



BARGE "KIRBY 29088"

ULLAGE TRIM TABLE

FORMERLY: CTCO 316

	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 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 236'-03"

October 25, 2023

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29088"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 316

GAUGE HEIGHT 17'-09"

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	4,943.20	0	4,614.39	0	4,263.87	0	3,897.82	0	3,530.97	0	3,163.59
1/4		1/4		1/4		1/4		1/4	4,936.56	1/4	4,607.29	1/4	4,256.32	1/4	3,890.18	1/4	3,523.32	1/4	3,155.94
1/2		1/2		1/2		1/2		1/2	4,929.91	1/2	4,600.18	1/2	4,248.78	1/2	3,882.54	1/2	3,515.66	1/2	3,148.28
3/4		3/4		3/4		3/4		3/4	4,923.27	3/4	4,593.08	3/4	4,241.23	3/4	3,874.90	3/4	3,508.01	3/4	3,140.63
1		1		1		1		1	4,916.62	1	4,585.98	1	4,233.69	1	3,867.25	1	3,500.36	1	3,132.97
1/4		1/4		1/4		1/4		1/4	4,909.94	1/4	4,578.84	1/4	4,226.11	1/4	3,859.61	1/4	3,492.70	1/4	3,125.32
1/2		1/2		1/2		1/2		1/2	4,903.27	1/2	4,571.71	1/2	4,218.53	1/2	3,851.97	1/2	3,485.05	1/2	3,117.67
3/4		3/4		3/4		3/4		3/4	4,896.59	3/4	4,564.57	3/4	4,210.95	3/4	3,844.33	3/4	3,477.39	3/4	3,110.01
2		2		2		2		2	4,889.91	2	4,557.44	2	4,203.37	2	3,836.69	2	3,469.74	2	3,102.36
1/4		1/4		1/4		1/4		1/4	4,883.20	1/4	4,550.27	1/4	4,195.76	1/4	3,829.04	1/4	3,462.09	1/4	3,094.70
1/2		1/2		1/2		1/2		1/2	4,876.49	1/2	4,543.10	1/2	4,188.14	1/2	3,821.40	1/2	3,454.43	1/2	3,087.05
3/4		3/4		3/4		3/4		3/4	4,869.78	3/4	4,535.93	3/4	4,180.53	3/4	3,813.76	3/4	3,446.78	3/4	3,079.40
3		3		3		3		3	4,863.06	3	4,528.76	3	4,172.92	3	3,806.12	3	3,439.13	3	3,071.74
1/4		1/4		1/4		1/4		1/4	4,856.31	1/4	4,521.56	1/4	4,165.28	1/4	3,798.47	1/4	3,431.47	1/4	3,064.09
1/2		1/2		1/2		1/2		1/2	4,849.56	1/2	4,514.35	1/2	4,157.65	1/2	3,790.83	1/2	3,423.82	1/2	3,056.44
3/4		3/4		3/4		3/4		3/4	4,842.81	3/4	4,507.15	3/4	4,150.01	3/4	3,783.19	3/4	3,416.16	3/4	3,048.78
4		4		4		4		4	4,836.06	4	4,499.95	4	4,142.37	4	3,775.55	4	3,408.51	4	3,041.13
1/4		1/4		1/4		1/4		1/4	4,829.28	1/4	4,492.71	1/4	4,134.73	1/4	3,767.91	1/4	3,400.86	1/4	3,033.47
1/2		1/2		1/2		1/2		1/2	4,822.49	1/2	4,485.47	1/2	4,127.09	1/2	3,760.26	1/2	3,393.20	1/2	3,025.82
3/4		3/4		3/4		3/4		3/4	4,815.71	3/4	4,478.23	3/4	4,119.45	3/4	3,752.62	3/4	3,385.55	3/4	3,018.17
5		5		5		5		5	4,808.92	5	4,471.00	5	4,111.80	5	3,744.98	5	3,377.90	5	3,010.51
1/4		1/4		1/4		1/4		1/4	4,802.11	1/4	4,463.72	1/4	4,104.16	1/4	3,737.34	1/4	3,370.24	1/4	3,002.85
1/2		1/2		1/2		1/2		1/2	4,795.29	1/2	4,456.45	1/2	4,096.52	1/2	3,729.69	1/2	3,362.59	1/2	2,995.19
3/4		3/4		3/4		3/4		3/4	4,788.47	3/4	4,449.17	3/4	4,088.88	3/4	3,722.05	3/4	3,354.93	3/4	2,987.53
6		6		6		6		6	4,781.65	6	4,441.90	6	4,081.24	6	3,714.41	6	3,347.28	6	2,979.87
1/4		1/4		1/4		1/4		1/4	4,774.80	1/4	4,434.57	1/4	4,073.59	1/4	3,706.77	1/4	3,339.63	1/4	2,972.21
1/2		1/2		1/2		1/2		1/2	5,103.57	1/2	4,767.95	1/2	4,427.25	1/2	4,065.95	1/2	3,699.13	1/2	3,331.97
3/4		3/4		3/4		3/4		3/4	5,097.51	3/4	4,761.10	3/4	4,419.92	3/4	4,058.31	3/4	3,691.48	3/4	3,324.32
7		7		7		7		7	5,091.46	7	4,754.25	7	4,412.60	7	4,050.67	7	3,683.84	7	3,316.66
1/4		1/4		1/4		1/4		1/4	5,084.25	1/4	4,747.34	1/4	4,405.23	1/4	4,043.03	1/4	3,676.20	1/4	3,309.01
1/2		1/2		1/2		1/2		1/2	5,077.05	1/2	4,740.44	1/2	4,397.86	1/2	4,035.38	1/2	3,668.56	1/2	3,301.36
3/4		3/4		3/4		3/4		3/4	5,069.85	3/4	4,733.53	3/4	4,390.50	3/4	4,027.74	3/4	3,660.92	3/4	3,293.70
8		8		8		8		8	5,062.64	8	4,726.63	8	4,383.13	8	4,020.10	8	3,653.27	8	3,286.05
1/4		1/4		1/4		1/4		1/4	5,055.06	1/4	4,719.67	1/4	4,375.72	1/4	4,012.46	1/4	3,645.63	1/4	3,278.40
1/2		1/2		1/2		1/2		1/2	5,047.47	1/2	4,712.71	1/2	4,368.32	1/2	4,004.81	1/2	3,637.99	1/2	3,270.74
3/4		3/4		3/4		3/4		3/4	5,039.89	3/4	4,705.75	3/4	4,360.92	3/4	3,997.17	3/4	3,630.35	3/4	3,263.09
9		9		9		9		9	5,032.30	9	4,698.79	9	4,353.52	9	3,989.53	9	3,622.70	9	3,255.43
1/4		1/4		1/4		1/4		1/4	5,024.72	1/4	4,691.79	1/4	4,346.08	1/4	3,981.89	1/4	3,615.06	1/4	3,247.78
1/2		1/2		1/2		1/2		1/2	5,017.13	1/2	4,684.80	1/2	4,338.65	1/2	3,974.25	1/2	3,607.42	1/2	3,240.13
3/4		3/4		3/4		3/4		3/4	5,009.55	3/4	4,677.80	3/4	4,331.21	3/4	3,966.60	3/4	3,599.78	3/4	3,232.47
10		10		10		10		10	5,001.97	10	4,670.80	10	4,323.78	10	3,958.96	10	3,592.14	10	3,224.82
1/4		1/4		1/4		1/4		1/4	4,994.38	1/4	4,663.77	1/4	4,316.31	1/4	3,951.32	1/4	3,584.49	1/4	3,217.17
1/2		1/2		1/2		1/2		1/2	4,986.80	1/2	4,656.73	1/2	4,308.84	1/2	3,943.68	1/2	3,576.85	1/2	3,209.51
3/4		3/4		3/4		3/4		3/4	4,979.21	3/4	4,649.70	3/4	4,301.37	3/4	3,936.03	3/4	3,569.21	3/4	3,201.86
11		11		11		11		11	4,971.63	11	4,642.66	11	4,293.90	11	3,928.39	11	3,561.57	11	3,194.20
1/4		1/4		1/4		1/4		1/4	4,964.52	1/4	4,635.59	1/4	4,286.39	1/4	3,920.75	1/4	3,553.92	1/4	3,186.55
1/2		1/2		1/2		1/2		1/2	4,957.41	1/2	4,628.53	1/2	4,278.88	1/2	3,913.11	1/2	3,546.27	1/2	3,178.90
3/4		3/4		3/4		3/4		3/4	4,950.31	3/4	4,621.46	3/4	4,271.38	3/4	3,905.47	3/4	3,538.62	3/4	3,171.24

