



BARGE "KIRBY 29074"

ULLAGE TRIM TABLE

FORMERLY "HBC 307"

	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	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
1 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
3 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-6/8	- 01-6/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-3/8	- 03-3/8
3 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-3/8	- 03-3/8

(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 PORT IS 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 253'-09"

August 23, 2023

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29074"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 307"

GAUGE HEIGHT 17'-02 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	5,125.82	0	4,790.93	0	4,436.65	0	4,073.90	0	3,711.14	0	3,348.39	0	2,985.64
1/4		1/4		1/4		1/4	5,119.06	1/4	4,783.75	1/4	4,429.09	1/4	4,066.34	1/4	3,703.59	1/4	3,340.84	1/4	2,978.09
1/2		1/2		1/2		1/2	5,112.31	1/2	4,776.56	1/2	4,421.53	1/2	4,058.78	1/2	3,696.03	1/2	3,333.28	1/2	2,970.53
3/4		3/4		3/4		3/4	5,105.55	3/4	4,769.38	3/4	4,413.97	3/4	4,051.22	3/4	3,688.47	3/4	3,325.72	3/4	2,962.97
1		1		1		1	5,098.76	1	4,762.16	1	4,406.42	1	4,043.67	1	3,680.92	1	3,318.17	1	2,955.41
1/4		1/4		1/4		1/4	5,091.98	1/4	4,754.95	1/4	4,398.86	1/4	4,036.11	1/4	3,673.36	1/4	3,310.61	1/4	2,947.86
1/2		1/2		1/2		1/2	5,085.19	1/2	4,747.73	1/2	4,391.30	1/2	4,028.55	1/2	3,665.80	1/2	3,303.05	1/2	2,940.30
3/4		3/4		3/4		3/4	5,078.40	3/4	4,740.52	3/4	4,383.74	3/4	4,020.99	3/4	3,658.24	3/4	3,295.49	3/4	2,932.74
2		2		2		2	5,071.59	2	4,733.24	2	4,376.19	2	4,013.44	2	3,650.69	2	3,287.94	2	2,925.19
1/4		1/4		1/4		1/4	5,064.77	1/4	4,725.97	1/4	4,368.63	1/4	4,005.88	1/4	3,643.13	1/4	3,280.38	1/4	2,917.63
1/2		1/2		1/2		1/2	5,057.95	1/2	4,718.70	1/2	4,361.07	1/2	3,998.32	1/2	3,635.57	1/2	3,272.82	1/2	2,910.07
3/4		3/4		3/4		3/4	5,051.13	3/4	4,711.42	3/4	4,353.52	3/4	3,990.76	3/4	3,628.01	3/4	3,265.26	3/4	2,902.51
3		3		3		3	5,044.29	3	4,704.12	3	4,345.96	3	3,983.21	3	3,620.46	3	3,257.71	3	2,894.96
1/4		1/4		1/4		1/4	5,037.44	1/4	4,696.82	1/4	4,338.40	1/4	3,975.65	1/4	3,612.90	1/4	3,250.15	1/4	2,887.40
1/2		1/2		1/2		1/2	5,030.59	1/2	4,689.51	1/2	4,330.84	1/2	3,968.09	1/2	3,605.34	1/2	3,242.59	1/2	2,879.84
3/4		3/4		3/4		3/4	5,023.75	3/4	4,682.21	3/4	4,323.29	3/4	3,960.54	3/4	3,597.79	3/4	3,235.03	3/4	2,872.28
4		4		4		4	5,016.80	4	4,674.88	4	4,315.73	4	3,952.98	4	3,590.23	4	3,227.48	4	2,864.73
1/4		1/4		1/4		1/4	5,009.85	1/4	4,667.54	1/4	4,308.17	1/4	3,945.42	1/4	3,582.67	1/4	3,219.92	1/4	2,857.17
1/2		1/2		1/2		1/2	5,002.90	1/2	4,660.21	1/2	4,300.61	1/2	3,937.86	1/2	3,575.11	1/2	3,212.36	1/2	2,849.61
3/4		3/4		3/4		3/4	4,995.95	3/4	4,652.88	3/4	4,293.06	3/4	3,930.31	3/4	3,567.56	3/4	3,204.81	3/4	2,842.06
5		5		5		5	4,988.98	5	4,645.51	5	4,285.50	5	3,922.75	5	3,560.00	5	3,197.25	5	2,834.50
1/4		1/4		1/4		1/4	4,982.00	1/4	4,638.15	1/4	4,277.94	1/4	3,915.19	1/4	3,552.44	1/4	3,189.69	1/4	2,826.94
1/2		1/2		1/2		1/2	4,975.02	1/2	4,630.79	1/2	4,270.38	1/2	3,907.63	1/2	3,544.88	1/2	3,182.13	1/2	2,819.38
3/4		3/4		3/4		3/4	4,968.04	3/4	4,623.42	3/4	4,262.83	3/4	3,900.08	3/4	3,537.33	3/4	3,174.58	3/4	2,811.83
6		6		6		6	4,961.04	6	4,616.03	6	4,255.27	6	3,892.52	6	3,529.77	6	3,167.02	6	2,804.27
1/4		1/4		1/4		1/4	4,954.03	1/4	4,608.64	1/4	4,247.71	1/4	3,884.96	1/4	3,522.21	1/4	3,159.46	1/4	2,796.71
1/2		1/2		1/2		1/2	4,947.03	1/2	4,601.24	1/2	4,240.16	1/2	3,877.41	1/2	3,514.65	1/2	3,151.90	1/2	2,789.15
3/4		3/4		3/4		3/4	5,249.85	3/4	4,940.02	3/4	4,593.85	3/4	4,232.60	3/4	3,869.85	3/4	3,507.10	3/4	3,144.35
7		7		7		7	5,245.51	7	4,932.98	7	4,586.43	7	4,225.04	7	3,862.29	7	3,499.54	7	3,136.79
1/4		1/4		1/4		1/4	5,241.18	1/4	4,925.95	1/4	4,579.01	1/4	4,217.48	1/4	3,854.73	1/4	3,491.98	1/4	3,129.23
1/2		1/2		1/2		1/2	5,236.84	1/2	4,918.91	1/2	4,571.58	1/2	4,209.93	1/2	3,847.18	1/2	3,484.43	1/2	3,121.68
3/4		3/4		3/4		3/4	5,232.50	3/4	4,911.88	3/4	4,564.16	3/4	4,202.37	3/4	3,839.62	3/4	3,476.87	3/4	3,114.12
8		8		8		8	5,226.93	8	4,904.81	8	4,556.71	8	4,194.81	8	3,832.06	8	3,469.31	8	3,106.56
1/4		1/4		1/4		1/4	5,221.37	1/4	4,897.75	1/4	4,549.25	1/4	4,187.25	1/4	3,824.50	1/4	3,461.75	1/4	3,099.00
1/2		1/2		1/2		1/2	5,215.80	1/2	4,890.68	1/2	4,541.80	1/2	4,179.70	1/2	3,816.95	1/2	3,454.20	1/2	3,091.45
3/4		3/4		3/4		3/4	5,210.23	3/4	4,883.62	3/4	4,534.35	3/4	4,172.14	3/4	3,809.39	3/4	3,446.64	3/4	3,083.89
9		9		9		9	5,204.19	9	4,876.52	9	4,526.87	9	4,164.58	9	3,801.83	9	3,439.08	9	3,076.33
1/4		1/4		1/4		1/4	5,198.16	1/4	4,869.43	1/4	4,519.38	1/4	4,157.03	1/4	3,794.27	1/4	3,431.52	1/4	3,068.77
1/2		1/2		1/2		1/2	5,192.12	1/2	4,862.33	1/2	4,511.90	1/2	4,149.47	1/2	3,786.72	1/2	3,423.97	1/2	3,061.22
3/4		3/4		3/4		3/4	5,186.09	3/4	4,855.24	3/4	4,504.42	3/4	4,141.91	3/4	3,779.16	3/4	3,416.41	3/4	3,053.66
10		10		10		10	5,179.43	10	4,848.11	10	4,496.91	10	4,134.35	10	3,771.60	10	3,408.85	10	3,046.10
1/4		1/4		1/4		1/4	5,172.76	1/4	4,840.99	1/4	4,489.39	1/4	4,126.80	1/4	3,764.05	1/4	3,401.30	1/4	3,038.54
1/2		1/2		1/2		1/2	5,166.10	1/2	4,833.86	1/2	4,481.88	1/2	4,119.24	1/2	3,756.49	1/2	3,393.74	1/2	3,030.99
3/4		3/4		3/4		3/4	5,159.44	3/4	4,826.74	3/4	4,474.37	3/4	4,111.68	3/4	3,748.93	3/4	3,386.18	3/4	3,023.43
11		11		11		11	5,152.72	11	4,819.58	11	4,466.83	11	4,104.12	11	3,741.37	11	3,378.62	11	3,015.87
1/4		1/4		1/4		1/4	5,146.01	1/4	4,812.43	1/4	4,459.29	1/4	4,096.57	1/4	3,733.82	1/4	3,371.07	1/4	3,008.32
1/2		1/2		1/2		1/2	5,139.29	1/2	4,805.27	1/2	4,451.74	1/2	4,089.01	1/2	3,726.26	1/2	3,363.51	1/2	3,000.76
3/4		3/4		3/4		3/4	5,132.57	3/4	4,798.12	3/4	4,444.20	3/4	4,081.45	3/4	3,718.70	3/4	3,355.95	3/4	2,993.20

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 10'-06" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 29074"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 307"

