



# BARGE "CBC 19"

## ULLAGE TRIM TABLE

FORMERLY "GBL 1210 & KIRBY 10356"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<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	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8
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: 156'-00"

May 26, 2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 19"

# 3 CENTER ULLAGE TABLE

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

FORMERLY "GBL 1210 & KIRBY 10356"

GAUGE HEIGHT 16'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	3,551.93	0	3,306.64	0	3,056.88	0	2,807.14	0	2,557.41	0	2,307.69	0	2,057.95	0	1,808.19
1/4	1/4	1/4		1/4	3,547.80	1/4	3,301.44	1/4	3,051.68	1/4	2,801.94	1/4	2,552.20	1/4	2,302.49	1/4	2,052.75	1/4	1,802.99
1/2	1/2	1/2		1/2	3,543.68	1/2	3,296.24	1/2	3,046.48	1/2	2,796.74	1/2	2,547.00	1/2	2,297.29	1/2	2,047.55	1/2	1,797.79
3/4	3/4	3/4		3/4	3,539.55	3/4	3,291.04	3/4	3,041.27	3/4	2,791.54	3/4	2,541.80	3/4	2,292.08	3/4	2,042.35	3/4	1,792.58
1		1		1	3,535.43	1	3,285.83	1	3,036.07	1	2,786.33	1	2,536.60	1	2,286.88	1	2,037.14	1	1,787.38
1/4	1/4	1/4		1/4	3,530.27	1/4	3,280.63	1/4	3,030.86	1/4	2,781.13	1/4	2,531.39	1/4	2,281.68	1/4	2,031.93	1/4	1,782.18
1/2	1/2	1/2		1/2	3,525.11	1/2	3,275.42	1/2	3,025.66	1/2	2,775.92	1/2	2,526.19	1/2	2,276.48	1/2	2,026.73	1/2	1,776.98
3/4	3/4	3/4		3/4	3,519.95	3/4	3,270.21	3/4	3,020.45	3/4	2,770.71	3/4	2,520.99	3/4	2,271.27	3/4	2,021.52	3/4	1,771.77
2		2		2	3,514.79	2	3,265.00	2	3,015.24	2	2,765.50	2	2,515.79	2	2,266.07	2	2,016.31	2	1,766.57
1/4	1/4	1/4		1/4	3,509.58	1/4	3,259.80	1/4	3,010.04	1/4	2,760.30	1/4	2,510.58	1/4	2,260.87	1/4	2,011.11	1/4	1,761.37
1/2	1/2	1/2		1/2	3,504.37	1/2	3,254.60	1/2	3,004.83	1/2	2,755.10	1/2	2,505.38	1/2	2,255.67	1/2	2,005.90	1/2	1,756.17
3/4	3/4	3/4		3/4	3,499.16	3/4	3,249.39	3/4	2,999.63	3/4	2,749.89	3/4	2,500.18	3/4	2,250.46	3/4	2,000.70	3/4	1,750.96
3		3		3	3,493.95	3	3,244.19	3	2,994.43	3	2,744.69	3	2,494.98	3	2,245.26	3	1,995.50	3	1,745.76
1/4	1/4	1/4		1/4	3,488.75	1/4	3,238.99	1/4	2,989.23	1/4	2,739.49	1/4	2,489.77	1/4	2,240.05	1/4	1,990.30	1/4	1,740.55
1/2	1/2	1/2		1/2	3,483.55	1/2	3,233.79	1/2	2,984.02	1/2	2,734.29	1/2	2,484.57	1/2	2,234.85	1/2	1,985.10	1/2	1,735.35
3/4	3/4	3/4		3/4	3,478.35	3/4	3,228.58	3/4	2,978.82	3/4	2,729.08	3/4	2,479.37	3/4	2,229.64	3/4	1,979.89	3/4	1,730.14
4		4		4	3,473.14	4	3,223.38	4	2,973.62	4	2,723.88	4	2,474.17	4	2,224.43	4	1,974.69	4	1,724.93
1/4	1/4	1/4		1/4	3,467.94	1/4	3,218.18	1/4	2,968.42	1/4	2,718.68	1/4	2,468.96	1/4	2,219.23	1/4	1,969.49	1/4	1,719.73
1/2	1/2	1/2		1/2	3,462.74	1/2	3,212.98	1/2	2,963.21	1/2	2,713.48	1/2	2,463.76	1/2	2,214.02	1/2	1,964.29	1/2	1,714.52
3/4	3/4	3/4		3/4	3,457.54	3/4	3,207.77	3/4	2,958.01	3/4	2,708.28	3/4	2,458.56	3/4	2,208.82	3/4	1,959.08	3/4	1,709.32
5		5		5	3,452.33	5	3,202.57	5	2,952.81	5	2,703.07	5	2,453.36	5	2,203.62	5	1,953.88	5	1,704.12
1/4	1/4	1/4		1/4	3,447.13	1/4	3,197.37	1/4	2,947.61	1/4	2,697.87	1/4	2,448.16	1/4	2,198.42	1/4	1,948.68	1/4	1,698.92
1/2	1/2	1/2		1/2	3,441.93	1/2	3,192.17	1/2	2,942.41	1/2	2,692.67	1/2	2,442.95	1/2	2,193.21	1/2	1,943.48	1/2	1,693.71
3/4	3/4	3/4		3/4	3,436.73	3/4	3,186.96	3/4	2,937.20	3/4	2,687.47	3/4	2,437.75	3/4	2,188.01	3/4	1,938.27	3/4	1,688.51
6		6		6	3,431.52	6	3,181.76	6	2,932.00	6	2,682.26	6	2,432.55	6	2,182.81	6	1,933.07	6	1,683.31
1/4	1/4	1/4		1/4	3,426.32	1/4	3,176.56	1/4	2,926.80	1/4	2,677.06	1/4	2,427.35	1/4	2,177.61	1/4	1,927.87	1/4	1,678.11
1/2	1/2	1/2		1/2	3,421.12	1/2	3,171.36	1/2	2,921.60	1/2	2,671.86	1/2	2,422.14	1/2	2,172.41	1/2	1,922.67	1/2	1,672.90
3/4	3/4	3/4		3/4	3,415.92	3/4	3,166.15	3/4	2,916.39	3/4	2,666.66	3/4	2,416.94	3/4	2,167.20	3/4	1,917.46	3/4	1,667.70
7		7		7	3,410.71	7	3,160.95	7	2,911.19	7	2,661.45	7	2,411.74	7	2,162.00	7	1,912.26	7	1,662.50
1/4	1/4	1/4		1/4	3,405.51	1/4	3,155.74	1/4	2,905.99	1/4	2,656.25	1/4	2,406.54	1/4	2,156.80	1/4	1,907.06	1/4	1,657.30
1/2	1/2	1/2		1/2	3,400.31	1/2	3,150.54	1/2	2,900.79	1/2	2,651.05	1/2	2,401.33	1/2	2,151.60	1/2	1,901.86	1/2	1,652.10
3/4	3/4	3/4		3/4	3,395.11	3/4	3,145.33	3/4	2,895.58	3/4	2,645.85	3/4	2,396.13	3/4	2,146.39	3/4	1,896.65	3/4	1,646.89
8		8		8	3,389.90	8	3,140.12	8	2,890.38	8	2,640.64	8	2,390.93	8	2,141.19	8	1,891.45	8	1,641.69
1/4	1/4	1/4		1/4	3,384.70	1/4	3,134.92	1/4	2,885.18	1/4	2,635.44	1/4	2,385.73	1/4	2,135.99	1/4	1,886.24	1/4	1,636.49
1/2	1/2	1/2		1/2	3,379.49	1/2	3,129.71	1/2	2,879.98	1/2	2,630.24	1/2	2,380.52	1/2	2,130.79	1/2	1,881.04	1/2	1,631.29
3/4	3/4	3/4		3/4	3,374.28	3/4	3,124.51	3/4	2,874.77	3/4	2,625.04	3/4	2,375.32	3/4	2,125.58	3/4	1,875.83	3/4	1,626.08
9		9		9	3,369.07	9	3,119.31	9	2,869.57	9	2,619.83	9	2,370.12	9	2,120.38	9	1,870.62	9	1,620.88
1/4	1/4	1/4		1/4	3,363.87	1/4	3,114.11	1/4	2,864.37	1/4	2,614.63	1/4	2,364.92	1/4	2,115.18	1/4	1,865.42	1/4	1,615.67
1/2	1/2	1/2		1/2	3,358.67	1/2	3,108.90	1/2	2,859.17	1/2	2,609.43	1/2	2,359.71	1/2	2,109.98	1/2	1,860.21	1/2	1,610.46
3/4	3/4	3/4		3/4	3,353.46	3/4	3,103.70	3/4	2,853.96	3/4	2,604.23	3/4	2,354.51	3/4	2,104.77	3/4	1,855.01	3/4	1,605.26
10		10		10	3,348.26	10	3,098.50	10	2,848.76	10	2,599.02	10	2,349.31	10	2,099.57	10	1,849.81	10	1,600.05
1/4	1/4	1/4		1/4	3,343.06	1/4	3,093.30	1/4	2,843.56	1/4	2,593.82	1/4	2,344.11	1/4	2,094.37	1/4	1,844.61	1/4	1,594.85
1/2	1/2	1/2		1/2	3,337.86	1/2	3,088.10	1/2	2,838.36	1/2	2,588.62	1/2	2,338.90	1/2	2,089.17	1/2	1,839.40	1/2	1,589.64
3/4	3/4	3/4		3/4	3,332.66	3/4	3,082.89	3/4	2,833.15	3/4	2,583.42	3/4	2,333.70	3/4	2,083.96	3/4	1,834.20	3/4	1,584.44
11		11		11	3,327.45	11	3,077.69	11	2,827.95	11	2,578.22	11	2,328.50	11	2,078.76	11	1,829.00	11	1,579.24
1/4	1/4	1/4		1/4	3,322.25	1/4	3,072.49	1/4	2,822.75	1/4	2,573.01	1/4	2,323.30	1/4	2,073.56	1/4	1,823.80	1/4	1,574.04
1/2	1/2	1/2		1/2	3,317.05	1/2	3,067.29	1/2	2,817.55	1/2	2,567.81	1/2	2,318.10	1/2	2,068.36	1/2	1,818.60	1/2	1,568.83
3/4	3/4	3/4		3/4	3,311.85	3/4	3,062.08	3/4	2,812.35	3/4	2,562.61	3/4	2,312.89	3/4	2,063.15	3/4	1,813.39	3/4	1,563.63