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 29088"

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 316

GAUGE HEIGHT 17'-09"

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	2,796.08	0	2,428.51	0	2,060.94	0	1,693.36	0	1,325.79	0	959.30	0	592.85	0	243.55	0		0	
1/4	2,788.43	1/4	2,420.85	1/4	2,053.28	1/4	1,685.70	1/4	1,318.13	1/4	951.70	1/4	585.20	1/4	236.85	1/4		1/4	
1/2	2,780.77	1/2	2,413.19	1/2	2,045.62	1/2	1,678.05	1/2	1,310.47	1/2	944.09	1/2	577.54	1/2	230.15	1/2		1/2	
3/4	2,773.11	3/4	2,405.54	3/4	2,037.96	3/4	1,670.39	3/4	1,302.81	3/4	936.48	3/4	569.88	3/4	223.44	3/4		3/4	
1	2,765.45	1	2,397.88	1	2,030.30	1	1,662.73	1	1,295.16	1	928.88	1	562.22	1	216.74	1		1	
1/4	2,757.80	1/4	2,390.22	1/4	2,022.65	1/4	1,655.07	1/4	1,287.50	1/4	921.27	1/4	554.58	1/4	210.13	1/4		1/4	
1/2	2,750.14	1/2	2,382.56	1/2	2,014.99	1/2	1,647.41	1/2	1,279.84	1/2	913.66	1/2	546.93	1/2	203.51	1/2		1/2	
3/4	2,742.48	3/4	2,374.91	3/4	2,007.33	3/4	1,639.76	3/4	1,272.18	3/4	906.06	3/4	539.28	3/4	196.90	3/4		3/4	
2	2,734.82	2	2,367.25	2	1,999.67	2	1,632.10	2	1,264.52	2	898.45	2	531.64	2	190.29	2		2	
1/4	2,727.16	1/4	2,359.59	1/4	1,992.02	1/4	1,624.44	1/4	1,256.87	1/4	890.84	1/4	524.04	1/4	183.77	1/4		1/4	
1/2	2,719.51	1/2	2,351.93	1/2	1,984.36	1/2	1,616.78	1/2	1,249.21	1/2	883.24	1/2	516.44	1/2	177.24	1/2		1/2	
3/4	2,711.85	3/4	2,344.27	3/4	1,976.70	3/4	1,609.13	3/4	1,241.55	3/4	875.63	3/4	508.84	3/4	170.72	3/4		3/4	
3	2,704.19	3	2,336.62	3	1,969.04	3	1,601.47	3	1,233.89	3	868.02	3	501.23	3	164.20	3		3	
1/4	2,696.53	1/4	2,328.96	1/4	1,961.38	1/4	1,593.81	1/4	1,226.24	1/4	860.42	1/4	493.71	1/4	157.77	1/4		1/4	
1/2	2,688.87	1/2	2,321.30	1/2	1,953.73	1/2	1,586.15	1/2	1,218.58	1/2	852.81	1/2	486.19	1/2	151.35	1/2		1/2	
3/4	2,681.22	3/4	2,313.64	3/4	1,946.07	3/4	1,578.49	3/4	1,210.92	3/4	845.20	3/4	478.67	3/4	144.92	3/4		3/4	
4	2,673.56	4	2,305.98	4	1,938.41	4	1,570.84	4	1,203.26	4	837.59	4	471.15	4	138.49	4		4	
1/4	2,665.90	1/4	2,298.33	1/4	1,930.75	1/4	1,563.18	1/4	1,195.60	1/4	829.99	1/4	463.72	1/4	132.16	1/4		1/4	
1/2	2,658.24	1/2	2,290.67	1/2	1,923.09	1/2	1,555.52	1/2	1,187.95	1/2	822.38	1/2	456.29	1/2	125.83	1/2		1/2	
3/4	2,650.59	3/4	2,283.01	3/4	1,915.44	3/4	1,547.86	3/4	1,180.29	3/4	814.77	3/4	448.86	3/4	119.50	3/4		3/4	
5	2,642.93	5	2,275.35	5	1,907.78	5	1,540.20	5	1,172.63	5	807.17	5	441.43	5	113.17	5		5	
1/4	2,635.27	1/4	2,267.70	1/4	1,900.12	1/4	1,532.55	1/4	1,164.99	1/4	799.53	1/4	434.09	1/4	106.94	1/4		1/4	
1/2	2,627.61	1/2	2,260.04	1/2	1,892.46	1/2	1,524.89	1/2	1,157.34	1/2	791.90	1/2	426.75	1/2	100.70	1/2		1/2	
3/4	2,619.95	3/4	2,252.38	3/4	1,884.81	3/4	1,517.23	3/4	1,149.70	3/4	784.27	3/4	419.41	3/4	94.47	3/4		3/4	
