

BARGE "CBC 22"

INNAGE TRIM TABLE



FORMERLY "GBL 1710 and KIRBY 10379"

	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 1 CENTER IS - 00-1/4"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 3/4"

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 22"

1 CENTER INNAGE TABLE

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

FORMERLY "GBL 1710 AND KIRBY 10379"

GAUGE HEIGHT 17'-10 1/2"

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	0.63	0	205.10	0	454.07	0	702.68	0	951.59	0	1,200.57	0	1,449.56	0	1,698.54	0	1,947.54	0	2,196.53
1/4	1.34	1/4	210.29	1/4	459.26	1/4	707.86	1/4	956.78	1/4	1,205.76	1/4	1,454.75	1/4	1,703.73	1/4	1,952.73	1/4	2,201.72
1/2	2.06	1/2	215.48	1/2	464.45	1/2	713.03	1/2	961.96	1/2	1,210.95	1/2	1,459.93	1/2	1,708.92	1/2	1,957.92	1/2	2,206.90
3/4	2.77	3/4	220.66	3/4	469.63	3/4	718.21	3/4	967.15	3/4	1,216.13	3/4	1,465.12	3/4	1,714.10	3/4	1,963.10	3/4	2,212.09
1	3.48	1	225.85	1	474.82	1	723.39	1	972.34	1	1,221.32	1	1,470.30	1	1,719.29	1	1,968.29	1	2,217.27
1/4	5.45	1/4	231.04	1/4	480.01	1/4	728.57	1/4	977.52	1/4	1,226.51	1/4	1,475.49	1/4	1,724.48	1/4	1,973.48	1/4	2,222.46
1/2	7.43	1/2	236.23	1/2	485.19	1/2	733.74	1/2	982.71	1/2	1,231.70	1/2	1,480.68	1/2	1,729.67	1/2	1,978.67	1/2	2,227.65
3/4	9.40	3/4	241.41	3/4	490.38	3/4	738.92	3/4	987.89	3/4	1,236.88	3/4	1,485.86	3/4	1,734.85	3/4	1,983.85	3/4	2,232.83
2	11.37	2	246.60	2	495.56	2	744.10	2	993.08	2	1,242.07	2	1,491.05	2	1,740.04	2	1,989.04	2	2,238.02
1/4	14.73	1/4	251.79	1/4	500.75	1/4	749.29	1/4	998.27	1/4	1,247.26	1/4	1,496.24	1/4	1,745.23	1/4	1,994.23	1/4	2,243.21
1/2	18.10	1/2	256.98	1/2	505.93	1/2	754.47	1/2	1,003.46	1/2	1,252.45	1/2	1,501.43	1/2	1,750.42	1/2	1,999.42	1/2	2,248.40
3/4	21.46	3/4	262.16	3/4	511.12	3/4	759.66	3/4	1,008.64	3/4	1,257.63	3/4	1,506.61	3/4	1,755.60	3/4	2,004.60	3/4	2,253.58
3	24.82	3	267.35	3	516.30	3	764.85	3	1,013.83	3	1,262.82	3	1,511.80	3	1,760.79	3	2,009.79	3	2,258.77
1/4	29.16	1/4	272.54	1/4	521.49	1/4	770.04	1/4	1,019.02	1/4	1,268.01	1/4	1,516.99	1/4	1,765.98	1/4	2,014.98	1/4	2,263.96
1/2	33.50	1/2	277.72	1/2	526.67	1/2	775.22	1/2	1,024.21	1/2	1,273.20	1/2	1,522.18	1/2	1,771.17	1/2	2,020.17	1/2	2,269.15
3/4	37.84	3/4	282.91	3/4	531.86	3/4	780.41	3/4	1,029.39	3/4	1,278.38	3/4	1,527.36	3/4	1,776.35	3/4	2,025.35	3/4	2,274.33
4	42.18	4	288.09	4	537.04	4	785.60	4	1,034.58	4	1,283.57	4	1,532.55	4	1,781.54	4	2,030.54	4	2,279.52
1/4	46.87	1/4	293.28	1/4	542.22	1/4	790.79	1/4	1,039.77	1/4	1,288.76	1/4	1,537.74	1/4	1,786.73	1/4	2,035.73	1/4	2,284.71
1/2	51.56	1/2	298.47	1/2	547.40	1/2	795.97	1/2	1,044.96	1/2	1,293.95	1/2	1,542.93	1/2	1,791.92	1/2	2,040.92	1/2	2,289.89
3/4	56.25	3/4	303.65	3/4	552.57	3/4	801.16	3/4	1,050.14	3/4	1,299.13	3/4	1,548.11	3/4	1,797.10	3/4	2,046.10	3/4	2,295.08
5	60.94	5	308.84	5	557.75	5	806.35	5	1,055.33	5	1,304.32	5	1,553.30	5	1,802.29	5	2,051.29	5	2,300.26
1/4	65.91	1/4	314.03	1/4	562.93	1/4	811.53	1/4	1,060.52	1/4	1,309.51	1/4	1,558.49	1/4	1,807.48	1/4	2,056.48	1/4	2,305.45
1/2	70.88	1/2	319.22	1/2	568.10	1/2	816.72	1/2	1,065.71	1/2	1,314.69	1/2	1,563.68	1/2	1,812.67	1/2	2,061.66	1/2	2,310.64
3/4	75.85	3/4	324.40	3/4	573.28	3/4	821.90	3/4	1,070.89	3/4	1,319.88	3/4	1,568.86	3/4	1,817.85	3/4	2,066.85	3/4	2,315.82
6	80.82	6	329.59	6	578.45	6	827.09	6	1,076.08	6	1,325.06	6	1,574.05	6	1,823.04	6	2,072.03	6	2,321.01
1/4	85.96	1/4	334.78	1/4	583.63	1/4	832.28	1/4	1,081.27	1/4	1,330.25	1/4	1,579.24	1/4	1,828.23	1/4	2,077.22	1/4	2,326.20
1/2	91.10	1/2	339.97	1/2	588.81	1/2	837.46	1/2	1,086.46	1/2	1,335.44	1/2	1,584.43	1/2	1,833.42	1/2	2,082.41	1/2	2,331.39
3/4	96.23	3/4	345.15	3/4	593.98	3/4	842.65	3/4	1,091.64	3/4	1,340.62	3/4	1,589.61	3/4	1,838.60	3/4	2,087.59	3/4	2,336.57
7	101.37	7	350.34	7	599.16	7	847.84	7	1,096.83	7	1,345.81	7	1,594.80	7	1,843.79	7	2,092.77	7	2,341.76
1/4	106.56	1/4	355.53	1/4	604.34	1/4	853.03	1/4	1,102.02	1/4	1,351.00	1/4	1,599.99	1/4	1,848.98	1/4	2,097.97	1/4	2,346.95
1/2	111.74	1/2	360.71	1/2	609.51	1/2	858.21	1/2	1,107.21	1/2	1,356.19	1/2	1,605.17	1/2	1,854.17	1/2	2,103.16	1/2	2,352.13
3/4	116.93	3/4	365.90	3/4	614.69	3/4	863.40	3/4	1,112.39	3/4	1,361.37	3/4	1,610.36	3/4	1,859.35	3/4	2,108.34	3/4	2,357.32
8	122.11	8	371.08	8	619.86	8	868.59	8	1,117.58	8	1,366.56	8	1,615.54	8	1,864.54	8	2,113.53	8	2,362.50
1/4	127.30	1/4	376.27	1/4	625.04	1/4	873.78	1/4	1,122.77	1/4	1,371.75	1/4	1,620.73	1/4	1,869.73	1/4	2,118.72	1/4	2,367.69
1/2	132.49	1/2	381.46	1/2	630.22	1/2	878.96	1/2	1,127.96	1/2	1,376.94	1/2	1,625.92	1/2	1,874.92	1/2	2,123.91	1/2	2,372.88
3/4	137.67	3/4	386.64	3/4	635.39	3/4	884.15	3/4	1,133.14	3/4	1,382.12	3/4	1,631.10	3/4	1,880.10	3/4	2,129.09	3/4	2,378.06
9	142.86	9	391.83	9	640.57	9	889.34	9	1,138.33	9	1,387.31	9	1,636.29	9	1,885.29	9	2,134.28	9	2,383.25
1/4	148.05	1/4	397.02	1/4	645.75	1/4	894.53	1/4	1,143.52	1/4	1,392.50	1/4	1,641.48	1/4	1,890.48	1/4	2,139.47	1/4	2,388.44
1/2	153.24	1/2	402.21	1/2	650.92	1/2	899.71	1/2	1,148.71	1/2	1,397.69	1/2	1,646.67	1/2	1,895.67	1/2	2,144.66	1/2	2,393.63
3/4	158.42	3/4	407.39	3/4	656.09	3/4	904.90	3/4	1,153.89	3/4	1,402.87	3/4	1,651.85	3/4	1,900.85	3/4	2,149.84	3/4	2,398.81
10	163.61	10	412.58	10	661.27	10	910.09	10	1,159.08	10	1,408.06	10	1,657.04	10	1,906.04	10	2,155.03	10	2,404.00
1/4	168.80	1/4	417.77	1/4	666.45	1/4	915.28	1/4	1,164.27	1/4	1,413.25	1/4	1,662.23	1/4	1,911.23	1/4	2,160.22	1/4	2,409.19
1/2	173.99	1/2	422.96	1/2	671.62	1/2	920.46	1/2	1,169.45	1/2	1,418.44	1/2	1,667.42	1/2	1,916.42	1/2	2,165.41	1/2	2,414.37
3/4	179.17	3/4	428.14	3/4	676.80	3/4	925.65	3/4	1,174.64	3/4	1,423.62	3/4	1,672.60	3/4	1,921.60	3/4	2,170.59	3/4	2,419.56
11	184.36	11	433.33	11	681.98	11	930.84	11	1,179.82	11	1,428.81	11	1,677.79	11	1,926.79	11	2,175.78	11	2,424.74
1/4	189.55	1/4	438.52	1/4	687.15	1/4	936.03	1/4	1,185.01	1/4	1,434.00	1/4	1,682.98	1/4	1,931.98	1/4	2,180.97	1/4	2,429.93
1/2	194.73	1/2	443.70	1/2	692.33	1/2	941.21	1/2	1,190.20	1/2	1,439.19	1/2	1,688.17	1/2	1,937.17	1/2	2,186.16	1/2	2,435.12
3/4	199.92	3/4	448.89	3/4	697.50	3/4	946.40	3/4	1,195.38	3/4	1,444.37	3/4	1,693.35	3/4	1,942.35	3/4	2,191.34	3/4	2,440.30

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 WITH "MMC" CLOSED GAUGING DEVICE.

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
<http://www.pmacorp.net>



BARGE "CBC 22"

1 CENTER INNAGE TABLE

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

FORMERLY "GBL 1710 AND KIRBY 10379"

GAUGE HEIGHT 17'-10 1/2"