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT THE "UTI / MMC" VAPOR LOCK VALVE PIPE.  
 GAUGE POINT: (UTI / MMC) LOCATED 1'-00" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD.  
 GAUGE HEIGHT REPRESENTS HEIGHT TO TOP OF VAPOR LOCK VALVE.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
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# BARGE "CBC 19"

## 3 CENTER ULLAGE TABLE

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

FORMERLY "GBL 1210 & KIRBY 10356"

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,558.43	0	1,308.67	0	1,058.90	0	809.14	0	559.43	0	309.71	0	60.88	0		0		0	
1/4	1,553.23	1/4	1,303.46	1/4	1,053.70	1/4	803.93	1/4	554.23	1/4	304.51	1/4	56.14	1/4		1/4		1/4	
1/2	1,548.02	1/2	1,298.26	1/2	1,048.50	1/2	798.73	1/2	549.02	1/2	299.31	1/2	51.39	1/2		1/2		1/2	
3/4	1,542.82	3/4	1,293.06	3/4	1,043.30	3/4	793.52	3/4	543.82	3/4	294.11	3/4	46.65	3/4		3/4		3/4	
1	1,537.62	1	1,287.86	1	1,038.10	1	788.31	1	538.62	1	288.90	1	41.90	1		1		1	
1/4	1,532.42	1/4	1,282.65	1/4	1,032.89	1/4	783.11	1/4	533.42	1/4	283.70	1/4	37.49	1/4		1/4		1/4	
1/2	1,527.21	1/2	1,277.45	1/2	1,027.68	1/2	777.91	1/2	528.22	1/2	278.50	1/2	33.08	1/2		1/2		1/2	
3/4	1,522.01	3/4	1,272.25	3/4	1,022.47	3/4	772.70	3/4	523.01	3/4	273.30	3/4	28.67	3/4		3/4		3/4	
2	1,516.81	2	1,267.05	2	1,017.26	2	767.50	2	517.81	2	268.10	2	24.26	2		2		2	
1/4	1,511.61	1/4	1,261.84	1/4	1,012.06	1/4	762.30	1/4	512.61	1/4	262.89	1/4	20.90	1/4		1/4		1/4	
1/2	1,506.40	1/2	1,256.63	1/2	1,006.86	1/2	757.10	1/2	507.41	1/2	257.69	1/2	17.55	1/2		1/2		1/2	
3/4	1,501.20	3/4	1,251.42	3/4	1,001.65	3/4	751.89	3/4	502.20	3/4	252.49	3/4	14.19	3/4		3/4		3/4	
3	1,496.00	3	1,246.21	3	996.45	3	746.69	3	497.00	3	247.29	3	10.83	3		3		3	
1/4	1,490.79	1/4	1,241.01	1/4	991.25	1/4	741.49	1/4	491.80	1/4	242.08	1/4	8.90	1/4		1/4		1/4	
1/2	1,485.58	1/2	1,235.81	1/2	986.05	1/2	736.29	1/2	486.60	1/2	236.87	1/2	6.98	1/2		1/2		1/2	
3/4	1,480.38	3/4	1,230.61	3/4	980.85	3/4	731.08	3/4	481.39	3/4	231.66	3/4	5.05	3/4		3/4		3/4	
4	1,475.17	4	1,225.40	4	975.64	4	725.88	4	476.19	4	226.45	4	3.12	4		4		4	
1/4	1,469.96	1/4	1,220.20	1/4	970.44	1/4	720.68	1/4	470.99	1/4	221.25	1/4	2.49	1/4		1/4		1/4	
1/2	1,464.76	1/2	1,215.00	1/2	965.24	1/2	715.48	1/2	465.79	1/2	216.05	1/2	1.87	1/2		1/2		1/2	
3/4	1,459.56	3/4	1,209.80	3/4	960.04	3/4	710.27	3/4	460.58	3/4	210.85	3/4	1.24	3/4		3/4		3/4	
5	1,454.36	5	1,204.60	5	954.83	5	705.07	5	455.38	5	205.64	5		5		5		5	
1/4	1,449.15	1/4	1,199.39	1/4	949.63	1/4	699.87	1/4	450.18	1/4	200.44	1/4		1/4		1/4		1/4	
1/2	1,443.95	1/2	1,194.19	1/2	944.43	1/2	694.67	1/2	444.98	1/2	195.24	1/2		1/2		1/2		1/2	
3/4	1,438.75	3/4	1,188.99	3/4	939.23	3/4	689.46	3/4	439.77	3/4	190.04	3/4		3/4		3/4		3/4	
6	1,433.55	6	1,183.79	6	934.02	6	684.26	6	434.57	6	184.83	6		6		6		6	
1/4	1,428.35	1/4	1,178.58	1/4	928.82	1/4	679.06	1/4	429.37	1/4	179.63	1/4		1/4		1/4		1/4	
1/2	1,423.14	1/2	1,173.38	1/2	923.62	1/2	673.86	1/2	424.17	1/2	174.43	1/2		1/2		1/2		1/2	
3/4	1,417.94	3/4	1,168.18	3/4	918.42	3/4	668.65	3/4	418.96	3/4	169.23	3/4		3/4		3/4		3/4	
7	1,412.74	7	1,162.98	7	913.21	7	663.45	7	413.76	7	164.02	7		7		7		7	
1/4	1,407.54	1/4	1,157.77	1/4	908.01	1/4	658.25	1/4	408.56	1/4	158.82	1/4		1/4		1/4		1/4	
1/2	1,402.33	1/2	1,152.57	1/2	902.80	1/2	653.05	1/2	403.36	1/2	153.62	1/2		1/2		1/2		1/2	
3/4	1,397.13	3/4	1,147.37	3/4	897.59	3/4	647.85	3/4	398.16	3/4	148.42	3/4		3/4		3/4		3/4	
8	1,391.93	8	1,142.17	8	892.38	8	642.64	8	392.95	8	143.21	8		8		8		8	
1/4	1,386.73	1/4	1,136.96	1/4	887.18	1/4	637.44	1/4	387.75	1/4	138.01	1/4		1/4		1/4		1/4	
1/2	1,381.52	1/2	1,131.75	1/2	881.98	1/2	632.24	1/2	382.55	1/2	132.81	1/2		1/2		1/2		1/2	
3/4	1,376.32	3/4	1,126.54	3/4	876.77	3/4	627.04	3/4	377.35	3/4	127.61	3/4		3/4		3/4		3/4	
9	1,371.12	9	1,121.33	9	871.57	9	621.83	9	372.14	9	122.40	9		9		9		9	
1/4	1,365.91	1/4	1,116.13	1/4	866.37	1/4	616.63	1/4	366.94	1/4	117.20	1/4		1/4		1/4		1/4	
1/2	1,360.70	1/2	1,110.93	1/2	861.17	1/2	611.43	1/2	361.74	1/2	112.00	1/2		1/2		1/2		1/2	
3/4	1,355.49	3/4	1,105.73	3/4	855.96	3/4	606.23	3/4	356.54	3/4	106.80	3/4		3/4		3/4		3/4	
10	1,350.29	10	1,100.52	10	850.76	10	601.02	10	351.33	10	101.60	10		10		10		10	
1/4	1,345.08	1/4	1,095.32	1/4	845.56	1/4	595.82	1/4	346.13	1/4	96.43	1/4		1/4		1/4		1/4	
1/2	1,339.88	1/2	1,090.12	1/2	840.36	1/2	590.62	1/2	340.93	1/2	91.26	1/2		1/2		1/2		1/2	
3/4	1,334.68	3/4	1,084.92	3/4	835.15	3/4	585.42	3/4	335.73	3/4	86.10	3/4		3/4		3/4		3/4	
11	1,329.48	11	1,079.71	11	829.95	11	580.21	11	330.52	11	80.93	11		11		11		11	
1/4	1,324.27	1/4	1,074.51	1/4	824.75	1/4	575.02	1/4	325.32	1/4	75.92	1/4		1/4		1/4		1/4	
1/2	1,319.07	1/2	1,069.31	1/2	819.55	1/2	569.82	1/2	320.12	1/2	70.90	1/2		1/2		1/2		1/2	
3/4	1,313.87	3/4	1,064.11	3/4	814.35	3/4	564.63	3/4	314.92	3/4	65.89	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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# BARGE "CBC 19"

# 2 CENTER ULLAGE TABLE

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

FORMERLY "GBL 1210 & KIRBY 10356"