6	2,612.30	6	2,244.72	6	1,877.15	6	1,509.57	6	1,142.06	6	776.64	6	412.07	6	88.24	6		6	
1/4	2,604.64	1/4	2,237.06	1/4	1,869.49	1/4	1,501.92	1/4	1,134.43	1/4	768.98	1/4	404.82	1/4	82.12	1/4		1/4	
1/2	2,596.98	1/2	2,229.41	1/2	1,861.83	1/2	1,494.26	1/2	1,126.80	1/2	761.32	1/2	397.57	1/2	76.00	1/2		1/2	
3/4	2,589.32	3/4	2,221.75	3/4	1,854.17	3/4	1,486.60	3/4	1,119.17	3/4	753.66	3/4	390.32	3/4	69.87	3/4		3/4	
7	2,581.67	7	2,214.09	7	1,846.52	7	1,478.94	7	1,111.55	7	746.01	7	383.07	7	63.75	7		7	
1/4	2,574.01	1/4	2,206.43	1/4	1,838.86	1/4	1,471.28	1/4	1,103.92	1/4	738.35	1/4	375.92	1/4	58.19	1/4		1/4	
1/2	2,566.35	1/2	2,198.78	1/2	1,831.20	1/2	1,463.63	1/2	1,096.30	1/2	730.69	1/2	368.76	1/2	52.63	1/2		1/2	
3/4	2,558.69	3/4	2,191.12	3/4	1,823.54	3/4	1,455.97	3/4	1,088.68	3/4	723.03	3/4	361.60	3/4	47.08	3/4		3/4	
8	2,551.03	8	2,183.46	8	1,815.89	8	1,448.31	8	1,081.06	8	715.38	8	354.44	8	41.52	8		8	
1/4	2,543.38	1/4	2,175.80	1/4	1,808.23	1/4	1,440.65	1/4	1,073.45	1/4	707.72	1/4	347.38	1/4	37.02	1/4		1/4	
1/2	2,535.72	1/2	2,168.14	1/2	1,800.57	1/2	1,433.00	1/2	1,065.83	1/2	700.06	1/2	340.31	1/2	32.53	1/2		1/2	
3/4	2,528.06	3/4	2,160.49	3/4	1,792.91	3/4	1,425.34	3/4	1,058.22	3/4	692.40	3/4	333.24	3/4	28.03	3/4		3/4	
9	2,520.40	9	2,152.83	9	1,785.25	9	1,417.68	9	1,050.60	9	684.75	9	326.18	9	23.53	9		9	
1/4	2,512.75	1/4	2,145.17	1/4	1,777.60	1/4	1,410.02	1/4	1,042.99	1/4	677.09	1/4	319.20	1/4		1/4		1/4	
1/2	2,505.09	1/2	2,137.51	1/2	1,769.94	1/2	1,402.36	1/2	1,035.38	1/2	669.43	1/2	312.22	1/2		1/2		1/2	
3/4	2,497.43	3/4	2,129.86	3/4	1,762.28	3/4	1,394.71	3/4	1,027.77	3/4	661.77	3/4	305.25	3/4		3/4		3/4	
10	2,489.77	10	2,122.20	10	1,754.62	10	1,387.05	10	1,020.16	10	654.11	10	298.27	10		10		10	
1/4	2,482.11	1/4	2,114.54	1/4	1,746.97	1/4	1,379.39	1/4	1,012.55	1/4	646.46	1/4	291.39	1/4		1/4		1/4	
1/2	2,474.46	1/2	2,106.88	1/2	1,739.31	1/2	1,371.73	1/2	1,004.95	1/2	638.80	1/2	284.50	1/2		1/2		1/2	
3/4	2,466.80	3/4	2,099.22	3/4	1,731.65	3/4	1,364.08	3/4	997.34	3/4	631.14	3/4	277.62	3/4		3/4		3/4	
11	2,459.14	11	2,091.57	11	1,723.99	11	1,356.42	11	989.73	11	623.48	11	270.73	11		11		11	
1/4	2,451.48	1/4	2,083.91	1/4	1,716.33	1/4	1,348.76	1/4	982.13	1/4	615.83	1/4	263.94	1/4		1/4		1/4	
1/2	2,443.83	1/2	2,076.25	1/2	1,708.68	1/2	1,341.10	1/2	974.52	1/2	608.17	1/2	257.14	1/2		1/2		1/2	
3/4	2,436.17	3/4	2,068.59	3/4	1,701.02	3/4	1,333.44	3/4	966.91	3/4	600.51	3/4	250.35	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/12/2013 CL
RECALCULATED: 10/25/2023 CL
VERIFIED: 10/25/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29088"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 316