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	2,445.49	0	2,685.64	0	2,916.21	0	3,146.78	0	3,377.35	0		0		0		0		0	
1/4	2,450.68	1/4	2,690.44	1/4	2,921.01	1/4	3,151.58	1/4	3,382.15	1/4		1/4		1/4		1/4		1/4	
1/2	2,455.87	1/2	2,695.24	1/2	2,925.81	1/2	3,156.38	1/2	3,386.96	1/2		1/2		1/2		1/2		1/2	
3/4	2,461.05	3/4	2,700.05	3/4	2,930.62	3/4	3,161.19	3/4	3,391.76	3/4		3/4		3/4		3/4		3/4	
1	2,466.24	1	2,704.85	1	2,935.42	1	3,165.99	1	3,396.57	1		1		1		1		1	
1/4	2,471.43	1/4	2,709.65	1/4	2,940.22	1/4	3,170.79	1/4	3,401.37	1/4		1/4		1/4		1/4		1/4	
1/2	2,476.62	1/2	2,714.46	1/2	2,945.02	1/2	3,175.60	1/2	3,406.17	1/2		1/2		1/2		1/2		1/2	
3/4	2,481.80	3/4	2,719.26	3/4	2,949.83	3/4	3,180.40	3/4	3,410.98	3/4		3/4		3/4		3/4		3/4	
2	2,486.99	2	2,724.07	2	2,954.63	2	3,185.21	2	3,415.78	2		2		2		2		2	
1/4	2,492.18	1/4	2,728.87	1/4	2,959.43	1/4	3,190.01	1/4	3,420.58	1/4		1/4		1/4		1/4		1/4	
1/2	2,497.36	1/2	2,733.67	1/2	2,964.24	1/2	3,194.81	1/2	3,425.39	1/2		1/2		1/2		1/2		1/2	
3/4	2,502.55	3/4	2,738.48	3/4	2,969.04	3/4	3,199.62	3/4	3,430.19	3/4		3/4		3/4		3/4		3/4	
3	2,507.73	3	2,743.28	3	2,973.85	3	3,204.42	3	3,435.00	3		3		3		3		3	
1/4	2,512.92	1/4	2,748.08	1/4	2,978.65	1/4	3,209.22	1/4	3,439.59	1/4		1/4		1/4		1/4		1/4	
1/2	2,518.11	1/2	2,752.89	1/2	2,983.45	1/2	3,214.03	1/2	3,444.19	1/2		1/2		1/2		1/2		1/2	
3/4	2,523.29	3/4	2,757.69	3/4	2,988.26	3/4	3,218.83	3/4	3,448.78	3/4		3/4		3/4		3/4		3/4	
4	2,528.48	4	2,762.50	4	2,993.06	4	3,223.64	4	3,453.38	4		4		4		4		4	
1/4	2,533.67	1/4	2,767.30	1/4	2,997.86	1/4	3,228.44	1/4	3,457.26	1/4		1/4		1/4		1/4		1/4	
1/2	2,538.86	1/2	2,772.10	1/2	3,002.67	1/2	3,233.24	1/2	3,461.14	1/2		1/2		1/2		1/2		1/2	
3/4	2,544.04	3/4	2,776.91	3/4	3,007.47	3/4	3,238.05	3/4	3,465.02	3/4		3/4		3/4		3/4		3/4	
5	2,549.23	5	2,781.71	5	3,012.28	5	3,242.85	5	3,468.90	5		5		5		5		5	
1/4	2,554.42	1/4	2,786.51	1/4	3,017.08	1/4	3,247.65	1/4	3,472.04	1/4		1/4		1/4		1/4		1/4	
1/2	2,559.60	1/2	2,791.31	1/2	3,021.88	1/2	3,252.46	1/2	3,475.18	1/2		1/2		1/2		1/2		1/2	
3/4	2,564.79	3/4	2,796.12	3/4	3,026.69	3/4	3,257.26	3/4	3,478.32	3/4		3/4		3/4		3/4		3/4	
6	2,569.97	6	2,800.92	6	3,031.49	6	3,262.07	6	3,481.46	6		6		6		6		6	
1/4	2,574.87	1/4	2,805.72	1/4	3,036.29	1/4	3,266.87	1/4	3,483.86	1/4		1/4		1/4		1/4		1/4	
1/2	2,579.77	1/2	2,810.53	1/2	3,041.10	1/2	3,271.67	1/2	3,486.26	1/2		1/2		1/2		1/2		1/2	
3/4	2,584.67	3/4	2,815.33	3/4	3,045.90	3/4	3,276.48	3/4	3,488.67	3/4		3/4		3/4		3/4		3/4	
7	2,589.57	7	2,820.14	7	3,050.71	7	3,281.28	7	3,491.07	7		7		7		7		7	
1/4	2,594.38	1/4	2,824.94	1/4	3,055.51	1/4	3,286.08	1/4	3,492.73	1/4		1/4		1/4		1/4		1/4	
1/2	2,599.18	1/2	2,829.74	1/2	3,060.31	1/2	3,290.89	1/2	3,494.39	1/2		1/2		1/2		1/2		1/2	
3/4	2,603.99	3/4	2,834.55	3/4	3,065.12	3/4	3,295.69	3/4	3,496.06	3/4		3/4		3/4		3/4		3/4	
8	2,608.79	8	2,839.35	8	3,069.92	8	3,300.50	8	3,497.72	8		8		8		8		8	
1/4	2,613.59	1/4	2,844.15	1/4	3,074.72	1/4	3,305.30	1/4	3,498.64	1/4		1/4		1/4		1/4		1/4	
1/2	2,618.40	1/2	2,848.95	1/2	3,079.53	1/2	3,310.10	1/2	3,499.57	1/2		1/2		1/2		1/2		1/2	
3/4	2,623.20	3/4	2,853.76	3/4	3,084.33	3/4	3,314.91	3/4	3,500.49	3/4		3/4		3/4		3/4		3/4	
9	2,628.00	9	2,858.56	9	3,089.14	9	3,319.71	9	3,501.42	9		9		9		9		9	
1/4	2,632.80	1/4	2,863.36	1/4	3,093.94	1/4	3,324.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,637.61	1/2	2,868.17	1/2	3,098.74	1/2	3,329.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,642.41	3/4	2,872.97	3/4	3,103.55	3/4	3,334.12	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,647.21	10	2,877.78	10	3,108.35	10	3,338.93	10		10		10		10		10		10	
1/4	2,652.01	1/4	2,882.58	1/4	3,113.15	1/4	3,343.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,656.82	1/2	2,887.38	1/2	3,117.96	1/2	3,348.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,661.62	3/4	2,892.19	3/4	3,122.76	3/4	3,353.34	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,666.43	11	2,896.99	11	3,127.57	11	3,358.14	11		11		11		11		11		11	
1/4	2,671.23	1/4	2,901.79	1/4	3,132.37	1/4	3,362.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,676.03	1/2	2,906.60	1/2	3,137.17	1/2	3,367.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,680.84	3/4	2,911.40	3/4	3,141.98	3/4	3,372.55	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 22"

2 CENTER INNAGE TABLE

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

FORMERLY "GBL 1710 AND KIRBY 10379"

GAUGE HEIGHT 17'-10 7/8"

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	206.87	0	455.70	0	704.17	0	952.95	0	1,201.79	0	1,450.64	0	1,699.49	0	1,948.35	0	2,197.20
1/4	2.05	1/4	212.06	1/4	460.89	1/4	709.35	1/4	958.13	1/4	1,206.98	1/4	1,455.82	1/4	1,704.68	1/4	1,953.54	1/4	2,202.38
1/2	3.00	1/2	217.24	1/2	466.07	1/2	714.52	1/2	963.32	1/2	1,212.16	1/2	1,461.01	1/2	1,709.86	1/2	1,958.72	1/2	2,207.57
3/4	3.95	3/4	222.43	3/4	471.26	3/4	719.70	3/4	968.50	3/4	1,217.35	3/4	1,466.19	3/4	1,715.05	3/4	1,963.91	3/4	2,212.75
1	5.33	1	227.61	1	476.44	1	724.87	1	973.68	1	1,222.53	1	1,471.38	1	1,720.23	1	1,969.09	1	2,217.94
1/4	7.56	1/4	232.79	1/4	481.62	1/4	730.05	1/4	978.86	1/4	1,227.72	1/4	1,476.56	1/4	1,725.42	1/4	1,974.28	1/4	2,223.12
1/2	10.23	1/2	237.98	1/2	486.81	1/2	735.22	1/2	984.05	1/2	1,232.90	1/2	1,481.75	1/2	1,730.60	1/2	1,979.46	1/2	2,228.31
3/4	12.89	3/4	243.16	3/4	491.99	3/4	740.40	3/4	989.23	3/4	1,238.09	3/4	1,486.93	3/4	1,735.79	3/4	1,984.65	3/4	2,233.49
2	15.91	2	248.34	2	497.17	2	745.57	2	994.42	2	1,243.27	2	1,492.11	2	1,740.97	2	1,989.83	2	2,238.67
1/4	19.65	1/4	253.53	1/4	502.35	1/4	750.76	1/4	999.60	1/4	1,248.46	1/4	1,497.30	1/4	1,746.16	1/4	1,995.01	1/4	2,243.86
1/2	23.74	1/2	258.71	1/2	507.54	1/2	755.94	1/2	1,004.79	1/2	1,253.64	1/2	1,502.48	1/2	1,751.34	1/2	2,000.20	1/2	2,249.04
3/4	27.84	3/4	263.90	3/4	512.72	3/4	761.13	3/4	1,009.98	3/4	1,258.83	3/4	1,507.67	3/4	1,756.53	3/4	2,005.38	3/4	2,254.23
3	32.02	3	269.08	3	517.90	3	766.31	3	1,015.16	3	1,264.01	3	1,512.85	3	1,761.71	3	2,010.56	3	2,259.41
1/4	36.40	1/4	274.27	1/4	523.08	1/4	771.50	1/4	1,020.35	1/4	1,269.19	1/4	1,518.04	1/4	1,766.89	1/4	2,015.74	1/4	2,264.59
1/2	40.88	1/2	279.45	1/2	528.26	1/2	776.68	1/2	1,025.53	1/2	1,274.38	1/2	1,523.22	1/2	1,772.08	1/2	2,020.93	1/2	2,269.78
3/4	45.35	3/4	284.64	3/4	533.44	3/4	781.87	3/4	1,030.72	3/4	1,279.56	3/4	1,528.41	3/4	1,777.26	3/4	2,026.11	3/4	2,274.96
4	49.76	4	289.82	4	538.62	4	787.05	4	1,035.90	4	1,284.74	4	1,533.59	4	1,782.44	4	2,031.30	4	2,280.14
1/4	54.04	1/4	295.00	1/4	543.80	1/4	792.23	1/4	1,041.08	1/4	1,289.93	1/4	1,538.78	1/4	1,787.62	1/4	2,036.48	1/4	2,285.32
1/2	58.27	1/2	300.19	1/2	548.97	1/2	797.42	1/2	1,046.27	1/2	1,295.11	1/2	1,543.96	1/2	1,792.81	1/2	2,041.67	1/2	2,290.51
3/4	62.49	3/4	305.37	3/4	554.15	3/4	802.60	3/4	1,051.45	3/4	1,300.30	3/4	1,549.15	3/4	1,797.99	3/4	2,046.85	3/4	2,295.69
5	66.74	5	310.55	5	559.32	5	807.78	5	1,056.63	5	1,305.48	5	1,554.33	5	1,803.18	5	2,052.04	5	2,300.88
1/4	71.06	1/4	315.74	1/4	564.49	1/4	812.96	1/4	1,061.82	1/4	1,310.67	1/4	1,559.51	1/4	1,808.36	1/4	2,057.22	1/4	2,306.06
1/2	75.40	1/2	320.92	1/2	569.67	1/2	818.15	1/2	1,067.00	1/2	1,315.85	1/2	1,564.70	1/2	1,813.55	1/2	2,062.41	1/2	2,311.25
3/4	79.75	3/4	326.11	3/4	574.84	3/4	823.33	3/4	1,072.19	3/4	1,321.04	3/4	1,569.88	3/4	1,818.73	3/4	2,067.59	3/4	2,316.43
6	84.20	6	331.29	6	580.01	6	828.52	6	1,077.37	6	1,326.22	6	1,575.06	6	1,823.92	6	2,072.78	6	2,321.62
1/4	88.87	1/4	336.47	1/4	585.18	1/4	833.70	1/4	1,082.56	1/4	1,331.40	1/4	1,580.24	1/4	1,829.10	1/4	2,077.96	1/4	2,326.80
1/2	93.64	1/2	341.66	1/2	590.36	1/2	838.89	1/2	1,087.74	1/2	1,336.59	1/2	1,585.43	1/2	1,834.29	1/2	2,083.15	1/2	2,331.99
3/4	98.42	3/4	346.84	3/4	595.53	3/4	844.07	3/4	1,092.93	3/4	1,341.77	3/4	1,590.61	3/4	1,839.47	3/4	2,088.33	3/4	2,337.17
7	103.29	7	352.02	7	600.70	7	849.26	7	1,098.11	7	1,346.95	7	1,595.80	7	1,844.66	7	2,093.52	7	2,342.35
1/4	108.38	1/4	357.21	1/4	605.88	1/4	854.44	1/4	1,103.29	1/4	1,352.14	1/4	1,600.98	1/4	1,849.84	1/4	2,098.70	1/4	2,347.54
1/2	113.56	1/2	362.39	1/2	611.05	1/2	859.63	1/2	1,108.48	1/2	1,357.32	1/2	1,606.17	1/2	1,855.03	1/2	2,103.89	1/2	2,352.72
3/4	118.75	3/4	367.58	3/4	616.23	3/4	864.81	3/4	1,113.66	3/4	1,362.51	3/4	1,611.35	3/4	1,860.21	3/4	2,109.07	3/4	2,357.91
8	123.93	8	372.76	8	621.40	8	870.00	8	1,118.84	8	1,367.69	8	1,616.54	8	1,865.40	8	2,114.25	8	2,363.09
1/4	129.11	1/4	377.95	1/4	626.57	1/4	875.18	1/4	1,124.03	1/4	1,372.88	1/4	1,621.72	1/4	1,870.58	1/4	2,119.44	1/4	2,368.27
1/2	134.30	1/2	383.13	1/2	631.75	1/2	880.37	1/2	1,129.21	1/2	1,378.06	1/2	1,626.91	1/2	1,875.77	1/2	2,124.62	1/2	2,373.46
3/4	139.48	3/4	388.32	3/4	636.92	3/4	885.55	3/4	1,134.40	3/4	1,383.25	3/4	1,632.09	3/4	1,880.95	3/4	2,129.81	3/4	2,378.64
9	144.66	9	393.50	9	642.09	9	890.73	9	1,139.58	9	1,388.43	9	1,637.28	9	1,886.13	9	2,134.99	9	2,383.82
1/4	149.85	1/4	398.68	1/4	647.27	1/4	895.92	1/4	1,144.77	1/4	1,393.62	1/4	1,642.46	1/4	1,891.32	1/4	2,140.18	1/4	2,389.00
1/2	155.03	1/2	403.87	1/2	652.44	1/2	901.10	1/2	1,149.95	1/2	1,398.80	1/2	1,647.65	1/2	1,896.50	1/2	2,145.36	1/2	2,394.19
3/4	160.22	3/4	409.05	3/4	657.62	3/4	906.29	3/4	1,155.14	3/4	1,403.99	3/4	1,652.83	3/4	1,901.69	3/4	2,150.55	3/4	2,399.37
10	165.40	10	414.23	10	662.79	10	911.47	10	1,160.32	10	1,409.17	10	1,658.01	10	1,906.87	10	2,155.73	10	2,404.56
1/4	170.58	1/4	419.42	1/4	667.96	1/4	916.66	1/4	1,165.51	1/4	1,414.35	1/4	1,663.20	1/4	1,912.06	1/4	2,160.92	1/4	2,409.74
1/2	175.77	1/2	424.60	1/2	673.14	1/2	921.84	1/2	1,170.69	1/2	1,419.54	1/2	1,668.38	1/2	1,917.24	1/2	2,166.10	1/2	2,414.93
3/4	180.95	3/4	429.79	3/4	678.31	3/4	927.03	3/4	1,175.88	3/4	1,424.72	3/4	1,673.57	3/4	1,922.43	3/4	2,171.29	3/4	2,420.11
11	186.13	11	434.97	11	683.48	11	932.21	11	1,181.06	11	1,429.90	11	1,678.75	11	1,927.61	11	2,176.47	11	2,425.29
1/4	191.32	1/4	440.15	1/4	688.65	1/4	937.40	1/4	1,186.24	1/4	1,435.09	1/4	1,683.94	1/4	1,932.80	1/4	2,181.65	1/4	2,430.48
1/2	196.50	1/2	445.34	1/2	693.83	1/2	942.58	1/2	1,191.43	1/2	1,440.27	1/2	1,689.12	1/2	1,937.98	1/2	2,186.84	1/2	2,435.66
3/4	201.69	3/4	450.52	3/4	699.00	3/4	947.77	3/4	1,196.61	3/4	1,445.46	3/4	1,694.31	3/4	1,943.17	3/4	2,192.02	3/4	2,440.85

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 WITH "MMC" CLOSED GAUGING DEVICE.

