	1,757.34	3/4	2,006.22	3/4	2,255.08
3	27.06	3	269.80	3	518.64	3	767.07	3	1,015.93	3	1,264.80	3	1,513.66	3	1,762.53	3	2,011.40	3	2,260.27
1/4	31.24	1/4	274.99	1/4	523.82	1/4	772.25	1/4	1,021.12	1/4	1,269.98	1/4	1,518.85	1/4	1,767.71	1/4	2,016.59	1/4	2,265.45
1/2	35.64	1/2	280.17	1/2	529.00	1/2	777.44	1/2	1,026.30	1/2	1,275.17	1/2	1,524.03	1/2	1,772.90	1/2	2,021.77	1/2	2,270.64
3/4	40.03	3/4	285.36	3/4	534.18	3/4	782.62	3/4	1,031.49	3/4	1,280.35	3/4	1,529.22	3/4	1,778.08	3/4	2,026.96	3/4	2,275.82
4	44.51	4	290.54	4	539.36	4	787.80	4	1,036.67	4	1,285.53	4	1,534.40	4	1,783.27	4	2,032.14	4	2,281.00
1/4	49.16	1/4	295.73	1/4	544.54	1/4	792.99	1/4	1,041.86	1/4	1,290.72	1/4	1,539.59	1/4	1,788.45	1/4	2,037.33	1/4	2,286.19
1/2	53.89	1/2	300.91	1/2	549.71	1/2	798.17	1/2	1,047.04	1/2	1,295.90	1/2	1,544.77	1/2	1,793.64	1/2	2,042.51	1/2	2,291.37
3/4	58.61	3/4	306.10	3/4	554.89	3/4	803.36	3/4	1,052.23	3/4	1,301.09	3/4	1,549.96	3/4	1,798.82	3/4	2,047.70	3/4	2,296.56
5	63.41	5	311.28	5	560.06	5	808.54	5	1,057.41	5	1,306.27	5	1,555.14	5	1,804.01	5	2,052.88	5	2,301.74
1/4	68.34	1/4	316.47	1/4	565.23	1/4	813.73	1/4	1,062.60	1/4	1,311.46	1/4	1,560.32	1/4	1,809.19	1/4	2,058.07	1/4	2,306.93
1/2	73.33	1/2	321.65	1/2	570.41	1/2	818.91	1/2	1,067.78	1/2	1,316.64	1/2	1,565.51	1/2	1,814.38	1/2	2,063.25	1/2	2,312.11
3/4	78.33	3/4	326.84	3/4	575.58	3/4	824.10	3/4	1,072.97	3/4	1,321.82	3/4	1,570.69	3/4	1,819.56	3/4	2,068.44	3/4	2,317.30
6	83.36	6	332.02	6	580.75	6	829.28	6	1,078.15	6	1,327.01	6	1,575.87	6	1,824.75	6	2,073.62	6	2,322.48
1/4	88.47	1/4	337.20	1/4	585.93	1/4	834.47	1/4	1,083.34	1/4	1,332.19	1/4	1,581.05	1/4	1,829.93	1/4	2,078.81	1/4	2,327.66
1/2	93.61	1/2	342.39	1/2	591.10	1/2	839.65	1/2	1,088.52	1/2	1,337.38	1/2	1,586.24	1/2	1,835.12	1/2	2,083.99	1/2	2,332.85
3/4	98.76	3/4	347.57	3/4	596.28	3/4	844.84	3/4	1,093.71	3/4	1,342.56	3/4	1,591.42	3/4	1,840.30	3/4	2,089.18	3/4	2,338.03
7	103.91	7	352.75	7	601.45	7	850.02	7	1,098.89	7	1,347.75	7	1,596.61	7	1,845.49	7	2,094.36	7	2,343.21
1/4	109.09	1/4	357.94	1/4	606.62	1/4	855.21	1/4	1,104.08	1/4	1,352.93	1/4	1,601.79	1/4	1,850.67	1/4	2,099.55	1/4	2,348.39
1/2	114.27	1/2	363.12	1/2	611.80	1/2	860.39	1/2	1,109.26	1/2	1,358.12	1/2	1,606.98	1/2	1,855.86	1/2	2,104.73	1/2	2,353.58
3/4	119.46	3/4	368.31	3/4	616.97	3/4	865.58	3/4	1,114.45	3/4	1,363.30	3/4	1,612.16	3/4	1,861.04	3/4	2,109.92	3/4	2,358.76
8	124.64	8	373.49	8	622.14	8	870.76	8	1,119.63	8	1,368.49	8	1,617.35	8	1,866.23	8	2,115.10	8	2,363.95
1/4	129.83	1/4	378.68	1/4	627.32	1/4	875.95	1/4	1,124.81	1/4	1,373.67	1/4	1,622.53	1/4	1,871.41	1/4	2,120.29	1/4	2,369.13
1/2	135.01	1/2	383.86	1/2	632.49	1/2	881.13	1/2	1,130.00	1/2	1,378.86	1/2	1,627.72	1/2	1,876.60	1/2	2,125.47	1/2	2,374.32
3/4	140.20	3/4	389.05	3/4	637.67	3/4	886.32	3/4	1,135.18	3/4	1,384.04	3/4	1,632.90	3/4	1,881.78	3/4	2,130.66	3/4	2,379.50
9	145.38	9	394.23	9	642.84	9	891.50	9	1,140.36	9	1,389.23	9	1,638.09	9	1,886.97	9	2,135.84	9	2,384.69
1/4	150.57	1/4	399.42	1/4	648.02	1/4	896.69	1/4	1,145.55	1/4	1,394.41	1/4	1,643.27	1/4	1,892.15	1/4	2,141.03	1/4	2,389.87
1/2	155.75	1/2	404.60	1/2	653.19	1/2	901.87	1/2	1,150.73	1/2	1,399.60	1/2	1,648.46	1/2	1,897.34	1/2	2,146.21	1/2	2,395.06
3/4	160.94	3/4	409.79	3/4	658.37	3/4	907.06	3/4	1,155.92	3/4	1,404.78	3/4	1,653.64	3/4	1,902.52	3/4	2,151.40	3/4	2,400.24
10	166.12	10	414.97	10	663.54	10	912.24	10	1,161.10	10	1,409.97	10	1,658.83	10	1,907.71	10	2,156.58	10	2,405.43
1/4	171.30	1/4	420.15	1/4	668.71	1/4	917.43	1/4	1,166.29	1/4	1,415.15	1/4	1,664.01	1/4	1,912.89	1/4	2,161.77	1/4	2,410.61
1/2	176.49	1/2	425.34	1/2	673.89	1/2	922.61	1/2	1,171.47	1/2	1,420.34	1/2	1,669.20	1/2	1,918.08	1/2	2,166.95	1/2	2,415.80
3/4	181.67	3/4	430.52	3/4	679.06	3/4	927.80	3/4	1,176.66	3/4	1,425.52	3/4	1,674.38	3/4	1,923.26	3/4	2,172.14	3/4	2,420.98
11	186.85	11	435.70	11	684.23	11	932.98	11	1,181.84	11	1,430.70	11	1,679.57	11	1,928.45	11	2,177.32	11	2,426.16
1/4	192.04	1/4	440.89	1/4	689.40	1/4	938.17	1/4	1,187.03	1/4	1,435.89	1/4	1,684.75	1/4	1,933.63	1/4	2,182.50	1/4	2,431.35
1/2	197.22	1/2	446.07	1/2	694.58	1/2	943.35	1/2	1,192.21	1/2	1,441.07	1/2	1,689.94	1/2	1,938.82	1/2	2,187.69	1/2	2,436.53
3/4	202.41	3/4	451.26	3/4	699.75	3/4	948.54	3/4	1,197.40	3/4	1,446.26	3/4	1,695.12	3/4	1,944.00	3/4	2,192.87	3/4	2,441.72

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TOP OF THREAD ON MMC VALVE.

GAUGE POINT: (MMC) LOCATED 01'-00" OFF CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 24"

1 CENTER INNAGE TABLE

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

FORMERLY "GBL 1310 and KIRBY 10564"

GAUGE HEIGHT 16'-10 1/8"

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	2,446.90	0	2,686.33	0	2,916.74	0	3,147.16	0	3,377.57	0		0		0		0		0	
1/4	2,452.09	1/4	2,691.13	1/4	2,921.54	1/4	3,151.96	1/4	3,382.37	1/4		1/4		1/4		1/4		1/4	
1/2	2,457.27	1/2	2,695.93	1/2	2,926.34	1/2	3,156.76	1/2	3,387.18	1/2		1/2		1/2		1/2		1/2	
3/4	2,462.46	3/4	2,700.73	3/4	2,931.14	3/4	3,161.56	3/4	3,391.98	3/4		3/4		3/4		3/4		3/4	
1	2,467.64	1	2,705.53	1	2,935.94	1	3,166.36	1	3,396.78	1		1		1		1		1	
1/4	2,472.82	1/4	2,710.33	1/4	2,940.74	1/4	3,171.16	1/4	3,401.58	1/4		1/4		1/4		1/4		1/4	
1/2	2,478.01	1/2	2,715.14	1/2	2,945.54	1/2	3,175.96	1/2	3,406.38	1/2		1/2		1/2		1/2		1/2	
3/4	2,483.19	3/4	2,719.94	3/4	2,950.34	3/4	3,180.76	3/4	3,411.18	3/4		3/4		3/4		3/4		3/4	
2	2,488.37	2	2,724.74	2	2,955.14	2	3,185.56	2	3,415.97	2		2		2		2		2	
1/4	2,493.55	1/4	2,729.54	1/4	2,959.94	1/4	3,190.36	1/4	3,420.73	1/4		1/4		1/4		1/4		1/4	
1/2	2,498.74	1/2	2,734.34	1/2	2,964.75	1/2	3,195.16	1/2	3,425.48	1/2		1/2		1/2		1/2		1/2	
3/4	2,503.92	3/4	2,739.14	3/4	2,969.55	3/4	3,199.96	3/4	3,430.23	3/4		3/4		3/4		3/4		3/4	
3	2,509.11	3	2,743.94	3	2,974.35	3	3,204.76	3	3,434.84	3		3		3		3		3	
1/4	2,514.29	1/4	2,748.74	1/4	2,979.15	1/4	3,209.56	1/4	3,439.16	1/4		1/4		1/4		1/4		1/4	
1/2	2,519.48	1/2	2,753.54	1/2	2,983.95	1/2	3,214.36	1/2	3,443.34	1/2		1/2		1/2		1/2		1/2	
3/4	2,524.66	3/4	2,758.34	3/4	2,988.75	3/4	3,219.16	3/4	3,447.51	3/4		3/4		3/4		3/4		3/4	
4	2,529.85	4	2,763.14	4	2,993.55	4	3,223.96	4	3,451.51	4		4		4		4		4	
1/4	2,535.03	1/4	2,767.94	1/4	2,998.35	1/4	3,228.76	1/4	3,455.16	1/4		1/4		1/4		1/4		1/4	
1/2	2,540.22	1/2	2,772.74	1/2	3,003.15	1/2	3,233.56	1/2	3,458.63	1/2		1/2		1/2		1/2		1/2	
3/4	2,545.40	3/4	2,777.54	3/4	3,007.95	3/4	3,238.36	3/4	3,462.09	3/4		3/4		3/4		3/4		3/4	
5	2,550.57	5	2,782.34	5	3,012.75	5	3,243.16	5	3,465.38	5		5		5		5		5	
1/4	2,555.72	1/4	2,787.14	1/4	3,017.55	1/4	3,247.96	1/4	3,468.32	1/4		1/4		1/4		1/4		1/4	
1/2	2,560.86	1/2	2,791.94	1/2	3,022.35	1/2	3,252.77	1/2	3,471.07	1/2		1/2		1/2		1/2		1/2	
3/4	2,565.99	3/4	2,796.74	3/4	3,027.15	3/4	3,257.57	3/4	3,473.83	3/4		3/4		3/4		3/4		3/4	
6	2,571.05	6	2,801.54	6	3,031.95	6	3,262.37	6	3,476.40	6		6		6		6		6	
1/4	2,575.93	1/4	2,806.34	1/4	3,036.75	1/4	3,267.17	1/4	3,478.63	1/4		1/4		1/4		1/4		1/4	
1/2	2,580.73	1/2	2,811.14	1/2	3,041.55	1/2	3,271.97	1/2	3,480.67	1/2		1/2		1/2		1/2		1/2	
3/4	2,585.53	3/4	2,815.94	3/4	3,046.35	3/4	3,276.77	3/4	3,482.72	3/4		3/4		3/4		3/4		3/4	
7	2,590.33	7	2,820.74	7	3,051.15	7	3,281.57	7	3,484.58	7		7		7		7		7	
1/4	2,595.13	1/4	2,825.54	1/4	3,055.95	1/4	3,286.37	1/4	3,486.09	1/4		1/4		1/4		1/4		1/4	
1/2	2,599.93	1/2	2,830.34	1/2	3,060.75	1/2	3,291.17	1/2	3,487.43	1/2		1/2		1/2		1/2		1/2	
3/4	2,604.73	3/4	2,835.14	3/4	3,065.55	3/4	3,295.97	3/4	3,488.76	3/4		3/4		3/4		3/4		3/4	
8	2,609.53	8	2,839.94	8	3,070.35	8	3,300.77	8	3,489.92	8		8		8		8		8	
1/4	2,614.33	1/4	2,844.74	1/4	3,075.15	1/4	3,305.57	1/4	3,490.76	1/4		1/4		1/4		1/4		1/4	
1/2	2,619.13	1/2	2,849.54	1/2	3,079.95	1/2	3,310.37	1/2	3,491.42	1/2		1/2		1/2		1/2		1/2	
3/4	2,623.93	3/4	2,854.34	3/4	3,084.75	3/4	3,315.17	3/4	3,492.09	3/4		3/4		3/4		3/4		3/4	
9	2,628.73	9	2,859.14	9	3,089.55	9	3,319.97	9	3,492.42	9		9		9		9		9	
1/4	2,633.53	1/4	2,863.94	1/4	3,094.35	1/4	3,324.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,638.33	1/2	2,868.74	1/2	3,099.15	1/2	3,329.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,643.13	3/4	2,873.54	3/4	3,103.95	3/4	3,334.37	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,647.93	10	2,878.34	10	3,108.75	10	3,339.17	10		10		10		10		10		10	
1/4	2,652.73	1/4	2,883.14	1/4	3,113.55	1/4	3,343.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,657.53	1/2	2,887.94	1/2	3,118.36	1/2	3,348.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,662.33	3/4	2,892.74	3/4	3,123.16	3/4	3,353.57	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,667.13	11	2,897.54	11	3,127.96	11	3,358.37	11		11		11		11		11		11	
1/4	2,671.93	1/4	2,902.34	1/4	3,132.76	1/4	3,363.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,676.73	1/2	2,907.14	1/2	3,137.56	1/2	3,367.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,681.53	3/4	2,911.94	3/4	3,142.36	3/4	3,372.77	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 01/29/1999 ITS
DECK MEASUREMENTS: 09/17/2007 SW CL
REPRINTED: 11/05/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CBC 24"