GAUGE HEIGHT 17'-09 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,958.51	0	4,629.74	0	4,280.71	0	3,915.26	0	3,548.61	0	3,181.96
1/4		1/4		1/4		1/4		1/4	4,951.41	1/4	4,622.68	1/4	4,273.21	1/4	3,907.62	1/4	3,540.97	1/4	3,174.32
1/2		1/2		1/2		1/2		1/2	4,944.31	1/2	4,615.61	1/2	4,265.70	1/2	3,899.98	1/2	3,533.33	1/2	3,166.69
3/4		3/4		3/4		3/4		3/4	4,937.20	3/4	4,608.55	3/4	4,258.20	3/4	3,892.34	3/4	3,525.70	3/4	3,159.05
1		1		1		1		1	4,930.56	1	4,601.45	1	4,250.66	1	3,884.70	1	3,518.06	1	3,151.41
1/4		1/4		1/4		1/4		1/4	4,923.92	1/4	4,594.35	1/4	4,243.12	1/4	3,877.07	1/4	3,510.42	1/4	3,143.77
1/2		1/2		1/2		1/2		1/2	4,917.28	1/2	4,587.25	1/2	4,235.57	1/2	3,869.43	1/2	3,502.78	1/2	3,136.13
3/4		3/4		3/4		3/4		3/4	4,910.64	3/4	4,580.15	3/4	4,228.03	3/4	3,861.79	3/4	3,495.14	3/4	3,128.49
2		2		2		2		2	4,903.96	2	4,573.02	2	4,220.46	2	3,854.15	2	3,487.50	2	3,120.85
1/4		1/4		1/4		1/4		1/4	4,897.29	1/4	4,565.89	1/4	4,212.88	1/4	3,846.51	1/4	3,479.86	1/4	3,113.22
1/2		1/2		1/2		1/2		1/2	4,890.62	1/2	4,558.76	1/2	4,205.31	1/2	3,838.87	1/2	3,472.23	1/2	3,105.58
3/4		3/4		3/4		3/4		3/4	4,883.94	3/4	4,551.62	3/4	4,197.73	3/4	3,831.24	3/4	3,464.59	3/4	3,097.94
3		3		3		3		3	4,877.23	3	4,544.46	3	4,190.12	3	3,823.60	3	3,456.95	3	3,090.30
1/4		1/4		1/4		1/4		1/4	4,870.52	1/4	4,537.29	1/4	4,182.51	1/4	3,815.96	1/4	3,449.31	1/4	3,082.66
1/2		1/2		1/2		1/2		1/2	4,863.81	1/2	4,530.13	1/2	4,174.90	1/2	3,808.32	1/2	3,441.67	1/2	3,075.02
3/4		3/4		3/4		3/4		3/4	4,857.10	3/4	4,522.96	3/4	4,167.29	3/4	3,800.68	3/4	3,434.03	3/4	3,067.39
4		4		4		4		4	4,850.36	4	4,515.76	4	4,159.66	4	3,793.04	4	3,426.39	4	3,059.75
1/4		1/4		1/4		1/4		1/4	4,843.61	1/4	4,508.56	1/4	4,152.03	1/4	3,785.40	1/4	3,418.76	1/4	3,052.11
1/2		1/2		1/2		1/2		1/2	4,836.86	1/2	4,501.36	1/2	4,144.40	1/2	3,777.77	1/2	3,411.12	1/2	3,044.47
3/4		3/4		3/4		3/4		3/4	4,830.11	3/4	4,494.16	3/4	4,136.78	3/4	3,770.13	3/4	3,403.48	3/4	3,036.83
5		5		5		5		5	4,823.33	5	4,486.93	5	4,129.14	5	3,762.49	5	3,395.84	5	3,029.19
1/4		1/4		1/4		1/4		1/4	4,816.55	1/4	4,479.69	1/4	4,121.50	1/4	3,754.85	1/4	3,388.20	1/4	3,021.55
1/2		1/2		1/2		1/2		1/2	4,809.77	1/2	4,472.46	1/2	4,113.86	1/2	3,747.21	1/2	3,380.56	1/2	3,013.92
3/4		3/4		3/4		3/4		3/4	4,802.99	3/4	4,465.23	3/4	4,106.22	3/4	3,739.57	3/4	3,372.93	3/4	3,006.28
6		6		6		6		6	4,796.18	6	4,457.95	6	4,098.58	6	3,731.93	6	3,365.29	6	2,998.64