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 22"

2 CENTER INNAGE TABLE

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

FORMERLY "GBL 1710 AND KIRBY 10379"

GAUGE HEIGHT 17'-10 7/8"

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	2,446.03	0	2,694.86	0	2,943.69	0	3,192.58	0	3,441.48	0		0		0		0		0	
1/4	2,451.22	1/4	2,700.04	1/4	2,948.88	1/4	3,197.77	1/4	3,446.66	1/4		1/4		1/4		1/4		1/4	
1/2	2,456.40	1/2	2,705.23	1/2	2,954.06	1/2	3,202.96	1/2	3,451.85	1/2		1/2		1/2		1/2		1/2	
3/4	2,461.59	3/4	2,710.41	3/4	2,959.25	3/4	3,208.14	3/4	3,457.03	3/4		3/4		3/4		3/4		3/4	
1	2,466.77	1	2,715.59	1	2,964.43	1	3,213.33	1	3,462.22	1		1		1		1		1	
1/4	2,471.95	1/4	2,720.78	1/4	2,969.62	1/4	3,218.52	1/4	3,467.40	1/4		1/4		1/4		1/4		1/4	
1/2	2,477.14	1/2	2,725.96	1/2	2,974.80	1/2	3,223.70	1/2	3,472.59	1/2		1/2		1/2		1/2		1/2	
3/4	2,482.32	3/4	2,731.15	3/4	2,979.99	3/4	3,228.89	3/4	3,477.77	3/4		3/4		3/4		3/4		3/4	
2	2,487.50	2	2,736.33	2	2,985.17	2	3,234.07	2	3,482.96	2		2		2		2		2	
1/4	2,492.68	1/4	2,741.52	1/4	2,990.36	1/4	3,239.26	1/4	3,488.15	1/4		1/4		1/4		1/4		1/4	
1/2	2,497.87	1/2	2,746.70	1/2	2,995.54	1/2	3,244.44	1/2	3,493.34	1/2		1/2		1/2		1/2		1/2	
3/4	2,503.05	3/4	2,751.89	3/4	3,000.73	3/4	3,249.63	3/4	3,498.52	3/4		3/4		3/4		3/4		3/4	
3	2,508.24	3	2,757.07	3	3,005.91	3	3,254.81	3	3,503.63	3		3		3		3		3	
1/4	2,513.42	1/4	2,762.25	1/4	3,011.10	1/4	3,260.00	1/4	3,508.59	1/4		1/4		1/4		1/4		1/4	
1/2	2,518.61	1/2	2,767.44	1/2	3,016.28	1/2	3,265.18	1/2	3,513.47	1/2		1/2		1/2		1/2		1/2	
3/4	2,523.79	3/4	2,772.62	3/4	3,021.47	3/4	3,270.37	3/4	3,518.35	3/4		3/4		3/4		3/4		3/4	
4	2,528.97	4	2,777.80	4	3,026.65	4	3,275.55	4	3,523.03	4		4		4		4		4	
1/4	2,534.16	1/4	2,782.98	1/4	3,031.84	1/4	3,280.74	1/4	3,527.32	1/4		1/4		1/4		1/4		1/4	
1/2	2,539.34	1/2	2,788.17	1/2	3,037.03	1/2	3,285.92	1/2	3,531.41	1/2		1/2		1/2		1/2		1/2	
3/4	2,544.53	3/4	2,793.35	3/4	3,042.21	3/4	3,291.11	3/4	3,535.49	3/4		3/4		3/4		3/4		3/4	
5	2,549.71	5	2,798.54	5	3,047.40	5	3,296.29	5	3,539.38	5		5		5		5		5	
1/4	2,554.89	1/4	2,803.72	1/4	3,052.58	1/4	3,301.48	1/4	3,542.87	1/4		1/4		1/4		1/4		1/4	
1/2	2,560.08	1/2	2,808.91	1/2	3,057.77	1/2	3,306.66	1/2	3,546.16	1/2		1/2		1/2		1/2		1/2	
3/4	2,565.26	3/4	2,814.09	3/4	3,062.95	3/4	3,311.85	3/4	3,549.45	3/4		3/4		3/4		3/4		3/4	
6	2,570.44	6	2,819.27	6	3,068.14	6	3,317.03	6	3,552.54	6		6		6		6		6	
1/4	2,575.62	1/4	2,824.46	1/4	3,073.32	1/4	3,322.22	1/4	3,555.23	1/4		1/4		1/4		1/4		1/4	
1/2	2,580.81	1/2	2,829.64	1/2	3,078.51	1/2	3,327.40	1/2	3,557.73	1/2		1/2		1/2		1/2		1/2	
3/4	2,585.99	3/4	2,834.83	3/4	3,083.69	3/4	3,332.59	3/4	3,560.22	3/4		3/4		3/4		3/4		3/4	
7	2,591.18	7	2,840.01	7	3,088.88	7	3,337.77	7	3,562.52	7		7		7		7		7	
1/4	2,596.36	1/4	2,845.19	1/4	3,094.06	1/4	3,342.96	1/4	3,564.41	1/4		1/4		1/4		1/4		1/4	
1/2	2,601.55	1/2	2,850.38	1/2	3,099.25	1/2	3,348.15	1/2	3,566.11	1/2		1/2		1/2		1/2		1/2	
3/4	2,606.73	3/4	2,855.56	3/4	3,104.43	3/4	3,353.33	3/4	3,567.80	3/4		3/4		3/4		3/4		3/4	
8	2,611.92	8	2,860.74	8	3,109.62	8	3,358.52	8	3,569.31	8		8		8		8		8	
1/4	2,617.10	1/4	2,865.92	1/4	3,114.80	1/4	3,363.70	1/4	3,570.45	1/4		1/4		1/4		1/4		1/4	
1/2	2,622.29	1/2	2,871.11	1/2	3,119.99	1/2	3,368.89	1/2	3,571.39	1/2		1/2		1/2		1/2		1/2	
3/4	2,627.47	3/4	2,876.29	3/4	3,125.17	3/4	3,374.07	3/4	3,572.34	3/4		3/4		3/4		3/4		3/4	
9	2,632.65	9	2,881.48	9	3,130.36	9	3,379.26	9	3,572.81	9		9		9		9		9	
1/4	2,637.84	1/4	2,886.66	1/4	3,135.54	1/4	3,384.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,643.02	1/2	2,891.85	1/2	3,140.73	1/2	3,389.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,648.21	3/4	2,897.03	3/4	3,145.91	3/4	3,394.81	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,653.39	10	2,902.22	10	3,151.10	10	3,400.00	10		10		10		10		10		10	
1/4	2,658.57	1/4	2,907.40	1/4	3,156.28	1/4	3,405.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,663.76	1/2	2,912.59	1/2	3,161.47	1/2	3,410.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,668.94	3/4	2,917.77	3/4	3,166.65	3/4	3,415.55	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,674.12	11	2,922.95	11	3,171.84	11	3,420.74	11		11		11		11		11		11	
1/4	2,679.30	1/4	2,928.14	1/4	3,177.02	1/4	3,425.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,684.49	1/2	2,933.32	1/2	3,182.21	1/2	3,431.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,689.67	3/4	2,938.51	3/4	3,187.39	3/4	3,436.29	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
<http://www.pmacorp.net>



BARGE "CBC 22"

3 CENTER INNAGE TABLE

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

FORMERLY "GBL 1710 AND KIRBY 10379"

GAUGE HEIGHT 17'-11"