2 CENTER INNAGE TABLE

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

FORMERLY "GBL 1310 and KIRBY 10564"

GAUGE HEIGHT 16'-10 5/8"

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	1.10	0	207.22	0	456.44	0	705.29	0	954.46	0	1,203.69	0	1,452.93	0	1,702.17	0	1,951.41	0	2,200.65
1/4	2.05	1/4	212.41	1/4	461.63	1/4	710.47	1/4	959.65	1/4	1,208.88	1/4	1,458.12	1/4	1,707.36	1/4	1,956.60	1/4	2,205.84
1/2	3.00	1/2	217.60	1/2	466.82	1/2	715.66	1/2	964.85	1/2	1,214.08	1/2	1,463.32	1/2	1,712.56	1/2	1,961.80	1/2	2,211.04
3/4	3.95	3/4	222.79	3/4	472.01	3/4	720.84	3/4	970.04	3/4	1,219.27	3/4	1,468.51	3/4	1,717.75	3/4	1,966.99	3/4	2,216.23
1	5.33	1	227.98	1	477.20	1	726.02	1	975.23	1	1,224.46	1	1,473.70	1	1,722.94	1	1,972.18	1	2,221.42
1/4	7.57	1/4	233.17	1/4	482.39	1/4	731.21	1/4	980.42	1/4	1,229.65	1/4	1,478.89	1/4	1,728.13	1/4	1,977.37	1/4	2,226.61
1/2	10.24	1/2	238.37	1/2	487.58	1/2	736.39	1/2	985.62	1/2	1,234.85	1/2	1,484.09	1/2	1,733.33	1/2	1,982.57	1/2	2,231.81
3/4	12.90	3/4	243.56	3/4	492.77	3/4	741.58	3/4	990.81	3/4	1,240.04	3/4	1,489.28	3/4	1,738.52	3/4	1,987.76	3/4	2,237.00
2	15.93	2	248.75	2	497.96	2	746.76	2	996.00	2	1,245.23	2	1,494.47	2	1,743.71	2	1,992.95	2	2,242.19
1/4	19.68	1/4	253.94	1/4	503.15	1/4	751.95	1/4	1,001.19	1/4	1,250.42	1/4	1,499.66	1/4	1,748.90	1/4	1,998.14	1/4	2,247.38
1/2	23.78	1/2	259.14	1/2	508.35	1/2	757.15	1/2	1,006.38	1/2	1,255.62	1/2	1,504.86	1/2	1,754.10	1/2	2,003.34	1/2	2,252.58
3/4	27.89	3/4	264.33	3/4	513.54	3/4	762.34	3/4	1,011.57	3/4	1,260.81	3/4	1,510.05	3/4	1,759.29	3/4	2,008.53	3/4	2,257.77
3	32.08	3	269.52	3	518.73	3	767.53	3	1,016.76	3	1,266.00	3	1,515.24	3	1,764.48	3	2,013.72	3	2,262.96
1/4	36.47	1/4	274.71	1/4	523.92	1/4	772.72	1/4	1,021.95	1/4	1,271.19	1/4	1,520.43	1/4	1,769.67	1/4	2,018.92	1/4	2,268.15
1/2	40.95	1/2	279.91	1/2	529.11	1/2	777.92	1/2	1,027.15	1/2	1,276.39	1/2	1,525.63	1/2	1,774.87	1/2	2,024.11	1/2	2,273.35
3/4	45.42	3/4	285.10	3/4	534.29	3/4	783.11	3/4	1,032.34	3/4	1,281.58	3/4	1,530.82	3/4	1,780.06	3/4	2,029.31	3/4	2,278.54
4	49.84	4	290.29	4	539.48	4	788.30	4	1,037.53	4	1,286.77	4	1,536.01	4	1,785.25	4	2,034.50	4	2,283.73
1/4	54.13	1/4	295.48	1/4	544.66	1/4	793.49	1/4	1,042.72	1/4	1,291.96	1/4	1,541.20	1/4	1,790.44	1/4	2,039.69	1/4	2,288.92
1/2	58.37	1/2	300.68	1/2	549.85	1/2	798.69	1/2	1,047.92	1/2	1,297.16	1/2	1,546.40	1/2	1,795.64	1/2	2,044.89	1/2	2,294.11
3/4	62.60	3/4	305.87	3/4	555.03	3/4	803.88	3/4	1,053.11	3/4	1,302.35	3/4	1,551.59	3/4	1,800.83	3/4	2,050.08	3/4	2,299.30
5	66.86	5	311.06	5	560.21	5	809.07	5	1,058.30	5	1,307.54	5	1,556.78	5	1,806.02	5	2,055.27	5	2,304.49
1/4	71.18	1/4	316.25	1/4	565.39	1/4	814.26	1/4	1,063.49	1/4	1,312.73	1/4	1,561.97	1/4	1,811.21	1/4	2,060.46	1/4	2,309.68
1/2	75.54	1/2	321.45	1/2	570.58	1/2	819.46	1/2	1,068.69	1/2	1,317.93	1/2	1,567.16	1/2	1,816.41	1/2	2,065.66	1/2	2,314.88
3/4	79.89	3/4	326.64	3/4	575.76	3/4	824.65	3/4	1,073.88	3/4	1,323.12	3/4	1,572.35	3/4	1,821.60	3/4	2,070.85	3/4	2,320.07
6	84.35	6	331.83	6	580.94	6	829.84	6	1,079.07	6	1,328.31	6	1,577.54	6	1,826.79	6	2,076.04	6	2,325.26
1/4	89.02	1/4	337.02	1/4	586.12	1/4	835.03	1/4	1,084.26	1/4	1,333.50	1/4	1,582.73	1/4	1,831.98	1/4	2,081.23	1/4	2,330.45
1/2	93.81	1/2	342.21	1/2	591.30	1/2	840.23	1/2	1,089.46	1/2	1,338.70	1/2	1,587.93	1/2	1,837.18	1/2	2,086.43	1/2	2,335.65
3/4	98.59	3/4	347.40	3/4	596.48	3/4	845.42	3/4	1,094.65	3/4	1,343.89	3/4	1,593.12	3/4	1,842.37	3/4	2,091.62	3/4	2,340.84
7	103.47	7	352.59	7	601.66	7	850.61	7	1,099.84	7	1,349.08	7	1,598.31	7	1,847.56	7	2,096.81	7	2,346.03
1/4	108.56	1/4	357.78	1/4	606.84	1/4	855.80	1/4	1,105.03	1/4	1,354.27	1/4	1,603.50	1/4	1,852.75	1/4	2,102.00	1/4	2,351.22
1/2	113.76	1/2	362.98	1/2	612.03	1/2	861.00	1/2	1,110.23	1/2	1,359.47	1/2	1,608.70	1/2	1,857.95	1/2	2,107.20	1/2	2,356.42
3/4	118.95	3/4	368.17	3/4	617.21	3/4	866.19	3/4	1,115.42	3/4	1,364.66	3/4	1,613.89	3/4	1,863.14	3/4	2,112.39	3/4	2,361.61
8	124.14	8	373.36	8	622.39	8	871.38	8	1,120.61	8	1,369.85	8	1,619.08	8	1,868.33	8	2,117.58	8	2,366.80
1/4	129.33	1/4	378.55	1/4	627.57	1/4	876.57	1/4	1,125.80	1/4	1,375.04	1/4	1,624.27	1/4	1,873.52	1/4	2,122.77	1/4	2,371.99
1/2	134.53	1/2	383.75	1/2	632.76	1/2	881.77	1/2	1,131.00	1/2	1,380.24	1/2	1,629.47	1/2	1,878.72	1/2	2,127.97	1/2	2,377.19
3/4	139.72	3/4	388.94	3/4	637.94	3/4	886.96	3/4	1,136.19	3/4	1,385.43	3/4	1,634.66	3/4	1,883.91	3/4	2,133.16	3/4	2,382.38
9	144.91	9	394.13	9	643.12	9	892.15	9	1,141.38	9	1,390.62	9	1,639.85	9	1,889.10	9	2,138.35	9	2,387.57
1/4	150.10	1/4	399.32	1/4	648.30	1/4	897.34	1/4	1,146.57	1/4	1,395.81	1/4	1,645.05	1/4	1,894.29	1/4	2,143.54	1/4	2,392.76
1/2	155.30	1/2	404.52	1/2	653.48	1/2	902.54	1/2	1,151.77	1/2	1,401.01	1/2	1,650.24	1/2	1,899.49	1/2	2,148.74	1/2	2,397.95
3/4	160.49	3/4	409.71	3/4	658.66	3/4	907.73	3/4	1,156.96	3/4	1,406.20	3/4	1,655.44	3/4	1,904.68	3/4	2,153.93	3/4	2,403.14
10	165.68	10	414.90	10	663.84	10	912.92	10	1,162.15	10	1,411.39	10	1,660.63	10	1,909.87	10	2,159.12	10	2,408.33
1/4	170.87	1/4	420.09	1/4	669.02	1/4	918.11	1/4	1,167.34	1/4	1,416.58	1/4	1,665.82	1/4	1,915.06	1/4	2,164.31	1/4	2,413.52
1/2	176.07	1/2	425.29	1/2	674.21	1/2	923.31	1/2	1,172.54	1/2	1,421.78	1/2	1,671.02	1/2	1,920.26	1/2	2,169.51	1/2	2,418.72
3/4	181.26	3/4	430.48	3/4	679.39	3/4	928.50	3/4	1,177.73	3/4	1,426.97	3/4	1,676.21	3/4	1,925.45	3/4	2,174.70	3/4	2,423.91
11	186.45	11	435.67	11	684.57	11	933.69	11	1,182.92	11	1,432.16	11	1,681.40	11	1,930.64	11	2,179.89	11	2,429.10
1/4	191.64	1/4	440.86	1/4	689.75	1/4	938.88	1/4	1,188.11	1/4	1,437.35	1/4	1,686.59	1/4	1,935.83	1/4	2,185.08	1/4	2,434.29
1/2	196.84	1/2	446.06	1/2	694.93	1/2	944.08	1/2	1,193.31	1/2	1,442.55	1/2	1,691.79	1/2	1,941.03	1/2	2,190.27	1/2	2,439.49
3/4	202.03	3/4	451.25	3/4	700.11	3/4	949.27	3/4	1,198.50	3/4	1,447.74	3/4	1,696.98	3/4	1,946.22	3/4	2,195.46	3/4	2,444.68

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TOP OF THREAD ON MMC VALVE.