GAUGE HEIGHT 16'-04 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	3,554.75	0	3,314.54	0	3,064.32	0	2,814.13	0	2,563.94	0	2,313.77	0	2,063.58	0	1,813.37
1/4	1/4	1/4		1/4	3,551.49	1/4	3,309.32	1/4	3,059.11	1/4	2,808.92	1/4	2,558.73	1/4	2,308.56	1/4	2,058.37	1/4	1,808.16
1/2	1/2	1/2		1/2	3,547.80	1/2	3,304.11	1/2	3,053.89	1/2	2,803.70	1/2	2,553.51	1/2	2,303.35	1/2	2,053.15	1/2	1,802.94
3/4	3/4	3/4		3/4	3,544.11	3/4	3,298.89	3/4	3,048.68	3/4	2,798.49	3/4	2,548.30	3/4	2,298.13	3/4	2,047.94	3/4	1,797.73
1		1		1	3,540.42	1	3,293.68	1	3,043.46	1	2,793.27	1	2,543.08	1	2,292.92	1	2,042.73	1	1,792.51
1/4	1/4	1/4		1/4	3,536.29	1/4	3,288.46	1/4	3,038.25	1/4	2,788.06	1/4	2,537.87	1/4	2,287.70	1/4	2,037.51	1/4	1,787.30
1/2	1/2	1/2		1/2	3,531.73	1/2	3,283.25	1/2	3,033.04	1/2	2,782.85	1/2	2,532.66	1/2	2,282.49	1/2	2,032.30	1/2	1,782.08
3/4	3/4	3/4		3/4	3,527.17	3/4	3,278.04	3/4	3,027.82	3/4	2,777.63	3/4	2,527.46	3/4	2,277.27	3/4	2,027.08	3/4	1,776.87
2		2		2	3,522.61	2	3,272.82	2	3,022.61	2	2,772.42	2	2,522.25	2	2,272.06	2	2,021.87	2	1,771.66
1/4	1/4	1/4		1/4	3,517.74	1/4	3,267.61	1/4	3,017.39	1/4	2,767.21	1/4	2,517.04	1/4	2,266.85	1/4	2,016.65	1/4	1,766.44
1/2	1/2	1/2		1/2	3,512.56	1/2	3,262.39	1/2	3,012.18	1/2	2,762.00	1/2	2,511.82	1/2	2,261.64	1/2	2,011.44	1/2	1,761.24
3/4	3/4	3/4		3/4	3,507.37	3/4	3,257.18	3/4	3,006.96	3/4	2,756.79	3/4	2,506.61	3/4	2,256.43	3/4	2,006.23	3/4	1,756.03
3		3		3	3,502.19	3	3,251.96	3	3,001.75	3	2,751.58	3	2,501.39	3	2,251.22	3	2,001.01	3	1,750.82
1/4	1/4	1/4		1/4	3,496.99	1/4	3,246.75	1/4	2,996.54	1/4	2,746.37	1/4	2,496.18	1/4	2,246.01	1/4	1,995.80	1/4	1,745.61
1/2	1/2	1/2		1/2	3,491.77	1/2	3,241.54	1/2	2,991.33	1/2	2,741.15	1/2	2,490.97	1/2	2,240.80	1/2	1,990.59	1/2	1,740.39
3/4	3/4	3/4		3/4	3,486.56	3/4	3,236.34	3/4	2,986.12	3/4	2,735.94	3/4	2,485.77	3/4	2,235.58	3/4	1,985.38	3/4	1,735.18
4		4		4	3,481.35	4	3,231.13	4	2,980.91	4	2,730.73	4	2,480.56	4	2,230.37	4	1,980.18	4	1,729.96
1/4	1/4	1/4		1/4	3,476.13	1/4	3,225.92	1/4	2,975.70	1/4	2,725.51	1/4	2,475.35	1/4	2,225.15	1/4	1,974.96	1/4	1,724.75
1/2	1/2	1/2		1/2	3,470.92	1/2	3,220.70	1/2	2,970.49	1/2	2,720.30	1/2	2,470.13	1/2	2,219.94	1/2	1,969.75	1/2	1,719.54
3/4	3/4	3/4		3/4	3,465.70	3/4	3,215.49	3/4	2,965.27	3/4	2,715.08	3/4	2,464.92	3/4	2,214.73	3/4	1,964.54	3/4	1,714.32
5		5		5	3,460.49	5	3,210.27	5	2,960.06	5	2,709.87	5	2,459.70	5	2,209.51	5	1,959.32	5	1,709.11
1/4	1/4	1/4		1/4	3,455.27	1/4	3,205.06	1/4	2,954.85	1/4	2,704.66	1/4	2,454.49	1/4	2,204.30	1/4	1,954.11	1/4	1,703.90
1/2	1/2	1/2		1/2	3,450.06	1/2	3,199.85	1/2	2,949.63	1/2	2,699.45	1/2	2,449.27	1/2	2,199.09	1/2	1,948.89	1/2	1,698.69
3/4	3/4	3/4		3/4	3,444.85	3/4	3,194.63	3/4	2,944.42	3/4	2,694.24	3/4	2,444.06	3/4	2,193.88	3/4	1,943.68	3/4	1,693.48
6		6		6	3,439.63	6	3,189.42	6	2,939.20	6	2,689.03	6	2,438.85	6	2,188.68	6	1,938.46	6	1,688.27