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	0.63	0	204.55	0	453.68	0	702.45	0	951.51	0	1,200.66	0	1,449.80	0	1,698.95	0	1,948.10	0	2,197.26
1/4	1.58	1/4	209.74	1/4	458.87	1/4	707.63	1/4	956.71	1/4	1,205.85	1/4	1,454.99	1/4	1,704.14	1/4	1,953.30	1/4	2,202.45
1/2	2.53	1/2	214.93	1/2	464.06	1/2	712.81	1/2	961.90	1/2	1,211.04	1/2	1,460.18	1/2	1,709.33	1/2	1,958.49	1/2	2,207.64
3/4	3.48	3/4	220.12	3/4	469.25	3/4	717.99	3/4	967.09	3/4	1,216.23	3/4	1,465.37	3/4	1,714.52	3/4	1,963.68	3/4	2,212.83
1	4.43	1	225.31	1	474.44	1	723.17	1	972.28	1	1,221.42	1	1,470.56	1	1,719.71	1	1,968.87	1	2,218.02
1/4	6.23	1/4	230.50	1/4	479.62	1/4	728.35	1/4	977.47	1/4	1,226.61	1/4	1,475.76	1/4	1,724.90	1/4	1,974.06	1/4	2,223.21
1/2	8.90	1/2	235.69	1/2	484.81	1/2	733.53	1/2	982.66	1/2	1,231.80	1/2	1,480.95	1/2	1,730.09	1/2	1,979.25	1/2	2,228.40
3/4	11.57	3/4	240.88	3/4	490.00	3/4	738.72	3/4	987.85	3/4	1,236.99	3/4	1,486.14	3/4	1,735.28	3/4	1,984.44	3/4	2,233.59
2	14.24	2	246.07	2	495.19	2	743.90	2	993.04	2	1,242.18	2	1,491.33	2	1,740.47	2	1,989.63	2	2,238.78
1/4	17.62	1/4	251.26	1/4	500.38	1/4	749.09	1/4	998.23	1/4	1,247.38	1/4	1,496.52	1/4	1,745.67	1/4	1,994.82	1/4	2,243.97
1/2	21.72	1/2	256.45	1/2	505.57	1/2	754.28	1/2	1,003.42	1/2	1,252.57	1/2	1,501.71	1/2	1,750.86	1/2	2,000.01	1/2	2,249.16
3/4	25.82	3/4	261.64	3/4	510.76	3/4	759.47	3/4	1,008.61	3/4	1,257.76	3/4	1,506.90	3/4	1,756.05	3/4	2,005.20	3/4	2,254.35
3	29.92	3	266.83	3	515.95	3	764.66	3	1,013.80	3	1,262.95	3	1,512.09	3	1,761.24	3	2,010.39	3	2,259.54
1/4	34.21	1/4	272.02	1/4	521.13	1/4	769.85	1/4	1,018.99	1/4	1,268.14	1/4	1,517.28	1/4	1,766.43	1/4	2,015.59	1/4	2,264.73
1/2	38.69	1/2	277.21	1/2	526.32	1/2	775.04	1/2	1,024.18	1/2	1,273.33	1/2	1,522.47	1/2	1,771.62	1/2	2,020.78	1/2	2,269.92
3/4	43.16	3/4	282.40	3/4	531.51	3/4	780.23	3/4	1,029.37	3/4	1,278.52	3/4	1,527.66	3/4	1,776.81	3/4	2,025.97	3/4	2,275.11
4	47.64	4	287.59	4	536.70	4	785.42	4	1,034.56	4	1,283.71	4	1,532.85	4	1,782.00	4	2,031.16	4	2,280.30
1/4	52.00	1/4	292.79	1/4	541.88	1/4	790.61	1/4	1,039.75	1/4	1,288.90	1/4	1,538.04	1/4	1,787.19	1/4	2,036.35	1/4	2,285.49
1/2	56.23	1/2	297.98	1/2	547.06	1/2	795.80	1/2	1,044.94	1/2	1,294.09	1/2	1,543.23	1/2	1,792.38	1/2	2,041.54	1/2	2,290.68
3/4	60.46	3/4	303.17	3/4	552.24	3/4	800.99	3/4	1,050.13	3/4	1,299.28	3/4	1,548.42	3/4	1,797.57	3/4	2,046.73	3/4	2,295.87
5	64.69	5	308.36	5	557.42	5	806.18	5	1,055.32	5	1,304.47	5	1,553.61	5	1,802.76	5	2,051.92	5	2,301.06
1/4	68.98	1/4	313.55	1/4	562.60	1/4	811.37	1/4	1,060.52	1/4	1,309.66	1/4	1,558.80	1/4	1,807.96	1/4	2,057.11	1/4	2,306.25
1/2	73.33	1/2	318.74	1/2	567.78	1/2	816.56	1/2	1,065.71	1/2	1,314.85	1/2	1,563.99	1/2	1,813.15	1/2	2,062.30	1/2	2,311.44
3/4	77.68	3/4	323.93	3/4	572.96	3/4	821.75	3/4	1,070.90	3/4	1,320.04	3/4	1,569.18	3/4	1,818.34	3/4	2,067.49	3/4	2,316.63
6	82.03	6	329.12	6	578.14	6	826.94	6	1,076.09	6	1,325.23	6	1,574.37	6	1,823.53	6	2,072.68	6	2,321.82
1/4	86.60	1/4	334.31	1/4	583.32	1/4	832.13	1/4	1,081.28	1/4	1,330.42	1/4	1,579.57	1/4	1,828.72	1/4	2,077.87	1/4	2,327.01
1/2	91.38	1/2	339.50	1/2	588.50	1/2	837.32	1/2	1,086.47	1/2	1,335.61	1/2	1,584.76	1/2	1,833.91	1/2	2,083.06	1/2	2,332.20
3/4	96.17	3/4	344.69	3/4	593.67	3/4	842.51	3/4	1,091.66	3/4	1,340.80	3/4	1,589.95	3/4	1,839.10	3/4	2,088.25	3/4	2,337.39
7	100.95	7	349.88	7	598.85	7	847.70	7	1,096.85	7	1,345.99	7	1,595.14	7	1,844.29	7	2,093.44	7	2,342.58
1/4	105.94	1/4	355.07	1/4	604.03	1/4	852.89	1/4	1,102.04	1/4	1,351.19	1/4	1,600.33	1/4	1,849.48	1/4	2,098.64	1/4	2,347.77
1/2	111.13	1/2	360.26	1/2	609.21	1/2	858.08	1/2	1,107.23	1/2	1,356.38	1/2	1,605.52	1/2	1,854.67	1/2	2,103.83	1/2	2,352.96
3/4	116.32	3/4	365.45	3/4	614.39	3/4	863.28	3/4	1,112.42	3/4	1,361.57	3/4	1,610.71	3/4	1,859.86	3/4	2,109.02	3/4	2,358.15
8	121.51	8	370.64	8	619.57	8	868.47	8	1,117.61	8	1,366.76	8	1,615.90	8	1,865.05	8	2,114.21	8	2,363.34
1/4	126.70	1/4	375.83	1/4	624.75	1/4	873.66	1/4	1,122.80	1/4	1,371.95	1/4	1,621.09	1/4	1,870.25	1/4	2,119.40	1/4	2,368.53
1/2	131.89	1/2	381.02	1/2	629.93	1/2	878.85	1/2	1,127.99	1/2	1,377.14	1/2	1,626.28	1/2	1,875.44	1/2	2,124.59	1/2	2,373.72
3/4	137.08	3/4	386.21	3/4	635.11	3/4	884.04	3/4	1,133.18	3/4	1,382.33	3/4	1,631.47	3/4	1,880.63	3/4	2,129.78	3/4	2,378.91
9	142.27	9	391.40	9	640.29	9	889.23	9	1,138.37	9	1,387.52	9	1,636.66	9	1,885.82	9	2,134.97	9	2,384.10
1/4	147.46	1/4	396.59	1/4	645.47	1/4	894.42	1/4	1,143.57	1/4	1,392.71	1/4	1,641.85	1/4	1,891.01	1/4	2,140.16	1/4	2,389.29
1/2	152.65	1/2	401.78	1/2	650.65	1/2	899.61	1/2	1,148.76	1/2	1,397.90	1/2	1,647.04	1/2	1,896.20	1/2	2,145.35	1/2	2,394.48
3/4	157.84	3/4	406.97	3/4	655.83	3/4	904.80	3/4	1,153.95	3/4	1,403.09	3/4	1,652.23	3/4	1,901.39	3/4	2,150.54	3/4	2,399.67
10	163.03	10	412.16	10	661.01	10	909.99	10	1,159.14	10	1,408.28	10	1,657.42	10	1,906.58	10	2,155.73	10	2,404.86
1/4	168.22	1/4	417.35	1/4	666.19	1/4	915.18	1/4	1,164.33	1/4	1,413.47	1/4	1,662.62	1/4	1,911.77	1/4	2,160.92	1/4	2,410.05
1/2	173.41	1/2	422.54	1/2	671.37	1/2	920.37	1/2	1,169.52	1/2	1,418.66	1/2	1,667.81	1/2	1,916.96	1/2	2,166.11	1/2	2,415.24
3/4	178.60	3/4	427.73	3/4	676.55	3/4	925.56	3/4	1,174.71	3/4	1,423.85	3/4	1,673.00	3/4	1,922.15	3/4	2,171.30	3/4	2,420.43
11	183.79	11	432.92	11	681.73	11	930.75	11	1,179.90	11	1,429.04	11	1,678.19	11	1,927.34	11	2,176.49	11	2,425.62
1/4	188.98	1/4	438.11	1/4	686.91	1/4	935.94	1/4	1,185.09	1/4	1,434.23	1/4	1,683.38	1/4	1,932.53	1/4	2,181.69	1/4	2,430.81
1/2	194.17	1/2	443.30	1/2	692.09	1/2	941.13	1/2	1,190.28	1/2	1,439.42	1/2	1,688.57	1/2	1,937.72	1/2	2,186.88	1/2	2,436.00
3/4	199.36	3/4	448.49	3/4	697.27	3/4	946.32	3/4	1,195.47	3/4	1,444.61	3/4	1,693.76	3/4	1,942.91	3/4	2,192.07	3/4	2,441.19

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 WITH "MMC" CLOSED GAUGING DEVICE.

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 22"

3 CENTER INNAGE TABLE

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

FORMERLY "GBL 1710 AND KIRBY 10379"

GAUGE HEIGHT 17'-11"

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	2,446.38	0	2,695.51	0	2,944.63	0	3,193.82	0	3,443.01	0		0		0		0		0	
1/4	2,451.57	1/4	2,700.70	1/4	2,949.82	1/4	3,199.02	1/4	3,448.21	1/4		1/4		1/4		1/4		1/4	
1/2	2,456.76	1/2	2,705.89	1/2	2,955.01	1/2	3,204.21	1/2	3,453.40	1/2		1/2		1/2		1/2		1/2	
3/4	2,461.95	3/4	2,711.08	3/4	2,960.20	3/4	3,209.40	3/4	3,458.59	3/4		3/4		3/4		3/4		3/4	
1	2,467.14	1	2,716.27	1	2,965.39	1	3,214.59	1	3,463.78	1		1		1		1		1	
1/4	2,472.33	1/4	2,721.46	1/4	2,970.59	1/4	3,219.78	1/4	3,468.98	1/4		1/4		1/4		1/4		1/4	
1/2	2,477.52	1/2	2,726.65	1/2	2,975.78	1/2	3,224.97	1/2	3,474.17	1/2		1/2		1/2		1/2		1/2	
3/4	2,482.71	3/4	2,731.84	3/4	2,980.97	3/4	3,230.16	3/4	3,479.36	3/4		3/4		3/4		3/4		3/4	
2	2,487.90	2	2,737.03	2	2,986.16	2	3,235.35	2	3,484.55	2		2		2		2		2	
1/4	2,493.09	1/4	2,742.22	1/4	2,991.35	1/4	3,240.55	1/4	3,489.74	1/4		1/4		1/4		1/4		1/4	
1/2	2,498.28	1/2	2,747.41	1/2	2,996.54	1/2	3,245.74	1/2	3,494.93	1/2		1/2		1/2		1/2		1/2	
3/4	2,503.47	3/4	2,752.60	3/4	3,001.73	3/4	3,250.93	3/4	3,500.12	3/4		3/4		3/4		3/4		3/4	
3	2,508.66	3	2,757.79	3	3,006.92	3	3,256.12	3	3,505.31	3		3		3		3		3	
1/4	2,513.85	1/4	2,762.98	1/4	3,012.12	1/4	3,261.31	1/4	3,510.35	1/4		1/4		1/4		1/4		1/4	
1/2	2,519.04	1/2	2,768.17	1/2	3,017.31	1/2	3,266.50	1/2	3,515.24	1/2		1/2		1/2		1/2		1/2	
3/4	2,524.23	3/4	2,773.36	3/4	3,022.50	3/4	3,271.69	3/4	3,520.12	3/4		3/4		3/4		3/4		3/4	
4	2,529.42	4	2,778.55	4	3,027.69	4	3,276.88	4	3,525.01	4		4		4		4		4	
1/4	2,534.61	1/4	2,783.74	1/4	3,032.89	1/4	3,282.08	1/4	3,529.50	1/4		1/4		1/4		1/4		1/4	
1/2	2,539.80	1/2	2,788.93	1/2	3,038.08	1/2	3,287.27	1/2	3,533.59	1/2		1/2		1/2		1/2		1/2	
3/4	2,544.99	3/4	2,794.12	3/4	3,043.27	3/4	3,292.46	3/4	3,537.69	3/4		3/4		3/4		3/4		3/4	
5	2,550.18	5	2,799.31	5	3,048.46	5	3,297.65	5	3,541.78	5		5		5		5		5	
1/4	2,555.37	1/4	2,804.50	1/4	3,053.65	1/4	3,302.85	1/4	3,545.48	1/4		1/4		1/4		1/4		1/4	
1/2	2,560.56	1/2	2,809.69	1/2	3,058.84	1/2	3,308.04	1/2	3,548.77	1/2		1/2		1/2		1/2		1/2	
3/4	2,565.75	3/4	2,814.88	3/4	3,064.03	3/4	3,313.23	3/4	3,552.06	3/4		3/4		3/4		3/4		3/4	
6	2,570.94	6	2,820.07	6	3,069.22	6	3,318.42	6	3,555.35	6		6		6		6		6	
1/4	2,576.13	1/4	2,825.26	1/4	3,074.42	1/4	3,323.61	1/4	3,558.25	1/4		1/4		1/4		1/4		1/4	
1/2	2,581.32	1/2	2,830.45	1/2	3,079.61	1/2	3,328.80	1/2	3,560.75	1/2		1/2		1/2		1/2		1/2	
3/4	2,586.51	3/4	2,835.64	3/4	3,084.80	3/4	3,333.99	3/4	3,563.24	3/4		3/4		3/4		3/4		3/4	
7	2,591.70	7	2,840.83	7	3,089.99	7	3,339.18	7	3,565.74	7		7		7		7		7	
1/4	2,596.89	1/4	2,846.02	1/4	3,095.19	1/4	3,344.38	1/4	3,567.84	1/4		1/4		1/4		1/4		1/4	
1/2	2,602.08	1/2	2,851.21	1/2	3,100.38	1/2	3,349.57	1/2	3,569.54	1/2		1/2		1/2		1/2		1/2	
3/4	2,607.27	3/4	2,856.40	3/4	3,105.57	3/4	3,354.76	3/4	3,571.23	3/4		3/4		3/4		3/4		3/4	
8	2,612.46	8	2,861.59	8	3,110.76	8	3,359.95	8	3,572.93	8		8		8		8		8	
1/4	2,617.65	1/4	2,866.78	1/4	3,115.95	1/4	3,365.14	1/4	3,574.25	1/4		1/4		1/4		1/4		1/4	
1/2	2,622.84	1/2	2,871.97	1/2	3,121.14	1/2	3,370.33	1/2	3,575.20	1/2		1/2		1/2		1/2		1/2	
3/4	2,628.03	3/4	2,877.16	3/4	3,126.33	3/4	3,375.52	3/4	3,576.15	3/4		3/4		3/4		3/4		3/4	
9	2,633.22	9	2,882.35	9	3,131.52	9	3,380.71	9	3,577.10	9		9		9		9		9	
1/4	2,638.41	1/4	2,887.54	1/4	3,136.72	1/4	3,385.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,643.60	1/2	2,892.73	1/2	3,141.91	1/2	3,391.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,648.79	3/4	2,897.92	3/4	3,147.10	3/4	3,396.29	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,653.98	10	2,903.11	10	3,152.29	10	3,401.48	10		10		10		10		10		10	
1/4	2,659.18	1/4	2,908.30	1/4	3,157.48	1/4	3,406.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,664.37	1/2	2,913.49	1/2	3,162.67	1/2	3,411.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,669.56	3/4	2,918.68	3/4	3,167.86	3/4	3,417.06	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,674.75	11	2,923.87	11	3,173.05	11	3,422.25	11		11		11		11		11		11	
1/4	2,679.94	1/4	2,929.06	1/4	3,178.25	1/4	3,427.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,685.13	1/2	2,934.25	1/2	3,183.44	1/2	3,432.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,690.32	3/4	2,939.44	3/4	3,188.63	3/4	3,437.82	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: ITS
DECK MEASUREMENTS:08/032007 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 22"

ULLAGE TRIM TABLE



FORMERLY "GBL 1710 and KIRBY 10379"