GAUGE POINT: (MMC) LOCATED 01'-00" OFF CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 24"

2 CENTER INNAGE TABLE

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

FORMERLY "GBL 1310 and KIRBY 10564"

GAUGE HEIGHT 16'-10 5/8"

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	2,449.87	0	2,699.09	0	2,948.31	0	3,197.59	0	3,446.88	0		0		0		0		0	
1/4	2,455.06	1/4	2,704.28	1/4	2,953.50	1/4	3,202.79	1/4	3,452.07	1/4		1/4		1/4		1/4		1/4	
1/2	2,460.26	1/2	2,709.48	1/2	2,958.70	1/2	3,207.98	1/2	3,457.27	1/2		1/2		1/2		1/2		1/2	
3/4	2,465.45	3/4	2,714.67	3/4	2,963.89	3/4	3,213.18	3/4	3,462.46	3/4		3/4		3/4		3/4		3/4	
1	2,470.64	1	2,719.86	1	2,969.08	1	3,218.37	1	3,467.65	1		1		1		1		1	
1/4	2,475.83	1/4	2,725.05	1/4	2,974.27	1/4	3,223.56	1/4	3,472.84	1/4		1/4		1/4		1/4		1/4	
1/2	2,481.03	1/2	2,730.24	1/2	2,979.47	1/2	3,228.76	1/2	3,478.04	1/2		1/2		1/2		1/2		1/2	
3/4	2,486.22	3/4	2,735.43	3/4	2,984.66	3/4	3,233.95	3/4	3,483.23	3/4		3/4		3/4		3/4		3/4	
2	2,491.41	2	2,740.62	2	2,989.85	2	3,239.14	2	3,488.38	2		2		2		2		2	
1/4	2,496.60	1/4	2,745.81	1/4	2,995.05	1/4	3,244.33	1/4	3,493.46	1/4		1/4		1/4		1/4		1/4	
1/2	2,501.80	1/2	2,751.01	1/2	3,000.24	1/2	3,249.53	1/2	3,498.51	1/2		1/2		1/2		1/2		1/2	
3/4	2,506.99	3/4	2,756.20	3/4	3,005.44	3/4	3,254.72	3/4	3,503.55	3/4		3/4		3/4		3/4		3/4	
3	2,512.18	3	2,761.39	3	3,010.63	3	3,259.91	3	3,508.42	3		3		3		3		3	
1/4	2,517.37	1/4	2,766.58	1/4	3,015.82	1/4	3,265.11	1/4	3,512.93	1/4		1/4		1/4		1/4		1/4	
1/2	2,522.56	1/2	2,771.78	1/2	3,021.02	1/2	3,270.30	1/2	3,517.26	1/2		1/2		1/2		1/2		1/2	
3/4	2,527.75	3/4	2,776.97	3/4	3,026.21	3/4	3,275.50	3/4	3,521.58	3/4		3/4		3/4		3/4		3/4	
4	2,532.94	4	2,782.16	4	3,031.40	4	3,280.69	4	3,525.72	4		4		4		4		4	
1/4	2,538.13	1/4	2,787.35	1/4	3,036.59	1/4	3,285.88	1/4	3,529.47	1/4		1/4		1/4		1/4		1/4	
1/2	2,543.33	1/2	2,792.55	1/2	3,041.79	1/2	3,291.08	1/2	3,533.03	1/2		1/2		1/2		1/2		1/2	
3/4	2,548.52	3/4	2,797.74	3/4	3,046.98	3/4	3,296.27	3/4	3,536.58	3/4		3/4		3/4		3/4		3/4	
5	2,553.71	5	2,802.93	5	3,052.18	5	3,301.46	5	3,539.95	5		5		5		5		5	
1/4	2,558.90	1/4	2,808.12	1/4	3,057.37	1/4	3,306.65	1/4	3,542.93	1/4		1/4		1/4		1/4		1/4	
1/2	2,564.10	1/2	2,813.32	1/2	3,062.57	1/2	3,311.85	1/2	3,545.72	1/2		1/2		1/2		1/2		1/2	
3/4	2,569.29	3/4	2,818.51	3/4	3,067.76	3/4	3,317.04	3/4	3,548.51	3/4		3/4		3/4		3/4		3/4	
6	2,574.48	6	2,823.70	6	3,072.95	6	3,322.23	6	3,551.11	6		6		6		6		6	
1/4	2,579.67	1/4	2,828.89	1/4	3,078.14	1/4	3,327.43	1/4	3,553.32	1/4		1/4		1/4		1/4		1/4	
1/2	2,584.87	1/2	2,834.08	1/2	3,083.34	1/2	3,332.62	1/2	3,555.34	1/2		1/2		1/2		1/2		1/2	
3/4	2,590.06	3/4	2,839.27	3/4	3,088.53	3/4	3,337.82	3/4	3,557.36	3/4		3/4		3/4		3/4		3/4	
7	2,595.25	7	2,844.46	7	3,093.72	7	3,343.01	7	3,559.19	7		7		7		7		7	
1/4	2,600.44	1/4	2,849.65	1/4	3,098.91	1/4	3,348.20	1/4	3,560.63	1/4		1/4		1/4		1/4		1/4	
1/2	2,605.64	1/2	2,854.85	1/2	3,104.11	1/2	3,353.40	1/2	3,561.88	1/2		1/2		1/2		1/2		1/2	
3/4	2,610.83	3/4	2,860.04	3/4	3,109.30	3/4	3,358.59	3/4	3,563.13	3/4		3/4		3/4		3/4		3/4	
8	2,616.02	8	2,865.23	8	3,114.50	8	3,363.78	8	3,564.20	8		8		8		8		8	
1/4	2,621.21	1/4	2,870.42	1/4	3,119.69	1/4	3,368.97	1/4	3,564.91	1/4		1/4		1/4		1/4		1/4	
1/2	2,626.40	1/2	2,875.62	1/2	3,124.89	1/2	3,374.17	1/2	3,565.44	1/2		1/2		1/2		1/2		1/2	
3/4	2,631.59	3/4	2,880.81	3/4	3,130.08	3/4	3,379.36	3/4	3,565.97	3/4		3/4		3/4		3/4		3/4	
9	2,636.78	9	2,886.00	9	3,135.27	9	3,384.56	9	3,566.23	9		9		9		9		9	
1/4	2,641.97	1/4	2,891.19	1/4	3,140.46	1/4	3,389.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,647.17	1/2	2,896.39	1/2	3,145.66	1/2	3,394.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,652.36	3/4	2,901.58	3/4	3,150.85	3/4	3,400.14	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,657.55	10	2,906.77	10	3,156.04	10	3,405.33	10		10		10		10		10		10	
1/4	2,662.74	1/4	2,911.96	1/4	3,161.23	1/4	3,410.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,667.94	1/2	2,917.16	1/2	3,166.43	1/2	3,415.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,673.13	3/4	2,922.35	3/4	3,171.62	3/4	3,420.91	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,678.32	11	2,927.54	11	3,176.82	11	3,426.10	11		11		11		11		11		11	
1/4	2,683.51	1/4	2,932.73	1/4	3,182.01	1/4	3,431.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,688.71	1/2	2,937.93	1/2	3,187.21	1/2	3,436.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,693.90	3/4	2,943.12	3/4	3,192.40	3/4	3,441.68	3/4		3/4		3/4		3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 24"

3 CENTER INNAGE TABLE

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

FORMERLY "GBL 1310 and KIRBY 10564"

GAUGE HEIGHT 16'-10 5/8"

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	1.11	0	207.42	0	456.86	0	705.94	0	955.32	0	1,204.78	0	1,454.24	0	1,703.70	0	1,953.17	0	2,202.63
1/4	2.06	1/4	212.62	1/4	462.06	1/4	711.13	1/4	960.52	1/4	1,209.98	1/4	1,459.44	1/4	1,708.90	1/4	1,958.37	1/4	2,207.83
1/2	3.01	1/2	217.82	1/2	467.25	1/2	716.32	1/2	965.72	1/2	1,215.18	1/2	1,464.64	1/2	1,714.10	1/2	1,963.56	1/2	2,213.02
3/4	3.96	3/4	223.01	3/4	472.45	3/4	721.50	3/4	970.91	3/4	1,220.37	3/4	1,469.83	3/4	1,719.29	3/4	1,968.76	3/4	2,218.22
1	5.34	1	228.21	1	477.64	1	726.69	1	976.11	1	1,225.57	1	1,475.03	1	1,724.49	1	1,973.95	1	2,223.41
1/4	7.58	1/4	233.41	1/4	482.84	1/4	731.88	1/4	981.31	1/4	1,230.77	1/4	1,480.23	1/4	1,729.69	1/4	1,979.15	1/4	2,228.61
1/2	10.25	1/2	238.60	1/2	488.04	1/2	737.07	1/2	986.51	1/2	1,235.97	1/2	1,485.42	1/2	1,734.89	1/2	1,984.35	1/2	2,233.81
3/4	12.92	3/4	243.80	3/4	493.23	3/4	742.25	3/4	991.70	3/4	1,241.16	3/4	1,490.62	3/4	1,740.08	3/4	1,989.54	3/4	2,239.00
2	15.95	2	248.99	2	498.43	2	747.44	2	996.90	2	1,246.36	2	1,495.81	2	1,745.28	2	1,994.74	2	2,244.20
1/4	19.70	1/4	254.19	1/4	503.63	1/4	752.64	1/4	1,002.10	1/4	1,251.56	1/4	1,501.01	1/4	1,750.48	1/4	1,999.94	1/4	2,249.40
1/2	23.81	1/2	259.39	1/2	508.82	1/2	757.84	1/2	1,007.30	1/2	1,256.76	1/2	1,506.21	1/2	1,755.67	1/2	2,005.14	1/2	2,254.60
3/4	27.91	3/4	264.58	3/4	514.02	3/4	763.03	3/4	1,012.49	3/4	1,261.95	3/4	1,511.40	3/4	1,760.87	3/4	2,010.33	3/4	2,259.79
3	32.11	3	269.78	3	519.21	3	768.23	3	1,017.69	3	1,267.15	3	1,516.60	3	1,766.06	3	2,015.53	3	2,264.99
1/4	36.50	1/4	274.98	1/4	524.40	1/4	773.43	1/4	1,022.89	1/4	1,272.35	1/4	1,521.80	1/4	1,771.26	1/4	2,020.73	1/4	2,270.19
1/2	40.99	1/2	280.18	1/2	529.60	1/2	778.63	1/2	1,028.09	1/2	1,277.54	1/2	1,527.00	1/2	1,776.46	1/2	2,025.93	1/2	2,275.38
3/4	45.47	3/4	285.37	3/4	534.79	3/4	783.82	3/4	1,033.28	3/4	1,282.74	3/4	1,532.19	3/4	1,781.65	3/4	2,031.12	3/4	2,280.58
4	49.89	4	290.57	4	539.98	4	789.02	4	1,038.48	4	1,287.93	4	1,537.39	4	1,786.85	4	2,036.32	4	2,285.77
1/4	54.19	1/4	295.77	1/4	545.17	1/4	794.22	1/4	1,043.68	1/4	1,293.13	1/4	1,542.59	1/4	1,792.05	1/4	2,041.52	1/4	2,290.97
1/2	58.43	1/2	300.96	1/2	550.36	1/2	799.42	1/2	1,048.87	1/2	1,298.33	1/2	1,547.79	1/2	1,797.25	1/2	2,046.72	1/2	2,296.17
3/4	62.66	3/4	306.16	3/4	555.54	3/4	804.61	3/4	1,054.07	3/4	1,303.52	3/4	1,552.98	3/4	1,802.44	3/4	2,051.91	3/4	2,301.36
5	66.93	5	311.35	5	560.73	5	809.81	5	1,059.26	5	1,308.72	5	1,558.18	5	1,807.64	5	2,057.11	5	2,306.56
1/4	71.26	1/4	316.55	1/4	565.92	1/4	815.01	1/4	1,064.46	1/4	1,313.92	1/4	1,563.38	1/4	1,812.84	1/4	2,062.31	1/4	2,311.76
1/2	75.62	1/2	321.75	1/2	571.10	1/2	820.20	1/2	1,069.66	1/2	1,319.12	1/2	1,568.58	1/2	1,818.04	1/2	2,067.51	1/2	2,316.96
3/4	79.97	3/4	326.94	3/4	576.29	3/4	825.40	3/4	1,074.85	3/4	1,324.31	3/4	1,573.77	3/4	1,823.23	3/4	2,072.70	3/4	2,322.15
6	84.44	6	332.14	6	581.47	6	830.59	6	1,080.05	6	1,329.51	6	1,578.97	6	1,828.43	6	2,077.90	6	2,327.35
1/4	89.12	1/4	337.34	1/4	586.66	1/4	835.79	1/4	1,085.25	1/4	1,334.71	1/4	1,584.17	1/4	1,833.63	1/4	2,083.10	1/4	2,332.55
1/2	93.91	1/2	342.54	1/2	591.85	1/2	840.99	1/2	1,090.45	1/2	1,339.91	1/2	1,589.36	1/2	1,838.83	1/2	2,088.30	1/2	2,337.74
3/4	98.69	3/4	347.73	3/4	597.03	3/4	846.18	3/4	1,095.64	3/4	1,345.10	3/4	1,594.56	3/4	1,844.02	3/4	2,093.49	3/4	2,342.94
7	103.58	7	352.93	7	602.22	7	851.38	7	1,100.84	7	1,350.30	7	1,599.75	7	1,849.22	7	2,098.69	7	2,348.13
1/4	108.68	1/4	358.13	1/4	607.41	1/4	856.58	1/4	1,106.04	1/4	1,355.50	1/4	1,604.95	1/4	1,854.42	1/4	2,103.89	1/4	2,353.33
1/2	113.88	1/2	363.32	1/2	612.59	1/2	861.78	1/2	1,111.24	1/2	1,360.70	1/2	1,610.15	1/2	1,859.62	1/2	2,109.09	1/2	2,358.53
3/4	119.07	3/4	368.52	3/4	617.78	3/4	866.97	3/4	1,116.43	3/4	1,365.89	3/4	1,615.34	3/4	1,864.81	3/4	2,114.28	3/4	2,363.72
8	124.27	8	373.71	8	622.96	8	872.17	8	1,121.63	8	1,371.09	8	1,620.54	8	1,870.01	8	2,119.48	8	2,368.92
1/4	129.47	1/4	378.91	1/4	628.15	1/4	877.37	1/4	1,126.83	1/4	1,376.29	1/4	1,625.74	1/4	1,875.21	1/4	2,124.68	1/4	2,374.12
1/2	134.67	1/2	384.11	1/2	633.34	1/2	882.57	1/2	1,132.03	1/2	1,381.48	1/2	1,630.94	1/2	1,880.41	1/2	2,129.88	1/2	2,379.32
3/4	139.86	3/4	389.30	3/4	638.52	3/4	887.76	3/4	1,137.22	3/4	1,386.68	3/4	1,636.13	3/4	1,885.60	3/4	2,135.07	3/4	2,384.51
9	145.06	9	394.50	9	643.71	9	892.96	9	1,142.42	9	1,391.87	9	1,641.33	9	1,890.80	9	2,140.27	9	2,389.71
1/4	150.26	1/4	399.70	1/4	648.90	1/4	898.16	1/4	1,147.62	1/4	1,397.07	1/4	1,646.53	1/4	1,896.00	1/4	2,145.47	1/4	2,394.91
1/2	155.46	1/2	404.90	1/2	654.08	1/2	903.36	1/2	1,152.82	1/2	1,402.27	1/2	1,651.73	1/2	1,901.20	1/2	2,150.67	1/2	2,400.10
3/4	160.65	3/4	410.09	3/4	659.27	3/4	908.55	3/4	1,158.01	3/4	1,407.46	3/4	1,656.92	3/4	1,906.39	3/4	2,155.86	3/4	2,405.30
10	165.85	10	415.29	10	664.45	10	913.75	10	1,163.21	10	1,412.66	10	1,662.12	10	1,911.59	10	2,161.06	10	2,410.49
1/4	171.05	1/4	420.49	1/4	669.64	1/4	918.95	1/4	1,168.41	1/4	1,417.86	1/4	1,667.32	1/4	1,916.79	1/4	2,166.26	1/4	2,415.69
1/2	176.24	1/2	425.69	1/2	674.83	1/2	924.14	1/2	1,173.60	1/2	1,423.06	1/2	1,672.52	1/2	1,921.99	1/2	2,171.45	1/2	2,420.89
3/4	181.44	3/4	430.88	3/4	680.01	3/4	929.34	3/4	1,178.80	3/4	1,428.25	3/4	1,677.71	3/4	1,927.18	3/4	2,176.65	3/4	2,426.08
11	186.63	11	436.08	11	685.20	11	934.53	11	1,183.99	11	1,433.45	11	1,682.91	11	1,932.38	11	2,181.84	11	2,431.28
1/4	191.83	1/4	441.28	1/4	690.39	1/4	939.73	1/4	1,189.19	1/4	1,438.65	1/4	1,688.11	1/4	1,937.58	1/4	2,187.04	1/4	2,436.48
1/2	197.03	1/2	446.47	1/2	695.57	1/2	944.93	1/2	1,194.39	1/2	1,443.85	1/2	1,693.31	1/2	1,942.78	1/2	2,192.24	1/2	2,441.68
3/4	202.22	3/4	451.67	3/4	700.76	3/4	950.12	3/4	1,199.58	3/4	1,449.04	3/4	1,698.50	3/4	1,947.97	3/4	2,197.43	3/4	2,446.87