1/4		1/4		1/4		1/4		1/4	4,789.36	1/4	4,450.68	1/4	4,090.94	1/4	3,724.30	1/4	3,357.65	1/4	2,991.00
1/2		1/2		1/2		1/2		1/2	4,782.55	1/2	4,443.41	1/2	4,083.31	1/2	3,716.66	1/2	3,350.01	1/2	2,983.36
3/4		3/4		3/4		3/4		3/4	4,775.73	3/4	4,436.14	3/4	4,075.67	3/4	3,709.02	3/4	3,342.37	3/4	2,975.73
7		7		7		7		7	4,768.88	7	4,428.82	7	4,068.03	7	3,701.38	7	3,334.73	7	2,968.08
1/4		1/4		1/4		1/4	5,097.48	1/4	4,762.04	1/4	4,421.50	1/4	4,060.39	1/4	3,693.74	1/4	3,327.09	1/4	2,960.44
1/2		1/2		1/2		1/2	5,091.43	1/2	4,755.19	1/2	4,414.18	1/2	4,052.75	1/2	3,686.10	1/2	3,319.46	1/2	2,952.80
3/4		3/4		3/4		3/4	5,085.38	3/4	4,748.34	3/4	4,406.86	3/4	4,045.11	3/4	3,678.47	3/4	3,311.82	3/4	2,945.16
8		8		8		8	5,078.18	8	4,741.44	8	4,399.49	8	4,037.47	8	3,670.83	8	3,304.18	8	2,937.51
1/4		1/4		1/4		1/4	5,070.98	1/4	4,734.53	1/4	4,392.13	1/4	4,029.84	1/4	3,663.19	1/4	3,296.54	1/4	2,929.87
1/2		1/2		1/2		1/2	5,063.78	1/2	4,727.63	1/2	4,384.76	1/2	4,022.20	1/2	3,655.55	1/2	3,288.90	1/2	2,922.23
3/4		3/4		3/4		3/4	5,056.59	3/4	4,720.73	3/4	4,377.40	3/4	4,014.56	3/4	3,647.91	3/4	3,281.26	3/4	2,914.59
9		9		9		9	5,049.01	9	4,713.78	9	4,370.00	9	4,006.92	9	3,640.27	9	3,273.62	9	2,906.94
1/4		1/4		1/4		1/4	5,041.42	1/4	4,706.82	1/4	4,362.60	1/4	3,999.28	1/4	3,632.63	1/4	3,265.99	1/4	2,899.30
1/2		1/2		1/2		1/2	5,033.84	1/2	4,699.86	1/2	4,355.20	1/2	3,991.64	1/2	3,625.00	1/2	3,258.35	1/2	2,891.66
3/4		3/4		3/4		3/4	5,026.26	3/4	4,692.91	3/4	4,347.81	3/4	3,984.01	3/4	3,617.36	3/4	3,250.71	3/4	2,884.02
10		10		10		10	5,018.68	10	4,685.92	10	4,340.37	10	3,976.37	10	3,609.72	10	3,243.07	10	2,876.37
1/4		1/4		1/4		1/4	5,011.10	1/4	4,678.92	1/4	4,332.94	1/4	3,968.73	1/4	3,602.08	1/4	3,235.43	1/4	2,868.73
1/2		1/2		1/2		1/2	5,003.52	1/2	4,671.93	1/2	4,325.51	1/2	3,961.09	1/2	3,594.44	1/2	3,227.79	1/2	2,861.09
3/4		3/4		3/4		3/4	4,995.94	3/4	4,664.94	3/4	4,318.08	3/4	3,953.45	3/4	3,586.80	3/4	3,220.16	3/4	2,853.45
11		11		11		11	4,988.36	11	4,657.90	11	4,310.61	11	3,945.81	11	3,579.16	11	3,212.52	11	2,845.80
1/4		1/4		1/4		1/4	4,980.78	1/4	4,650.87	1/4	4,303.15	1/4	3,938.17	1/4	3,571.53	1/4	3,204.88	1/4	2,838.16
1/2		1/2		1/2		1/2	4,973.20	1/2	4,643.84	1/2	4,295.68	1/2	3,930.54	1/2	3,563.89	1/2	3,197.24	1/2	2,830.52
3/4		3/4		3/4		3/4	4,965.61	3/4	4,636.81	3/4	4,288.21	3/4	3,922.90	3/4	3,556.25	3/4	3,189.60	3/4	2,822.88