	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 1 CENTER IS 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 157'-00"

July 12, 2016

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

<http://www.pmacorp.net>



BARGE "CBC 22"

1 CENTER ULLAGE TABLE

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

FORMERLY "GBL 1710 AND KIRBY 10379"

GAUGE HEIGHT 17'-10 1/2"

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		0	3,348.54	0	3,117.96	0	2,887.39	0	2,656.82	0	2,414.37	0	2,165.41
1/4		1/4		1/4		1/4		1/4	3,343.73	1/4	3,113.16	1/4	2,882.58	1/4	2,652.02	1/4	2,409.19	1/4	2,160.22
1/2		1/2		1/2		1/2		1/2	3,338.93	1/2	3,108.35	1/2	2,877.78	1/2	2,647.21	1/2	2,404.00	1/2	2,155.03
3/4		3/4		3/4		3/4		3/4	3,334.13	3/4	3,103.55	3/4	2,872.98	3/4	2,642.41	3/4	2,398.81	3/4	2,149.84
1		1		1		1		1	3,329.32	1	3,098.75	1	2,868.17	1	2,637.61	1	2,393.63	1	2,144.66
1/4		1/4		1/4		1/4		1/4	3,324.52	1/4	3,093.94	1/4	2,863.37	1/4	2,632.80	1/4	2,388.44	1/4	2,139.47
1/2		1/2		1/2		1/2	3,501.42	1/2	3,319.71	1/2	3,089.14	1/2	2,858.56	1/2	2,628.00	1/2	2,383.25	1/2	2,134.28
3/4		3/4		3/4		3/4	3,500.50	3/4	3,314.91	3/4	3,084.34	3/4	2,853.76	3/4	2,623.20	3/4	2,378.06	3/4	2,129.09
2		2		2		2	3,499.57	2	3,310.11	2	3,079.53	2	2,848.96	2	2,618.40	2	2,372.88	2	2,123.91
1/4		1/4		1/4		1/4	3,498.65	1/4	3,305.30	1/4	3,074.73	1/4	2,844.15	1/4	2,613.59	1/4	2,367.69	1/4	2,118.72
1/2		1/2		1/2		1/2	3,497.72	1/2	3,300.50	1/2	3,069.92	1/2	2,839.35	1/2	2,608.79	1/2	2,362.50	1/2	2,113.53
3/4		3/4		3/4		3/4	3,496.06	3/4	3,295.70	3/4	3,065.12	3/4	2,834.55	3/4	2,603.99	3/4	2,357.32	3/4	2,108.34
3		3		3		3	3,494.40	3	3,290.89	3	3,060.32	3	2,829.75	3	2,599.18	3	2,352.13	3	2,103.16
1/4		1/4		1/4		1/4	3,492.73	1/4	3,286.09	1/4	3,055.51	1/4	2,824.94	1/4	2,594.38	1/4	2,346.95	1/4	2,097.97
1/2		1/2		1/2		1/2	3,491.07	1/2	3,281.28	1/2	3,050.71	1/2	2,820.14	1/2	2,589.57	1/2	2,341.76	1/2	2,092.78
3/4		3/4		3/4		3/4	3,488.67	3/4	3,276.48	3/4	3,045.91	3/4	2,815.34	3/4	2,584.67	3/4	2,336.57	3/4	2,087.59
4		4		4		4	3,486.27	4	3,271.68	4	3,041.10	4	2,810.53	4	2,579.77	4	2,331.39	4	2,082.41
1/4		1/4		1/4		1/4	3,483.86	1/4	3,266.87	1/4	3,036.30	1/4	2,805.73	1/4	2,574.87	1/4	2,326.20	1/4	2,077.22
1/2		1/2		1/2		1/2	3,481.46	1/2	3,262.07	1/2	3,031.49	1/2	2,800.92	1/2	2,569.97	1/2	2,321.01	1/2	2,072.03
3/4		3/4		3/4		3/4	3,478.32	3/4	3,257.27	3/4	3,026.69	3/4	2,796.12	3/4	2,564.79	3/4	2,315.82	3/4	2,066.85
5		5		5		5	3,475.18	5	3,252.46	5	3,021.89	5	2,791.32	5	2,559.60	5	2,310.64	5	2,061.66
1/4		1/4		1/4		1/4	3,472.04	1/4	3,247.66	1/4	3,017.08	1/4	2,786.51	1/4	2,554.42	1/4	2,305.45	1/4	2,056.48
1/2		1/2		1/2		1/2	3,468.90	1/2	3,242.85	1/2	3,012.28	1/2	2,781.71	1/2	2,549.23	1/2	2,300.26	1/2	2,051.29
3/4		3/4		3/4		3/4	3,465.02	3/4	3,238.05	3/4	3,007.48	3/4	2,776.91	3/4	2,544.04	3/4	2,295.08	3/4	2,046.10
6		6		6		6	3,461.14	6	3,233.25	6	3,002.67	6	2,772.11	6	2,538.86	6	2,289.89	6	2,040.92
1/4		1/4		1/4		1/4	3,457.26	1/4	3,228.44	1/4	2,997.87	1/4	2,767.30	1/4	2,533.67	1/4	2,284.71	1/4	2,035.73
1/2		1/2		1/2		1/2	3,453.38	1/2	3,223.64	1/2	2,993.06	1/2	2,762.50	1/2	2,528.48	1/2	2,279.52	1/2	2,030.54
3/4		3/4		3/4		3/4	3,448.79	3/4	3,218.84	3/4	2,988.26	3/4	2,757.70	3/4	2,523.29	3/4	2,274.33	3/4	2,025.35
7		7		7		7	3,444.19	7	3,214.03	7	2,983.46	7	2,752.89	7	2,518.11	7	2,269.15	7	2,020.17
1/4		1/4		1/4		1/4	3,439.60	1/4	3,209.23	1/4	2,978.65	1/4	2,748.09	1/4	2,512.92	1/4	2,263.96	1/4	2,014.98
1/2		1/2		1/2		1/2	3,435.00	1/2	3,204.42	1/2	2,973.85	1/2	2,743.28	1/2	2,507.73	1/2	2,258.77	1/2	2,009.79
3/4		3/4		3/4		3/4	3,430.20	3/4	3,199.62	3/4	2,969.05	3/4	2,738.48	3/4	2,502.55	3/4	2,253.58	3/4	2,004.60
8		8		8		8	3,425.39	8	3,194.82	8	2,964.24	8	2,733.68	8	2,497.36	8	2,248.40	8	1,999.42
1/4		1/4		1/4		1/4	3,420.59	1/4	3,190.01	1/4	2,959.44	1/4	2,728.87	1/4	2,492.18	1/4	2,243.21	1/4	1,994.23
1/2		1/2		1/2		1/2	3,415.78	1/2	3,185.21	1/2	2,954.63	1/2	2,724.07	1/2	2,486.99	1/2	2,238.02	1/2	1,989.04
3/4		3/4		3/4		3/4	3,410.98	3/4	3,180.41	3/4	2,949.83	3/4	2,719.27	3/4	2,481.80	3/4	2,232.83	3/4	1,983.85
9		9		9		9	3,406.18	9	3,175.60	9	2,945.03	9	2,714.46	9	2,476.62	9	2,227.65	9	1,978.67
1/4		1/4		1/4		1/4	3,401.37	1/4	3,170.80	1/4	2,940.22	1/4	2,709.66	1/4	2,471.43	1/4	2,222.46	1/4	1,973.48
1/2		1/2		1/2		1/2	3,396.57	1/2	3,165.99	1/2	2,935.42	1/2	2,704.85	1/2	2,466.24	1/2	2,217.27	1/2	1,968.29
3/4		3/4		3/4		3/4	3,391.77	3/4	3,161.19	3/4	2,930.62	3/4	2,700.05	3/4	2,461.05	3/4	2,212.09	3/4	1,963.10
10		10		10		10	3,386.96	10	3,156.39	10	2,925.82	10	2,695.25	10	2,455.87	10	2,206.90	10	1,957.92
1/4		1/4		1/4		1/4	3,382.16	1/4	3,151.58	1/4	2,921.01	1/4	2,690.44	1/4	2,450.68	1/4	2,201.72	1/4	1,952.73
1/2		1/2		1/2		1/2	3,377.35	1/2	3,146.78	1/2	2,916.21	1/2	2,685.64	1/2	2,445.49	1/2	2,196.53	1/2	1,947.54
3/4		3/4		3/4		3/4	3,372.55	3/4	3,141.98	3/4	2,911.41	3/4	2,680.84	3/4	2,440.30	3/4	2,191.34	3/4	1,942.35
11		11		11		11	3,367.75	11	3,137.18	11	2,906.60	11	2,676.04	11	2,435.12	11	2,186.16	11	1,937.17
1/4		1/4		1/4		1/4	3,362.94	1/4	3,132.37	1/4	2,901.80	1/4	2,671.23	1/4	2,429.93	1/4	2,180.97	1/4	1,931.98
1/2		1/2		1/2		1/2	3,358.14	1/2	3,127.57	1/2	2,896.99	1/2	2,666.43	1/2	2,424.74	1/2	2,175.78	1/2	1,926.79
3/4		3/4		3/4		3/4	3,353.34	3/4	3,122.77	3/4	2,892.19	3/4	2,661.63	3/4	2,419.56	3/4	2,170.59	3/4	1,921.60

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

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

PRECISION MEASUREMENT
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BARGE "CBC 22"

1 CENTER ULLAGE TABLE

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

FORMERLY "GBL 1710 AND KIRBY 10379"

GAUGE HEIGHT 17'-10 1/2"