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TOP OF THREAD ON MMC VALVE.

GAUGE POINT: (MMC) LOCATED 01'-00" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 24"

3 CENTER INNAGE TABLE

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

FORMERLY "GBL 1310 and KIRBY 10564"

GAUGE HEIGHT 16'-10 5/8"

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	2,452.07	0	2,701.50	0	2,950.94	0	3,200.45	0	3,449.96	0		0		0		0		0	
1/4	2,457.27	1/4	2,706.70	1/4	2,956.14	1/4	3,205.65	1/4	3,455.16	1/4		1/4		1/4		1/4		1/4	
1/2	2,462.46	1/2	2,711.90	1/2	2,961.34	1/2	3,210.85	1/2	3,460.36	1/2		1/2		1/2		1/2		1/2	
3/4	2,467.66	3/4	2,717.09	3/4	2,966.54	3/4	3,216.04	3/4	3,465.55	3/4		3/4		3/4		3/4		3/4	
1	2,472.85	1	2,722.29	1	2,971.74	1	3,221.24	1	3,470.75	1		1		1		1		1	
1/4	2,478.05	1/4	2,727.49	1/4	2,976.94	1/4	3,226.44	1/4	3,475.95	1/4		1/4		1/4		1/4		1/4	
1/2	2,483.25	1/2	2,732.69	1/2	2,982.14	1/2	3,231.64	1/2	3,481.15	1/2		1/2		1/2		1/2		1/2	
3/4	2,488.44	3/4	2,737.88	3/4	2,987.33	3/4	3,236.84	3/4	3,486.34	3/4		3/4		3/4		3/4		3/4	
2	2,493.64	2	2,743.08	2	2,992.53	2	3,242.04	2	3,491.53	2		2		2		2		2	
1/4	2,498.84	1/4	2,748.28	1/4	2,997.73	1/4	3,247.24	1/4	3,496.69	1/4		1/4		1/4		1/4		1/4	
1/2	2,504.04	1/2	2,753.47	1/2	3,002.93	1/2	3,252.44	1/2	3,501.83	1/2		1/2		1/2		1/2		1/2	
3/4	2,509.23	3/4	2,758.67	3/4	3,008.12	3/4	3,257.63	3/4	3,506.98	3/4		3/4		3/4		3/4		3/4	
3	2,514.43	3	2,763.86	3	3,013.32	3	3,262.83	3	3,511.97	3		3		3		3		3	
1/4	2,519.63	1/4	2,769.06	1/4	3,018.52	1/4	3,268.03	1/4	3,516.65	1/4		1/4		1/4		1/4		1/4	
1/2	2,524.82	1/2	2,774.26	1/2	3,023.72	1/2	3,273.23	1/2	3,521.17	1/2		1/2		1/2		1/2		1/2	
3/4	2,530.02	3/4	2,779.45	3/4	3,028.91	3/4	3,278.42	3/4	3,525.70	3/4		3/4		3/4		3/4		3/4	
4	2,535.21	4	2,784.65	4	3,034.11	4	3,283.62	4	3,530.03	4		4		4		4		4	
1/4	2,540.41	1/4	2,789.85	1/4	3,039.31	1/4	3,288.82	1/4	3,533.97	1/4		1/4		1/4		1/4		1/4	
1/2	2,545.61	1/2	2,795.05	1/2	3,044.51	1/2	3,294.02	1/2	3,537.73	1/2		1/2		1/2		1/2		1/2	
3/4	2,550.80	3/4	2,800.24	3/4	3,049.71	3/4	3,299.21	3/4	3,541.48	3/4		3/4		3/4		3/4		3/4	
5	2,556.00	5	2,805.44	5	3,054.91	5	3,304.41	5	3,545.04	5		5		5		5		5	
1/4	2,561.20	1/4	2,810.64	1/4	3,060.11	1/4	3,309.61	1/4	3,548.22	1/4		1/4		1/4		1/4		1/4	
1/2	2,566.40	1/2	2,815.83	1/2	3,065.31	1/2	3,314.81	1/2	3,551.20	1/2		1/2		1/2		1/2		1/2	
3/4	2,571.59	3/4	2,821.03	3/4	3,070.50	3/4	3,320.00	3/4	3,554.19	3/4		3/4		3/4		3/4		3/4	
6	2,576.79	6	2,826.22	6	3,075.70	6	3,325.20	6	3,556.98	6		6		6		6		6	
1/4	2,581.99	1/4	2,831.42	1/4	3,080.90	1/4	3,330.40	1/4	3,559.39	1/4		1/4		1/4		1/4		1/4	
1/2	2,587.18	1/2	2,836.62	1/2	3,086.10	1/2	3,335.60	1/2	3,561.60	1/2		1/2		1/2		1/2		1/2	
3/4	2,592.38	3/4	2,841.81	3/4	3,091.29	3/4	3,340.80	3/4	3,563.82	3/4		3/4		3/4		3/4		3/4	
7	2,597.57	7	2,847.01	7	3,096.49	7	3,346.00	7	3,565.84	7		7		7		7		7	
1/4	2,602.77	1/4	2,852.21	1/4	3,101.69	1/4	3,351.20	1/4	3,567.47	1/4		1/4		1/4		1/4		1/4	
1/2	2,607.97	1/2	2,857.41	1/2	3,106.89	1/2	3,356.40	1/2	3,568.92	1/2		1/2		1/2		1/2		1/2	
3/4	2,613.16	3/4	2,862.60	3/4	3,112.08	3/4	3,361.59	3/4	3,570.36	3/4		3/4		3/4		3/4		3/4	
8	2,618.36	8	2,867.80	8	3,117.28	8	3,366.79	8	3,571.62	8		8		8		8		8	
1/4	2,623.56	1/4	2,873.00	1/4	3,122.48	1/4	3,371.99	1/4	3,572.52	1/4		1/4		1/4		1/4		1/4	
1/2	2,628.75	1/2	2,878.19	1/2	3,127.68	1/2	3,377.19	1/2	3,573.25	1/2		1/2		1/2		1/2		1/2	
3/4	2,633.95	3/4	2,883.39	3/4	3,132.87	3/4	3,382.38	3/4	3,573.97	3/4		3/4		3/4		3/4		3/4	
9	2,639.14	9	2,888.58	9	3,138.07	9	3,387.58	9	3,574.33	9		9		9		9		9	
1/4	2,644.34	1/4	2,893.78	1/4	3,143.27	1/4	3,392.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,649.54	1/2	2,898.98	1/2	3,148.47	1/2	3,397.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,654.73	3/4	2,904.17	3/4	3,153.67	3/4	3,403.17	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,659.93	10	2,909.37	10	3,158.87	10	3,408.37	10		10		10		10		10		10	
1/4	2,665.13	1/4	2,914.57	1/4	3,164.07	1/4	3,413.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,670.33	1/2	2,919.77	1/2	3,169.27	1/2	3,418.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,675.52	3/4	2,924.96	3/4	3,174.46	3/4	3,423.97	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,680.72	11	2,930.16	11	3,179.66	11	3,429.17	11		11		11		11		11		11	
1/4	2,685.92	1/4	2,935.36	1/4	3,184.86	1/4	3,434.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,691.11	1/2	2,940.55	1/2	3,190.06	1/2	3,439.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,696.31	3/4	2,945.75	3/4	3,195.25	3/4	3,444.76	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 01/29/1999 ITS
DECK MEASUREMENTS: 09/17/2007 SW CL
REPRINTED: 11/05/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 24"

ULLAGE TRIM TABLE

FORMERLY "GBL 1310 and KIRBY 10564"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
2 CENTER	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2	01-7/8	- 01-7/8
3 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

(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 - 00-5/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 157'-00"

September 17, 2007

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

<http://www.pmacorp.net>



BARGE "CBC 24"

1 CENTER ULLAGE TABLE

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

FORMERLY "GBL 1310 and KIRBY 10564"

GAUGE HEIGHT 16'-10 1/8"