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "KIRBY 29088"

**2 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 316

GAUGE HEIGHT 17'-09 3/4"

Table with columns for depth (0 FT. to 9 FT.) and ullage height (0 to 3/4). Rows provide capacity values for various depths and gauge heights, ranging from 0 to 11 feet depth.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7. CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL. CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK. CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE. GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "KIRBY 29088"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY: CTCO 316

GAUGE HEIGHT 4'-11 1/4"

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	171	0	342	0	513	0	684	0		0		0		0		0	
1/4	4	1/4	174	1/4	345	1/4	516	1/4	687	1/4		1/4		1/4		1/4		1/4	
1/2	7	1/2	178	1/2	349	1/2	520	1/2	691	1/2		1/2		1/2		1/2		1/2	
3/4	11	3/4	182	3/4	352	3/4	523	3/4	694	3/4		3/4		3/4		3/4		3/4	
1	14	1	185	1	356	1	527	1	698	1		1		1		1		1	
1/4	18	1/4	189	1/4	360	1/4	531	1/4	701	1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	192	1/2	363	1/2	534	1/2	705	1/2		1/2		1/2		1/2		1/2	
3/4	25	3/4	196	3/4	367	3/4	538	3/4	709	3/4		3/4		3/4		3/4		3/4	
2	28	2	199	2	370	2	541	2	712	2		2		2		2		2	
1/4	32	1/4	203	1/4	374	1/4	545	1/4	716	1/4		1/4		1/4		1/4		1/4	
1/2	36	1/2	207	1/2	377	1/2	548	1/2	719	1/2		1/2		1/2		1/2		1/2	
3/4	39	3/4	210	3/4	381	3/4	552	3/4	723	3/4		3/4		3/4		3/4		3/4	
3	43	3	214	3	385	3	555	3	726	3		3		3		3		3	
1/4	46	1/4	217	1/4	388	1/4	559	1/4	730	1/4		1/4		1/4		1/4		1/4	
1/2	50	1/2	221	1/2	392	1/2	563	1/2	733	1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	224	3/4	395	3/4	566	3/4	737	3/4		3/4		3/4		3/4		3/4	
4	57	4	228	4	399	4	570	4	741	4		4		4		4		4	
1/4	61	1/4	231	1/4	402	1/4	573	1/4	744	1/4		1/4		1/4		1/4		1/4	
1/2	64	1/2	235	1/2	406	1/2	577	1/2	748	1/2		1/2		1/2		1/2		1/2	
3/4	68	3/4	239	3/4	409	3/4	580	3/4	751	3/4		3/4		3/4		3/4		3/4	
5	71	5	242	5	413	5	584	5	755	5		5		5		5		5	
1/4	75	1/4	246	1/4	417	1/4	587	1/4	758	1/4		1/4		1/4		1/4		1/4	
1/2	78	1/2	249	1/2	420	1/2	591	1/2	762	1/2		1/2		1/2		1/2		1/2	
3/4	82	3/4	253	3/4	424	3/4	595	3/4	766	3/4		3/4		3/4		3/4		3/4	
6	85	6	256	6	427	6	598	6	769	6		6		6		6		6	
1/4	89	1/4	260	1/4	431	1/4	602	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	93	1/2	263	1/2	434	1/2	605	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	96	3/4	267	3/4	438	3/4	609	3/4		3/4		3/4		3/4		3/4		3/4	
7	100	7	271	7	442	7	612	7		7		7		7		7		7	
1/4	103	1/4	274	1/4	445	1/4	616	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107	1/2	278	1/2	449	1/2	620	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110	3/4	281	3/4	452	3/4	623	3/4		3/4		3/4		3/4		3/4		3/4	
8	114	8	285	8	456	8	627	8		8		8		8		8		8	
1/4	117	1/4	288	1/4	459	1/4	630	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121	1/2	292	1/2	463	1/2	634	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	125	3/4	296	3/4	466	3/4	637	3/4		3/4		3/4		3/4		3/4		3/4	
9	128	9	299	9	470	9	641	9		9		9		9		9		9	
1/4	132	1/4	303	1/4	474	1/4	644	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	135	1/2	306	1/2	477	1/2	648	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	139	3/4	310	3/4	481	3/4	652	3/4		3/4		3/4		3/4		3/4		3/4	
10	142	10	313	10	484	10	655	10		10		10		10		10		10	
1/4	146	1/4	317	1/4	488	1/4	659	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	150	1/2	320	1/2	491	1/2	662	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153	3/4	324	3/4	495	3/4	666	3/4		3/4		3/4		3/4		3/4		3/4	
11	157	11	328	11	498	11	669	11		11		11		11		11		11	
1/4	160	1/4	331	1/4	502	1/4	673	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164	1/2	335	1/2	506	1/2	676	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167	3/4	338	3/4	509	3/4	680	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT MANWAY.