1/4	1/4	1/4		1/4	3,434.42	1/4	3,184.20	1/4	2,933.99	1/4	2,683.82	1/4	2,433.63	1/4	2,183.46	1/4	1,933.25	1/4	1,683.06
1/2	1/2	1/2		1/2	3,429.21	1/2	3,178.99	1/2	2,928.78	1/2	2,678.61	1/2	2,428.43	1/2	2,178.25	1/2	1,928.04	1/2	1,677.85
3/4	3/4	3/4		3/4	3,424.00	3/4	3,173.77	3/4	2,923.57	3/4	2,673.39	3/4	2,423.22	3/4	2,173.04	3/4	1,922.84	3/4	1,672.63
7		7		7	3,418.79	7	3,168.56	7	2,918.37	7	2,668.18	7	2,418.01	7	2,167.82	7	1,917.63	7	1,667.42
1/4	1/4	1/4		1/4	3,413.58	1/4	3,163.35	1/4	2,913.16	1/4	2,662.97	1/4	2,412.80	1/4	2,162.61	1/4	1,912.42	1/4	1,662.20
1/2	1/2	1/2		1/2	3,408.37	1/2	3,158.14	1/2	2,907.94	1/2	2,657.76	1/2	2,407.58	1/2	2,157.40	1/2	1,907.20	1/2	1,656.99
3/4	3/4	3/4		3/4	3,403.15	3/4	3,152.93	3/4	2,902.73	3/4	2,652.55	3/4	2,402.37	3/4	2,152.19	3/4	1,901.99	3/4	1,651.77
8		8		8	3,397.94	8	3,147.72	8	2,897.51	8	2,647.34	8	2,397.16	8	2,146.99	8	1,896.77	8	1,646.56
1/4	3/8	3,577.79	1/4	3,392.73	1/4	3,142.51	1/4	2,892.30	1/4	2,642.13	1/4	2,391.94	1/4	2,141.77	1/4	1,891.56	1/4	1,641.35	
1/2	1/2	3,577.62	1/2	3,387.51	1/2	3,137.30	1/2	2,887.08	1/2	2,636.92	1/2	2,386.73	1/2	2,136.56	1/2	1,886.35	1/2	1,636.13	
3/4	3/4	3,577.30	3/4	3,382.30	3/4	3,132.08	3/4	2,881.87	3/4	2,631.70	3/4	2,381.51	3/4	2,131.35	3/4	1,881.13	3/4	1,630.92	
9		9	3,576.97	9	3,377.08	9	3,126.87	9	2,876.66	9	2,626.49	9	2,376.30	9	2,126.13	9	1,875.92	9	1,625.70
1/4	1/4	3,576.26	1/4	3,371.87	1/4	3,121.66	1/4	2,871.44	1/4	2,621.27	1/4	2,371.09	1/4	2,120.92	1/4	1,870.70	1/4	1,620.49	
1/2	1/2	3,575.18	1/2	3,366.65	1/2	3,116.44	1/2	2,866.24	1/2	2,616.06	1/2	2,365.88	1/2	2,115.70	1/2	1,865.49	1/2	1,615.28	
3/4	3/4	3,574.09	3/4	3,361.44	3/4	3,111.23	3/4	2,861.03	3/4	2,610.85	3/4	2,360.67	3/4	2,110.49	3/4	1,860.27	3/4	1,610.07	
10		10	3,573.00	10	3,356.23	10	3,106.01	10	2,855.82	10	2,605.63	10	2,355.46	10	2,105.27	10	1,855.06	10	1,604.87
1/4	1/4	3,571.48	1/4	3,351.01	1/4	3,100.80	1/4	2,850.61	1/4	2,600.42	1/4	2,350.25	1/4	2,100.06	1/4	1,849.85	1/4	1,599.66	
1/2	1/2	3,569.52	1/2	3,345.81	1/2	3,095.58	1/2	2,845.39	1/2	2,595.21	1/2	2,345.04	1/2	2,094.85	1/2	1,844.64	1/2	1,594.44	
3/4	3/4	3,567.57	3/4	3,340.60	3/4	3,090.37	3/4	2,840.18	3/4	2,590.00	3/4	2,339.82	3/4	2,089.63	3/4	1,839.43	3/4	1,589.23	
11		11	3,565.62	11	3,335.39	11	3,085.16	11	2,834.96	11	2,584.79	11	2,334.61	11	2,084.42	11	1,834.22	11	1,584.01
1/4	1/4	3,563.23	1/4	3,330.18	1/4	3,079.94	1/4	2,829.75	1/4	2,579.58	1/4	2,329.40	1/4	2,079.21	1/4	1,829.01	1/4	1,578.80	
1/2	1/2	3,560.40	1/2	3,324.96	1/2	3,074.74	1/2	2,824.54	1/2	2,574.37	1/2	2,324.19	1/2	2,074.00	1/2	1,823.80	1/2	1,573.58	
3/4	3/4	3,557.57	3/4	3,319.75	3/4	3,069.53	3/4	2,819.34	3/4	2,569.15	3/4	2,318.98	3/4	2,068.79	3/4	1,818.58	3/4	1,568.37	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT THE "UTI / MMC" VAPOR LOCK VALVE PIPE.  
 GAUGE POINT: (UTI / MMC) LOCATED 1'-00" OFF CENTERLINE AND 31'-06" FORWARD OF AFT BULKHEAD.  
 GAUGE HEIGHT REPRESENTS HEIGHT TO TOP OF VAPOR LOCK VALVE.