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	1,916.42	0	1,667.42	0	1,418.44	0	1,169.45	0	920.47	0	671.63	0	422.96	0	173.99	0		0	
1/4	1,911.23	1/4	1,662.23	1/4	1,413.25	1/4	1,164.27	1/4	915.28	1/4	666.45	1/4	417.77	1/4	168.80	1/4		1/4	
1/2	1,906.04	1/2	1,657.04	1/2	1,408.06	1/2	1,159.08	1/2	910.09	1/2	661.27	1/2	412.58	1/2	163.61	1/2		1/2	
3/4	1,900.85	3/4	1,651.85	3/4	1,402.87	3/4	1,153.89	3/4	904.90	3/4	656.10	3/4	407.39	3/4	158.42	3/4		3/4	
1	1,895.67	1	1,646.67	1	1,397.69	1	1,148.71	1	899.72	1	650.92	1	402.21	1	153.24	1		1	
1/4	1,890.48	1/4	1,641.48	1/4	1,392.50	1/4	1,143.52	1/4	894.53	1/4	645.75	1/4	397.02	1/4	148.05	1/4		1/4	
1/2	1,885.29	1/2	1,636.29	1/2	1,387.31	1/2	1,138.33	1/2	889.34	1/2	640.57	1/2	391.83	1/2	142.86	1/2		1/2	
3/4	1,880.10	3/4	1,631.10	3/4	1,382.12	3/4	1,133.14	3/4	884.15	3/4	635.39	3/4	386.64	3/4	137.67	3/4		3/4	
2	1,874.92	2	1,625.92	2	1,376.94	2	1,127.96	2	878.97	2	630.22	2	381.46	2	132.49	2		2	
1/4	1,869.73	1/4	1,620.73	1/4	1,371.75	1/4	1,122.77	1/4	873.78	1/4	625.04	1/4	376.27	1/4	127.30	1/4		1/4	
1/2	1,864.54	1/2	1,615.54	1/2	1,366.56	1/2	1,117.58	1/2	868.59	1/2	619.86	1/2	371.08	1/2	122.11	1/2		1/2	
3/4	1,859.35	3/4	1,610.36	3/4	1,361.37	3/4	1,112.39	3/4	863.40	3/4	614.69	3/4	365.90	3/4	116.93	3/4		3/4	
3	1,854.17	3	1,605.17	3	1,356.19	3	1,107.21	3	858.22	3	609.51	3	360.71	3	111.74	3		3	
1/4	1,848.98	1/4	1,599.99	1/4	1,351.00	1/4	1,102.02	1/4	853.03	1/4	604.34	1/4	355.53	1/4	106.56	1/4		1/4	
1/2	1,843.79	1/2	1,594.80	1/2	1,345.81	1/2	1,096.83	1/2	847.84	1/2	599.16	1/2	350.34	1/2	101.37	1/2		1/2	
3/4	1,838.60	3/4	1,589.61	3/4	1,340.62	3/4	1,091.64	3/4	842.65	3/4	593.98	3/4	345.15	3/4	96.23	3/4		3/4	
4	1,833.42	4	1,584.43	4	1,335.44	4	1,086.46	4	837.47	4	588.81	4	339.97	4	91.10	4		4	
1/4	1,828.23	1/4	1,579.24	1/4	1,330.25	1/4	1,081.27	1/4	832.28	1/4	583.63	1/4	334.78	1/4	85.96	1/4		1/4	
1/2	1,823.04	1/2	1,574.05	1/2	1,325.06	1/2	1,076.08	1/2	827.09	1/2	578.45	1/2	329.59	1/2	80.82	1/2		1/2	
3/4	1,817.85	3/4	1,568.86	3/4	1,319.88	3/4	1,070.89	3/4	821.91	3/4	573.28	3/4	324.40	3/4	75.85	3/4		3/4	
5	1,812.67	5	1,563.68	5	1,314.69	5	1,065.71	5	816.72	5	568.10	5	319.22	5	70.88	5		5	
1/4	1,807.48	1/4	1,558.49	1/4	1,309.51	1/4	1,060.52	1/4	811.54	1/4	562.93	1/4	314.03	1/4	65.91	1/4		1/4	
1/2	1,802.29	1/2	1,553.30	1/2	1,304.32	1/2	1,055.33	1/2	806.35	1/2	557.75	1/2	308.84	1/2	60.94	1/2		1/2	
3/4	1,797.10	3/4	1,548.11	3/4	1,299.13	3/4	1,050.14	3/4	801.16	3/4	552.57	3/4	303.65	3/4	56.25	3/4		3/4	
6	1,791.92	6	1,542.93	6	1,293.95	6	1,044.96	6	795.98	6	547.40	6	298.47	6	51.56	6		6	
1/4	1,786.73	1/4	1,537.74	1/4	1,288.76	1/4	1,039.77	1/4	790.79	1/4	542.22	1/4	293.28	1/4	46.87	1/4		1/4	
1/2	1,781.54	1/2	1,532.55	1/2	1,283.57	1/2	1,034.58	1/2	785.60	1/2	537.04	1/2	288.09	1/2	42.18	1/2		1/2	
3/4	1,776.35	3/4	1,527.36	3/4	1,278.38	3/4	1,029.39	3/4	780.41	3/4	531.86	3/4	282.91	3/4	37.84	3/4		3/4	
7	1,771.17	7	1,522.18	7	1,273.20	7	1,024.21	7	775.23	7	526.67	7	277.72	7	33.50	7		7	
1/4	1,765.98	1/4	1,516.99	1/4	1,268.01	1/4	1,019.02	1/4	770.04	1/4	521.49	1/4	272.54	1/4	29.16	1/4		1/4	
1/2	1,760.79	1/2	1,511.80	1/2	1,262.82	1/2	1,013.83	1/2	764.85	1/2	516.30	1/2	267.35	1/2	24.82	1/2		1/2	
3/4	1,755.60	3/4	1,506.61	3/4	1,257.63	3/4	1,008.64	3/4	759.66	3/4	511.12	3/4	262.16	3/4	21.46	3/4		3/4	
8	1,750.42	8	1,501.43	8	1,252.45	8	1,003.46	8	754.48	8	505.93	8	256.98	8	18.10	8		8	
1/4	1,745.23	1/4	1,496.24	1/4	1,247.26	1/4	998.27	1/4	749.29	1/4	500.75	1/4	251.79	1/4	14.73	1/4		1/4	
1/2	1,740.04	1/2	1,491.05	1/2	1,242.07	1/2	993.08	1/2	744.10	1/2	495.56	1/2	246.60	1/2	11.37	1/2		1/2	
3/4	1,734.85	3/4	1,485.86	3/4	1,236.88	3/4	987.90	3/4	738.92	3/4	490.38	3/4	241.41	3/4	9.40	3/4		3/4	
9	1,729.67	9	1,480.68	9	1,231.70	9	982.71	9	733.75	9	485.19	9	236.23	9	7.43	9		9	
1/4	1,724.48	1/4	1,475.49	1/4	1,226.51	1/4	977.53	1/4	728.57	1/4	480.01	1/4	231.04	1/4	5.45	1/4		1/4	
1/2	1,719.29	1/2	1,470.30	1/2	1,221.32	1/2	972.34	1/2	723.39	1/2	474.82	1/2	225.85	1/2	3.48	1/2		1/2	
3/4	1,714.10	3/4	1,465.12	3/4	1,216.13	3/4	967.15	3/4	718.21	3/4	469.63	3/4	220.66	3/4	2.77	3/4		3/4	
10	1,708.92	10	1,459.93	10	1,210.95	10	961.97	10	713.04	10	464.45	10	215.48	10	2.06	10		10	
1/4	1,703.73	1/4	1,454.75	1/4	1,205.76	1/4	956.78	1/4	707.86	1/4	459.26	1/4	210.29	1/4	1.34	1/4		1/4	
1/2	1,698.54	1/2	1,449.56	1/2	1,200.57	1/2	951.59	1/2	702.68	1/2	454.07	1/2	205.10	1/2	0.63	1/2		1/2	
3/4	1,693.35	3/4	1,444.37	3/4	1,195.38	3/4	946.40	3/4	697.51	3/4	448.89	3/4	199.92	3/4		3/4		3/4	
11	1,688.17	11	1,439.19	11	1,190.20	11	941.22	11	692.33	11	443.70	11	194.73	11		11		11	
1/4	1,682.98	1/4	1,434.00	1/4	1,185.01	1/4	936.03	1/4	687.16	1/4	438.52	1/4	189.55	1/4		1/4		1/4	
1/2	1,677.79	1/2	1,428.81	1/2	1,179.82	1/2	930.84	1/2	681.98	1/2	433.33	1/2	184.36	1/2		1/2		1/2	
3/4	1,672.60	3/4	1,423.62	3/4	1,174.64	3/4	925.65	3/4	676.80	3/4	428.14	3/4	179.17	3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 22"

2 CENTER ULLAGE TABLE

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

FORMERLY "GBL 1710 AND KIRBY 10379"

GAUGE HEIGHT 17'-10 7/8"

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		0	3,415.55	0	3,166.65	0	2,917.77	0	2,668.94	0	2,420.11	0	2,171.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,410.37	1/4	3,161.47	1/4	2,912.58	1/4	2,663.75	1/4	2,414.92	1/4	2,166.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,405.18	1/2	3,156.28	1/2	2,907.40	1/2	2,658.57	1/2	2,409.74	1/2	2,160.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,400.00	3/4	3,151.10	3/4	2,902.22	3/4	2,653.39	3/4	2,404.56	3/4	2,155.73
1		1		1		1		1	3,394.81	1	3,145.91	1	2,897.03	1	2,648.21	1	2,399.37	1	2,150.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,389.63	1/4	3,140.73	1/4	2,891.85	1/4	2,643.02	1/4	2,394.19	1/4	2,145.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,384.44	1/2	3,135.54	1/2	2,886.66	1/2	2,637.84	1/2	2,389.00	1/2	2,140.18
3/4	3/4	3/4	3/4	3/4	7/8	3/4	3,572.81	3/4	3,379.26	3/4	3,130.36	3/4	2,881.48	3/4	2,632.65	3/4	2,383.82	3/4	2,134.99
2		2		2		2	3,572.34	2	3,374.07	2	3,125.17	2	2,876.29	2	2,627.47	2	2,378.64	2	2,129.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,571.39	1/4	3,368.89	1/4	3,119.99	1/4	2,871.11	1/4	2,622.28	1/4	2,373.45	1/4	2,124.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,570.45	1/2	3,363.70	1/2	3,114.80	1/2	2,865.92	1/2	2,617.10	1/2	2,368.27	1/2	2,119.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,569.31	3/4	3,358.52	3/4	3,109.62	3/4	2,860.74	3/4	2,611.92	3/4	2,363.09	3/4	2,114.25
3		3		3		3	3,567.80	3	3,353.33	3	3,104.43	3	2,855.56	3	2,606.73	3	2,357.91	3	2,109.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,566.11	1/4	3,348.14	1/4	3,099.25	1/4	2,850.37	1/4	2,601.55	1/4	2,352.72	1/4	2,103.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,564.41	1/2	3,342.96	1/2	3,094.06	1/2	2,845.19	1/2	2,596.36	1/2	2,347.54	1/2	2,098.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,562.52	3/4	3,337.77	3/4	3,088.88	3/4	2,840.01	3/4	2,591.18	3/4	2,342.35	3/4	2,093.52
4		4		4		4	3,560.22	4	3,332.59	4	3,083.69	4	2,834.83	4	2,585.99	4	2,337.17	4	2,088.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,557.73	1/4	3,327.40	1/4	3,078.51	1/4	2,829.64	1/4	2,580.81	1/4	2,331.98	1/4	2,083.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,555.23	1/2	3,322.22	1/2	3,073.32	1/2	2,824.46	1/2	2,575.62	1/2	2,326.80	1/2	2,077.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,552.54	3/4	3,317.03	3/4	3,068.14	3/4	2,819.27	3/4	2,570.44	3/4	2,321.62	3/4	2,072.78
5		5		5		5	3,549.45	5	3,311.85	5	3,062.95	5	2,814.09	5	2,565.26	5	2,316.43	5	2,067.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,546.16	1/4	3,306.66	1/4	3,057.77	1/4	2,808.90	1/4	2,560.07	1/4	2,311.25	1/4	2,062.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,542.87	1/2	3,301.48	1/2	3,052.58	1/2	2,803.72	1/2	2,554.89	1/2	2,306.06	1/2	2,057.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,539.38	3/4	3,296.29	3/4	3,047.40	3/4	2,798.54	3/4	2,549.71	3/4	2,300.88	3/4	2,052.04
6		6		6		6	3,535.49	6	3,291.11	6	3,042.21	6	2,793.35	6	2,544.53	6	2,295.69	6	2,046.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,531.40	1/4	3,285.92	1/4	3,037.02	1/4	2,788.17	1/4	2,539.34	1/4	2,290.51	1/4	2,041.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,527.32	1/2	3,280.74	1/2	3,031.84	1/2	2,782.98	1/2	2,534.16	1/2	2,285.32	1/2	2,036.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,523.03	3/4	3,275.55	3/4	3,026.65	3/4	2,777.80	3/4	2,528.97	3/4	2,280.14	3/4	2,031.30
7		7		7		7	3,518.35	7	3,270.37	7	3,021.47	7	2,772.62	7	2,523.79	7	2,274.96	7	2,026.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,513.47	1/4	3,265.18	1/4	3,016.28	1/4	2,767.43	1/4	2,518.60	1/4	2,269.77	1/4	2,020.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,508.59	1/2	3,260.00	1/2	3,011.10	1/2	2,762.25	1/2	2,513.42	1/2	2,264.59	1/2	2,015.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,503.63	3/4	3,254.81	3/4	3,005.91	3/4	2,757.07	3/4	2,508.24	3/4	2,259.41	3/4	2,010.56
8		8		8		8	3,498.52	8	3,249.63	8	3,000.73	8	2,751.89	8	2,503.05	8	2,254.23	8	2,005.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,493.33	1/4	3,244.44	1/4	2,995.54	1/4	2,746.70	1/4	2,497.87	1/4	2,249.04	1/4	2,000.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,488.15	1/2	3,239.26	1/2	2,990.36	1/2	2,741.52	1/2	2,492.68	1/2	2,243.86	1/2	1,995.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,482.96	3/4	3,234.07	3/4	2,985.17	3/4	2,736.33	3/4	2,487.50	3/4	2,238.67	3/4	1,989.83
9		9		9		9	3,477.77	9	3,228.89	9	2,979.99	9	2,731.15	9	2,482.32	9	2,233.49	9	1,984.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,472.59	1/4	3,223.70	1/4	2,974.80	1/4	2,725.96	1/4	2,477.13	1/4	2,228.30	1/4	1,979.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,467.40	1/2	3,218.52	1/2	2,969.62	1/2	2,720.78	1/2	2,471.95	1/2	2,223.12	1/2	1,974.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,462.22	3/4	3,213.33	3/4	2,964.43	3/4	2,715.59	3/4	2,466.77	3/4	2,217.94	3/4	1,969.09
10		10		10		10	3,457.03	10	3,208.14	10	2,959.25	10	2,710.41	10	2,461.59	10	2,212.75	10	1,963.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,451.85	1/4	3,202.95	1/4	2,954.06	1/4	2,705.22	1/4	2,456.40	1/4	2,207.57	1/4	1,958.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,446.66	1/2	3,197.77	1/2	2,948.88	1/2	2,700.04	1/2	2,451.22	1/2	2,202.38	1/2	1,953.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,441.48	3/4	3,192.58	3/4	2,943.69	3/4	2,694.86	3/4	2,446.03	3/4	2,197.20	3/4	1,948.35
11		11		11		11	3,436.29	11	3,187.39	11	2,938.51	11	2,689.67	11	2,440.85	11	2,192.02	11	1,943.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,431.11	1/4	3,182.21	1/4	2,933.32	1/4	2,684.49	1/4	2,435.66	1/4	2,186.83	1/4	1,937.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,425.92	1/2	3,177.02	1/2	2,928.14	1/2	2,679.30	1/2	2,430.48	1/2	2,181.65	1/2	1,932.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,420.74	3/4	3,171.84	3/4	2,922.95	3/4	2,674.12	3/4	2,425.29	3/4	2,176.47	3/4	1,927.61

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) 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 22"

2 CENTER ULLAGE TABLE

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

FORMERLY "GBL 1710 AND KIRBY 10379"

GAUGE HEIGHT 17'-10 7/8"