STRAPPED: 09/12/2013 CL
CALCULATED: 09/12/2013 CL
VERIFIED: 10/25/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29088"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY: CTCO 316

GAUGE HEIGHT 4'-11 1/4"

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	1,079	0	2,158	0	3,210	0	4,199	0		0	6 FT.	0	7 FT.	0	8 FT.	0	9 FT.
1/4	22	1/4	1,101	1/4	2,180	1/4	3,232	1/4	4,218	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	45	1/2	1,124	1/2	2,203	1/2	3,253	1/2	4,238	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	67	3/4	1,146	3/4	2,225	3/4	3,274	3/4	4,258	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
1	90	1	1,169	1	2,248	1	3,295	1	4,278	1		1	6 FT.	1	7 FT.	1	8 FT.	1	9 FT.
1/4	112	1/4	1,191	1/4	2,270	1/4	3,316	1/4	4,298	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	135	1/2	1,214	1/2	2,293	1/2	3,337	1/2	4,318	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	157	3/4	1,236	3/4	2,315	3/4	3,358	3/4	4,337	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
2	180	2	1,259	2	2,337	2	3,379	2	4,357	2		2	6 FT.	2	7 FT.	2	8 FT.	2	9 FT.
1/4	202	1/4	1,281	1/4	2,360	1/4	3,400	1/4	4,377	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	225	1/2	1,304	1/2	2,382	1/2	3,421	1/2	4,396	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	247	3/4	1,326	3/4	2,404	3/4	3,442	3/4	4,416	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
3	270	3	1,349	3	2,427	3	3,463	3	4,436	3		3	6 FT.	3	7 FT.	3	8 FT.	3	9 FT.
1/4	292	1/4	1,371	1/4	2,449	1/4	3,484	1/4	4,455	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	315	1/2	1,394	1/2	2,471	1/2	3,505	1/2	4,475	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	337	3/4	1,416	3/4	2,493	3/4	3,526	3/4	4,494	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
4	360	4	1,439	4	2,516	4	3,547	4	4,514	4		4	6 FT.	4	7 FT.	4	8 FT.	4	9 FT.
1/4	382	1/4	1,461	1/4	2,538	1/4	3,568	1/4	4,533	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	405	1/2	1,484	1/2	2,560	1/2	3,588	1/2	4,552	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	427	3/4	1,506	3/4	2,582	3/4	3,609	3/4	4,572	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
5	450	5	1,528	5	2,604	5	3,630	5	4,591	5		5	6 FT.	5	7 FT.	5	8 FT.	5	9 FT.
1/4	472	1/4	1,551	1/4	2,626	1/4	3,651	1/4	4,602	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	495	1/2	1,573	1/2	2,648	1/2	3,671	1/2	4,614	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	517	3/4	1,596	3/4	2,670	3/4	3,692	3/4	4,625	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
6	539	6	1,618	6	2,692	6	3,712	6	4,636	6		6	6 FT.	6	7 FT.	6	8 FT.	6	9 FT.
1/4	562	1/4	1,641	1/4	2,714	1/4	3,733	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	584	1/2	1,663	1/2	2,736	1/2	3,754	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	607	3/4	1,686	3/4	2,758	3/4	3,774	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
7	629	7	1,708	7	2,780	7	3,795	7		7		7	6 FT.	7	7 FT.	7	8 FT.	7	9 FT.
1/4	652	1/4	1,731	1/4	2,801	1/4	3,815	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	674	1/2	1,753	1/2	2,823	1/2	3,835	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	697	3/4	1,776	3/4	2,845	3/4	3,856	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
8	719	8	1,798	8	2,867	8	3,876	8		8		8	6 FT.	8	7 FT.	8	8 FT.	8	9 FT.
1/4	742	1/4	1,821	1/4	2,888	1/4	3,897	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	764	1/2	1,843	1/2	2,910	1/2	3,917	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	787	3/4	1,866	3/4	2,932	3/4	3,937	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
9	809	9	1,888	9	2,953	9	3,958	9		9		9	6 FT.	9	7 FT.	9	8 FT.	9	9 FT.
1/4	832	1/4	1,911	1/4	2,975	1/4	3,978	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	854	1/2	1,933	1/2	2,996	1/2	3,998	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	877	3/4	1,956	3/4	3,018	3/4	4,018	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
10	899	10	1,978	10	3,039	10	4,038	10		10		10	6 FT.	10	7 FT.	10	8 FT.	10	9 FT.
1/4	922	1/4	2,000	1/4	3,061	1/4	4,058	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	944	1/2	2,023	1/2	3,082	1/2	4,078	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	967	3/4	2,045	3/4	3,104	3/4	4,099	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
11	989	11	2,068	11	3,125	11	4,119	11		11		11	6 FT.	11	7 FT.	11	8 FT.	11	9 FT.
1/4	1,011	1/4	2,090	1/4	3,146	1/4	4,139	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	1,034	1/2	2,113	1/2	3,168	1/2	4,159	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	1,056	3/4	2,135	3/4	3,189	3/4	4,179	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT MANWAY.