GAUGE HEIGHT 17'-02 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	2,622.89	0	2,260.01	0	1,897.13	0	1,534.25	0	1,171.48	0	808.98	0	446.11	0	84.07	0		0	
1/4	2,615.33	1/4	2,252.45	1/4	1,889.57	1/4	1,526.69	1/4	1,163.93	1/4	801.42	1/4	438.55	1/4	77.14	1/4		1/4	
1/2	2,607.77	1/2	2,244.89	1/2	1,882.01	1/2	1,519.13	1/2	1,156.38	1/2	793.86	1/2	430.99	1/2	70.21	1/2		1/2	
3/4	2,600.21	3/4	2,237.33	3/4	1,874.45	3/4	1,511.57	3/4	1,148.84	3/4	786.30	3/4	423.44	3/4	63.29	3/4		3/4	
1	2,592.65	1	2,229.77	1	1,866.89	1	1,504.01	1	1,141.29	1	778.74	1	415.88	1	57.62	1		1	
1/4	2,585.09	1/4	2,222.21	1/4	1,859.33	1/4	1,496.45	1/4	1,133.74	1/4	771.18	1/4	408.32	1/4	51.95	1/4		1/4	
1/2	2,577.53	1/2	2,214.65	1/2	1,851.77	1/2	1,488.89	1/2	1,126.19	1/2	763.62	1/2	400.76	1/2	46.28	1/2		1/2	
3/4	2,569.97	3/4	2,207.09	3/4	1,844.21	3/4	1,481.33	3/4	1,118.64	3/4	756.06	3/4	393.20	3/4	40.61	3/4		3/4	
2	2,562.41	2	2,199.53	2	1,836.65	2	1,473.77	2	1,111.10	2	748.50	2	385.64	2	36.20	2		2	
1/4	2,554.85	1/4	2,191.97	1/4	1,829.09	1/4	1,466.21	1/4	1,103.55	1/4	740.94	1/4	378.08	1/4	31.79	1/4		1/4	
1/2	2,547.29	1/2	2,184.41	1/2	1,821.53	1/2	1,458.65	1/2	1,096.00	1/2	733.38	1/2	370.52	1/2	27.38	1/2		1/2	
3/4	2,539.73	3/4	2,176.85	3/4	1,813.97	3/4	1,451.09	3/4	1,088.45	3/4	725.82	3/4	362.96	3/4	22.98	3/4		3/4	
3	2,532.17	3	2,169.29	3	1,806.41	3	1,443.53	3	1,080.90	3	718.26	3	355.40	3		3		3	
1/4	2,524.61	1/4	2,161.73	1/4	1,798.85	1/4	1,435.97	1/4	1,073.36	1/4	710.70	1/4	347.84	1/4		1/4		1/4	
1/2	2,517.05	1/2	2,154.17	1/2	1,791.29	1/2	1,428.41	1/2	1,065.81	1/2	703.14	1/2	340.28	1/2		1/2		1/2	
3/4	2,509.49	3/4	2,146.61	3/4	1,783.73	3/4	1,420.85	3/4	1,058.26	3/4	695.58	3/4	332.72	3/4		3/4		3/4	
4	2,501.93	4	2,139.05	4	1,776.17	4	1,413.29	4	1,050.71	4	688.02	4	325.16	4		4		4	
1/4	2,494.37	1/4	2,131.49	1/4	1,768.61	1/4	1,405.73	1/4	1,043.17	1/4	680.46	1/4	317.60	1/4		1/4		1/4	
1/2	2,486.81	1/2	2,123.93	1/2	1,761.05	1/2	1,398.17	1/2	1,035.62	1/2	672.91	1/2	310.04	1/2		1/2		1/2	
3/4	2,479.25	3/4	2,116.37	3/4	1,753.49	3/4	1,390.61	3/4	1,028.07	3/4	665.35	3/4	302.48	3/4		3/4		3/4	
5	2,471.69	5	2,108.81	5	1,745.93	5	1,383.05	5	1,020.52	5	657.79	5	294.92	5		5		5	
1/4	2,464.13	1/4	2,101.25	1/4	1,738.37	1/4	1,375.49	1/4	1,012.97	1/4	650.23	1/4	287.36	1/4		1/4		1/4	
1/2	2,456.57	1/2	2,093.69	1/2	1,730.81	1/2	1,367.93	1/2	1,005.43	1/2	642.67	1/2	279.80	1/2		1/2		1/2	
3/4	2,449.01	3/4	2,086.13	3/4	1,723.25	3/4	1,360.37	3/4	997.88	3/4	635.11	3/4	272.24	3/4		3/4		3/4	
6	2,441.45	6	2,078.57	6	1,715.69	6	1,352.81	6	990.33	6	627.55	6	264.68	6		6		6	
1/4	2,433.89	1/4	2,071.01	1/4	1,708.13	1/4	1,345.25	1/4	982.78	1/4	619.99	1/4	257.12	1/4		1/4		1/4	
1/2	2,426.33	1/2	2,063.45	1/2	1,700.57	1/2	1,337.69	1/2	975.23	1/2	612.43	1/2	249.56	1/2		1/2		1/2	
3/4	2,418.77	3/4	2,055.89	3/4	1,693.01	3/4	1,330.13	3/4	967.69	3/4	604.87	3/4	242.00	3/4		3/4		3/4	
7	2,411.21	7	2,048.33	7	1,685.45	7	1,322.57	7	960.14	7	597.31	7	234.44	7		7		7	
1/4	2,403.65	1/4	2,040.77	1/4	1,677.89	1/4	1,315.01	1/4	952.59	1/4	589.75	1/4	226.88	1/4		1/4		1/4	
1/2	2,396.09	1/2	2,033.21	1/2	1,670.33	1/2	1,307.45	1/2	945.04	1/2	582.19	1/2	219.32	1/2		1/2		1/2	
3/4	2,388.53	3/4	2,025.65	3/4	1,662.77	3/4	1,299.89	3/4	937.49	3/4	574.63	3/4	211.76	3/4		3/4		3/4	
8	2,380.97	8	2,018.09	8	1,655.21	8	1,292.33	8	929.94	8	567.07	8	204.20	8		8		8	
1/4	2,373.41	1/4	2,010.53	1/4	1,647.65	1/4	1,284.77	1/4	922.38	1/4	559.51	1/4	196.64	1/4		1/4		1/4	
1/2	2,365.85	1/2	2,002.97	1/2	1,640.09	1/2	1,277.21	1/2	914.82	1/2	551.95	1/2	189.08	1/2		1/2		1/2	
3/4	2,358.29	3/4	1,995.41	3/4	1,632.53	3/4	1,269.65	3/4	907.26	3/4	544.39	3/4	181.52	3/4		3/4		3/4	
9	2,350.73	9	1,987.85	9	1,624.97	9	1,262.09	9	899.70	9	536.83	9	173.97	9		9		9	
1/4	2,343.17	1/4	1,980.29	1/4	1,617.41	1/4	1,254.53	1/4	892.14	1/4	529.27	1/4	166.41	1/4		1/4		1/4	
1/2	2,335.61	1/2	1,972.73	1/2	1,609.85	1/2	1,246.97	1/2	884.58	1/2	521.71	1/2	158.85	1/2		1/2		1/2	
3/4	2,328.05	3/4	1,965.17	3/4	1,602.29	3/4	1,239.41	3/4	877.02	3/4	514.15	3/4	151.29	3/4		3/4		3/4	
10	2,320.49	10	1,957.61	10	1,594.73	10	1,231.86	10	869.46	10	506.59	10	143.74	10		10		10	
1/4	2,312.93	1/4	1,950.05	1/4	1,587.17	1/4	1,224.31	1/4	861.90	1/4	499.03	1/4	136.19	1/4		1/4		1/4	
1/2	2,305.37	1/2	1,942.49	1/2	1,579.61	1/2	1,216.77	1/2	854.34	1/2	491.47	1/2	128.64	1/2		1/2		1/2	
3/4	2,297.81	3/4	1,934.93	3/4	1,572.05	3/4	1,209.22	3/4	846.78	3/4	483.91	3/4	121.09	3/4		3/4		3/4	
11	2,290.25	11	1,927.37	11	1,564.49	11	1,201.67	11	839.22	11	476.35	11	113.57	11		11		11	
1/4	2,282.69	1/4	1,919.81	1/4	1,556.93	1/4	1,194.12	1/4	831.66	1/4	468.79	1/4	106.05	1/4		1/4		1/4	
1/2	2,275.13	1/2	1,912.25	1/2	1,549.37	1/2	1,186.58	1/2	824.10	1/2	461.23	1/2	98.52	1/2		1/2		1/2	
3/4	2,267.57	3/4	1,904.69	3/4	1,541.81	3/4	1,179.03	3/4	816.54	3/4	453.67	3/4	91.00	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2013 CL - SW
RECALCULATED: 08/23/2023 JS
VERIFIED: 08/17/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "KIRBY 29074"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 307"