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	3,339.17	0	3,108.75	0	2,878.34	0	2,647.93	0	2,405.43	0	2,156.58	0	1,907.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,334.37	1/4	3,103.95	1/4	2,873.54	1/4	2,643.13	1/4	2,400.24	1/4	2,151.40	1/4	1,902.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,329.57	1/2	3,099.15	1/2	2,868.74	1/2	2,638.33	1/2	2,395.06	1/2	2,146.21	1/2	1,897.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,324.77	3/4	3,094.35	3/4	2,863.94	3/4	2,633.53	3/4	2,389.87	3/4	2,141.03	3/4	1,892.15
1		1		1 1/8		1	3,492.42	1	3,319.97	1	3,089.55	1	2,859.14	1	2,628.73	1	2,384.69	1	2,135.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,492.09	1/4	3,315.17	1/4	3,084.75	1/4	2,854.34	1/4	2,623.93	1/4	2,379.50	1/4	2,130.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,491.42	1/2	3,310.37	1/2	3,079.95	1/2	2,849.54	1/2	2,619.13	1/2	2,374.32	1/2	2,125.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,490.76	3/4	3,305.57	3/4	3,075.15	3/4	2,844.74	3/4	2,614.33	3/4	2,369.13	3/4	2,120.29
2		2		2		2	3,489.92	2	3,300.77	2	3,070.35	2	2,839.94	2	2,609.53	2	2,363.95	2	2,115.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,488.76	1/4	3,295.97	1/4	3,065.55	1/4	2,835.14	1/4	2,604.73	1/4	2,358.76	1/4	2,109.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,487.42	1/2	3,291.17	1/2	3,060.75	1/2	2,830.34	1/2	2,599.93	1/2	2,353.58	1/2	2,104.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,486.09	3/4	3,286.37	3/4	3,055.95	3/4	2,825.54	3/4	2,595.13	3/4	2,348.39	3/4	2,099.55
3		3		3		3	3,484.58	3	3,281.57	3	3,051.15	3	2,820.74	3	2,590.33	3	2,343.21	3	2,094.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,482.72	1/4	3,276.77	1/4	3,046.35	1/4	2,815.94	1/4	2,585.53	1/4	2,338.03	1/4	2,089.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,480.67	1/2	3,271.97	1/2	3,041.55	1/2	2,811.14	1/2	2,580.73	1/2	2,332.84	1/2	2,083.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,478.63	3/4	3,267.17	3/4	3,036.75	3/4	2,806.34	3/4	2,575.93	3/4	2,327.66	3/4	2,078.81
4		4		4		4	3,476.40	4	3,262.37	4	3,031.95	4	2,801.54	4	2,571.05	4	2,322.48	4	2,073.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,473.83	1/4	3,257.57	1/4	3,027.15	1/4	2,796.74	1/4	2,565.99	1/4	2,317.30	1/4	2,068.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,471.07	1/2	3,252.76	1/2	3,022.35	1/2	2,791.94	1/2	2,560.85	1/2	2,312.11	1/2	2,063.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,468.32	3/4	3,247.96	3/4	3,017.55	3/4	2,787.14	3/4	2,555.72	3/4	2,306.93	3/4	2,058.07
5		5		5		5	3,465.38	5	3,243.16	5	3,012.75	5	2,782.34	5	2,550.57	5	2,301.74	5	2,052.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,462.09	1/4	3,238.36	1/4	3,007.95	1/4	2,777.54	1/4	2,545.40	1/4	2,296.56	1/4	2,047.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,458.62	1/2	3,233.56	1/2	3,003.15	1/2	2,772.74	1/2	2,540.21	1/2	2,291.37	1/2	2,042.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,455.16	3/4	3,228.76	3/4	2,998.35	3/4	2,767.94	3/4	2,535.03	3/4	2,286.19	3/4	2,037.33
6		6		6		6	3,451.51	6	3,223.96	6	2,993.55	6	2,763.14	6	2,529.85	6	2,281.00	6	2,032.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,447.51	1/4	3,219.16	1/4	2,988.75	1/4	2,758.34	1/4	2,524.66	1/4	2,275.82	1/4	2,026.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,443.33	1/2	3,214.36	1/2	2,983.95	1/2	2,753.54	1/2	2,519.48	1/2	2,270.63	1/2	2,021.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,439.16	3/4	3,209.56	3/4	2,979.15	3/4	2,748.74	3/4	2,514.29	3/4	2,265.45	3/4	2,016.59
7		7		7		7	3,434.84	7	3,204.76	7	2,974.35	7	2,743.94	7	2,509.11	7	2,260.27	7	2,011.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,430.23	1/4	3,199.96	1/4	2,969.55	1/4	2,739.14	1/4	2,503.92	1/4	2,255.08	1/4	2,006.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,425.48	1/2	3,195.16	1/2	2,964.74	1/2	2,734.34	1/2	2,498.74	1/2	2,249.90	1/2	2,001.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,420.73	3/4	3,190.36	3/4	2,959.94	3/4	2,729.54	3/4	2,493.55	3/4	2,244.71	3/4	1,995.85
8		8		8		8	3,415.97	8	3,185.56	8	2,955.14	8	2,724.74	8	2,488.37	8	2,239.53	8	1,990.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,411.18	1/4	3,180.76	1/4	2,950.34	1/4	2,719.94	1/4	2,483.19	1/4	2,234.34	1/4	1,985.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,406.38	1/2	3,175.96	1/2	2,945.54	1/2	2,715.13	1/2	2,478.00	1/2	2,229.16	1/2	1,980.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,401.58	3/4	3,171.16	3/4	2,940.74	3/4	2,710.33	3/4	2,472.82	3/4	2,223.97	3/4	1,975.11
9		9		9		9	3,396.78	9	3,166.36	9	2,935.94	9	2,705.53	9	2,467.64	9	2,218.79	9	1,969.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,391.98	1/4	3,161.56	1/4	2,931.14	1/4	2,700.73	1/4	2,462.46	1/4	2,213.60	1/4	1,964.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,387.17	1/2	3,156.76	1/2	2,926.34	1/2	2,695.93	1/2	2,457.27	1/2	2,208.42	1/2	1,959.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,382.37	3/4	3,151.96	3/4	2,921.54	3/4	2,691.13	3/4	2,452.09	3/4	2,203.23	3/4	1,954.37
10		10		10		10	3,377.57	10	3,147.16	10	2,916.74	10	2,686.33	10	2,446.90	10	2,198.05	10	1,949.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,372.77	1/4	3,142.36	1/4	2,911.94	1/4	2,681.53	1/4	2,441.72	1/4	2,192.87	1/4	1,944.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,367.97	1/2	3,137.56	1/2	2,907.14	1/2	2,676.73	1/2	2,436.53	1/2	2,187.68	1/2	1,938.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,363.17	3/4	3,132.76	3/4	2,902.34	3/4	2,671.93	3/4	2,431.35	3/4	2,182.50	3/4	1,933.63
11		11		11		11	3,358.37	11	3,127.96	11	2,897.54	11	2,667.13	11	2,426.16	11	2,177.32	11	1,928.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,353.57	1/4	3,123.16	1/4	2,892.74	1/4	2,662.33	1/4	2,420.98	1/4	2,172.14	1/4	1,923.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,348.77	1/2	3,118.35	1/2	2,887.94	1/2	2,657.53	1/2	2,415.79	1/2	2,166.95	1/2	1,918.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,343.97	3/4	3,113.55	3/4	2,883.14	3/4	2,652.73	3/4	2,410.61	3/4	2,161.77	3/4	1,912.89

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 "MMC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (MMC TOP OF THREADS) LOCATED 01'-00" OFF CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 24"

1 CENTER ULLAGE TABLE

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

FORMERLY "GBL 1310 and KIRBY 10564"

GAUGE HEIGHT 16'-10 1/8"

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	1,658.83	0	1,409.97	0	1,161.10	0	912.24	0	663.54	0	414.97	0	166.12	0		0			
1/4	1,653.64	1/4	1,404.78	1/4	1,155.92	1/4	907.06	1/4	658.37	1/4	409.78	1/4	160.94	1/4		1/4			
1/2	1,648.46	1/2	1,399.60	1/2	1,150.73	1/2	901.87	1/2	653.19	1/2	404.60	1/2	155.75	1/2		1/2			
3/4	1,643.27	3/4	1,394.41	3/4	1,145.55	3/4	896.69	3/4	648.02	3/4	399.41	3/4	150.57	3/4		3/4			
1	1,638.09	1	1,389.23	1	1,140.36	1	891.50	1	642.84	1	394.23	1	145.38	1		1			
1/4	1,632.90	1/4	1,384.04	1/4	1,135.18	1/4	886.32	1/4	637.67	1/4	389.04	1/4	140.20	1/4		1/4			
1/2	1,627.72	1/2	1,378.86	1/2	1,129.99	1/2	881.13	1/2	632.49	1/2	383.86	1/2	135.01	1/2		1/2			
3/4	1,622.53	3/4	1,373.67	3/4	1,124.81	3/4	875.95	3/4	627.32	3/4	378.67	3/4	129.83	3/4		3/4			
2	1,617.35	2	1,368.49	2	1,119.63	2	870.76	2	622.14	2	373.49	2	124.64	2		2			
1/4	1,612.16	1/4	1,363.30	1/4	1,114.44	1/4	865.58	1/4	616.97	1/4	368.30	1/4	119.46	1/4		1/4			
1/2	1,606.98	1/2	1,358.12	1/2	1,109.26	1/2	860.39	1/2	611.79	1/2	363.12	1/2	114.27	1/2		1/2			
3/4	1,601.79	3/4	1,352.93	3/4	1,104.07	3/4	855.21	3/4	606.62	3/4	357.93	3/4	109.09	3/4		3/4			
3	1,596.61	3	1,347.75	3	1,098.89	3	850.02	3	601.45	3	352.75	3	103.91	3		3			
1/4	1,591.42	1/4	1,342.56	1/4	1,093.70	1/4	844.84	1/4	596.27	1/4	347.57	1/4	98.76	1/4		1/4			
1/2	1,586.24	1/2	1,337.38	1/2	1,088.52	1/2	839.65	1/2	591.10	1/2	342.38	1/2	93.61	1/2		1/2			
3/4	1,581.05	3/4	1,332.19	3/4	1,083.33	3/4	834.47	3/4	585.92	3/4	337.20	3/4	88.47	3/4		3/4			
4	1,575.87	4	1,327.01	4	1,078.15	4	829.28	4	580.75	4	332.02	4	83.36	4		4			
1/4	1,570.69	1/4	1,321.82	1/4	1,072.96	1/4	824.10	1/4	575.58	1/4	326.84	1/4	78.33	1/4		1/4			
1/2	1,565.50	1/2	1,316.64	1/2	1,067.78	1/2	818.91	1/2	570.40	1/2	321.65	1/2	73.33	1/2		1/2			
3/4	1,560.32	3/4	1,311.45	3/4	1,062.59	3/4	813.73	3/4	565.23	3/4	316.47	3/4	68.34	3/4		3/4			
5	1,555.14	5	1,306.27	5	1,057.41	5	808.54	5	560.06	5	311.28	5	63.41	5		5			
1/4	1,549.96	1/4	1,301.08	1/4	1,052.22	1/4	803.36	1/4	554.89	1/4	306.10	1/4	58.61	1/4		1/4			
1/2	1,544.77	1/2	1,295.90	1/2	1,047.04	1/2	798.17	1/2	549.71	1/2	300.91	1/2	53.88	1/2		1/2			
3/4	1,539.59	3/4	1,290.71	3/4	1,041.85	3/4	792.99	3/4	544.54	3/4	295.73	3/4	49.16	3/4		3/4			
6	1,534.40	6	1,285.53	6	1,036.67	6	787.80	6	539.36	6	290.54	6	44.51	6		6			
1/4	1,529.22	1/4	1,280.35	1/4	1,031.48	1/4	782.62	1/4	534.18	1/4	285.36	1/4	40.03	1/4		1/4			
1/2	1,524.03	1/2	1,275.16	1/2	1,026.30	1/2	777.43	1/2	529.00	1/2	280.17	1/2	35.63	1/2		1/2			
3/4	1,518.85	3/4	1,269.98	3/4	1,021.11	3/4	772.25	3/4	523.82	3/4	274.99	3/4	31.24	3/4		3/4			
7	1,513.66	7	1,264.80	7	1,015.93	7	767.07	7	518.64	7	269.80	7	27.06	7		7			
1/4	1,508.48	1/4	1,259.62	1/4	1,010.74	1/4	761.88	1/4	513.46	1/4	264.62	1/4	23.33	1/4		1/4			
1/2	1,503.29	1/2	1,254.43	1/2	1,005.56	1/2	756.70	1/2	508.27	1/2	259.43	1/2	19.81	1/2		1/2			
3/4	1,498.11	3/4	1,249.25	3/4	1,000.37	3/4	751.51	3/4	503.09	3/4	254.25	3/4	16.30	3/4		3/4			
8	1,492.92	8	1,244.06	8	995.19	8	746.33	8	497.91	8	249.07	8	13.13	8		8			
1/4	1,487.74	1/4	1,238.88	1/4	990.00	1/4	741.15	1/4	492.72	1/4	243.88	1/4	10.65	1/4		1/4			
1/2	1,482.55	1/2	1,233.69	1/2	984.82	1/2	735.97	1/2	487.54	1/2	238.70	1/2	8.50	1/2		1/2			
3/4	1,477.37	3/4	1,228.51	3/4	979.63	3/4	730.80	3/4	482.35	3/4	233.51	3/4	6.36	3/4		3/4			
9	1,472.18	9	1,223.32	9	974.45	9	725.62	9	477.17	9	228.33	9	4.56	9		9			
1/4	1,467.00	1/4	1,218.14	1/4	969.27	1/4	720.45	1/4	471.99	1/4	223.14	1/4	3.42	1/4		1/4			
1/2	1,461.81	1/2	1,212.95	1/2	964.08	1/2	715.27	1/2	466.80	1/2	217.96	1/2	2.62	1/2		1/2			
3/4	1,456.63	3/4	1,207.77	3/4	958.90	3/4	710.10	3/4	461.62	3/4	212.77	3/4	1.83	3/4		3/4			
10	1,451.44	10	1,202.58	10	953.72	10	704.93	10	456.44	10	207.59	10	1.03	10		10			
1/4	1,446.26	1/4	1,197.40	1/4	948.54	1/4	699.75	1/4	451.26	1/4	202.40	1/4	0.63	1/4		1/4			
1/2	1,441.07	1/2	1,192.21	1/2	943.35	1/2	694.58	1/2	446.07	1/2	197.22	1/2		1/2		1/2			
3/4	1,435.89	3/4	1,187.03	3/4	938.17	3/4	689.40	3/4	440.89	3/4	192.03	3/4		3/4		3/4			
11	1,430.70	11	1,181.84	11	932.98	11	684.23	11	435.70	11	186.85	11		11		11			
1/4	1,425.52	1/4	1,176.66	1/4	927.80	1/4	679.06	1/4	430.52	1/4	181.67	1/4		1/4		1/4			
1/2	1,420.33	1/2	1,171.47	1/2	922.61	1/2	673.88	1/2	425.33	1/2	176.48	1/2		1/2		1/2			
3/4	1,415.15	3/4	1,166.29	3/4	917.43	3/4	668.71	3/4	420.15	3/4	171.30	3/4		3/4		3/4			