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 19"

## 2 CENTER ULLAGE TABLE

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

FORMERLY "GBL 1210 & KIRBY 10356"

GAUGE HEIGHT 16'-04 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	1,563.15	0	1,312.94	0	1,062.73	0	812.51	0	562.98	0	312.89	0	63.51	0		0		0	
1/4	1,557.94	1/4	1,307.73	1/4	1,057.51	1/4	807.30	1/4	557.78	1/4	307.68	1/4	58.63	1/4		1/4		1/4	
1/2	1,552.73	1/2	1,302.51	1/2	1,052.30	1/2	802.08	1/2	552.59	1/2	302.46	1/2	53.88	1/2		1/2		1/2	
3/4	1,547.51	3/4	1,297.30	3/4	1,047.08	3/4	796.87	3/4	547.39	3/4	297.25	3/4	49.13	3/4		3/4		3/4	
1	1,542.30	1	1,292.08	1	1,041.87	1	791.65	1	542.19	1	292.04	1	44.38	1		1		1	
1/4	1,537.09	1/4	1,286.87	1/4	1,036.66	1/4	786.44	1/4	536.99	1/4	286.82	1/4	39.79	1/4		1/4		1/4	
1/2	1,531.88	1/2	1,281.65	1/2	1,031.44	1/2	781.23	1/2	531.78	1/2	281.62	1/2	35.37	1/2		1/2		1/2	
3/4	1,526.67	3/4	1,276.44	3/4	1,026.23	3/4	776.01	3/4	526.57	3/4	276.41	3/4	30.94	3/4		3/4		3/4	
2	1,521.46	2	1,271.23	2	1,021.01	2	770.80	2	521.37	2	271.20	2	26.52	2		2		2	
1/4	1,516.25	1/4	1,266.01	1/4	1,015.80	1/4	765.58	1/4	516.15	1/4	265.99	1/4	22.63	1/4		1/4		1/4	
1/2	1,511.04	1/2	1,260.81	1/2	1,010.58	1/2	760.37	1/2	510.94	1/2	260.77	1/2	19.26	1/2		1/2		1/2	
3/4	1,505.82	3/4	1,255.60	3/4	1,005.37	3/4	755.15	3/4	505.73	3/4	255.56	3/4	15.90	3/4		3/4		3/4	
3	1,500.61	3	1,250.39	3	1,000.15	3	749.94	3	500.51	3	250.35	3	12.54	3		3		3	
1/4	1,495.39	1/4	1,245.18	1/4	994.94	1/4	744.74	1/4	495.30	1/4	245.13	1/4	9.89	1/4		1/4		1/4	
1/2	1,490.18	1/2	1,239.96	1/2	989.74	1/2	739.55	1/2	490.09	1/2	239.92	1/2	7.96	1/2		1/2		1/2	
3/4	1,484.96	3/4	1,234.75	3/4	984.53	3/4	734.36	3/4	484.88	3/4	234.70	3/4	6.02	3/4		3/4		3/4	
4	1,479.75	4	1,229.54	4	979.32	4	729.17	4	479.68	4	229.49	4	4.09	4		4		4	
1/4	1,474.54	1/4	1,224.32	1/4	974.11	1/4	723.97	1/4	474.46	1/4	224.28	1/4	2.81	1/4		1/4		1/4	
1/2	1,469.32	1/2	1,219.11	1/2	968.89	1/2	718.78	1/2	469.25	1/2	219.07	1/2	2.18	1/2		1/2		1/2	
3/4	1,464.11	3/4	1,213.89	3/4	963.68	3/4	713.58	3/4	464.04	3/4	213.86	3/4	1.56	3/4		3/4		3/4	
5	1,458.89	5	1,208.68	5	958.46	5	708.38	5	458.82	5	208.65	7/8	1.24	5		5		5	
1/4	1,453.68	1/4	1,203.46	1/4	953.25	1/4	703.19	1/4	453.61	1/4	203.44	1/4		1/4		1/4		1/4	
1/2	1,448.47	1/2	1,198.25	1/2	948.04	1/2	698.00	1/2	448.40	1/2	198.23	1/2		1/2		1/2		1/2	
3/4	1,443.27	3/4	1,193.04	3/4	942.82	3/4	692.81	3/4	443.19	3/4	193.01	3/4		3/4		3/4		3/4	
6	1,438.06	6	1,187.82	6	937.61	6	687.62	6	437.99	6	187.80	6		6		6		6	
1/4	1,432.85	1/4	1,182.61	1/4	932.39	1/4	682.43	1/4	432.77	1/4	182.58	1/4		1/4		1/4		1/4	
1/2	1,427.63	1/2	1,177.40	1/2	927.18	1/2	677.24	1/2	427.56	1/2	177.37	1/2		1/2		1/2		1/2	
3/4	1,422.42	3/4	1,172.19	3/4	921.96	3/4	672.05	3/4	422.35	3/4	172.15	3/4		3/4		3/4		3/4	
7	1,417.20	7	1,166.99	7	916.75	7	666.86	7	417.13	7	166.94	7		7		7		7	
1/4	1,411.99	1/4	1,161.77	1/4	911.54	1/4	661.66	1/4	411.92	1/4	161.73	1/4		1/4		1/4		1/4	
1/2	1,406.77	1/2	1,156.56	1/2	906.33	1/2	656.47	1/2	406.70	1/2	156.52	1/2		1/2		1/2		1/2	
3/4	1,401.56	3/4	1,151.35	3/4	901.12	3/4	651.27	3/4	401.49	3/4	151.31	3/4		3/4		3/4		3/4	
8	1,396.35	8	1,146.13	8	895.91	8	646.07	8	396.27	8	146.10	8		8		8		8	
1/4	1,391.13	1/4	1,140.92	1/4	890.70	1/4	640.88	1/4	391.06	1/4	140.89	1/4		1/4		1/4		1/4	
1/2	1,385.92	1/2	1,135.70	1/2	885.49	1/2	635.69	1/2	385.85	1/2	135.68	1/2		1/2		1/2		1/2	
3/4	1,380.70	3/4	1,130.49	3/4	880.27	3/4	630.50	3/4	380.65	3/4	130.46	3/4		3/4		3/4		3/4	
9	1,375.49	9	1,125.27	9	875.06	9	625.31	9	375.44	9	125.25	9		9		9		9	
1/4	1,370.28	1/4	1,120.06	1/4	869.85	1/4	620.12	1/4	370.23	1/4	120.04	1/4		1/4		1/4		1/4	
1/2	1,365.07	1/2	1,114.85	1/2	864.63	1/2	614.92	1/2	365.01	1/2	114.83	1/2		1/2		1/2		1/2	
3/4	1,359.86	3/4	1,109.63	3/4	859.42	3/4	609.72	3/4	359.80	3/4	109.62	3/4		3/4		3/4		3/4	
10	1,354.65	10	1,104.42	10	854.20	10	604.53	10	354.58	10	104.41	10		10		10		10	
1/4	1,349.44	1/4	1,099.21	1/4	848.99	1/4	599.33	1/4	349.37	1/4	99.22	1/4		1/4		1/4		1/4	
1/2	1,344.23	1/2	1,094.00	1/2	843.77	1/2	594.14	1/2	344.16	1/2	94.04	1/2		1/2		1/2		1/2	
3/4	1,339.01	3/4	1,088.79	3/4	838.56	3/4	588.95	3/4	338.96	3/4	88.86	3/4		3/4		3/4		3/4	
11	1,333.80	11	1,083.58	11	833.35	11	583.76	11	333.75	11	83.68	11		11		11		11	
1/4	1,328.58	1/4	1,078.37	1/4	828.13	1/4	578.57	1/4	328.54	1/4	78.58	1/4		1/4		1/4		1/4	
1/2	1,323.37	1/2	1,073.16	1/2	822.93	1/2	573.37	1/2	323.32	1/2	73.56	1/2		1/2		1/2		1/2	
3/4	1,318.15	3/4	1,067.94	3/4	817.72	3/4	568.18	3/4	318.11	3/4	68.54	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/1997 ITS  
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CANCELS AND SUPERCEDES  
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# BARGE "CBC 19"