GAUGE HEIGHT 17'-03 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	5,144.11	0	4,810.53	0	4,457.39	0	4,094.67	0	3,731.92	0	3,369.17	0	3,006.42
1/4		1/4		1/4		1/4	5,137.39	1/4	4,803.37	1/4	4,449.85	1/4	4,087.11	1/4	3,724.36	1/4	3,361.61	1/4	2,998.86
1/2		1/2		1/2		1/2	5,130.67	1/2	4,796.22	1/2	4,442.31	1/2	4,079.56	1/2	3,716.81	1/2	3,354.05	1/2	2,991.30
3/4		3/4		3/4		3/4	5,123.92	3/4	4,789.03	3/4	4,434.75	3/4	4,072.00	3/4	3,709.25	3/4	3,346.50	3/4	2,983.75
1		1		1		1	5,117.16	1	4,781.85	1	4,427.19	1	4,064.44	1	3,701.69	1	3,338.94	1	2,976.19
1/4		1/4		1/4		1/4	5,110.41	1/4	4,774.67	1/4	4,419.63	1/4	4,056.88	1/4	3,694.13	1/4	3,331.38	1/4	2,968.63
1/2		1/2		1/2		1/2	5,103.65	1/2	4,767.48	1/2	4,412.08	1/2	4,049.33	1/2	3,686.58	1/2	3,323.83	1/2	2,961.08
3/4		3/4		3/4		3/4	5,096.86	3/4	4,760.27	3/4	4,404.52	3/4	4,041.77	3/4	3,679.02	3/4	3,316.27	3/4	2,953.52
2		2		2		2	5,090.08	2	4,753.05	2	4,396.96	2	4,034.21	2	3,671.46	2	3,308.71	2	2,945.96
1/4		1/4		1/4		1/4	5,083.29	1/4	4,745.84	1/4	4,389.40	1/4	4,026.65	1/4	3,663.90	1/4	3,301.15	1/4	2,938.40
1/2		1/2		1/2		1/2	5,076.50	1/2	4,738.62	1/2	4,381.85	1/2	4,019.10	1/2	3,656.35	1/2	3,293.60	1/2	2,930.85
3/4		3/4		3/4		3/4	5,069.69	3/4	4,731.35	3/4	4,374.29	3/4	4,011.54	3/4	3,648.79	3/4	3,286.04	3/4	2,923.29
3		3		3		3	5,062.87	3	4,724.07	3	4,366.73	3	4,003.98	3	3,641.23	3	3,278.48	3	2,915.73
1/4		1/4		1/4		1/4	5,056.05	1/4	4,716.80	1/4	4,359.18	1/4	3,996.43	1/4	3,633.67	1/4	3,270.92	1/4	2,908.17
1/2		1/2		1/2		1/2	5,049.24	1/2	4,709.53	1/2	4,351.62	1/2	3,988.87	1/2	3,626.12	1/2	3,263.37	1/2	2,900.62
3/4		3/4		3/4		3/4	5,042.39	3/4	4,702.22	3/4	4,344.06	3/4	3,981.31	3/4	3,618.56	3/4	3,255.81	3/4	2,893.06
4		4		4		4	5,035.54	4	4,694.92	4	4,336.50	4	3,973.75	4	3,611.00	4	3,248.25	4	2,885.50
1/4		1/4		1/4		1/4	5,028.70	1/4	4,687.62	1/4	4,328.95	1/4	3,966.20	1/4	3,603.45	1/4	3,240.70	1/4	2,877.94
1/2		1/2		1/2		1/2	5,021.85	1/2	4,680.31	1/2	4,321.39	1/2	3,958.64	1/2	3,595.89	1/2	3,233.14	1/2	2,870.39
3/4		3/4		3/4		3/4	5,014.90	3/4	4,672.98	3/4	4,313.83	3/4	3,951.08	3/4	3,588.33	3/4	3,225.58	3/4	2,862.83
5		5		5		5	5,007.95	5	4,665.65	5	4,306.27	5	3,943.52	5	3,580.77	5	3,218.02	5	2,855.27
1/4		1/4		1/4		1/4	5,001.01	1/4	4,658.31	1/4	4,298.72	1/4	3,935.97	1/4	3,573.22	1/4	3,210.47	1/4	2,847.72
1/2		1/2		1/2		1/2	4,994.06	1/2	4,650.98	1/2	4,291.16	1/2	3,928.41	1/2	3,565.66	1/2	3,202.91	1/2	2,840.16
3/4		3/4		3/4		3/4	4,987.08	3/4	4,643.62	3/4	4,283.60	3/4	3,920.85	3/4	3,558.10	3/4	3,195.35	3/4	2,832.60
6		6		6		6	4,980.10	6	4,636.25	6	4,276.05	6	3,913.29	6	3,550.54	6	3,187.79	6	2,825.04
1/4		1/4		1/4		1/4	4,973.12	1/4	4,628.89	1/4	4,268.49	1/4	3,905.74	1/4	3,542.99	1/4	3,180.24	1/4	2,817.49
1/2		1/2		1/2		1/2	4,966.14	1/2	4,621.53	1/2	4,260.93	1/2	3,898.18	1/2	3,535.43	1/2	3,172.68	1/2	2,809.93
3/4		3/4		3/4		3/4	4,959.14	3/4	4,614.13	3/4	4,253.37	3/4	3,890.62	3/4	3,527.87	3/4	3,165.12	3/4	2,802.37
7		7		7		7	4,952.13	7	4,606.74	7	4,245.82	7	3,883.07	7	3,520.32	7	3,157.56	7	2,794.81
1/4		1/4		1/4		1/4	4,945.13	1/4	4,599.35	1/4	4,238.26	1/4	3,875.51	1/4	3,512.76	1/4	3,150.01	1/4	2,787.26
1/2		1/2		1/2		1/2	5,247.95	1/2	4,938.12	1/2	4,591.96	1/2	4,230.70	1/2	3,867.95	1/2	3,505.20	1/2	3,142.45
3/4		3/4		3/4		3/4	5,243.61	3/4	4,931.09	3/4	4,584.53	3/4	4,223.14	3/4	3,860.39	3/4	3,497.64	3/4	3,134.89
8		8		8		8	5,239.28	8	4,924.05	8	4,577.11	8	4,215.59	8	3,852.84	8	3,490.09	8	3,127.34
1/4		1/4		1/4		1/4	5,234.94	1/4	4,917.02	1/4	4,569.69	1/4	4,208.03	1/4	3,845.28	1/4	3,482.53	1/4	3,119.78
1/2		1/2		1/2		1/2	5,230.60	1/2	4,909.98	1/2	4,562.26	1/2	4,200.47	1/2	3,837.72	1/2	3,474.97	1/2	3,112.22
3/4		3/4		3/4		3/4	5,225.03	3/4	4,902.92	3/4	4,554.81	3/4	4,192.92	3/4	3,830.16	3/4	3,467.41	3/4	3,104.66
9		9		9		9	5,219.47	9	4,895.85	9	4,547.36	9	4,185.36	9	3,822.61	9	3,459.86	9	3,097.11
1/4		1/4		1/4		1/4	5,213.90	1/4	4,888.78	1/4	4,539.91	1/4	4,177.80	1/4	3,815.05	1/4	3,452.30	1/4	3,089.55
1/2		1/2		1/2		1/2	5,208.33	1/2	4,881.72	1/2	4,532.45	1/2	4,170.24	1/2	3,807.49	1/2	3,444.74	1/2	3,081.99
3/4		3/4		3/4		3/4	5,202.29	3/4	4,874.62	3/4	4,524.97	3/4	4,162.69	3/4	3,799.94	3/4	3,437.19	3/4	3,074.43
10		10		10		10	5,196.26	10	4,867.53	10	4,517.49	10	4,155.13	10	3,792.38	10	3,429.63	10	3,066.88
1/4		1/4		1/4		1/4	5,190.22	1/4	4,860.43	1/4	4,510.01	1/4	4,147.57	1/4	3,784.82	1/4	3,422.07	1/4	3,059.32
1/2		1/2		1/2		1/2	5,184.19	1/2	4,853.34	1/2	4,502.52	1/2	4,140.01	1/2	3,777.26	1/2	3,414.51	1/2	3,051.76
3/4		3/4		3/4		3/4	5,177.53	3/4	4,846.21	3/4	4,495.01	3/4	4,132.46	3/4	3,769.71	3/4	3,406.96	3/4	3,044.21
11		11		11		11	5,170.87	11	4,839.09	11	4,487.50	11	4,124.90	11	3,762.15	11	3,399.40	11	3,036.65
1/4		1/4		1/4		1/4	5,164.20	1/4	4,831.96	1/4	4,479.99	1/4	4,117.34	1/4	3,754.59	1/4	3,391.84	1/4	3,029.09
1/2		1/2		1/2		1/2	5,157.54	1/2	4,824.84	1/2	4,472.47	1/2	4,109.78	1/2	3,747.03	1/2	3,384.28	1/2	3,021.53
3/4		3/4		3/4		3/4	5,150.83	3/4	4,817.68	3/4	4,464.93	3/4	4,102.23	3/4	3,739.48	3/4	3,376.73	3/4	3,013.98

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 10'-06" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29074"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 307"

GAUGE HEIGHT 17'-03 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	2,643.67	0	2,280.79	0	1,917.91	0	1,555.03	0	1,192.62	0	831.66	0	468.80	0	106.05	0		0	
1/4	2,636.11	1/4	2,273.23	1/4	1,910.35	1/4	1,547.47	1/4	1,185.12	1/4	824.10	1/4	461.24	1/4	98.53	1/4		1/4	
1/2	2,628.55	1/2	2,265.67	1/2	1,902.79	1/2	1,539.91	1/2	1,177.61	1/2	816.54	1/2	453.68	1/2	91.00	1/2		1/2	
3/4	2,620.99	3/4	2,258.11	3/4	1,895.23	3/4	1,532.35	3/4	1,170.10	3/4	808.98	3/4	446.12	3/4	84.07	3/4		3/4	
1	2,613.43	1	2,250.55	1	1,887.67	1	1,524.79	1	1,162.59	1	801.42	1	438.56	1	77.15	1		1	
1/4	2,605.87	1/4	2,242.99	1/4	1,880.11	1/4	1,517.23	1/4	1,155.08	1/4	793.86	1/4	431.00	1/4	70.22	1/4		1/4	
1/2	2,598.31	1/2	2,235.43	1/2	1,872.55	1/2	1,509.67	1/2	1,147.57	1/2	786.30	1/2	423.44	1/2	63.29	1/2		1/2	
3/4	2,590.75	3/4	2,227.87	3/4	1,864.99	3/4	1,502.11	3/4	1,140.07	3/4	778.75	3/4	415.88	3/4	57.62	3/4		3/4	
2	2,583.19	2	2,220.31	2	1,857.43	2	1,494.55	2	1,132.56	2	771.19	2	408.32	2	51.95	2		2	
1/4	2,575.63	1/4	2,212.75	1/4	1,849.87	1/4	1,486.99	1/4	1,125.05	1/4	763.63	1/4	400.76	1/4	46.28	1/4		1/4	
1/2	2,568.07	1/2	2,205.19	1/2	1,842.31	1/2	1,479.43	1/2	1,117.54	1/2	756.07	1/2	393.20	1/2	40.61	1/2		1/2	
3/4	2,560.51	3/4	2,197.63	3/4	1,834.75	3/4	1,471.87	3/4	1,110.03	3/4	748.51	3/4	385.64	3/4	36.21	3/4		3/4	
3	2,552.95	3	2,190.07	3	1,827.19	3	1,464.31	3	1,102.53	3	740.95	3	378.08	3	31.80	3		3	
1/4	2,545.39	1/4	2,182.51	1/4	1,819.63	1/4	1,456.75	1/4	1,095.02	1/4	733.39	1/4	370.52	1/4	27.39	1/4		1/4	
1/2	2,537.83	1/2	2,174.95	1/2	1,812.07	1/2	1,449.19	1/2	1,087.51	1/2	725.83	1/2	362.96	1/2	22.98	1/2		1/2	
3/4	2,530.27	3/4	2,167.39	3/4	1,804.51	3/4	1,441.63	3/4	1,080.00	3/4	718.27	3/4	355.40	3/4		3/4		3/4	
4	2,522.71	4	2,159.83	4	1,796.95	4	1,434.07	4	1,072.49	4	710.71	4	347.84	4		4		4	
1/4	2,515.15	1/4	2,152.27	1/4	1,789.39	1/4	1,426.51	1/4	1,064.98	1/4	703.15	1/4	340.28	1/4		1/4		1/4	
1/2	2,507.59	1/2	2,144.71	1/2	1,781.83	1/2	1,418.95	1/2	1,057.48	1/2	695.59	1/2	332.72	1/2		1/2		1/2	
3/4	2,500.03	3/4	2,137.15	3/4	1,774.27	3/4	1,411.39	3/4	1,049.97	3/4	688.03	3/4	325.16	3/4		3/4		3/4	
5	2,492.47	5	2,129.59	5	1,766.71	5	1,403.83	5	1,042.46	5	680.47	5	317.60	5		5		5	
1/4	2,484.91	1/4	2,122.03	1/4	1,759.15	1/4	1,396.27	1/4	1,034.95	1/4	672.91	1/4	310.04	1/4		1/4		1/4	
1/2	2,477.35	1/2	2,114.47	1/2	1,751.59	1/2	1,388.71	1/2	1,027.44	1/2	665.35	1/2	302.48	1/2		1/2		1/2	
3/4	2,469.79	3/4	2,106.91	3/4	1,744.03	3/4	1,381.15	3/4	1,019.94	3/4	657.79	3/4	294.92	3/4		3/4		3/4	
6	2,462.23	6	2,099.35	6	1,736.47	6	1,373.59	6	1,012.43	6	650.23	6	287.36	6		6		6	
1/4	2,454.67	1/4	2,091.79	1/4	1,728.91	1/4	1,366.03	1/4	1,004.92	1/4	642.67	1/4	279.80	1/4		1/4		1/4	
1/2	2,447.11	1/2	2,084.23	1/2	1,721.35	1/2	1,358.47	1/2	997.41	1/2	635.11	1/2	272.25	1/2		1/2		1/2	
3/4	2,439.55	3/4	2,076.67	3/4	1,713.79	3/4	1,350.91	3/4	989.90	3/4	627.55	3/4	264.69	3/4		3/4		3/4	
7	2,431.99	7	2,069.11	7	1,706.23	7	1,343.35	7	982.39	7	619.99	7	257.13	7		7		7	
1/4	2,424.43	1/4	2,061.55	1/4	1,698.67	1/4	1,335.79	1/4	974.89	1/4	612.43	1/4	249.57	1/4		1/4		1/4	
1/2	2,416.87	1/2	2,053.99	1/2	1,691.11	1/2	1,328.23	1/2	967.38	1/2	604.87	1/2	242.01	1/2		1/2		1/2	
3/4	2,409.31	3/4	2,046.43	3/4	1,683.55	3/4	1,320.67	3/4	959.87	3/4	597.31	3/4	234.45	3/4		3/4		3/4	
8	2,401.75	8	2,038.87	8	1,675.99	8	1,313.11	8	952.36	8	589.75	8	226.89	8		8		8	
1/4	2,394.19	1/4	2,031.31	1/4	1,668.43	1/4	1,305.55	1/4	944.85	1/4	582.19	1/4	219.33	1/4		1/4		1/4	
1/2	2,386.63	1/2	2,023.75	1/2	1,660.87	1/2	1,297.99	1/2	937.34	1/2	574.63	1/2	211.77	1/2		1/2		1/2	
3/4	2,379.07	3/4	2,016.19	3/4	1,653.31	3/4	1,290.43	3/4	929.82	3/4	567.07	3/4	204.21	3/4		3/4		3/4	
9	2,371.51	9	2,008.63	9	1,645.75	9	1,282.87	9	922.30	9	559.51	9	196.65	9		9		9	
1/4	2,363.95	1/4	2,001.07	1/4	1,638.19	1/4	1,275.31	1/4	914.78	1/4	551.95	1/4	189.09	1/4		1/4		1/4	
1/2	2,356.39	1/2	1,993.51	1/2	1,630.63	1/2	1,267.75	1/2	907.26	1/2	544.39	1/2	181.53	1/2		1/2		1/2	
3/4	2,348.83	3/4	1,985.95	3/4	1,623.07	3/4	1,260.23	3/4	899.70	3/4	536.83	3/4	173.97	3/4		3/4		3/4	
10	2,341.27	10	1,978.39	10	1,615.51	10	1,252.71	10	892.14	10	529.28	10	166.41	10		10		10	
1/4	2,333.71	1/4	1,970.83	1/4	1,607.95	1/4	1,245.19	1/4	884.58	1/4	521.72	1/4	158.85	1/4		1/4		1/4	
1/2	2,326.15	1/2	1,963.27	1/2	1,600.39	1/2	1,237.67	1/2	877.02	1/2	514.16	1/2	151.29	1/2		1/2		1/2	
3/4	2,318.59	3/4	1,955.71	3/4	1,592.83	3/4	1,230.16	3/4	869.46	3/4	506.60	3/4	143.75	3/4		3/4		3/4	
11	2,311.03	11	1,948.15	11	1,585.27	11	1,222.66	11	861.90	11	499.04	11	136.20	11		11		11	
1/4	2,303.47	1/4	1,940.59	1/4	1,577.71	1/4	1,215.15	1/4	854.34	1/4	491.48	1/4	128.65	1/4		1/4		1/4	
1/2	2,295.91	1/2	1,933.03	1/2	1,570.15	1/2	1,207.64	1/2	846.78	1/2	483.92	1/2	121.10	1/2		1/2		1/2	
3/4	2,288.35	3/4	1,925.47	3/4	1,562.59	3/4	1,200.13	3/4	839.22	3/4	476.36	3/4	113.57	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2013 CL - SW
RECALCULATED: 08/23/2023 JS
VERIFIED: 08/17/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "KIRBY 29074"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 307"