STRAPPED: 09/12/2013 CL
CALCULATED: 09/12/2013 CL
VERIFIED: 10/25/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "KIRBY 29088"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY: CTCO 316

GAUGE HEIGHT 4'-11 1/4"

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	1,079	0	2,158	0	3,210	0	4,199	0		0		0		0		0	
1/4	22	1/4	1,101	1/4	2,180	1/4	3,232	1/4	4,218	1/4		1/4		1/4		1/4		1/4	
1/2	45	1/2	1,124	1/2	2,203	1/2	3,253	1/2	4,238	1/2		1/2		1/2		1/2		1/2	
3/4	67	3/4	1,146	3/4	2,225	3/4	3,274	3/4	4,258	3/4		3/4		3/4		3/4		3/4	
1	90	1	1,169	1	2,248	1	3,295	1	4,278	1		1		1		1		1	
1/4	112	1/4	1,191	1/4	2,270	1/4	3,316	1/4	4,298	1/4		1/4		1/4		1/4		1/4	
1/2	135	1/2	1,214	1/2	2,293	1/2	3,337	1/2	4,318	1/2		1/2		1/2		1/2		1/2	
3/4	157	3/4	1,236	3/4	2,315	3/4	3,358	3/4	4,337	3/4		3/4		3/4		3/4		3/4	
2	180	2	1,259	2	2,337	2	3,379	2	4,357	2		2		2		2		2	
1/4	202	1/4	1,281	1/4	2,360	1/4	3,400	1/4	4,377	1/4		1/4		1/4		1/4		1/4	
1/2	225	1/2	1,304	1/2	2,382	1/2	3,421	1/2	4,396	1/2		1/2		1/2		1/2		1/2	
3/4	247	3/4	1,326	3/4	2,404	3/4	3,442	3/4	4,416	3/4		3/4		3/4		3/4		3/4	
3	270	3	1,349	3	2,427	3	3,463	3	4,436	3		3		3		3		3	
1/4	292	1/4	1,371	1/4	2,449	1/4	3,484	1/4	4,455	1/4		1/4		1/4		1/4		1/4	
1/2	315	1/2	1,394	1/2	2,471	1/2	3,505	1/2	4,475	1/2		1/2		1/2		1/2		1/2	
3/4	337	3/4	1,416	3/4	2,493	3/4	3,526	3/4	4,494	3/4		3/4		3/4		3/4		3/4	
4	360	4	1,439	4	2,516	4	3,547	4	4,514	4		4		4		4		4	
1/4	382	1/4	1,461	1/4	2,538	1/4	3,568	1/4	4,533	1/4		1/4		1/4		1/4		1/4	
1/2	405	1/2	1,484	1/2	2,560	1/2	3,588	1/2	4,552	1/2		1/2		1/2		1/2		1/2	
3/4	427	3/4	1,506	3/4	2,582	3/4	3,609	3/4	4,572	3/4		3/4		3/4		3/4		3/4	
5	450	5	1,528	5	2,604	5	3,630	5	4,591	5		5		5		5		5	
1/4	472	1/4	1,551	1/4	2,626	1/4	3,651	1/4	4,602	1/4		1/4		1/4		1/4		1/4	
1/2	495	1/2	1,573	1/2	2,648	1/2	3,671	1/2	4,614	1/2		1/2		1/2		1/2		1/2	
3/4	517	3/4	1,596	3/4	2,670	3/4	3,692	3/4	4,625	3/4		3/4		3/4		3/4		3/4	
6	539	6	1,618	6	2,692	6	3,712	6	4,636	6		6		6		6		6	
1/4	562	1/4	1,641	1/4	2,714	1/4	3,733	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	584	1/2	1,663	1/2	2,736	1/2	3,754	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	607	3/4	1,686	3/4	2,758	3/4	3,774	3/4		3/4		3/4		3/4		3/4		3/4	
7	629	7	1,708	7	2,780	7	3,795	7		7		7		7		7		7	
1/4	652	1/4	1,731	1/4	2,801	1/4	3,815	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	674	1/2	1,753	1/2	2,823	1/2	3,835	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	697	3/4	1,776	3/4	2,845	3/4	3,856	3/4		3/4		3/4		3/4		3/4		3/4	
8	719	8	1,798	8	2,867	8	3,876	8		8		8		8		8		8	
1/4	742	1/4	1,821	1/4	2,888	1/4	3,897	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	764	1/2	1,843	1/2	2,910	1/2	3,917	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	787	3/4	1,866	3/4	2,932	3/4	3,937	3/4		3/4		3/4		3/4		3/4		3/4	
9	809	9	1,888	9	2,953	9	3,958	9		9		9		9		9		9	
1/4	832	1/4	1,911	1/4	2,975	1/4	3,978	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	854	1/2	1,933	1/2	2,996	1/2	3,998	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	877	3/4	1,956	3/4	3,018	3/4	4,018	3/4		3/4		3/4		3/4		3/4		3/4	
10	899	10	1,978	10	3,039	10	4,038	10		10		10		10		10		10	
1/4	922	1/4	2,000	1/4	3,061	1/4	4,058	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	944	1/2	2,023	1/2	3,082	1/2	4,078	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	967	3/4	2,045	3/4	3,104	3/4	4,099	3/4		3/4		3/4		3/4		3/4		3/4	
11	989	11	2,068	11	3,125	11	4,119	11		11		11		11		11		11	
1/4	1,011	1/4	2,090	1/4	3,146	1/4	4,139	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,034	1/2	2,113	1/2	3,168	1/2	4,159	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,056	3/4	2,135	3/4	3,189	3/4	4,179	3/4		3/4		3/4		3/4		3/4		3/4	

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