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	1,922.43	0	1,673.57	0	1,424.72	0	1,175.87	0	927.03	0	678.31	0	429.79	0	180.95	0		0	
1/4	1,917.24	1/4	1,668.38	1/4	1,419.53	1/4	1,170.69	1/4	921.84	1/4	673.13	1/4	424.60	1/4	175.76	1/4		1/4	
1/2	1,912.06	1/2	1,663.20	1/2	1,414.35	1/2	1,165.50	1/2	916.66	1/2	667.96	1/2	419.42	1/2	170.58	1/2		1/2	
3/4	1,906.87	3/4	1,658.01	3/4	1,409.17	3/4	1,160.32	3/4	911.47	3/4	662.79	3/4	414.23	3/4	165.40	3/4		3/4	
1	1,901.69	1	1,652.83	1	1,403.99	1	1,155.13	1	906.29	1	657.62	1	409.05	1	160.21	1		1	
1/4	1,896.50	1/4	1,647.64	1/4	1,398.80	1/4	1,149.95	1/4	901.10	1/4	652.44	1/4	403.86	1/4	155.03	1/4		1/4	
1/2	1,891.32	1/2	1,642.46	1/2	1,393.62	1/2	1,144.76	1/2	895.92	1/2	647.27	1/2	398.68	1/2	149.84	1/2		1/2	
3/4	1,886.13	3/4	1,637.28	3/4	1,388.43	3/4	1,139.58	3/4	890.73	3/4	642.09	3/4	393.50	3/4	144.66	3/4		3/4	
2	1,880.95	2	1,632.09	2	1,383.25	2	1,134.39	2	885.55	2	636.92	2	388.31	2	139.48	2		2	
1/4	1,875.76	1/4	1,626.91	1/4	1,378.06	1/4	1,129.21	1/4	880.36	1/4	631.74	1/4	383.13	1/4	134.29	1/4		1/4	
1/2	1,870.58	1/2	1,621.72	1/2	1,372.88	1/2	1,124.02	1/2	875.18	1/2	626.57	1/2	377.94	1/2	129.11	1/2		1/2	
3/4	1,865.40	3/4	1,616.54	3/4	1,367.69	3/4	1,118.84	3/4	870.00	3/4	621.40	3/4	372.76	3/4	123.93	3/4		3/4	
3	1,860.21	3	1,611.35	3	1,362.51	3	1,113.66	3	864.81	3	616.22	3	367.57	3	118.75	3		3	
1/4	1,855.03	1/4	1,606.17	1/4	1,357.32	1/4	1,108.47	1/4	859.63	1/4	611.05	1/4	362.39	1/4	113.56	1/4		1/4	
1/2	1,849.84	1/2	1,600.98	1/2	1,352.14	1/2	1,103.29	1/2	854.44	1/2	605.87	1/2	357.20	1/2	108.38	1/2		1/2	
3/4	1,844.66	3/4	1,595.80	3/4	1,346.95	3/4	1,098.11	3/4	849.26	3/4	600.70	3/4	352.02	3/4	103.29	3/4		3/4	
4	1,839.47	4	1,590.61	4	1,341.77	4	1,092.93	4	844.07	4	595.53	4	346.84	4	98.42	4		4	
1/4	1,834.29	1/4	1,585.43	1/4	1,336.58	1/4	1,087.74	1/4	838.89	1/4	590.35	1/4	341.65	1/4	93.64	1/4		1/4	
1/2	1,829.10	1/2	1,580.24	1/2	1,331.40	1/2	1,082.56	1/2	833.70	1/2	585.18	1/2	336.47	1/2	88.87	1/2		1/2	
3/4	1,823.92	3/4	1,575.06	3/4	1,326.22	3/4	1,077.37	3/4	828.52	3/4	580.01	3/4	331.29	3/4	84.20	3/4		3/4	
5	1,818.73	5	1,569.88	5	1,321.03	5	1,072.19	5	823.33	5	574.84	5	326.11	5	79.75	5		5	
1/4	1,813.55	1/4	1,564.69	1/4	1,315.85	1/4	1,067.00	1/4	818.15	1/4	569.66	1/4	320.92	1/4	75.00	1/4		1/4	
1/2	1,808.36	1/2	1,559.51	1/2	1,310.66	1/2	1,061.82	1/2	812.96	1/2	564.49	1/2	315.74	1/2	71.06	1/2		1/2	
3/4	1,803.18	3/4	1,554.33	3/4	1,305.48	3/4	1,056.63	3/4	807.78	3/4	559.32	3/4	310.55	3/4	66.74	3/4		3/4	
6	1,797.99	6	1,549.15	6	1,300.29	6	1,051.45	6	802.60	6	554.14	6	305.37	6	62.49	6		6	
1/4	1,792.81	1/4	1,543.96	1/4	1,295.11	1/4	1,046.26	1/4	797.41	1/4	548.97	1/4	300.18	1/4	58.26	1/4		1/4	
1/2	1,787.62	1/2	1,538.78	1/2	1,289.92	1/2	1,041.08	1/2	792.23	1/2	543.79	1/2	295.00	1/2	54.04	1/2		1/2	
3/4	1,782.44	3/4	1,533.59	3/4	1,284.74	3/4	1,035.90	3/4	787.05	3/4	538.62	3/4	289.82	3/4	49.76	3/4		3/4	
7	1,777.26	7	1,528.41	7	1,279.56	7	1,030.71	7	781.87	7	533.44	7	284.63	7	45.35	7		7	
1/4	1,772.07	1/4	1,523.22	1/4	1,274.37	1/4	1,025.53	1/4	776.68	1/4	528.26	1/4	279.45	1/4	40.87	1/4		1/4	
1/2	1,766.89	1/2	1,518.04	1/2	1,269.19	1/2	1,020.34	1/2	771.50	1/2	523.08	1/2	274.26	1/2	36.40	1/2		1/2	
3/4	1,761.71	3/4	1,512.85	3/4	1,264.01	3/4	1,015.16	3/4	766.31	3/4	517.90	3/4	269.08	3/4	32.02	3/4		3/4	
8	1,756.53	8	1,507.67	8	1,258.83	8	1,009.97	8	761.13	8	512.72	8	263.89	8	27.84	8		8	
1/4	1,751.34	1/4	1,502.48	1/4	1,253.64	1/4	1,004.79	1/4	755.94	1/4	507.53	1/4	258.71	1/4	23.74	1/4		1/4	
1/2	1,746.16	1/2	1,497.30	1/2	1,248.46	1/2	999.60	1/2	750.76	1/2	502.35	1/2	253.52	1/2	19.65	1/2		1/2	
3/4	1,740.97	3/4	1,492.11	3/4	1,243.27	3/4	994.42	3/4	745.57	3/4	497.17	3/4	248.34	3/4	15.91	3/4		3/4	
9	1,735.79	9	1,486.93	9	1,238.09	9	989.23	9	740.40	9	491.99	9	243.16	9	12.89	9		9	
1/4	1,730.60	1/4	1,481.74	1/4	1,232.90	1/4	984.05	1/4	735.22	1/4	486.80	1/4	237.97	1/4	10.22	1/4		1/4	
1/2	1,725.42	1/2	1,476.56	1/2	1,227.72	1/2	978.86	1/2	730.05	1/2	481.62	1/2	232.79	1/2	7.56	1/2		1/2	
3/4	1,720.23	3/4	1,471.38	3/4	1,222.53	3/4	973.68	3/4	724.87	3/4	476.44	3/4	227.61	3/4	5.33	3/4		3/4	
10	1,715.05	10	1,466.19	10	1,217.35	10	968.50	10	719.70	10	471.25	10	222.43	10	3.95	10		10	
1/4	1,709.86	1/4	1,461.01	1/4	1,212.16	1/4	963.31	1/4	714.52	1/4	466.07	1/4	217.24	1/4	3.00	1/4		1/4	
1/2	1,704.68	1/2	1,455.82	1/2	1,206.98	1/2	958.13	1/2	709.35	1/2	460.88	1/2	212.06	1/2	2.05	1/2		1/2	
3/4	1,699.49	3/4	1,450.64	3/4	1,201.79	3/4	952.95	3/4	704.17	3/4	455.70	3/4	206.87	3/4	1.10	3/4		3/4	
11	1,694.31	11	1,445.45	11	1,196.61	11	947.77	11	699.00	11	450.52	11	201.69	107/8	0.63	11		11	
1/4	1,689.12	1/4	1,440.27	1/4	1,191.42	1/4	942.58	1/4	693.82	1/4	445.33	1/4	196.50	1/4		1/4		1/4	
1/2	1,683.94	1/2	1,435.08	1/2	1,186.24	1/2	937.40	1/2	688.65	1/2	440.15	1/2	191.32	1/2		1/2		1/2	
3/4	1,678.75	3/4	1,429.90	3/4	1,181.06	3/4	932.21	3/4	683.48	3/4	434.97	3/4	186.13	3/4		3/4		3/4	

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DECK MEASUREMENTS:08/032007 CL
REPRINTED: NAME CHANGE 07/12/2016

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2016

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 22"

3 CENTER ULLAGE TABLE

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

FORMERLY "GBL 1710 AND KIRBY 10379"

GAUGE HEIGHT 17'-11"

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		0	3,422.24	0	3,173.05	0	2,923.86	0	2,674.74	0	2,425.62	0	2,176.49
1/4		1/4		1/4		1/4		1/4	3,417.05	1/4	3,167.86	1/4	2,918.67	1/4	2,669.55	1/4	2,420.43	1/4	2,171.30
1/2		1/2		1/2		1/2		1/2	3,411.86	1/2	3,162.67	1/2	2,913.48	1/2	2,664.36	1/2	2,415.24	1/2	2,166.11
3/4		3/4		3/4		3/4		3/4	3,406.67	3/4	3,157.48	3/4	2,908.29	3/4	2,659.17	3/4	2,410.05	3/4	2,160.92
1		1		1		1		1	3,401.48	1	3,152.28	1	2,903.10	1	2,653.98	1	2,404.86	1	2,155.72
1/4		1/4		1/4		1/4		1/4	3,396.29	1/4	3,147.09	1/4	2,897.91	1/4	2,648.79	1/4	2,399.67	1/4	2,150.53
1/2		1/2		1/2		1/2		1/2	3,391.10	1/2	3,141.90	1/2	2,892.72	1/2	2,643.60	1/2	2,394.48	1/2	2,145.34
3/4		3/4		3/4		3/4		3/4	3,385.91	3/4	3,136.71	3/4	2,887.53	3/4	2,638.41	3/4	2,389.29	3/4	2,140.15
2		2		2		2	3,577.10	2	3,380.71	2	3,131.52	2	2,882.34	2	2,633.22	2	2,384.10	2	2,134.96
1/4		1/4		1/4		1/4	3,576.15	1/4	3,375.52	1/4	3,126.33	1/4	2,877.15	1/4	2,628.03	1/4	2,378.91	1/4	2,129.77
1/2		1/2		1/2		1/2	3,575.20	1/2	3,370.33	1/2	3,121.14	1/2	2,871.96	1/2	2,622.84	1/2	2,373.72	1/2	2,124.58
3/4		3/4		3/4		3/4	3,574.25	3/4	3,365.14	3/4	3,115.95	3/4	2,866.77	3/4	2,617.65	3/4	2,368.53	3/4	2,119.39
3		3		3		3	3,572.93	3	3,359.94	3	3,110.76	3	2,861.58	3	2,612.46	3	2,363.34	3	2,114.20
1/4		1/4		1/4		1/4	3,571.23	1/4	3,354.75	1/4	3,105.57	1/4	2,856.39	1/4	2,607.27	1/4	2,358.15	1/4	2,109.01
1/2		1/2		1/2		1/2	3,569.54	1/2	3,349.56	1/2	3,100.38	1/2	2,851.20	1/2	2,602.08	1/2	2,352.96	1/2	2,103.82
3/4		3/4		3/4		3/4	3,567.84	3/4	3,344.37	3/4	3,095.19	3/4	2,846.01	3/4	2,596.89	3/4	2,347.77	3/4	2,098.63
4		4		4		4	3,565.74	4	3,339.18	4	3,089.99	4	2,840.82	4	2,591.70	4	2,342.58	4	2,093.44
1/4		1/4		1/4		1/4	3,563.24	1/4	3,333.99	1/4	3,084.80	1/4	2,835.63	1/4	2,586.51	1/4	2,337.39	1/4	2,088.25
1/2		1/2		1/2		1/2	3,560.75	1/2	3,328.80	1/2	3,079.61	1/2	2,830.44	1/2	2,581.32	1/2	2,332.20	1/2	2,083.06
3/4		3/4		3/4		3/4	3,558.25	3/4	3,323.61	3/4	3,074.42	3/4	2,825.25	3/4	2,576.13	3/4	2,327.01	3/4	2,077.87
5		5		5		5	3,555.35	5	3,318.42	5	3,069.22	5	2,820.06	5	2,570.94	5	2,321.82	5	2,072.68
1/4		1/4		1/4		1/4	3,552.06	1/4	3,313.23	1/4	3,064.03	1/4	2,814.87	1/4	2,565.75	1/4	2,316.63	1/4	2,067.49
1/2		1/2		1/2		1/2	3,548.77	1/2	3,308.04	1/2	3,058.84	1/2	2,809.68	1/2	2,560.56	1/2	2,311.44	1/2	2,062.30
3/4		3/4		3/4		3/4	3,545.48	3/4	3,302.85	3/4	3,053.65	3/4	2,804.49	3/4	2,555.37	3/4	2,306.25	3/4	2,057.11
6		6		6		6	3,541.78	6	3,297.65	6	3,048.46	6	2,799.30	6	2,550.18	6	2,301.06	6	2,051.92
1/4		1/4		1/4		1/4	3,537.69	1/4	3,292.46	1/4	3,043.27	1/4	2,794.11	1/4	2,544.99	1/4	2,295.87	1/4	2,046.73
1/2		1/2		1/2		1/2	3,533.59	1/2	3,287.27	1/2	3,038.08	1/2	2,788.92	1/2	2,539.80	1/2	2,290.68	1/2	2,041.54
3/4		3/4		3/4		3/4	3,529.50	3/4	3,282.08	3/4	3,032.89	3/4	2,783.73	3/4	2,534.61	3/4	2,285.49	3/4	2,036.35
7		7		7		7	3,525.01	7	3,276.88	7	3,027.69	7	2,778.54	7	2,529.42	7	2,280.30	7	2,031.16
1/4		1/4		1/4		1/4	3,520.12	1/4	3,271.69	1/4	3,022.50	1/4	2,773.35	1/4	2,524.23	1/4	2,275.11	1/4	2,025.97
1/2		1/2		1/2		1/2	3,515.24	1/2	3,266.50	1/2	3,017.31	1/2	2,768.16	1/2	2,519.04	1/2	2,269.92	1/2	2,020.78
3/4		3/4		3/4		3/4	3,510.35	3/4	3,261.31	3/4	3,012.12	3/4	2,762.97	3/4	2,513.85	3/4	2,264.73	3/4	2,015.59
8		8		8		8	3,505.31	8	3,256.12	8	3,006.92	8	2,757.78	8	2,508.66	8	2,259.54	8	2,010.39
1/4		1/4		1/4		1/4	3,500.12	1/4	3,250.93	1/4	3,001.73	1/4	2,752.59	1/4	2,503.47	1/4	2,254.35	1/4	2,005.20
1/2		1/2		1/2		1/2	3,494.93	1/2	3,245.74	1/2	2,996.54	1/2	2,747.40	1/2	2,498.28	1/2	2,249.16	1/2	2,000.01
3/4		3/4		3/4		3/4	3,489.74	3/4	3,240.55	3/4	2,991.35	3/4	2,742.21	3/4	2,493.09	3/4	2,243.97	3/4	1,994.82
9		9		9		9	3,484.54	9	3,235.35	9	2,986.16	9	2,737.02	9	2,487.90	9	2,238.78	9	1,989.62
1/4		1/4		1/4		1/4	3,479.35	1/4	3,230.16	1/4	2,980.97	1/4	2,731.83	1/4	2,482.71	1/4	2,233.59	1/4	1,984.43
1/2		1/2		1/2		1/2	3,474.16	1/2	3,224.97	1/2	2,975.78	1/2	2,726.64	1/2	2,477.52	1/2	2,228.40	1/2	1,979.24
3/4		3/4		3/4		3/4	3,468.97	3/4	3,219.78	3/4	2,970.59	3/4	2,721.45	3/4	2,472.33	3/4	2,223.21	3/4	1,974.05
10		10		10		10	3,463.78	10	3,214.58	10	2,965.39	10	2,716.26	10	2,467.14	10	2,218.02	10	1,968.86
1/4		1/4		1/4		1/4	3,458.59	1/4	3,209.39	1/4	2,960.20	1/4	2,711.07	1/4	2,461.95	1/4	2,212.83	1/4	1,963.67
1/2		1/2		1/2		1/2	3,453.40	1/2	3,204.20	1/2	2,955.01	1/2	2,705.88	1/2	2,456.76	1/2	2,207.64	1/2	1,958.48
3/4		3/4		3/4		3/4	3,448.21	3/4	3,199.01	3/4	2,949.82	3/4	2,700.69	3/4	2,451.57	3/4	2,202.45	3/4	1,953.29
11		11		11		11	3,443.01	11	3,193.82	11	2,944.62	11	2,695.50	11	2,446.38	11	2,197.26	11	1,948.10
1/4		1/4		1/4		1/4	3,437.82	1/4	3,188.63	1/4	2,939.43	1/4	2,690.31	1/4	2,441.19	1/4	2,192.07	1/4	1,942.91
1/2		1/2		1/2		1/2	3,432.63	1/2	3,183.44	1/2	2,934.24	1/2	2,685.12	1/2	2,436.00	1/2	2,186.88	1/2	1,937.72
3/4		3/4		3/4		3/4	3,427.44	3/4	3,178.25	3/4	2,929.05	3/4	2,679.93	3/4	2,430.81	3/4	2,181.69	3/4	1,932.53