GAUGE HEIGHT 17'-03"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,108.56	0	4,775.69	0	4,423.44	0	4,062.39	0	3,701.33	0	3,340.28	0	2,979.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,101.84	1/4	4,768.54	1/4	4,415.92	1/4	4,054.87	1/4	3,693.81	1/4	3,332.75	1/4	2,971.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,095.12	1/2	4,761.39	1/2	4,408.40	1/2	4,047.34	1/2	3,686.29	1/2	3,325.23	1/2	2,964.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,088.39	3/4	4,754.24	3/4	4,400.88	3/4	4,039.82	3/4	3,678.77	3/4	3,317.71	3/4	2,956.65
1		1		1		1	5,081.67	1	4,747.09	1	4,393.36	1	4,032.30	1	3,671.24	1	3,310.19	1	2,949.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,074.91	1/4	4,739.91	1/4	4,385.83	1/4	4,024.78	1/4	3,663.72	1/4	3,302.67	1/4	2,941.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,068.16	1/2	4,732.73	1/2	4,378.31	1/2	4,017.26	1/2	3,656.20	1/2	3,295.14	1/2	2,934.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,061.40	3/4	4,725.54	3/4	4,370.79	3/4	4,009.73	3/4	3,648.68	3/4	3,287.62	3/4	2,926.57
2		2		2		2	5,054.65	2	4,718.36	2	4,363.27	2	4,002.21	2	3,641.16	2	3,280.10	2	2,919.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,047.86	1/4	4,711.12	1/4	4,355.75	1/4	3,994.69	1/4	3,633.63	1/4	3,272.58	1/4	2,911.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,041.08	1/2	4,703.89	1/2	4,348.22	1/2	3,987.17	1/2	3,626.11	1/2	3,265.06	1/2	2,904.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,034.30	3/4	4,696.65	3/4	4,340.70	3/4	3,979.65	3/4	3,618.59	3/4	3,257.53	3/4	2,896.48
3		3		3		3	5,027.51	3	4,689.41	3	4,333.18	3	3,972.12	3	3,611.07	3	3,250.01	3	2,888.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,020.70	1/4	4,682.14	1/4	4,325.66	1/4	3,964.60	1/4	3,603.55	1/4	3,242.49	1/4	2,881.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,013.88	1/2	4,674.87	1/2	4,318.14	1/2	3,957.08	1/2	3,596.02	1/2	3,234.97	1/2	2,873.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,007.07	3/4	4,667.60	3/4	4,310.61	3/4	3,949.56	3/4	3,588.50	3/4	3,227.45	3/4	2,866.39
4		4		4		4	5,000.26	4	4,660.33	4	4,303.09	4	3,942.04	4	3,580.98	4	3,219.92	4	2,858.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,993.34	1/4	4,653.03	1/4	4,295.57	1/4	3,934.51	1/4	3,573.46	1/4	3,212.40	1/4	2,851.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,986.42	1/2	4,645.73	1/2	4,288.05	1/2	3,926.99	1/2	3,565.94	1/2	3,204.88	1/2	2,843.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,979.51	3/4	4,638.43	3/4	4,280.53	3/4	3,919.47	3/4	3,558.41	3/4	3,197.36	3/4	2,836.30
5		5		5		5	4,972.59	5	4,631.13	5	4,273.00	5	3,911.95	5	3,550.89	5	3,189.84	5	2,828.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,965.65	1/4	4,623.81	1/4	4,265.48	1/4	3,904.43	1/4	3,543.37	1/4	3,182.31	1/4	2,821.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,958.70	1/2	4,616.48	1/2	4,257.96	1/2	3,896.90	1/2	3,535.85	1/2	3,174.79	1/2	2,813.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,951.76	3/4	4,609.15	3/4	4,250.44	3/4	3,889.38	3/4	3,528.33	3/4	3,167.27	3/4	2,806.21
6		6		6		6	4,944.81	6	4,601.82	6	4,242.92	6	3,881.86	6	3,520.80	6	3,159.75	6	2,798.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,937.84	1/4	4,594.46	1/4	4,235.39	1/4	3,874.34	1/4	3,513.28	1/4	3,152.23	1/4	2,791.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,930.87	1/2	4,587.10	1/2	4,227.87	1/2	3,866.82	1/2	3,505.76	1/2	3,144.70	1/2	2,783.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,923.90	3/4	4,579.74	3/4	4,220.35	3/4	3,859.29	3/4	3,498.24	3/4	3,137.18	3/4	2,776.13
7		7		7	5,225.28	7	4,916.92	7	4,572.39	7	4,212.83	7	3,851.77	7	3,490.72	7	3,129.66	7	2,768.60
1/4	1/4	1/4	1/4	1/4	5,220.96	1/4	4,909.92	1/4	4,565.00	1/4	4,205.31	1/4	3,844.25	1/4	3,483.19	1/4	3,122.14	1/4	2,761.08
1/2	1/2	1/2	1/2	1/2	5,216.65	1/2	4,902.92	1/2	4,557.61	1/2	4,197.78	1/2	3,836.73	1/2	3,475.67	1/2	3,114.62	1/2	2,753.56
3/4	3/4	3/4	3/4	3/4	5,212.33	3/4	4,895.92	3/4	4,550.22	3/4	4,190.26	3/4	3,829.21	3/4	3,468.15	3/4	3,107.09	3/4	2,746.04
8		8		8	5,208.01	8	4,888.91	8	4,542.83	8	4,182.74	8	3,821.68	8	3,460.63	8	3,099.57	8	2,738.52
1/4	1/4	1/4	1/4	1/4	5,202.47	1/4	4,881.88	1/4	4,535.42	1/4	4,175.22	1/4	3,814.16	1/4	3,453.11	1/4	3,092.05	1/4	2,730.99
1/2	1/2	1/2	1/2	1/2	5,196.93	1/2	4,874.85	1/2	4,528.00	1/2	4,167.70	1/2	3,806.64	1/2	3,445.58	1/2	3,084.53	1/2	2,723.47
3/4	3/4	3/4	3/4	3/4	5,191.39	3/4	4,867.82	3/4	4,520.58	3/4	4,160.17	3/4	3,799.12	3/4	3,438.06	3/4	3,077.01	3/4	2,715.95
9		9		9	5,185.85	9	4,860.79	9	4,513.16	9	4,152.65	9	3,791.60	9	3,430.54	9	3,069.48	9	2,708.43
1/4	1/4	1/4	1/4	1/4	5,179.84	1/4	4,853.73	1/4	4,505.71	1/4	4,145.13	1/4	3,784.07	1/4	3,423.02	1/4	3,061.96	1/4	2,700.91
1/2	1/2	1/2	1/2	1/2	5,173.83	1/2	4,846.66	1/2	4,498.27	1/2	4,137.61	1/2	3,776.55	1/2	3,415.50	1/2	3,054.44	1/2	2,693.38
3/4	3/4	3/4	3/4	3/4	5,167.83	3/4	4,839.60	3/4	4,490.82	3/4	4,130.09	3/4	3,769.03	3/4	3,407.97	3/4	3,046.92	3/4	2,685.86
10		10		10	5,161.82	10	4,832.54	10	4,483.37	10	4,122.56	10	3,761.51	10	3,400.45	10	3,039.40	10	2,678.34
1/4	1/4	1/4	1/4	1/4	5,155.19	1/4	4,825.45	1/4	4,475.89	1/4	4,115.04	1/4	3,753.99	1/4	3,392.93	1/4	3,031.87	1/4	2,670.82
1/2	1/2	1/2	1/2	1/2	5,148.56	1/2	4,818.36	1/2	4,468.42	1/2	4,107.52	1/2	3,746.46	1/2	3,385.41	1/2	3,024.35	1/2	2,663.30
3/4	3/4	3/4	3/4	3/4	5,141.93	3/4	4,811.27	3/4	4,460.94	3/4	4,100.00	3/4	3,738.94	3/4	3,377.89	3/4	3,016.83	3/4	2,655.77
11		11		11	5,135.30	11	4,804.17	11	4,453.46	11	4,092.48	11	3,731.42	11	3,370.36	11	3,009.31	11	2,648.25
1/4	1/4	1/4	1/4	1/4	5,128.62	1/4	4,797.05	1/4	4,445.96	1/4	4,084.95	1/4	3,723.90	1/4	3,362.84	1/4	3,001.79	1/4	2,640.73
1/2	1/2	1/2	1/2	1/2	5,121.93	1/2	4,789.93	1/2	4,438.45	1/2	4,077.43	1/2	3,716.38	1/2	3,355.32	1/2	2,994.26	1/2	2,633.21
3/4	3/4	3/4	3/4	3/4	5,115.25	3/4	4,782.81	3/4	4,430.95	3/4	4,069.91	3/4	3,708.85	3/4	3,347.80	3/4	2,986.74	3/4	2,625.69