# 1 CENTER ULLAGE TABLE

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

FORMERLY "GBL 1210 & KIRBY 10356"

GAUGE HEIGHT 16'-04 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	3,465.51	0	3,242.26	0	3,011.57	0	2,780.91	0	2,548.14	0	2,299.00	0	2,049.85	0	1,800.69
1/4	1/4	1/4		1/4	3,462.12	1/4	3,237.45	1/4	3,006.77	1/4	2,776.10	1/4	2,542.95	1/4	2,293.81	1/4	2,044.66	1/4	1,795.50
1/2	1/2	1/2		1/2	3,458.72	1/2	3,232.64	1/2	3,001.97	1/2	2,771.30	1/2	2,537.76	1/2	2,288.62	1/2	2,039.46	1/2	1,790.31
3/4	3/4	3/4		3/4	3,455.32	3/4	3,227.83	3/4	2,997.16	3/4	2,766.50	3/4	2,532.57	3/4	2,283.43	3/4	2,034.27	3/4	1,785.12
1		1		1	3,451.51	1	3,223.03	1	2,992.36	1	2,761.69	1	2,527.38	1	2,278.24	1	2,029.07	1	1,779.93
1/4	1/4	1/4		1/4	3,447.31	1/4	3,218.22	1/4	2,987.56	1/4	2,756.88	1/4	2,522.19	1/4	2,273.05	1/4	2,023.88	1/4	1,774.73
1/2	1/2	1/2		1/2	3,443.10	1/2	3,213.42	1/2	2,982.75	1/2	2,752.07	1/2	2,517.00	1/2	2,267.86	1/2	2,018.69	1/2	1,769.53
3/4	3/4	3/4		3/4	3,438.89	3/4	3,208.62	3/4	2,977.95	3/4	2,747.26	3/4	2,511.81	3/4	2,262.67	3/4	2,013.50	3/4	1,764.34
2		2		2	3,434.40	2	3,203.81	2	2,973.14	2	2,742.46	2	2,506.62	2	2,257.48	2	2,008.31	2	1,759.14
1/4	1/4	1/4		1/4	3,429.62	1/4	3,199.01	1/4	2,968.33	1/4	2,737.65	1/4	2,501.43	1/4	2,252.29	1/4	2,003.12	1/4	1,753.95
1/2	1/2	1/2		1/2	3,424.84	1/2	3,194.21	1/2	2,963.52	1/2	2,732.85	1/2	2,496.24	1/2	2,247.10	1/2	1,997.93	1/2	1,748.76
3/4	3/4	3/4		3/4	3,420.06	3/4	3,189.40	3/4	2,958.71	3/4	2,728.04	3/4	2,491.05	3/4	2,241.91	3/4	1,992.74	3/4	1,743.57
3		3		3	3,415.26	3	3,184.60	3	2,953.91	3	2,723.24	3	2,485.86	3	2,236.71	3	1,987.55	3	1,738.38
1/4	1/4	1/4		1/4	3,410.46	1/4	3,179.79	1/4	2,949.10	1/4	2,718.44	1/4	2,480.67	1/4	2,231.52	1/4	1,982.36	1/4	1,733.19
1/2	1/2	1/2		1/2	3,405.66	1/2	3,174.98	1/2	2,944.30	1/2	2,713.63	1/2	2,475.48	1/2	2,226.33	1/2	1,977.17	1/2	1,728.00
3/4	3/4	3/4		3/4	3,400.85	3/4	3,170.17	3/4	2,939.50	3/4	2,708.83	3/4	2,470.29	3/4	2,221.14	3/4	1,971.98	3/4	1,722.81
4		4		4	3,396.05	4	3,165.36	4	2,934.69	4	2,704.02	4	2,465.10	4	2,215.95	4	1,966.79	4	1,717.62
1/4	1/4	1/4		1/4	3,391.24	1/4	3,160.56	1/4	2,929.88	1/4	2,699.21	1/4	2,459.91	1/4	2,210.76	1/4	1,961.60	1/4	1,712.43
1/2	1/2	1/2		1/2	3,386.43	1/2	3,155.75	1/2	2,925.07	1/2	2,694.40	1/2	2,454.72	1/2	2,205.57	1/2	1,956.41	1/2	1,707.24
3/4	3/4	3/4		3/4	3,381.62	3/4	3,150.95	3/4	2,920.26	3/4	2,689.60	3/4	2,449.53	3/4	2,200.38	3/4	1,951.21	3/4	1,702.05
5		5		5	3,376.81	5	3,146.14	5	2,915.46	5	2,684.79	5	2,444.33	5	2,195.19	5	1,946.02	5	1,696.86
1/4	1/4	1/4		1/4	3,372.01	1/4	3,141.33	1/4	2,910.65	1/4	2,679.99	1/4	2,439.14	1/4	2,190.00	1/4	1,940.83	1/4	1,691.67
1/2	1/2	1/2		1/2	3,367.21	1/2	3,136.52	1/2	2,905.85	1/2	2,675.18	1/2	2,433.95	1/2	2,184.81	1/2	1,935.64	1/2	1,686.48
3/4	3/4	3/4		3/4	3,362.40	3/4	3,131.71	3/4	2,901.04	3/4	2,670.38	3/4	2,428.76	3/4	2,179.62	3/4	1,930.45	3/4	1,681.29
6		6		6	3,357.60	6	3,126.91	6	2,896.24	6	2,665.57	6	2,423.57	6	2,174.43	6	1,925.26	6	1,676.10