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) 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 22"

3 CENTER ULLAGE TABLE

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

FORMERLY "GBL 1710 AND KIRBY 10379"

GAUGE HEIGHT 17'-11"

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	1,927.34	0	1,678.18	0	1,429.04	0	1,179.90	0	930.74	0	681.73	0	432.92	0	183.78	0		0	
1/4	1,922.15	1/4	1,672.99	1/4	1,423.85	1/4	1,174.71	1/4	925.55	1/4	676.55	1/4	427.73	1/4	178.59	1/4		1/4	
1/2	1,916.96	1/2	1,667.80	1/2	1,418.66	1/2	1,169.52	1/2	920.36	1/2	671.37	1/2	422.54	1/2	173.40	1/2		1/2	
3/4	1,911.77	3/4	1,662.61	3/4	1,413.47	3/4	1,164.33	3/4	915.17	3/4	666.19	3/4	417.35	3/4	168.21	3/4		3/4	
1	1,906.58	1	1,657.42	1	1,408.28	1	1,159.14	1	909.98	1	661.01	1	412.16	1	163.02	1		1	
1/4	1,901.39	1/4	1,652.23	1/4	1,403.09	1/4	1,153.95	1/4	904.79	1/4	655.83	1/4	406.97	1/4	157.83	1/4		1/4	
1/2	1,896.20	1/2	1,647.04	1/2	1,397.90	1/2	1,148.76	1/2	899.60	1/2	650.65	1/2	401.78	1/2	152.64	1/2		1/2	
3/4	1,891.01	3/4	1,641.85	3/4	1,392.71	3/4	1,143.57	3/4	894.41	3/4	645.47	3/4	396.59	3/4	147.45	3/4		3/4	
2	1,885.82	2	1,636.66	2	1,387.52	2	1,138.37	2	889.22	2	640.29	2	391.40	2	142.26	2		2	
1/4	1,880.63	1/4	1,631.47	1/4	1,382.33	1/4	1,133.18	1/4	884.03	1/4	635.11	1/4	386.21	1/4	137.07	1/4		1/4	
1/2	1,875.44	1/2	1,626.28	1/2	1,377.14	1/2	1,127.99	1/2	878.84	1/2	629.93	1/2	381.02	1/2	131.88	1/2		1/2	
3/4	1,870.25	3/4	1,621.09	3/4	1,371.95	3/4	1,122.80	3/4	873.65	3/4	624.75	3/4	375.83	3/4	126.69	3/4		3/4	
3	1,865.05	3	1,615.90	3	1,366.76	3	1,117.60	3	868.46	3	619.57	3	370.64	3	121.50	3		3	
1/4	1,859.86	1/4	1,610.71	1/4	1,361.57	1/4	1,112.41	1/4	863.27	1/4	614.39	1/4	365.45	1/4	116.31	1/4		1/4	
1/2	1,854.67	1/2	1,605.52	1/2	1,356.38	1/2	1,107.22	1/2	858.08	1/2	609.21	1/2	360.26	1/2	111.12	1/2		1/2	
3/4	1,849.48	3/4	1,600.33	3/4	1,351.19	3/4	1,102.03	3/4	852.89	3/4	604.03	3/4	355.07	3/4	105.93	3/4		3/4	
4	1,844.28	4	1,595.14	4	1,345.99	4	1,096.84	4	847.70	4	598.85	4	349.88	4	100.95	4		4	
1/4	1,839.09	1/4	1,589.95	1/4	1,340.80	1/4	1,091.65	1/4	842.51	1/4	593.67	1/4	344.69	1/4	96.17	1/4		1/4	
1/2	1,833.90	1/2	1,584.76	1/2	1,335.61	1/2	1,086.46	1/2	837.32	1/2	588.50	1/2	339.50	1/2	91.38	1/2		1/2	
3/4	1,828.71	3/4	1,579.57	3/4	1,330.42	3/4	1,081.27	3/4	832.13	3/4	583.32	3/4	334.31	3/4	86.60	3/4		3/4	
5	1,823.52	5	1,574.37	5	1,325.22	5	1,076.08	5	826.94	5	578.14	5	329.12	5	82.03	5		5	
1/4	1,818.33	1/4	1,569.18	1/4	1,320.03	1/4	1,070.89	1/4	821.75	1/4	572.96	1/4	323.93	1/4	77.68	1/4		1/4	
1/2	1,813.14	1/2	1,563.99	1/2	1,314.84	1/2	1,065.70	1/2	816.56	1/2	567.78	1/2	318.74	1/2	73.33	1/2		1/2	
3/4	1,807.95	3/4	1,558.80	3/4	1,309.65	3/4	1,060.51	3/4	811.37	3/4	562.60	3/4	313.55	3/4	68.98	3/4		3/4	
6	1,802.76	6	1,553.60	6	1,304.46	6	1,055.32	6	806.18	6	557.42	6	308.36	6	64.68	6		6	
1/4	1,797.57	1/4	1,548.41	1/4	1,299.27	1/4	1,050.13	1/4	800.99	1/4	552.24	1/4	303.17	1/4	60.45	1/4		1/4	
1/2	1,792.38	1/2	1,543.22	1/2	1,294.08	1/2	1,044.94	1/2	795.80	1/2	547.06	1/2	297.98	1/2	56.22	1/2		1/2	
3/4	1,787.19	3/4	1,538.03	3/4	1,288.89	3/4	1,039.75	3/4	790.61	3/4	541.88	3/4	292.79	3/4	51.99	3/4		3/4	
7	1,782.00	7	1,532.84	7	1,283.70	7	1,034.56	7	785.42	7	536.70	7	287.59	7	47.64	7		7	
1/4	1,776.81	1/4	1,527.65	1/4	1,278.51	1/4	1,029.37	1/4	780.23	1/4	531.51	1/4	282.40	1/4	43.16	1/4		1/4	
1/2	1,771.62	1/2	1,522.46	1/2	1,273.32	1/2	1,024.18	1/2	775.04	1/2	526.32	1/2	277.21	1/2	38.69	1/2		1/2	
3/4	1,766.43	3/4	1,517.27	3/4	1,268.13	3/4	1,018.99	3/4	769.85	3/4	521.13	3/4	272.02	3/4	34.21	3/4		3/4	
8	1,761.24	8	1,512.08	8	1,262.94	8	1,013.80	8	764.66	8	515.94	8	266.82	8	29.92	8		8	
1/4	1,756.05	1/4	1,506.89	1/4	1,257.75	1/4	1,008.61	1/4	759.47	1/4	510.75	1/4	261.63	1/4	25.82	1/4		1/4	
1/2	1,750.86	1/2	1,501.70	1/2	1,252.56	1/2	1,003.42	1/2	754.28	1/2	505.56	1/2	256.44	1/2	21.72	1/2		1/2	
3/4	1,745.67	3/4	1,496.51	3/4	1,247.37	3/4	998.23	3/4	749.09	3/4	500.37	3/4	251.25	3/4	17.62	3/4		3/4	
9	1,740.47	9	1,491.32	9	1,242.18	9	993.04	9	743.90	9	495.19	9	246.06	9	14.24	9		9	
1/4	1,735.28	1/4	1,486.13	1/4	1,236.99	1/4	987.85	1/4	738.72	1/4	490.00	1/4	240.87	1/4	11.57	1/4		1/4	
1/2	1,730.09	1/2	1,480.94	1/2	1,231.80	1/2	982.66	1/2	733.53	1/2	484.81	1/2	235.68	1/2	8.90	1/2		1/2	
3/4	1,724.90	3/4	1,475.75	3/4	1,226.61	3/4	977.47	3/4	728.35	3/4	479.62	3/4	230.49	3/4	6.23	3/4		3/4	
10	1,719.70	10	1,470.56	10	1,221.42	10	972.28	10	723.17	10	474.44	10	225.30	10	4.43	10		10	
1/4	1,714.51	1/4	1,465.37	1/4	1,216.23	1/4	967.09	1/4	717.99	1/4	469.25	1/4	220.11	1/4	3.48	1/4		1/4	
1/2	1,709.32	1/2	1,460.18	1/2	1,211.04	1/2	961.90	1/2	712.81	1/2	464.06	1/2	214.92	1/2	2.53	1/2		1/2	
3/4	1,704.13	3/4	1,454.99	3/4	1,205.85	3/4	956.71	3/4	707.63	3/4	458.87	3/4	209.73	3/4	1.58	3/4		3/4	
11	1,698.94	11	1,449.80	11	1,200.66	11	951.51	11	702.45	11	453.68	11	204.54	11	0.63	11		11	
1/4	1,693.75	1/4	1,444.61	1/4	1,195.47	1/4	946.32	1/4	697.27	1/4	448.49	1/4	199.35	1/4		1/4		1/4	
1/2	1,688.56	1/2	1,439.42	1/2	1,190.28	1/2	941.13	1/2	692.09	1/2	443.30	1/2	194.16	1/2		1/2		1/2	
3/4	1,683.37	3/4	1,434.23	3/4	1,185.09	3/4	935.94	3/4	686.91	3/4	438.11	3/4	188.97	3/4		3/4		3/4	

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