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 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29074"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 307"

GAUGE HEIGHT 17'-03"

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	2,618.16	0	2,256.98	0	1,895.79	0	1,534.61	0	1,173.52	0	812.73	0	451.56	0	90.57	0		0	
1/4	2,610.64	1/4	2,249.45	1/4	1,888.27	1/4	1,527.08	1/4	1,166.01	1/4	805.20	1/4	444.03	1/4	83.68	1/4		1/4	
1/2	2,603.11	1/2	2,241.93	1/2	1,880.74	1/2	1,519.56	1/2	1,158.49	1/2	797.68	1/2	436.51	1/2	76.78	1/2		1/2	
3/4	2,595.59	3/4	2,234.40	3/4	1,873.22	3/4	1,512.03	3/4	1,150.98	3/4	790.16	3/4	428.98	3/4	69.89	3/4		3/4	
1	2,588.06	1	2,226.88	1	1,865.69	1	1,504.51	1	1,143.47	1	782.63	1	421.46	1	62.99	1		1	
1/4	2,580.54	1/4	2,219.35	1/4	1,858.17	1/4	1,496.98	1/4	1,135.96	1/4	775.11	1/4	413.94	1/4	57.35	1/4		1/4	
1/2	2,573.02	1/2	2,211.83	1/2	1,850.64	1/2	1,489.46	1/2	1,128.44	1/2	767.58	1/2	406.41	1/2	51.71	1/2		1/2	
3/4	2,565.49	3/4	2,204.31	3/4	1,843.12	3/4	1,481.93	3/4	1,120.93	3/4	760.06	3/4	398.89	3/4	46.07	3/4		3/4	
2	2,557.97	2	2,196.78	2	1,835.59	2	1,474.41	2	1,113.42	2	752.53	2	391.36	2	40.42	2		2	
1/4	2,550.44	1/4	2,189.26	1/4	1,828.07	1/4	1,466.88	1/4	1,105.91	1/4	745.01	1/4	383.84	1/4	36.04	1/4		1/4	
1/2	2,542.92	1/2	2,181.73	1/2	1,820.55	1/2	1,459.36	1/2	1,098.39	1/2	737.48	1/2	376.31	1/2	31.65	1/2		1/2	
3/4	2,535.39	3/4	2,174.21	3/4	1,813.02	3/4	1,451.84	3/4	1,090.88	3/4	729.96	3/4	368.79	3/4	27.26	3/4		3/4	
3	2,527.87	3	2,166.68	3	1,805.50	3	1,444.31	3	1,083.37	3	722.44	3	361.26	3	22.87	3		3	
1/4	2,520.34	1/4	2,159.16	1/4	1,797.97	1/4	1,436.79	1/4	1,075.86	1/4	714.91	1/4	353.74	1/4		1/4		1/4	
1/2	2,512.82	1/2	2,151.63	1/2	1,790.45	1/2	1,429.26	1/2	1,068.34	1/2	707.39	1/2	346.22	1/2		1/2		1/2	
3/4	2,505.29	3/4	2,144.11	3/4	1,782.92	3/4	1,421.74	3/4	1,060.83	3/4	699.86	3/4	338.69	3/4		3/4		3/4	
4	2,497.77	4	2,136.58	4	1,775.40	4	1,414.21	4	1,053.32	4	692.34	4	331.17	4		4		4	
1/4	2,490.24	1/4	2,129.06	1/4	1,767.87	1/4	1,406.69	1/4	1,045.81	1/4	684.81	1/4	323.64	1/4		1/4		1/4	
1/2	2,482.72	1/2	2,121.53	1/2	1,760.35	1/2	1,399.16	1/2	1,038.29	1/2	677.29	1/2	316.12	1/2		1/2		1/2	
3/4	2,475.19	3/4	2,114.01	3/4	1,752.82	3/4	1,391.64	3/4	1,030.78	3/4	669.76	3/4	308.59	3/4		3/4		3/4	
5	2,467.67	5	2,106.48	5	1,745.30	5	1,384.11	5	1,023.27	5	662.24	5	301.07	5		5		5	
1/4	2,460.14	1/4	2,098.96	1/4	1,737.77	1/4	1,376.59	1/4	1,015.76	1/4	654.72	1/4	293.54	1/4		1/4		1/4	
1/2	2,452.62	1/2	2,091.43	1/2	1,730.25	1/2	1,369.06	1/2	1,008.24	1/2	647.19	1/2	286.02	1/2		1/2		1/2	
3/4	2,445.10	3/4	2,083.91	3/4	1,722.72	3/4	1,361.54	3/4	1,000.73	3/4	639.67	3/4	278.50	3/4		3/4		3/4	
6	2,437.57	6	2,076.39	6	1,715.20	6	1,354.01	6	993.22	6	632.14	6	270.97	6		6		6	
1/4	2,430.05	1/4	2,068.86	1/4	1,707.67	1/4	1,346.49	1/4	985.71	1/4	624.62	1/4	263.45	1/4		1/4		1/4	
1/2	2,422.52	1/2	2,061.34	1/2	1,700.15	1/2	1,338.96	1/2	978.19	1/2	617.09	1/2	255.92	1/2		1/2		1/2	
3/4	2,415.00	3/4	2,053.81	3/4	1,692.63	3/4	1,331.44	3/4	970.68	3/4	609.57	3/4	248.40	3/4		3/4		3/4	
7	2,407.47	7	2,046.29	7	1,685.10	7	1,323.92	7	963.17	7	602.05	7	240.87	7		7		7	
1/4	2,399.95	1/4	2,038.76	1/4	1,677.58	1/4	1,316.39	1/4	955.66	1/4	594.52	1/4	233.35	1/4		1/4		1/4	
1/2	2,392.42	1/2	2,031.24	1/2	1,670.05	1/2	1,308.87	1/2	948.14	1/2	587.00	1/2	225.83	1/2		1/2		1/2	
3/4	2,384.90	3/4	2,023.71	3/4	1,662.53	3/4	1,301.34	3/4	940.63	3/4	579.47	3/4	218.30	3/4		3/4		3/4	
8	2,377.37	8	2,016.19	8	1,655.00	8	1,293.82	8	933.12	8	571.95	8	210.78	8		8		8	
1/4	2,369.85	1/4	2,008.66	1/4	1,647.48	1/4	1,286.29	1/4	925.59	1/4	564.42	1/4	203.25	1/4		1/4		1/4	
1/2	2,362.32	1/2	2,001.14	1/2	1,639.95	1/2	1,278.77	1/2	918.07	1/2	556.90	1/2	195.73	1/2		1/2		1/2	
3/4	2,354.80	3/4	1,993.61	3/4	1,632.43	3/4	1,271.24	3/4	910.55	3/4	549.37	3/4	188.20	3/4		3/4		3/4	
9	2,347.27	9	1,986.09	9	1,624.90	9	1,263.72	9	903.02	9	541.85	9	180.68	9		9		9	
1/4	2,339.75	1/4	1,978.56	1/4	1,617.38	1/4	1,256.19	1/4	895.50	1/4	534.33	1/4	173.16	1/4		1/4		1/4	
1/2	2,332.23	1/2	1,971.04	1/2	1,609.85	1/2	1,248.67	1/2	887.97	1/2	526.80	1/2	165.63	1/2		1/2		1/2	
3/4	2,324.70	3/4	1,963.51	3/4	1,602.33	3/4	1,241.14	3/4	880.45	3/4	519.28	3/4	158.11	3/4		3/4		3/4	
10	2,317.18	10	1,955.99	10	1,594.80	10	1,233.62	10	872.92	10	511.75	10	150.59	10		10		10	
1/4	2,309.65	1/4	1,948.47	1/4	1,587.28	1/4	1,226.11	1/4	865.40	1/4	504.23	1/4	143.07	1/4		1/4		1/4	
1/2	2,302.13	1/2	1,940.94	1/2	1,579.76	1/2	1,218.59	1/2	857.87	1/2	496.70	1/2	135.56	1/2		1/2		1/2	
3/4	2,294.60	3/4	1,933.42	3/4	1,572.23	3/4	1,211.08	3/4	850.35	3/4	489.18	3/4	128.04	3/4		3/4		3/4	
11	2,287.08	11	1,925.89	11	1,564.71	11	1,203.57	11	842.83	11	481.65	11	120.53	11		11		11	
1/4	2,279.55	1/4	1,918.37	1/4	1,557.18	1/4	1,196.06	1/4	835.30	1/4	474.13	1/4	113.04	1/4		1/4		1/4	
1/2	2,272.03	1/2	1,910.84	1/2	1,549.66	1/2	1,188.54	1/2	827.78	1/2	466.61	1/2	105.55	1/2		1/2		1/2	
3/4	2,264.50	3/4	1,903.32	3/4	1,542.13	3/4	1,181.03	3/4	820.25	3/4	459.08	3/4	98.06	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2013 CL - SW
RECALCULATED: 08/23/2023 JS
VERIFIED: 08/17/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "KIRBY 29074"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 307"

GAUGE HEIGHT 17'-03"