STRAPPED: 01/29/1999 ITS
DECK MEASUREMENTS: 09/17/2007 SW CL
REPRINTED: 10/16/2007 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2007

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 24"

2 CENTER ULLAGE TABLE

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

FORMERLY "GBL 1310 and KIRBY 10564"

GAUGE HEIGHT 16'-10 5/8"

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	3,415.72	0	3,166.43	0	2,917.16	0	2,667.94	0	2,418.72	0	2,169.51	0	1,920.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,410.52	1/4	3,161.23	1/4	2,911.96	1/4	2,662.74	1/4	2,413.52	1/4	2,164.31	1/4	1,915.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,405.33	1/2	3,156.04	1/2	2,906.77	1/2	2,657.55	1/2	2,408.33	1/2	2,158.12	1/2	1,909.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,400.14	3/4	3,150.85	3/4	2,901.58	3/4	2,652.36	3/4	2,403.14	3/4	2,153.93	3/4	1,904.68
1		1		1		1	3,394.95	1	3,145.66	1	2,896.39	1	2,647.17	1	2,397.95	1	2,148.74	1	1,899.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,389.75	1/4	3,140.46	1/4	2,891.19	1/4	2,641.97	1/4	2,392.76	1/4	2,143.54	1/4	1,894.29
1/2	1/2	1/2	5/8	1/2	3,566.23	1/2	3,384.56	1/2	3,135.27	1/2	2,886.00	1/2	2,636.78	1/2	2,387.57	1/2	2,138.35	1/2	1,889.10
3/4	3/4	3/4	3/4	3/4	3,565.97	3/4	3,379.36	3/4	3,130.08	3/4	2,880.81	3/4	2,631.59	3/4	2,382.38	3/4	2,133.16	3/4	1,883.91
2		2		2	3,565.44	2	3,374.17	2	3,124.89	2	2,875.62	2	2,626.40	2	2,377.19	2	2,127.97	2	1,878.72
1/4	1/4	1/4	1/4	1/4	3,564.91	1/4	3,368.97	1/4	3,119.69	1/4	2,870.42	1/4	2,621.21	1/4	2,371.99	1/4	2,122.77	1/4	1,873.52
1/2	1/2	1/2	1/2	1/2	3,564.20	1/2	3,363.78	1/2	3,114.50	1/2	2,865.23	1/2	2,616.02	1/2	2,366.80	1/2	2,117.58	1/2	1,868.33
3/4	3/4	3/4	3/4	3/4	3,563.13	3/4	3,358.59	3/4	3,109.30	3/4	2,860.04	3/4	2,610.83	3/4	2,361.61	3/4	2,112.39	3/4	1,863.14
3		3		3	3,561.88	3	3,353.40	3	3,104.11	3	2,854.85	3	2,605.64	3	2,356.42	3	2,107.20	3	1,857.95
1/4	1/4	1/4	1/4	1/4	3,560.63	1/4	3,348.20	1/4	3,098.91	1/4	2,849.65	1/4	2,600.44	1/4	2,351.22	1/4	2,102.00	1/4	1,852.75
1/2	1/2	1/2	1/2	1/2	3,559.19	1/2	3,343.01	1/2	3,093.72	1/2	2,844.46	1/2	2,595.25	1/2	2,346.03	1/2	2,096.81	1/2	1,847.56
3/4	3/4	3/4	3/4	3/4	3,557.36	3/4	3,337.82	3/4	3,088.53	3/4	2,839.27	3/4	2,590.06	3/4	2,340.84	3/4	2,091.62	3/4	1,842.37
4		4		4	3,555.34	4	3,332.62	4	3,083.34	4	2,834.08	4	2,584.87	4	2,335.65	4	2,086.43	4	1,837.18
1/4	1/4	1/4	1/4	1/4	3,553.32	1/4	3,327.43	1/4	3,078.14	1/4	2,828.89	1/4	2,579.67	1/4	2,330.45	1/4	2,081.23	1/4	1,831.98
1/2	1/2	1/2	1/2	1/2	3,551.11	1/2	3,322.23	1/2	3,072.95	1/2	2,823.70	1/2	2,574.48	1/2	2,325.26	1/2	2,076.04	1/2	1,826.79
3/4	3/4	3/4	3/4	3/4	3,548.51	3/4	3,317.04	3/4	3,067.76	3/4	2,818.51	3/4	2,569.29	3/4	2,320.07	3/4	2,070.85	3/4	1,821.60
5		5		5	3,545.72	5	3,311.85	5	3,062.57	5	2,813.32	5	2,564.10	5	2,314.88	5	2,065.66	5	1,816.41
1/4	1/4	1/4	1/4	1/4	3,542.93	1/4	3,306.65	1/4	3,057.37	1/4	2,808.12	1/4	2,558.90	1/4	2,309.68	1/4	2,060.46	1/4	1,811.21
1/2	1/2	1/2	1/2	1/2	3,539.95	1/2	3,301.46	1/2	3,052.18	1/2	2,802.93	1/2	2,553.71	1/2	2,304.49	1/2	2,055.27	1/2	1,806.02
3/4	3/4	3/4	3/4	3/4	3,536.58	3/4	3,296.27	3/4	3,046.98	3/4	2,797.74	3/4	2,548.52	3/4	2,299.30	3/4	2,050.08	3/4	1,800.83
6		6		6	3,533.03	6	3,291.08	6	3,041.79	6	2,792.55	6	2,543.33	6	2,294.11	6	2,044.89	6	1,795.64
1/4	1/4	1/4	1/4	1/4	3,529.47	1/4	3,285.88	1/4	3,036.59	1/4	2,787.35	1/4	2,538.13	1/4	2,288.92	1/4	2,039.69	1/4	1,790.44
1/2	1/2	1/2	1/2	1/2	3,525.72	1/2	3,280.69	1/2	3,031.40	1/2	2,782.16	1/2	2,532.94	1/2	2,283.73	1/2	2,034.50	1/2	1,785.25
3/4	3/4	3/4	3/4	3/4	3,521.58	3/4	3,275.50	3/4	3,026.21	3/4	2,776.97	3/4	2,527.75	3/4	2,278.54	3/4	2,029.30	3/4	1,780.06
7		7		7	3,517.26	7	3,270.30	7	3,021.02	7	2,771.78	7	2,522.56	7	2,273.35	7	2,024.11	7	1,774.87
1/4	1/4	1/4	1/4	1/4	3,512.93	1/4	3,265.11	1/4	3,015.82	1/4	2,766.58	1/4	2,517.37	1/4	2,268.15	1/4	2,018.91	1/4	1,769.67
1/2	1/2	1/2	1/2	1/2	3,508.42	1/2	3,259.91	1/2	3,010.63	1/2	2,761.39	1/2	2,512.18	1/2	2,262.96	1/2	2,013.72	1/2	1,764.48
3/4	3/4	3/4	3/4	3/4	3,503.55	3/4	3,254.72	3/4	3,005.44	3/4	2,756.20	3/4	2,506.99	3/4	2,257.77	3/4	2,008.53	3/4	1,759.29
8		8		8	3,498.51	8	3,249.53	8	3,000.24	8	2,751.01	8	2,501.80	8	2,252.58	8	2,003.34	8	1,754.10
1/4	1/4	1/4	1/4	1/4	3,493.46	1/4	3,244.33	1/4	2,995.05	1/4	2,745.81	1/4	2,496.60	1/4	2,247.38	1/4	1,998.14	1/4	1,748.90
1/2	1/2	1/2	1/2	1/2	3,488.38	1/2	3,239.14	1/2	2,989.85	1/2	2,740.62	1/2	2,491.41	1/2	2,242.19	1/2	1,992.95	1/2	1,743.71
3/4	3/4	3/4	3/4	3/4	3,483.23	3/4	3,233.95	3/4	2,984.66	3/4	2,735.43	3/4	2,486.22	3/4	2,237.00	3/4	1,987.76	3/4	1,738.52
9		9		9	3,478.04	9	3,228.76	9	2,979.47	9	2,730.24	9	2,481.03	9	2,231.81	9	1,982.57	9	1,733.33
1/4	1/4	1/4	1/4	1/4	3,472.84	1/4	3,223.56	1/4	2,974.27	1/4	2,725.05	1/4	2,475.83	1/4	2,226.61	1/4	1,977.37	1/4	1,728.13
1/2	1/2	1/2	1/2	1/2	3,467.65	1/2	3,218.37	1/2	2,969.08	1/2	2,719.86	1/2	2,470.64	1/2	2,221.42	1/2	1,972.18	1/2	1,722.94
3/4	3/4	3/4	3/4	3/4	3,462.46	3/4	3,213.18	3/4	2,963.89	3/4	2,714.67	3/4	2,465.45	3/4	2,216.23	3/4	1,966.99	3/4	1,717.75
10		10		10	3,457.27	10	3,207.98	10	2,958.70	10	2,709.48	10	2,460.26	10	2,211.04	10	1,961.80	10	1,712.56
1/4	1/4	1/4	1/4	1/4	3,452.07	1/4	3,202.79	1/4	2,953.50	1/4	2,704.28	1/4	2,455.06	1/4	2,205.84	1/4	1,956.60	1/4	1,707.36
1/2	1/2	1/2	1/2	1/2	3,446.88	1/2	3,197.59	1/2	2,948.31	1/2	2,699.09	1/2	2,449.87	1/2	2,200.65	1/2	1,951.41	1/2	1,702.17
3/4	3/4	3/4	3/4	3/4	3,441.68	3/4	3,192.40	3/4	2,943.12	3/4	2,693.90	3/4	2,444.68	3/4	2,195.46	3/4	1,946.22	3/4	1,696.98
11		11		11	3,436.49	11	3,187.21	11	2,937.93	11	2,688.71	11	2,439.49	11	2,190.27	11	1,941.03	11	1,691.79
1/4	1/4	1/4	1/4	1/4	3,431.29	1/4	3,182.01	1/4	2,932.73	1/4	2,683.51	1/4	2,434.29	1/4	2,185.08	1/4	1,935.83	1/4	1,686.59
1/2	1/2	1/2	1/2	1/2	3,426.10	1/2	3,176.82	1/2	2,927.54	1/2	2,678.32	1/2	2,429.10	1/2	2,179.89	1/2	1,930.64	1/2	1,681.40
3/4	3/4	3/4	3/4	3/4	3,420.91	3/4	3,171.62	3/4	2,922.35	3/4	2,673.13	3/4	2,423.91	3/4	2,174.70	3/4	1,925.45	3/4	1,676.21

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 "MMC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (MMC TOP OF THREADS) LOCATED 01'-00" OFF CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 24"

2 CENTER ULLAGE TABLE

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

FORMERLY "GBL 1310 and KIRBY 10564"