1/4	1/4	1/4		1/4	3,352.79	1/4	3,122.10	1/4	2,891.44	1/4	2,660.77	1/4	2,418.38	1/4	2,169.24	1/4	1,920.07	1/4	1,670.91
1/2	1/2	1/2		1/2	3,347.98	1/2	3,117.30	1/2	2,886.63	1/2	2,655.97	1/2	2,413.19	1/2	2,164.05	1/2	1,914.88	1/2	1,665.72
3/4	3/4	3/4		3/4	3,343.17	3/4	3,112.50	3/4	2,881.83	3/4	2,651.16	3/4	2,408.00	3/4	2,158.86	3/4	1,909.69	3/4	1,660.52
7		7		7	3,338.36	7	3,107.69	7	2,877.02	7	2,646.36	7	2,402.81	7	2,153.67	7	1,904.50	7	1,655.33
1/4	1/4	1/4		1/4	3,333.56	1/4	3,102.89	1/4	2,872.21	1/4	2,641.55	1/4	2,397.62	1/4	2,148.48	1/4	1,899.31	1/4	1,650.14
1/2	1/2	1/2		1/2	3,328.75	1/2	3,098.09	1/2	2,867.40	1/2	2,636.74	1/2	2,392.43	1/2	2,143.29	1/2	1,894.12	1/2	1,644.95
3/4	3/4	3/4		3/4	3,323.95	3/4	3,093.28	3/4	2,862.60	3/4	2,631.93	3/4	2,387.24	3/4	2,138.10	3/4	1,888.93	3/4	1,639.76
8		8 1/8	3,489.74	8	3,319.15	8	3,088.48	8	2,857.79	8	2,627.12	8	2,382.05	8	2,132.90	8	1,883.74	8	1,634.57
1/4	1/4	1/4	3,489.59	1/4	3,314.34	1/4	3,083.67	1/4	2,852.99	1/4	2,622.32	1/4	2,376.86	1/4	2,127.71	1/4	1,878.55	1/4	1,629.38
1/2	1/2	1/2	3,489.30	1/2	3,309.54	1/2	3,078.86	1/2	2,848.18	1/2	2,617.52	1/2	2,371.67	1/2	2,122.52	1/2	1,873.36	1/2	1,624.19
3/4	3/4	3/4	3,489.00	3/4	3,304.74	3/4	3,074.05	3/4	2,843.38	3/4	2,612.71	3/4	2,366.48	3/4	2,117.33	3/4	1,868.17	3/4	1,619.00
9		9	3,488.35	9	3,299.93	9	3,069.24	9	2,838.57	9	2,607.91	9	2,361.29	9	2,112.14	9	1,862.98	9	1,613.81
1/4	1/4	1/4	3,487.35	1/4	3,295.12	1/4	3,064.44	1/4	2,833.77	1/4	2,603.10	1/4	2,356.10	1/4	2,106.95	1/4	1,857.79	1/4	1,608.62
1/2	1/2	1/2	3,486.34	1/2	3,290.31	1/2	3,059.63	1/2	2,828.97	1/2	2,598.30	1/2	2,350.91	1/2	2,101.76	1/2	1,852.60	1/2	1,603.43
3/4	3/4	3/4	3,485.34	3/4	3,285.50	3/4	3,054.83	3/4	2,824.16	3/4	2,593.50	3/4	2,345.72	3/4	2,096.57	3/4	1,847.40	3/4	1,598.24
10		10	3,483.93	10	3,280.69	10	3,050.03	10	2,819.36	10	2,588.65	10	2,340.52	10	2,091.38	10	1,842.21	10	1,593.05
1/4	1/4	1/4	3,482.14	1/4	3,275.89	1/4	3,045.22	1/4	2,814.55	1/4	2,583.75	1/4	2,335.33	1/4	2,086.19	1/4	1,837.02	1/4	1,587.86
1/2	1/2	1/2	3,480.34	1/2	3,271.09	1/2	3,040.42	1/2	2,809.74	1/2	2,578.85	1/2	2,330.14	1/2	2,081.00	1/2	1,831.83	1/2	1,582.67
3/4	3/4	3/4	3,478.54	3/4	3,266.28	3/4	3,035.62	3/4	2,804.93	3/4	2,573.95	3/4	2,324.95	3/4	2,075.81	3/4	1,826.64	3/4	1,577.48
11		11	3,476.34	11	3,261.48	11	3,030.81	11	2,800.12	11	2,568.91	11	2,319.76	11	2,070.62	11	1,821.45	11	1,572.29
1/4	1/4	1/4	3,473.73	1/4	3,256.68	1/4	3,026.00	1/4	2,795.32	1/4	2,563.72	1/4	2,314.57	1/4	2,065.43	1/4	1,816.26	1/4	1,567.10
1/2	1/2	1/2	3,471.13	1/2	3,251.87	1/2	3,021.19	1/2	2,790.52	1/2	2,558.53	1/2	2,309.38	1/2	2,060.24	1/2	1,811.07	1/2	1,561.91
3/4	3/4	3/4	3,468.52	3/4	3,247.07	3/4	3,016.38	3/4	2,785.71	3/4	2,553.34	3/4	2,304.19	3/4	2,055.05	3/4	1,805.88	3/4	1,556.71

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT THE "UTI / MMC" VAPOR LOCK VALVE PIPE.  
GAUGE POINT: (UTI / MMC) LOCATED 1'-00" OFF CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD.  
GAUGE HEIGHT REPRESENTS HEIGHT TO TOP OF VAPOR LOCK VALVE.