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	5,090.85	0	4,758.10	0	4,405.96	0	4,045.04	0	3,684.12	0	3,323.20	0	2,962.27
1/4		1/4		1/4		1/4	5,084.13	1/4	4,750.95	1/4	4,398.44	1/4	4,037.52	1/4	3,676.60	1/4	3,315.68	1/4	2,954.76
1/2		1/2		1/2		1/2	5,077.41	1/2	4,743.80	1/2	4,390.92	1/2	4,030.00	1/2	3,669.08	1/2	3,308.16	1/2	2,947.24
3/4		3/4		3/4		3/4	5,070.69	3/4	4,736.65	3/4	4,383.40	3/4	4,022.48	3/4	3,661.56	3/4	3,300.64	3/4	2,939.72
1		1		1		1	5,063.97	1	4,729.51	1	4,375.88	1	4,014.96	1	3,654.04	1	3,293.12	1	2,932.20
1/4		1/4		1/4		1/4	5,057.22	1/4	4,722.33	1/4	4,368.36	1/4	4,007.44	1/4	3,646.52	1/4	3,285.60	1/4	2,924.68
1/2		1/2		1/2		1/2	5,050.46	1/2	4,715.15	1/2	4,360.85	1/2	3,999.92	1/2	3,639.00	1/2	3,278.08	1/2	2,917.16
3/4		3/4		3/4		3/4	5,043.71	3/4	4,707.97	3/4	4,353.33	3/4	3,992.40	3/4	3,631.48	3/4	3,270.56	3/4	2,909.64
2		2		2		2	5,036.96	2	4,700.79	2	4,345.81	2	3,984.89	2	3,623.96	2	3,263.04	2	2,902.12
1/4		1/4		1/4		1/4	5,030.18	1/4	4,693.56	1/4	4,338.29	1/4	3,977.37	1/4	3,616.44	1/4	3,255.52	1/4	2,894.60
1/2		1/2		1/2		1/2	5,023.39	1/2	4,686.32	1/2	4,330.77	1/2	3,969.85	1/2	3,608.93	1/2	3,248.00	1/2	2,887.08
3/4		3/4		3/4		3/4	5,016.61	3/4	4,679.08	3/4	4,323.25	3/4	3,962.33	3/4	3,601.41	3/4	3,240.48	3/4	2,879.56
3		3		3		3	5,009.83	3	4,671.85	3	4,315.73	3	3,954.81	3	3,593.89	3	3,232.97	3	2,872.04
1/4		1/4		1/4		1/4	5,003.02	1/4	4,664.58	1/4	4,308.21	1/4	3,947.29	1/4	3,586.37	1/4	3,225.45	1/4	2,864.52
1/2		1/2		1/2		1/2	4,996.21	1/2	4,657.31	1/2	4,300.69	1/2	3,939.77	1/2	3,578.85	1/2	3,217.93	1/2	2,857.01
3/4		3/4		3/4		3/4	4,989.40	3/4	4,650.05	3/4	4,293.17	3/4	3,932.25	3/4	3,571.33	3/4	3,210.41	3/4	2,849.49
4		4		4		4	4,982.58	4	4,642.78	4	4,285.65	4	3,924.73	4	3,563.81	4	3,202.89	4	2,841.97
1/4		1/4		1/4		1/4	4,975.67	1/4	4,635.48	1/4	4,278.13	1/4	3,917.21	1/4	3,556.29	1/4	3,195.37	1/4	2,834.45
1/2		1/2		1/2		1/2	4,968.76	1/2	4,628.19	1/2	4,270.62	1/2	3,909.69	1/2	3,548.77	1/2	3,187.85	1/2	2,826.93
3/4		3/4		3/4		3/4	4,961.85	3/4	4,620.89	3/4	4,263.10	3/4	3,902.17	3/4	3,541.25	3/4	3,180.33	3/4	2,819.41
5		5		5		5	4,954.93	5	4,613.59	5	4,255.58	5	3,894.66	5	3,533.73	5	3,172.81	5	2,811.89
1/4		1/4		1/4		1/4	4,947.99	1/4	4,606.27	1/4	4,248.06	1/4	3,887.14	1/4	3,526.21	1/4	3,165.29	1/4	2,804.37
1/2		1/2		1/2		1/2	4,941.05	1/2	4,598.94	1/2	4,240.54	1/2	3,879.62	1/2	3,518.70	1/2	3,157.77	1/2	2,796.85
3/4		3/4		3/4		3/4	4,934.10	3/4	4,591.62	3/4	4,233.02	3/4	3,872.10	3/4	3,511.18	3/4	3,150.25	3/4	2,789.33
6		6		6		6	4,927.16	6	4,584.29	6	4,225.50	6	3,864.58	6	3,503.66	6	3,142.74	6	2,781.81
1/4		1/4		1/4		1/4	4,920.19	1/4	4,576.93	1/4	4,217.98	1/4	3,857.06	1/4	3,496.14	1/4	3,135.22	1/4	2,774.29
1/2		1/2		1/2		1/2	4,913.22	1/2	4,569.58	1/2	4,210.46	1/2	3,849.54	1/2	3,488.62	1/2	3,127.70	1/2	2,766.78
3/4		3/4		3/4		3/4	4,906.25	3/4	4,562.22	3/4	4,202.94	3/4	3,842.02	3/4	3,481.10	3/4	3,120.18	3/4	2,759.26
7		7		7	5,207.53	7	4,899.28	7	4,554.87	7	4,195.42	7	3,834.50	7	3,473.58	7	3,112.66	7	2,751.74
1/4		1/4		1/4	5,203.22	1/4	4,892.28	1/4	4,547.48	1/4	4,187.90	1/4	3,826.98	1/4	3,466.06	1/4	3,105.14	1/4	2,744.22
1/2		1/2		1/2	5,198.90	1/2	4,885.28	1/2	4,540.10	1/2	4,180.38	1/2	3,819.46	1/2	3,458.54	1/2	3,097.62	1/2	2,736.70
3/4		3/4		3/4	5,194.59	3/4	4,878.28	3/4	4,532.71	3/4	4,172.87	3/4	3,811.94	3/4	3,451.02	3/4	3,090.10	3/4	2,729.18
8		8		8	5,190.27	8	4,871.28	8	4,525.33	8	4,165.35	8	3,804.42	8	3,443.50	8	3,082.58	8	2,721.66
1/4		1/4		1/4	5,184.73	1/4	4,864.25	1/4	4,517.91	1/4	4,157.83	1/4	3,796.91	1/4	3,435.98	1/4	3,075.06	1/4	2,714.14
1/2		1/2		1/2	5,179.19	1/2	4,857.22	1/2	4,510.49	1/2	4,150.31	1/2	3,789.39	1/2	3,428.46	1/2	3,067.54	1/2	2,706.62
3/4		3/4		3/4	5,173.65	3/4	4,850.19	3/4	4,503.08	3/4	4,142.79	3/4	3,781.87	3/4	3,420.95	3/4	3,060.02	3/4	2,699.10
9		9		9	5,168.11	9	4,843.17	9	4,495.66	9	4,135.27	9	3,774.35	9	3,413.43	9	3,052.50	9	2,691.58
1/4		1/4		1/4	5,162.11	1/4	4,836.11	1/4	4,488.22	1/4	4,127.75	1/4	3,766.83	1/4	3,405.91	1/4	3,044.99	1/4	2,684.06
1/2		1/2		1/2	5,156.10	1/2	4,829.05	1/2	4,480.77	1/2	4,120.23	1/2	3,759.31	1/2	3,398.39	1/2	3,037.47	1/2	2,676.54
3/4		3/4		3/4	5,150.10	3/4	4,821.99	3/4	4,473.33	3/4	4,112.71	3/4	3,751.79	3/4	3,390.87	3/4	3,029.95	3/4	2,669.03
10		10		10	5,144.09	10	4,814.93	10	4,465.88	10	4,105.19	10	3,744.27	10	3,383.35	10	3,022.43	10	2,661.51
1/4		1/4		1/4	5,137.46	1/4	4,807.84	1/4	4,458.41	1/4	4,097.67	1/4	3,736.75	1/4	3,375.83	1/4	3,014.91	1/4	2,653.99
1/2		1/2		1/2	5,130.84	1/2	4,800.75	1/2	4,450.94	1/2	4,090.15	1/2	3,729.23	1/2	3,368.31	1/2	3,007.39	1/2	2,646.47
3/4		3/4		3/4	5,124.21	3/4	4,793.66	3/4	4,443.46	3/4	4,082.64	3/4	3,721.71	3/4	3,360.79	3/4	2,999.87	3/4	2,638.95
11		11		11	5,117.58	11	4,786.57	11	4,435.99	11	4,075.12	11	3,714.19	11	3,353.27	11	2,992.35	11	2,631.43
1/4		1/4		1/4	5,110.90	1/4	4,779.45	1/4	4,428.48	1/4	4,067.60	1/4	3,706.68	1/4	3,345.75	1/4	2,984.83	1/4	2,623.91
1/2		1/2		1/2	5,104.22	1/2	4,772.34	1/2	4,420.97	1/2	4,060.08	1/2	3,699.16	1/2	3,338.23	1/2	2,977.31	1/2	2,616.39
3/4		3/4		3/4	5,097.54	3/4	4,765.22	3/4	4,413.47	3/4	4,052.56	3/4	3,691.64	3/4	3,330.72	3/4	2,969.79	3/4	2,608.87

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 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29074"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 307"

GAUGE HEIGHT 17'-03"