GAUGE HEIGHT 16'-10 5/8"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,671.02	0	1,421.78	0	1,172.54	0	923.31	0	674.21	0	425.29	0	176.07	0		0		0	
1/4	1,665.82	1/4	1,416.58	1/4	1,167.34	1/4	918.11	1/4	669.02	1/4	420.09	1/4	170.87	1/4	1/4	1/4		1/4	1/4
1/2	1,660.63	1/2	1,411.39	1/2	1,162.15	1/2	912.92	1/2	663.84	1/2	414.90	1/2	165.68	1/2	1/2	1/2		1/2	1/2
3/4	1,655.44	3/4	1,406.20	3/4	1,156.96	3/4	907.73	3/4	658.66	3/4	409.71	3/4	160.49	3/4	3/4	3/4		3/4	3/4
1	1,650.24	1	1,401.01	1	1,151.77	1	902.54	1	653.48	1	404.52	1	155.30	1	1	1		1	1
1/4	1,645.05	1/4	1,395.81	1/4	1,146.57	1/4	897.34	1/4	648.30	1/4	399.32	1/4	150.10	1/4	1/4	1/4		1/4	1/4
1/2	1,639.85	1/2	1,390.62	1/2	1,141.38	1/2	892.15	1/2	643.12	1/2	394.13	1/2	144.91	1/2	1/2	1/2		1/2	1/2
3/4	1,634.66	3/4	1,385.43	3/4	1,136.19	3/4	886.96	3/4	637.94	3/4	388.94	3/4	139.72	3/4	3/4	3/4		3/4	3/4
2	1,629.47	2	1,380.24	2	1,131.00	2	881.77	2	632.76	2	383.75	2	134.53	2	2	2		2	2
1/4	1,624.27	1/4	1,375.04	1/4	1,125.80	1/4	876.57	1/4	627.57	1/4	378.55	1/4	129.33	1/4	1/4	1/4		1/4	1/4
1/2	1,619.08	1/2	1,369.85	1/2	1,120.61	1/2	871.38	1/2	622.39	1/2	373.36	1/2	124.14	1/2	1/2	1/2		1/2	1/2
3/4	1,613.89	3/4	1,364.66	3/4	1,115.42	3/4	866.19	3/4	617.21	3/4	368.17	3/4	118.95	3/4	3/4	3/4		3/4	3/4
3	1,608.70	3	1,359.47	3	1,110.23	3	861.00	3	612.03	3	362.98	3	113.76	3	3	3		3	3
1/4	1,603.50	1/4	1,354.27	1/4	1,105.03	1/4	855.80	1/4	606.84	1/4	357.78	1/4	108.56	1/4	1/4	1/4		1/4	1/4
1/2	1,598.31	1/2	1,349.08	1/2	1,099.84	1/2	850.61	1/2	601.66	1/2	352.59	1/2	103.47	1/2	1/2	1/2		1/2	1/2
3/4	1,593.12	3/4	1,343.89	3/4	1,094.65	3/4	845.42	3/4	596.48	3/4	347.40	3/4	98.59	3/4	3/4	3/4		3/4	3/4
4	1,587.93	4	1,338.70	4	1,089.46	4	840.23	4	591.30	4	342.21	4	93.81	4	4	4		4	4
1/4	1,582.73	1/4	1,333.50	1/4	1,084.26	1/4	835.03	1/4	586.12	1/4	337.02	1/4	89.02	1/4	1/4	1/4		1/4	1/4
1/2	1,577.54	1/2	1,328.31	1/2	1,079.07	1/2	829.84	1/2	580.94	1/2	331.83	1/2	84.35	1/2	1/2	1/2		1/2	1/2
3/4	1,572.35	3/4	1,323.12	3/4	1,073.88	3/4	824.65	3/4	575.76	3/4	326.64	3/4	79.89	3/4	3/4	3/4		3/4	3/4
5	1,567.16	5	1,317.93	5	1,068.69	5	819.46	5	570.58	5	321.45	5	75.54	5	5	5		5	5
1/4	1,561.97	1/4	1,312.73	1/4	1,063.49	1/4	814.26	1/4	565.39	1/4	316.25	1/4	71.18	1/4	1/4	1/4		1/4	1/4
1/2	1,556.78	1/2	1,307.54	1/2	1,058.30	1/2	809.07	1/2	560.21	1/2	311.06	1/2	66.86	1/2	1/2	1/2		1/2	1/2
3/4	1,551.59	3/4	1,302.35	3/4	1,053.11	3/4	803.88	3/4	555.03	3/4	305.87	3/4	62.60	3/4	3/4	3/4		3/4	3/4
6	1,546.40	6	1,297.16	6	1,047.92	6	798.69	6	549.85	6	300.68	6	58.37	6	6	6		6	6
1/4	1,541.20	1/4	1,291.96	1/4	1,042.72	1/4	793.49	1/4	544.66	1/4	295.48	1/4	54.13	1/4	1/4	1/4		1/4	1/4
1/2	1,536.01	1/2	1,286.77	1/2	1,037.53	1/2	788.30	1/2	539.48	1/2	290.29	1/2	49.84	1/2	1/2	1/2		1/2	1/2
3/4	1,530.82	3/4	1,281.58	3/4	1,032.34	3/4	783.11	3/4	534.29	3/4	285.10	3/4	45.42	3/4	3/4	3/4		3/4	3/4
7	1,525.63	7	1,276.39	7	1,027.15	7	777.92	7	529.11	7	279.91	7	40.95	7	7	7		7	7
1/4	1,520.43	1/4	1,271.19	1/4	1,021.95	1/4	772.72	1/4	523.92	1/4	274.71	1/4	36.47	1/4	1/4	1/4		1/4	1/4
1/2	1,515.24	1/2	1,266.00	1/2	1,016.76	1/2	767.53	1/2	518.73	1/2	269.52	1/2	32.08	1/2	1/2	1/2		1/2	1/2
3/4	1,510.05	3/4	1,260.81	3/4	1,011.57	3/4	762.34	3/4	513.54	3/4	264.33	3/4	27.89	3/4	3/4	3/4		3/4	3/4
8	1,504.86	8	1,255.62	8	1,006.38	8	757.15	8	508.35	8	259.14	8	23.78	8	8	8		8	8
1/4	1,499.66	1/4	1,250.42	1/4	1,001.19	1/4	751.95	1/4	503.15	1/4	253.94	1/4	19.68	1/4	1/4	1/4		1/4	1/4
1/2	1,494.47	1/2	1,245.23	1/2	996.00	1/2	746.76	1/2	497.96	1/2	248.75	1/2	15.93	1/2	1/2	1/2		1/2	1/2
3/4	1,489.28	3/4	1,240.04	3/4	990.81	3/4	741.57	3/4	492.77	3/4	243.56	3/4	12.90	3/4	3/4	3/4		3/4	3/4
9	1,484.09	9	1,234.85	9	985.62	9	736.39	9	487.58	9	238.37	9	10.24	9	9	9		9	9
1/4	1,478.89	1/4	1,229.65	1/4	980.42	1/4	731.20	1/4	482.39	1/4	233.17	1/4	7.57	1/4	1/4	1/4		1/4	1/4
1/2	1,473.70	1/2	1,224.46	1/2	975.23	1/2	726.02	1/2	477.20	1/2	227.98	1/2	5.33	1/2	1/2	1/2		1/2	1/2
3/4	1,468.51	3/4	1,219.27	3/4	970.04	3/4	720.84	3/4	472.01	3/4	222.79	3/4	3.95	3/4	3/4	3/4		3/4	3/4
10	1,463.32	10	1,214.08	10	964.85	10	715.66	10	466.82	10	217.60	10	3.00	10	10	10		10	10
1/4	1,458.12	1/4	1,208.88	1/4	959.65	1/4	710.47	1/4	461.63	1/4	212.41	1/4	2.05	1/4	1/4	1/4		1/4	1/4
1/2	1,452.93	1/2	1,203.69	1/2	954.46	1/2	705.29	1/2	456.44	1/2	207.22	1/2	1.10	1/2	1/2	1/2		1/2	1/2
3/4	1,447.74	3/4	1,198.50	3/4	949.27	3/4	700.11	3/4	451.25	3/4	202.03	3/4	0.63	3/4	3/4	3/4		3/4	3/4
11	1,442.55	11	1,193.31	11	944.08	11	694.93	11	446.06	11	196.84	11		11	11	11		11	11
1/4	1,437.35	1/4	1,188.11	1/4	938.88	1/4	689.75	1/4	440.86	1/4	191.64	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,432.16	1/2	1,182.92	1/2	933.69	1/2	684.57	1/2	435.67	1/2	186.45	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,426.97	3/4	1,177.73	3/4	928.50	3/4	679.39	3/4	430.48	3/4	181.26	3/4		3/4	3/4	3/4		3/4	3/4

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ALL PRIOR TO 10/2007

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Pearland, Texas 77588
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BARGE "CBC 24"

3 CENTER ULLAGE TABLE

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

FORMERLY "GBL 1310 and KIRBY 10564"

GAUGE HEIGHT 16'-10 5/8"

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	3,418.77	0	3,169.27	0	2,919.77	0	2,670.33	0	2,420.89	0	2,171.45	0	1,921.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,413.57	1/4	3,164.07	1/4	2,914.57	1/4	2,665.13	1/4	2,415.69	1/4	2,166.26	1/4	1,916.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,408.37	1/2	3,158.87	1/2	2,909.37	1/2	2,659.93	1/2	2,410.49	1/2	2,161.06	1/2	1,911.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,403.17	3/4	3,153.67	3/4	2,904.17	3/4	2,654.73	3/4	2,405.30	3/4	2,155.86	3/4	1,906.39
1		1		1		1	3,397.98	1	3,148.47	1	2,898.98	1	2,649.54	1	2,400.10	1	2,150.67	1	1,901.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,392.78	1/4	3,143.27	1/4	2,893.78	1/4	2,644.34	1/4	2,394.91	1/4	2,145.47	1/4	1,896.00
1/2	1/2	1/2	5/8	1/2	3,574.33	1/2	3,387.58	1/2	3,138.07	1/2	2,888.58	1/2	2,639.14	1/2	2,389.71	1/2	2,140.27	1/2	1,890.80
3/4	3/4	3/4	3/4	3/4	3,573.97	3/4	3,382.38	3/4	3,132.87	3/4	2,883.39	3/4	2,633.95	3/4	2,384.51	3/4	2,135.07	3/4	1,885.60
2		2		2	3,573.25	2	3,377.19	2	3,127.68	2	2,878.19	2	2,628.75	2	2,379.32	2	2,129.88	2	1,880.41
1/4	1/4	1/4	1/4	1/4	3,572.52	1/4	3,371.99	1/4	3,122.48	1/4	2,873.00	1/4	2,623.56	1/4	2,374.12	1/4	2,124.68	1/4	1,875.21
1/2	1/2	1/2	1/2	1/2	3,571.62	1/2	3,366.79	1/2	3,117.28	1/2	2,867.80	1/2	2,618.36	1/2	2,368.92	1/2	2,119.48	1/2	1,870.01
3/4	3/4	3/4	3/4	3/4	3,570.36	3/4	3,361.59	3/4	3,112.08	3/4	2,862.60	3/4	2,613.16	3/4	2,363.72	3/4	2,114.28	3/4	1,864.81
3		3		3	3,568.92	3	3,356.40	3	3,106.89	3	2,857.41	3	2,607.97	3	2,358.53	3	2,109.09	3	1,859.62
1/4	1/4	1/4	1/4	1/4	3,567.47	1/4	3,351.20	1/4	3,101.69	1/4	2,852.21	1/4	2,602.77	1/4	2,353.33	1/4	2,103.89	1/4	1,854.42
1/2	1/2	1/2	1/2	1/2	3,565.84	1/2	3,346.00	1/2	3,096.49	1/2	2,847.01	1/2	2,597.57	1/2	2,348.13	1/2	2,098.69	1/2	1,849.22
3/4	3/4	3/4	3/4	3/4	3,563.82	3/4	3,340.80	3/4	3,091.29	3/4	2,841.81	3/4	2,592.38	3/4	2,342.94	3/4	2,093.49	3/4	1,844.02
4		4		4	3,561.60	4	3,335.60	4	3,086.10	4	2,836.62	4	2,587.18	4	2,337.74	4	2,088.30	4	1,838.83
1/4	1/4	1/4	1/4	1/4	3,559.39	1/4	3,330.40	1/4	3,080.90	1/4	2,831.42	1/4	2,581.99	1/4	2,332.55	1/4	2,083.10	1/4	1,833.63
1/2	1/2	1/2	1/2	1/2	3,556.98	1/2	3,325.20	1/2	3,075.70	1/2	2,826.22	1/2	2,576.79	1/2	2,327.35	1/2	2,077.90	1/2	1,828.43
3/4	3/4	3/4	3/4	3/4	3,554.19	3/4	3,320.00	3/4	3,070.50	3/4	2,821.03	3/4	2,571.59	3/4	2,322.15	3/4	2,072.70	3/4	1,823.23
5		5		5	3,551.20	5	3,314.81	5	3,065.31	5	2,815.83	5	2,566.40	5	2,316.96	5	2,067.51	5	1,818.04
1/4	1/4	1/4	1/4	1/4	3,548.22	1/4	3,309.61	1/4	3,060.11	1/4	2,810.64	1/4	2,561.20	1/4	2,311.76	1/4	2,062.31	1/4	1,812.84
1/2	1/2	1/2	1/2	1/2	3,545.04	1/2	3,304.41	1/2	3,054.91	1/2	2,805.44	1/2	2,556.00	1/2	2,306.56	1/2	2,057.11	1/2	1,807.64
3/4	3/4	3/4	3/4	3/4	3,541.48	3/4	3,299.21	3/4	3,049.71	3/4	2,800.24	3/4	2,550.80	3/4	2,301.36	3/4	2,051.91	3/4	1,802.44
6		6		6	3,537.73	6	3,294.02	6	3,044.51	6	2,795.05	6	2,545.61	6	2,296.17	6	2,046.72	6	1,797.25
1/4	1/4	1/4	1/4	1/4	3,533.97	1/4	3,288.82	1/4	3,039.31	1/4	2,789.85	1/4	2,540.41	1/4	2,290.97	1/4	2,041.52	1/4	1,792.05
1/2	1/2	1/2	1/2	1/2	3,530.03	1/2	3,283.62	1/2	3,034.11	1/2	2,784.65	1/2	2,535.21	1/2	2,285.77	1/2	2,036.32	1/2	1,786.85
3/4	3/4	3/4	3/4	3/4	3,525.70	3/4	3,278.42	3/4	3,028.91	3/4	2,779.45	3/4	2,530.02	3/4	2,280.58	3/4	2,031.12	3/4	1,781.65
7		7		7	3,521.17	7	3,273.23	7	3,023.72	7	2,774.26	7	2,524.82	7	2,275.38	7	2,025.93	7	1,776.46
1/4	1/4	1/4	1/4	1/4	3,516.65	1/4	3,268.03	1/4	3,018.52	1/4	2,769.06	1/4	2,519.63	1/4	2,270.19	1/4	2,020.73	1/4	1,771.26
1/2	1/2	1/2	1/2	1/2	3,511.97	1/2	3,262.83	1/2	3,013.32	1/2	2,763.86	1/2	2,514.43	1/2	2,264.99	1/2	2,015.53	1/2	1,766.06
3/4	3/4	3/4	3/4	3/4	3,506.98	3/4	3,257.63	3/4	3,008.12	3/4	2,758.67	3/4	2,509.23	3/4	2,259.79	3/4	2,010.33	3/4	1,760.87
8		8		8	3,501.83	8	3,252.44	8	3,002.93	8	2,753.47	8	2,504.04	8	2,254.60	8	2,005.14	8	1,755.67
1/4	1/4	1/4	1/4	1/4	3,496.69	1/4	3,247.24	1/4	2,997.73	1/4	2,748.28	1/4	2,498.84	1/4	2,249.40	1/4	1,999.94	1/4	1,750.48
1/2	1/2	1/2	1/2	1/2	3,491.53	1/2	3,242.04	1/2	2,992.53	1/2	2,743.08	1/2	2,493.64	1/2	2,244.20	1/2	1,994.74	1/2	1,745.28
3/4	3/4	3/4	3/4	3/4	3,486.34	3/4	3,236.84	3/4	2,987.33	3/4	2,737.88	3/4	2,488.44	3/4	2,239.00	3/4	1,989.54	3/4	1,740.08
9		9		9	3,481.15	9	3,231.64	9	2,982.14	9	2,732.69	9	2,483.25	9	2,233.81	9	1,984.35	9	1,734.89
1/4	1/4	1/4	1/4	1/4	3,475.95	1/4	3,226.44	1/4	2,976.94	1/4	2,727.49	1/4	2,478.05	1/4	2,228.61	1/4	1,979.15	1/4	1,729.69
1/2	1/2	1/2	1/2	1/2	3,470.75	1/2	3,221.24	1/2	2,971.74	1/2	2,722.29	1/2	2,472.85	1/2	2,223.41	1/2	1,973.95	1/2	1,724.49
3/4	3/4	3/4	3/4	3/4	3,465.55	3/4	3,216.04	3/4	2,966.54	3/4	2,717.09	3/4	2,467.66	3/4	2,218.22	3/4	1,968.76	3/4	1,719.29
10		10		10	3,460.36	10	3,210.85	10	2,961.34	10	2,711.90	10	2,462.46	10	2,213.02	10	1,963.56	10	1,714.10
1/4	1/4	1/4	1/4	1/4	3,455.16	1/4	3,205.65	1/4	2,956.14	1/4	2,706.70	1/4	2,457.27	1/4	2,207.83	1/4	1,958.37	1/4	1,708.90
1/2	1/2	1/2	1/2	1/2	3,449.96	1/2	3,200.45	1/2	2,950.94	1/2	2,701.50	1/2	2,452.07	1/2	2,202.63	1/2	1,953.17	1/2	1,703.70
3/4	3/4	3/4	3/4	3/4	3,444.76	3/4	3,195.25	3/4	2,945.75	3/4	2,696.31	3/4	2,446.87	3/4	2,197.43	3/4	1,947.97	3/4	1,698.50
11		11		11	3,439.57	11	3,190.06	11	2,940.55	11	2,691.11	11	2,441.68	11	2,192.24	11	1,942.78	11	1,693.31
1/4	1/4	1/4	1/4	1/4	3,434.37	1/4	3,184.86	1/4	2,935.36	1/4	2,685.92	1/4	2,436.48	1/4	2,187.04	1/4	1,937.58	1/4	1,688.11
1/2	1/2	1/2	1/2	1/2	3,429.17	1/2	3,179.66	1/2	2,930.16	1/2	2,680.72	1/2	2,431.28	1/2	2,181.84	1/2	1,932.38	1/2	1,682.91
3/4	3/4	3/4	3/4	3/4	3,423.97	3/4	3,174.46	3/4	2,924.96	3/4	2,675.52	3/4	2,426.08	3/4	2,176.65	3/4	1,927.18	3/4	1,677.71