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 19"

## 1 CENTER ULLAGE TABLE

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

FORMERLY "GBL 1210 & KIRBY 10356"

GAUGE HEIGHT 16'-04 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	1,551.52	0	1,302.36	0	1,053.21	0	804.05	0	555.51	0	306.41	0	58.40	0		0		0	
1/4	1,546.33	1/4	1,297.17	1/4	1,048.02	1/4	798.86	1/4	550.33	1/4	301.22	1/4	53.66	1/4		1/4		1/4	
1/2	1,541.14	1/2	1,291.98	1/2	1,042.83	1/2	793.67	1/2	545.15	1/2	296.02	1/2	48.93	1/2		1/2		1/2	
3/4	1,535.95	3/4	1,286.79	3/4	1,037.64	3/4	788.48	3/4	539.97	3/4	290.83	3/4	44.20	3/4		3/4		3/4	
1	1,530.76	1	1,281.60	1	1,032.45	1	783.29	1	534.79	1	285.64	1	39.63	1		1		1	
1/4	1,525.57	1/4	1,276.41	1/4	1,027.26	1/4	778.10	1/4	529.60	1/4	280.45	1/4	35.24	1/4		1/4		1/4	
1/2	1,520.38	1/2	1,271.22	1/2	1,022.07	1/2	772.90	1/2	524.41	1/2	275.26	1/2	30.84	1/2		1/2		1/2	
3/4	1,515.19	3/4	1,266.02	3/4	1,016.88	3/4	767.71	3/4	519.22	3/4	270.07	3/4	26.44	3/4		3/4		3/4	
2	1,510.00	2	1,260.83	2	1,011.69	2	762.52	2	514.03	2	264.88	2	22.56	2		2		2	
1/4	1,504.81	1/4	1,255.64	1/4	1,006.50	1/4	757.33	1/4	508.84	1/4	259.69	1/4	19.21	1/4		1/4		1/4	
1/2	1,499.62	1/2	1,250.45	1/2	1,001.31	1/2	752.14	1/2	503.64	1/2	254.50	1/2	15.86	1/2		1/2		1/2	
3/4	1,494.43	3/4	1,245.26	3/4	996.12	3/4	746.95	3/4	498.45	3/4	249.31	3/4	12.51	3/4		3/4		3/4	
3	1,489.24	3	1,240.07	3	990.93	3	741.77	3	493.26	3	244.12	3	9.87	3		3		3	
1/4	1,484.05	1/4	1,234.88	1/4	985.74	1/4	736.60	1/4	488.07	1/4	238.93	1/4	7.94	1/4		1/4		1/4	
1/2	1,478.86	1/2	1,229.69	1/2	980.55	1/2	731.43	1/2	482.88	1/2	233.74	1/2	6.01	1/2		1/2		1/2	
3/4	1,473.67	3/4	1,224.50	3/4	975.36	3/4	726.25	3/4	477.69	3/4	228.55	3/4	4.08	3/4		3/4		3/4	
4	1,468.48	4	1,219.31	4	970.16	4	721.08	4	472.50	4	223.36	4	2.81	4		4		4	
1/4	1,463.29	1/4	1,214.12	1/4	964.97	1/4	715.90	1/4	467.31	1/4	218.17	1/4	2.18	1/4		1/4		1/4	
1/2	1,458.10	1/2	1,208.93	1/2	959.77	1/2	710.72	1/2	462.12	1/2	212.98	1/2	1.56	1/2		1/2		1/2	
3/4	1,452.90	3/4	1,203.74	3/4	954.58	3/4	705.54	3/4	456.93	3/4	207.79	3/4	1.24	3/4		3/4		3/4	
5	1,447.71	5	1,198.55	5	949.38	5	700.37	5	451.74	5	202.60	5		5		5		5	
1/4	1,442.52	1/4	1,193.36	1/4	944.19	1/4	695.19	1/4	446.55	1/4	197.41	1/4		1/4		1/4		1/4	
1/2	1,437.33	1/2	1,188.17	1/2	939.00	1/2	690.02	1/2	441.36	1/2	192.21	1/2		1/2		1/2		1/2	
3/4	1,432.14	3/4	1,182.98	3/4	933.81	3/4	684.85	3/4	436.17	3/4	187.02	3/4		3/4		3/4		3/4	
6	1,426.95	6	1,177.79	6	928.62	6	679.68	6	430.98	6	181.83	6		6		6		6	
1/4	1,421.75	1/4	1,172.60	1/4	923.43	1/4	674.50	1/4	425.79	1/4	176.64	1/4		1/4		1/4		1/4	
1/2	1,416.56	1/2	1,167.41	1/2	918.24	1/2	669.33	1/2	420.60	1/2	171.45	1/2		1/2		1/2		1/2	
3/4	1,411.36	3/4	1,162.21	3/4	913.05	3/4	664.16	3/4	415.41	3/4	166.26	3/4		3/4		3/4		3/4	
7	1,406.17	7	1,157.02	7	907.86	7	658.99	7	410.22	7	161.07	7		7		7		7	
1/4	1,400.98	1/4	1,151.83	1/4	902.67	1/4	653.81	1/4	405.03	1/4	155.88	1/4		1/4		1/4		1/4	
1/2	1,395.79	1/2	1,146.64	1/2	897.48	1/2	648.64	1/2	399.83	1/2	150.69	1/2		1/2		1/2		1/2	
3/4	1,390.60	3/4	1,141.45	3/4	892.29	3/4	643.47	3/4	394.64	3/4	145.50	3/4		3/4		3/4		3/4	
8	1,385.41	8	1,136.26	8	887.10	8	638.29	8	389.45	8	140.31	8		8		8		8	
1/4	1,380.22	1/4	1,131.07	1/4	881.91	1/4	633.11	1/4	384.26	1/4	135.12	1/4		1/4		1/4		1/4	
1/2	1,375.03	1/2	1,125.88	1/2	876.71	1/2	627.93	1/2	379.07	1/2	129.93	1/2		1/2		1/2		1/2	
3/4	1,369.83	3/4	1,120.69	3/4	871.52	3/4	622.76	3/4	373.88	3/4	124.74	3/4		3/4		3/4		3/4	
9	1,364.64	9	1,115.50	9	866.33	9	617.58	9	368.69	9	119.55	9		9		9		9	
1/4	1,359.45	1/4	1,110.31	1/4	861.14	1/4	612.41	1/4	363.50	1/4	114.36	1/4		1/4		1/4		1/4	
1/2	1,354.26	1/2	1,105.12	1/2	855.95	1/2	607.24	1/2	358.31	1/2	109.17	1/2		1/2		1/2		1/2	
3/4	1,349.07	3/4	1,099.93	3/4	850.76	3/4	602.06	3/4	353.12	3/4	103.98	3/4		3/4		3/4		3/4	
10	1,343.88	10	1,094.74	10	845.57	10	596.89	10	347.93	10	98.82	10		10		10		10	
1/4	1,338.69	1/4	1,089.55	1/4	840.38	1/4	591.72	1/4	342.74	1/4	93.68	1/4		1/4		1/4		1/4	
1/2	1,333.50	1/2	1,084.36	1/2	835.19	1/2	586.54	1/2	337.55	1/2	88.55	1/2		1/2		1/2		1/2	
3/4	1,328.31	3/4	1,079.17	3/4	830.00	3/4	581.37	3/4	332.36	3/4	83.42	3/4		3/4		3/4		3/4	
11	1,323.12	11	1,073.98	11	824.81	11	576.20	11	327.17	11	78.35	11		11		11		11	
1/4	1,317.93	1/4	1,068.79	1/4	819.62	1/4	571.03	1/4	321.98	1/4	73.32	1/4		1/4		1/4		1/4	
1/2	1,312.74	1/2	1,063.60	1/2	814.43	1/2	565.85	1/2	316.79	1/2	68.30	1/2		1/2		1/2		1/2	
3/4	1,307.55	3/4	1,058.40	3/4	809.24	3/4	560.68	3/4	311.60	3/4	63.27	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/1997 ITS  
REPRINTED: 05/26/2015 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2015

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