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	2,601.35	0	2,240.30	0	1,879.24	0	1,518.18	0	1,161.19	0	812.44	0	451.40	0	90.54	0		0	
1/4	2,593.83	1/4	2,232.77	1/4	1,871.72	1/4	1,510.66	1/4	1,154.02	1/4	804.92	1/4	443.88	1/4	83.65	1/4		1/4	
1/2	2,586.31	1/2	2,225.25	1/2	1,864.20	1/2	1,503.14	1/2	1,146.84	1/2	797.39	1/2	436.35	1/2	76.76	1/2		1/2	
3/4	2,578.79	3/4	2,217.73	3/4	1,856.67	3/4	1,495.62	3/4	1,139.66	3/4	789.87	3/4	428.83	3/4	69.87	3/4		3/4	
1	2,571.26	1	2,210.21	1	1,849.15	1	1,488.10	1	1,132.48	1	782.35	1	421.31	1	62.97	1		1	
1/4	2,563.74	1/4	2,202.69	1/4	1,841.63	1/4	1,480.57	1/4	1,125.30	1/4	774.83	1/4	413.79	1/4	57.33	1/4		1/4	
1/2	2,556.22	1/2	2,195.16	1/2	1,834.11	1/2	1,473.05	1/2	1,118.12	1/2	767.31	1/2	406.27	1/2	51.69	1/2		1/2	
3/4	2,548.70	3/4	2,187.64	3/4	1,826.59	3/4	1,465.53	3/4	1,110.94	3/4	759.79	3/4	398.74	3/4	46.05	3/4		3/4	
2	2,541.18	2	2,180.12	2	1,819.06	2	1,458.01	2	1,103.76	2	752.26	2	391.22	2	40.41	2		2	
1/4	2,533.65	1/4	2,172.60	1/4	1,811.54	1/4	1,450.49	1/4	1,096.58	1/4	744.74	1/4	383.70	1/4	36.02	1/4		1/4	
1/2	2,526.13	1/2	2,165.08	1/2	1,804.02	1/2	1,442.96	1/2	1,089.40	1/2	737.22	1/2	376.18	1/2	31.64	1/2		1/2	
3/4	2,518.61	3/4	2,157.55	3/4	1,796.50	3/4	1,435.44	3/4	1,082.22	3/4	729.70	3/4	368.66	3/4	27.25	3/4		3/4	
3	2,511.09	3	2,150.03	3	1,788.98	3	1,427.92	3	1,075.05	3	722.18	3	361.14	3	22.86	3		3	
1/4	2,503.57	1/4	2,142.51	1/4	1,781.45	1/4	1,420.40	1/4	1,067.87	1/4	714.66	1/4	353.61	1/4		1/4		1/4	
1/2	2,496.04	1/2	2,134.99	1/2	1,773.93	1/2	1,412.88	1/2	1,060.69	1/2	707.13	1/2	346.09	1/2		1/2		1/2	
3/4	2,488.52	3/4	2,127.47	3/4	1,766.41	3/4	1,405.35	3/4	1,053.51	3/4	699.61	3/4	338.57	3/4		3/4		3/4	
4	2,481.00	4	2,119.94	4	1,758.89	4	1,397.83	4	1,046.33	4	692.09	4	331.05	4		4		4	
1/4	2,473.48	1/4	2,112.42	1/4	1,751.37	1/4	1,390.31	1/4	1,039.15	1/4	684.57	1/4	323.53	1/4		1/4		1/4	
1/2	2,465.96	1/2	2,104.90	1/2	1,743.84	1/2	1,382.79	1/2	1,031.97	1/2	677.05	1/2	316.01	1/2		1/2		1/2	
3/4	2,458.43	3/4	2,097.38	3/4	1,736.32	3/4	1,375.27	3/4	1,024.79	3/4	669.53	3/4	308.48	3/4		3/4		3/4	
5	2,450.91	5	2,089.86	5	1,728.80	5	1,367.74	5	1,017.61	5	662.00	5	300.96	5		5		5	
1/4	2,443.39	1/4	2,082.33	1/4	1,721.28	1/4	1,360.22	1/4	1,010.43	1/4	654.48	1/4	293.44	1/4		1/4		1/4	
1/2	2,435.87	1/2	2,074.81	1/2	1,713.76	1/2	1,352.70	1/2	1,003.25	1/2	646.96	1/2	285.92	1/2		1/2		1/2	
3/4	2,428.35	3/4	2,067.29	3/4	1,706.23	3/4	1,345.18	3/4	996.08	3/4	639.44	3/4	278.40	3/4		3/4		3/4	
6	2,420.82	6	2,059.77	6	1,698.71	6	1,337.66	6	988.90	6	631.92	6	270.88	6		6		6	
1/4	2,413.30	1/4	2,052.25	1/4	1,691.19	1/4	1,330.13	1/4	981.72	1/4	624.40	1/4	263.35	1/4		1/4		1/4	
1/2	2,405.78	1/2	2,044.72	1/2	1,683.67	1/2	1,322.61	1/2	974.54	1/2	616.87	1/2	255.83	1/2		1/2		1/2	
3/4	2,398.26	3/4	2,037.20	3/4	1,676.15	3/4	1,315.09	3/4	967.36	3/4	609.35	3/4	248.31	3/4		3/4		3/4	
7	2,390.74	7	2,029.68	7	1,668.62	7	1,307.57	7	960.18	7	601.83	7	240.79	7		7		7	
1/4	2,383.21	1/4	2,022.16	1/4	1,661.10	1/4	1,300.05	1/4	953.00	1/4	594.31	1/4	233.27	1/4		1/4		1/4	
1/2	2,375.69	1/2	2,014.64	1/2	1,653.58	1/2	1,292.52	1/2	945.82	1/2	586.79	1/2	225.75	1/2		1/2		1/2	
3/4	2,368.17	3/4	2,007.11	3/4	1,646.06	3/4	1,285.00	3/4	938.64	3/4	579.27	3/4	218.22	3/4		3/4		3/4	
8	2,360.65	8	1,999.59	8	1,638.54	8	1,277.48	8	931.46	8	571.74	8	210.70	8		8		8	
1/4	2,353.13	1/4	1,992.07	1/4	1,631.01	1/4	1,269.96	1/4	924.27	1/4	564.22	1/4	203.18	1/4		1/4		1/4	
1/2	2,345.60	1/2	1,984.55	1/2	1,623.49	1/2	1,262.44	1/2	917.08	1/2	556.70	1/2	195.66	1/2		1/2		1/2	
3/4	2,338.08	3/4	1,977.03	3/4	1,615.97	3/4	1,254.91	3/4	909.89	3/4	549.18	3/4	188.14	3/4		3/4		3/4	
9	2,330.56	9	1,969.50	9	1,608.45	9	1,247.39	9	902.70	9	541.66	9	180.62	9		9		9	
1/4	2,323.04	1/4	1,961.98	1/4	1,600.93	1/4	1,240.20	1/4	895.18	1/4	534.14	1/4	173.10	1/4		1/4		1/4	
1/2	2,315.52	1/2	1,954.46	1/2	1,593.40	1/2	1,233.01	1/2	887.66	1/2	526.61	1/2	165.57	1/2		1/2		1/2	
3/4	2,307.99	3/4	1,946.94	3/4	1,585.88	3/4	1,225.82	3/4	880.13	3/4	519.09	3/4	158.05	3/4		3/4		3/4	
10	2,300.47	10	1,939.42	10	1,578.36	10	1,218.63	10	872.61	10	511.57	10	150.53	10		10		10	
1/4	2,292.95	1/4	1,931.89	1/4	1,570.84	1/4	1,211.45	1/4	865.09	1/4	504.05	1/4	143.02	1/4		1/4		1/4	
1/2	2,285.43	1/2	1,924.37	1/2	1,563.32	1/2	1,204.27	1/2	857.57	1/2	496.53	1/2	135.51	1/2		1/2		1/2	
3/4	2,277.91	3/4	1,916.85	3/4	1,555.79	3/4	1,197.09	3/4	850.05	3/4	489.01	3/4	128.00	3/4		3/4		3/4	
11	2,270.38	11	1,909.33	11	1,548.27	11	1,189.91	11	842.53	11	481.48	11	120.49	11		11		11	
1/4	2,262.86	1/4	1,901.81	1/4	1,540.75	1/4	1,182.73	1/4	835.00	1/4	473.96	1/4	113.00	1/4		1/4		1/4	
1/2	2,255.34	1/2	1,894.28	1/2	1,533.23	1/2	1,175.55	1/2	827.48	1/2	466.44	1/2	105.52	1/2		1/2		1/2	
3/4	2,247.82	3/4	1,886.76	3/4	1,525.71	3/4	1,168.37	3/4	819.96	3/4	458.92	3/4	98.03	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2013 CL - SW
RECALCULATED: 08/23/2023 JS
VERIFIED: 08/17/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "KIRBY 29074"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 307"

GAUGE HEIGHT 17'-03 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	4,362.87	0	4,184.91	0	3,996.52	0	3,803.05	0	3,609.57	0	3,340.62	0	2,982.44
1/4		1/4		1/4		1/4	4,359.29	1/4	4,181.09	1/4	3,992.50	1/4	3,799.02	1/4	3,605.54	1/4	3,333.16	1/4	2,974.96
1/2		1/2		1/2		1/2	4,355.72	1/2	4,177.27	1/2	3,988.48	1/2	3,794.99	1/2	3,601.51	1/2	3,325.70	1/2	2,967.48
3/4		3/4		3/4		3/4	4,352.11	3/4	4,173.44	3/4	3,984.44	3/4	3,790.96	3/4	3,597.48	3/4	3,318.25	3/4	2,960.00
1		1		1		1	4,348.51	1	4,169.61	1	3,980.41	1	3,786.93	1	3,593.45	1	3,310.80	1	2,952.52
1/4		1/4		1/4		1/4	4,344.91	1/4	4,165.77	1/4	3,976.38	1/4	3,782.90	1/4	3,589.42	1/4	3,303.36	1/4	2,945.04
1/2		1/2		1/2		1/2	4,341.30	1/2	4,161.94	1/2	3,972.35	1/2	3,778.87	1/2	3,585.39	1/2	3,295.91	1/2	2,937.56
3/4		3/4		3/4		3/4	4,337.68	3/4	4,158.09	3/4	3,968.32	3/4	3,774.84	3/4	3,581.35	3/4	3,288.47	3/4	2,930.08
2		2		2		2	4,334.06	2	4,154.24	2	3,964.29	2	3,770.81	2	3,577.32	2	3,281.02	2	2,922.60
1/4		1/4		1/4		1/4	4,330.44	1/4	4,150.39	1/4	3,960.26	1/4	3,766.78	1/4	3,573.29	1/4	3,273.58	1/4	2,915.12
1/2		1/2		1/2		1/2	4,326.82	1/2	4,146.54	1/2	3,956.23	1/2	3,762.74	1/2	3,569.26	1/2	3,266.13	1/2	2,907.64
3/4		3/4		3/4		3/4	4,323.18	3/4	4,142.66	3/4	3,952.20	3/4	3,758.71	3/4	3,565.23	3/4	3,258.68	3/4	2,900.16
3		3		3		3	4,319.55	3	4,138.78	3	3,948.17	3	3,754.68	3	3,561.20	3	3,251.24	3	2,892.68
1/4		1/4		1/4		1/4	4,315.91	1/4	4,134.90	1/4	3,944.14	1/4	3,750.65	1/4	3,557.17	1/4	3,243.79	1/4	2,885.20
1/2		1/2		1/2		1/2	4,312.27	1/2	4,131.02	1/2	3,940.10	1/2	3,746.62	1/2	3,553.14	1/2	3,236.35	1/2	2,877.72
3/4		3/4		3/4		3/4	4,308.62	3/4	4,127.12	3/4	3,936.07	3/4	3,742.59	3/4	3,549.11	3/4	3,228.90	3/4	2,870.24
4		4		4		4	4,304.97	4	4,123.23	4	3,932.04	4	3,738.56	4	3,545.08	4	3,221.46	4	2,862.76
1/4		1/4		1/4		1/4	4,301.32	1/4	4,119.33	1/4	3,928.01	1/4	3,734.53	1/4	3,541.05	1/4	3,214.01	1/4	2,855.28
1/2		1/2		1/2		1/2	4,297.66	1/2	4,115.44	1/2	3,923.98	1/2	3,730.50	1/2	3,537.01	1/2	3,206.56	1/2	2,847.80
3/4		3/4		3/4		3/4	4,293.96	3/4	4,111.52	3/4	3,919.95	3/4	3,726.47	3/4	3,532.98	3/4	3,199.12	3/4	2,840.32
5		5		5		5	4,290.25	5	4,107.61	5	3,915.92	5	3,722.44	5	3,528.95	5	3,191.67	5	2,832.84
1/4		1/4		1/4		1/4	4,286.55	1/4	4,103.70	1/4	3,911.89	1/4	3,718.40	1/4	3,524.92	1/4	3,184.23	1/4	2,825.36
1/2		1/2		1/2		1/2	4,282.84	1/2	4,099.79	1/2	3,907.86	1/2	3,714.37	1/2	3,520.89	1/2	3,176.78	1/2	2,817.88
3/4		3/4		3/4		3/4	4,279.12	3/4	4,095.86	3/4	3,903.83	3/4	3,710.34	3/4	3,516.86	3/4	3,169.34	3/4	2,810.40
6		6		6		6	4,275.39	6	4,091.93	6	3,899.80	6	3,706.31	6	3,512.83	6	3,161.89	6	2,802.92
1/4		1/4		1/4		1/4	4,271.67	1/4	4,088.01	1/4	3,895.76	1/4	3,702.28	1/4	3,508.80	1/4	3,154.44	1/4	2,795.44
1/2		1/2		1/2		1/2	4,267.95	1/2	4,084.08	1/2	3,891.73	1/2	3,698.25	1/2	3,504.77	1/2	3,147.00	1/2	2,787.96
3/4		3/4		3/4		3/4	4,264.21	3/4	4,080.14	3/4	3,887.70	3/4	3,694.22	3/4	3,497.31	3/4	3,139.52	3/4	2,780.46
7		7		7		7	4,260.47	7	4,076.19	7	3,883.67	7	3,690.19	7	3,489.84	7	3,132.04	7	2,772.97
1/4		1/4		1/4		1/4	4,256.73	1/4	4,072.25	1/4	3,879.64	1/4	3,686.16	1/4	3,482.38	1/4	3,124.56	1/4	2,765.48
1/2		1/2		1/2	4,407.80	1/2	4,252.99	1/2	4,068.30	1/2	3,875.61	1/2	3,682.13	1/2	3,474.92	1/2	3,117.08	1/2	2,757.98
3/4		3/4		3/4	4,406.93	3/4	4,249.24	3/4	4,064.34	3/4	3,871.58	3/4	3,678.10	3/4	3,467.46	3/4	3,109.60	3/4	2,750.49
8		8		8	4,406.06	8	4,245.49	8	4,060.39	8	3,867.55	8	3,674.06	8	3,460.00	8	3,102.12	8	2,743.00
1/4		1/4		1/4	4,405.19	1/4	4,241.73	1/4	4,056.43	1/4	3,863.52	1/4	3,670.03	1/4	3,452.54	1/4	3,094.64	1/4	2,735.50
1/2		1/2		1/2	4,404.32	1/2	4,237.98	1/2	4,052.47	1/2	3,859.49	1/2	3,666.00	1/2	3,445.08	1/2	3,087.16	1/2	2,728.01
3/4		3/4		3/4	4,402.22	3/4	4,234.21	3/4	4,048.49	3/4	3,855.46	3/4	3,661.97	3/4	3,437.62	3/4	3,079.68	3/4	2,720.52
9		9		9	4,400.11	9	4,230.44	9	4,044.52	9	3,851.42	9	3,657.94	9	3,430.15	9	3,072.20	9	2,713.03
1/4		1/4		1/4	4,398.01	1/4	4,226.67	1/4	4,040.54	1/4	3,847.39	1/4	3,653.91	1/4	3,422.69	1/4	3,064.72	1/4	2,705.53
1/2		1/2		1/2	4,395.90	1/2	4,222.90	1/2	4,036.57	1/2	3,843.36	1/2	3,649.88	1/2	3,415.23	1/2	3,057.24	1/2	2,698.04
3/4		3/4		3/4	4,392.97	3/4	4,219.11	3/4	4,032.57	3/4	3,839.33	3/4	3,645.85	3/4	3,407.77	3/4	3,049.76	3/4	2,690.55
10		10		10	4,390.04	10	4,215.32	10	4,028.58	10	3,835.30	10	3,641.82	10	3,400.31	10	3,042.28	10	2,683.06
1/4		1/4		1/4	4,387.11	1/4	4,211.54	1/4	4,024.59	1/4	3,831.27	1/4	3,637.79	1/4	3,392.85	1/4	3,034.80	1/4	2,675.56
1/2		1/2		1/2	4,384.18	1/2	4,207.75	1/2	4,020.60	1/2	3,827.24	1/2	3,633.76	1/2	3,385.39	1/2	3,027.32	1/2	2,668.07
3/4		3/4		3/4	4,380.64	3/4	4,203.95	3/4	4,016.59	3/4	3,823.21	3/4	3,629.73	3/4	3,377.93	3/4	3,019.84	3/4	2,660.58
11		11		11	4,377.10	11	4,200.15	11	4,012.59	11	3,819.18	11	3,625.69	11	3,370.46	11	3,012.36	11	2,653.08
1/4		1/4		1/4	4,373.57	1/4	4,196.35	1/4	4,008.58	1/4	3,815.15	1/4	3,621.66	1/4	3,363.00	1/4	3,004.88	1/4	2,645.59
1/2		1/2		1/2	4,370.03	1/2	4,192.54	1/2	4,004.57	1/2	3,811.12	1/2	3,617.63	1/2	3,355.54	1/2	2,997.40	1/2	2,638.10
3/4		3/4		3/4	4,366.45	3/4	4,188.73	3/4	4,000.55	3/4	3,807.08	3/4	3,613.60	3/4	3,348.08	3/4	2,989.92	3/4	2,630.61