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 "MMC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (MMC TOP OF THREADS) LOCATED 01'-00" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 24"

3 CENTER ULLAGE TABLE

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

FORMERLY "GBL1310 and KIRBY 10564"

GAUGE HEIGHT 16'-10 5/8"

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	1,672.52	0	1,423.06	0	1,173.60	0	924.14	0	674.83	0	425.69	0	176.24	0		0		0	
1/4	1,667.32	1/4	1,417.86	1/4	1,168.41	1/4	918.95	1/4	669.64	1/4	420.49	1/4	171.05	1/4	1/4	1/4		1/4	1/4
1/2	1,662.12	1/2	1,412.66	1/2	1,163.21	1/2	913.75	1/2	664.45	1/2	415.29	1/2	165.85	1/2	1/2	1/2		1/2	1/2
3/4	1,656.92	3/4	1,407.46	3/4	1,158.01	3/4	908.55	3/4	659.27	3/4	410.09	3/4	160.65	3/4	3/4	3/4		3/4	3/4
1	1,651.73	1	1,402.27	1	1,152.82	1	903.36	1	654.08	1	404.90	1	155.46	1	1	1		1	1
1/4	1,646.53	1/4	1,397.07	1/4	1,147.62	1/4	898.16	1/4	648.90	1/4	399.70	1/4	150.26	1/4	1/4	1/4		1/4	1/4
1/2	1,641.33	1/2	1,391.87	1/2	1,142.42	1/2	892.96	1/2	643.71	1/2	394.50	1/2	145.06	1/2	1/2	1/2		1/2	1/2
3/4	1,636.13	3/4	1,386.68	3/4	1,137.22	3/4	887.76	3/4	638.52	3/4	389.30	3/4	139.86	3/4	3/4	3/4		3/4	3/4
2	1,630.94	2	1,381.48	2	1,132.03	2	882.57	2	633.34	2	384.11	2	134.67	2	2	2		2	2
1/4	1,625.74	1/4	1,376.29	1/4	1,126.83	1/4	877.37	1/4	628.15	1/4	378.91	1/4	129.47	1/4	1/4	1/4		1/4	1/4
1/2	1,620.54	1/2	1,371.09	1/2	1,121.63	1/2	872.17	1/2	622.96	1/2	373.71	1/2	124.27	1/2	1/2	1/2		1/2	1/2
3/4	1,615.34	3/4	1,365.89	3/4	1,116.43	3/4	866.97	3/4	617.78	3/4	368.52	3/4	119.07	3/4	3/4	3/4		3/4	3/4
3	1,610.15	3	1,360.70	3	1,111.24	3	861.78	3	612.59	3	363.32	3	113.88	3	3	3		3	3
1/4	1,604.95	1/4	1,355.50	1/4	1,106.04	1/4	856.58	1/4	607.41	1/4	358.13	1/4	108.68	1/4	1/4	1/4		1/4	1/4
1/2	1,599.75	1/2	1,350.30	1/2	1,100.84	1/2	851.38	1/2	602.22	1/2	352.93	1/2	103.58	1/2	1/2	1/2		1/2	1/2
3/4	1,594.56	3/4	1,345.10	3/4	1,095.64	3/4	846.18	3/4	597.03	3/4	347.73	3/4	98.69	3/4	3/4	3/4		3/4	3/4
4	1,589.36	4	1,339.91	4	1,090.45	4	840.99	4	591.85	4	342.54	4	93.91	4	4	4		4	4
1/4	1,584.17	1/4	1,334.71	1/4	1,085.25	1/4	835.79	1/4	586.66	1/4	337.34	1/4	89.12	1/4	1/4	1/4		1/4	1/4
1/2	1,578.97	1/2	1,329.51	1/2	1,080.05	1/2	830.59	1/2	581.47	1/2	332.14	1/2	84.44	1/2	1/2	1/2		1/2	1/2
3/4	1,573.77	3/4	1,324.31	3/4	1,074.85	3/4	825.40	3/4	576.29	3/4	326.94	3/4	79.97	3/4	3/4	3/4		3/4	3/4
5	1,568.58	5	1,319.12	5	1,069.66	5	820.20	5	571.10	5	321.75	5	75.62	5	5	5		5	5
1/4	1,563.38	1/4	1,313.92	1/4	1,064.46	1/4	815.01	1/4	565.92	1/4	316.55	1/4	71.26	1/4	1/4	1/4		1/4	1/4
1/2	1,558.18	1/2	1,308.72	1/2	1,059.26	1/2	809.81	1/2	560.73	1/2	311.35	1/2	66.93	1/2	1/2	1/2		1/2	1/2
3/4	1,552.98	3/4	1,303.52	3/4	1,054.07	3/4	804.61	3/4	555.54	3/4	306.16	3/4	62.66	3/4	3/4	3/4		3/4	3/4
6	1,547.79	6	1,298.33	6	1,048.87	6	799.42	6	550.36	6	300.96	6	58.43	6	6	6		6	6
1/4	1,542.59	1/4	1,293.13	1/4	1,043.68	1/4	794.22	1/4	545.17	1/4	295.77	1/4	54.19	1/4	1/4	1/4		1/4	1/4
1/2	1,537.39	1/2	1,287.93	1/2	1,038.48	1/2	789.02	1/2	539.98	1/2	290.57	1/2	49.89	1/2	1/2	1/2		1/2	1/2
3/4	1,532.19	3/4	1,282.74	3/4	1,033.28	3/4	783.82	3/4	534.79	3/4	285.37	3/4	45.47	3/4	3/4	3/4		3/4	3/4
7	1,527.00	7	1,277.54	7	1,028.09	7	778.63	7	529.60	7	280.18	7	40.99	7	7	7		7	7
1/4	1,521.80	1/4	1,272.35	1/4	1,022.89	1/4	773.43	1/4	524.40	1/4	274.98	1/4	36.50	1/4	1/4	1/4		1/4	1/4
1/2	1,516.60	1/2	1,267.15	1/2	1,017.69	1/2	768.23	1/2	519.21	1/2	269.78	1/2	32.11	1/2	1/2	1/2		1/2	1/2
3/4	1,511.40	3/4	1,261.95	3/4	1,012.49	3/4	763.03	3/4	514.02	3/4	264.58	3/4	27.91	3/4	3/4	3/4		3/4	3/4
8	1,506.21	8	1,256.76	8	1,007.30	8	757.84	8	508.82	8	259.39	8	23.81	8	8	8		8	8
1/4	1,501.01	1/4	1,251.56	1/4	1,002.10	1/4	752.64	1/4	503.63	1/4	254.19	1/4	19.70	1/4	1/4	1/4		1/4	1/4
1/2	1,495.81	1/2	1,246.36	1/2	996.90	1/2	747.44	1/2	498.43	1/2	248.99	1/2	15.95	1/2	1/2	1/2		1/2	1/2
3/4	1,490.62	3/4	1,241.16	3/4	991.70	3/4	742.25	3/4	493.23	3/4	243.80	3/4	12.92	3/4	3/4	3/4		3/4	3/4
9	1,485.42	9	1,235.97	9	986.51	9	737.07	9	488.04	9	238.60	9	10.25	9	9	9		9	9
1/4	1,480.23	1/4	1,230.77	1/4	981.31	1/4	731.88	1/4	482.84	1/4	233.41	1/4	7.58	1/4	1/4	1/4		1/4	1/4
1/2	1,475.03	1/2	1,225.57	1/2	976.11	1/2	726.69	1/2	477.64	1/2	228.21	1/2	5.34	1/2	1/2	1/2		1/2	1/2
3/4	1,469.83	3/4	1,220.37	3/4	970.91	3/4	721.50	3/4	472.45	3/4	223.01	3/4	3.96	3/4	3/4	3/4		3/4	3/4
10	1,464.64	10	1,215.18	10	965.72	10	716.32	10	467.25	10	217.82	10	3.01	10	10	10		10	10
1/4	1,459.44	1/4	1,209.98	1/4	960.52	1/4	711.13	1/4	462.06	1/4	212.62	1/4	2.06	1/4	1/4	1/4		1/4	1/4
1/2	1,454.24	1/2	1,204.78	1/2	955.32	1/2	705.94	1/2	456.86	1/2	207.42	1/2	1.11	1/2	1/2	1/2		1/2	1/2
3/4	1,449.04	3/4	1,199.58	3/4	950.12	3/4	700.76	3/4	451.67	3/4	202.22	3/4	0.63	3/4	3/4	3/4		3/4	3/4
11	1,443.85	11	1,194.39	11	944.93	11	695.57	11	446.47	11	197.03	11		11	11	11		11	11
1/4	1,438.65	1/4	1,189.19	1/4	939.73	1/4	690.39	1/4	441.28	1/4	191.83	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,433.45	1/2	1,183.99	1/2	934.53	1/2	685.20	1/2	436.08	1/2	186.63	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,428.25	3/4	1,178.80	3/4	929.34	3/4	680.01	3/4	430.88	3/4	181.44	3/4		3/4	3/4	3/4		3/4	3/4

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