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 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29074"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 307"

GAUGE HEIGHT 17'-03 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	2,623.11	0	2,263.40	0	1,903.64	0	1,543.84	0	1,184.07	0	824.61	0	464.82	0	105.15	0		0	
1/4	2,615.62	1/4	2,255.90	1/4	1,896.15	1/4	1,536.34	1/4	1,176.58	1/4	817.12	1/4	457.33	1/4	97.69	1/4		1/4	
1/2	2,608.13	1/2	2,248.41	1/2	1,888.65	1/2	1,528.85	1/2	1,169.10	1/2	809.62	1/2	449.83	1/2	90.23	1/2		1/2	
3/4	2,600.63	3/4	2,240.91	3/4	1,881.16	3/4	1,521.35	3/4	1,161.61	3/4	802.13	3/4	442.34	3/4	83.36	3/4		3/4	
1	2,593.14	1	2,233.42	1	1,873.66	1	1,513.86	1	1,154.12	1	794.63	1	434.84	1	76.49	1		1	
1/4	2,585.65	1/4	2,225.92	1/4	1,866.16	1/4	1,506.36	1/4	1,146.64	1/4	787.13	1/4	427.35	1/4	69.62	1/4		1/4	
1/2	2,578.15	1/2	2,218.43	1/2	1,858.67	1/2	1,498.87	1/2	1,139.15	1/2	779.64	1/2	419.85	1/2	62.76	1/2		1/2	
3/4	2,570.66	3/4	2,210.94	3/4	1,851.17	3/4	1,491.37	3/4	1,131.66	3/4	772.14	3/4	412.35	3/4	57.13	3/4		3/4	
2	2,563.16	2	2,203.44	2	1,843.68	2	1,483.87	2	1,124.18	2	764.65	2	404.86	2	51.51	2		2	
1/4	2,555.67	1/4	2,195.95	1/4	1,836.18	1/4	1,476.38	1/4	1,116.69	1/4	757.15	1/4	397.36	1/4	45.89	1/4		1/4	
1/2	2,548.18	1/2	2,188.45	1/2	1,828.68	1/2	1,468.88	1/2	1,109.20	1/2	749.66	1/2	389.87	1/2	40.27	1/2		1/2	
3/4	2,540.68	3/4	2,180.96	3/4	1,821.19	3/4	1,461.39	3/4	1,101.72	3/4	742.16	3/4	382.37	3/4	35.90	3/4		3/4	
3	2,533.19	3	2,173.47	3	1,813.69	3	1,453.89	3	1,094.23	3	734.67	3	374.88	3	31.53	3		3	
1/4	2,525.69	1/4	2,165.97	1/4	1,806.20	1/4	1,446.39	1/4	1,086.74	1/4	727.17	1/4	367.38	1/4	27.16	1/4		1/4	
1/2	2,518.20	1/2	2,158.48	1/2	1,798.70	1/2	1,438.90	1/2	1,079.26	1/2	719.67	1/2	359.89	1/2	22.79	1/2		1/2	
3/4	2,510.70	3/4	2,150.98	3/4	1,791.21	3/4	1,431.40	3/4	1,071.77	3/4	712.18	3/4	352.39	3/4		3/4		3/4	
4	2,503.21	4	2,143.49	4	1,783.71	4	1,423.91	4	1,064.28	4	704.68	4	344.89	4		4		4	
1/4	2,495.72	1/4	2,135.99	1/4	1,776.21	1/4	1,416.41	1/4	1,056.80	1/4	697.19	1/4	337.40	1/4		1/4		1/4	
1/2	2,488.22	1/2	2,128.50	1/2	1,768.72	1/2	1,408.91	1/2	1,049.31	1/2	689.69	1/2	329.90	1/2		1/2		1/2	
3/4	2,480.73	3/4	2,121.01	3/4	1,761.22	3/4	1,401.42	3/4	1,041.83	3/4	682.20	3/4	322.41	3/4		3/4		3/4	
5	2,473.23	5	2,113.51	5	1,753.73	5	1,393.92	5	1,034.34	5	674.70	5	314.91	5		5		5	
1/4	2,465.74	1/4	2,106.02	1/4	1,746.23	1/4	1,386.43	1/4	1,026.85	1/4	667.20	1/4	307.42	1/4		1/4		1/4	
1/2	2,458.25	1/2	2,098.52	1/2	1,738.73	1/2	1,378.93	1/2	1,019.37	1/2	659.71	1/2	299.92	1/2		1/2		1/2	
3/4	2,450.75	3/4	2,091.03	3/4	1,731.24	3/4	1,371.43	3/4	1,011.88	3/4	652.21	3/4	292.42	3/4		3/4		3/4	
6	2,443.26	6	2,083.54	6	1,723.74	6	1,363.94	6	1,004.39	6	644.72	6	284.93	6		6		6	
1/4	2,435.76	1/4	2,076.04	1/4	1,716.25	1/4	1,356.44	1/4	996.91	1/4	637.22	1/4	277.43	1/4		1/4		1/4	
1/2	2,428.27	1/2	2,068.55	1/2	1,708.75	1/2	1,348.95	1/2	989.42	1/2	629.73	1/2	269.94	1/2		1/2		1/2	
3/4	2,420.77	3/4	2,061.05	3/4	1,701.25	3/4	1,341.45	3/4	981.93	3/4	622.23	3/4	262.44	3/4		3/4		3/4	
7	2,413.28	7	2,053.56	7	1,693.76	7	1,333.96	7	974.45	7	614.74	7	254.95	7		7		7	
1/4	2,405.79	1/4	2,046.06	1/4	1,686.26	1/4	1,326.46	1/4	966.96	1/4	607.24	1/4	247.45	1/4		1/4		1/4	
1/2	2,398.29	1/2	2,038.57	1/2	1,678.77	1/2	1,318.96	1/2	959.47	1/2	599.74	1/2	239.96	1/2		1/2		1/2	
3/4	2,390.80	3/4	2,031.07	3/4	1,671.27	3/4	1,311.47	3/4	951.99	3/4	592.25	3/4	232.46	3/4		3/4		3/4	
8	2,383.30	8	2,023.58	8	1,663.77	8	1,303.97	8	944.50	8	584.75	8	224.96	8		8		8	
1/4	2,375.81	1/4	2,016.08	1/4	1,656.28	1/4	1,296.48	1/4	937.01	1/4	577.26	1/4	217.47	1/4		1/4		1/4	
1/2	2,368.31	1/2	2,008.59	1/2	1,648.78	1/2	1,288.98	1/2	929.53	1/2	569.76	1/2	209.97	1/2		1/2		1/2	
3/4	2,360.82	3/4	2,001.09	3/4	1,641.29	3/4	1,281.48	3/4	922.04	3/4	562.27	3/4	202.48	3/4		3/4		3/4	
9	2,353.33	9	1,993.59	9	1,633.79	9	1,273.99	9	914.55	9	554.77	9	194.98	9		9		9	
1/4	2,345.83	1/4	1,986.10	1/4	1,626.30	1/4	1,266.49	1/4	907.06	1/4	547.28	1/4	187.49	1/4		1/4		1/4	
1/2	2,338.34	1/2	1,978.60	1/2	1,618.80	1/2	1,259.00	1/2	899.57	1/2	539.78	1/2	179.99	1/2		1/2		1/2	
3/4	2,330.84	3/4	1,971.11	3/4	1,611.30	3/4	1,251.50	3/4	892.07	3/4	532.28	3/4	172.50	3/4		3/4		3/4	
10	2,323.35	10	1,963.61	10	1,603.81	10	1,244.00	10	884.58	10	524.79	10	165.00	10		10		10	
1/4	2,315.86	1/4	1,956.12	1/4	1,596.31	1/4	1,236.51	1/4	877.08	1/4	517.29	1/4	157.51	1/4		1/4		1/4	
1/2	2,308.36	1/2	1,948.62	1/2	1,588.82	1/2	1,229.01	1/2	869.59	1/2	509.80	1/2	150.01	1/2		1/2		1/2	
3/4	2,300.87	3/4	1,941.12	3/4	1,581.32	3/4	1,221.52	3/4	862.09	3/4	502.30	3/4	142.53	3/4		3/4		3/4	
11	2,293.37	11	1,933.63	11	1,573.82	11	1,214.03	11	854.59	11	494.81	11	135.04	11		11		11	
1/4	2,285.88	1/4	1,926.13	1/4	1,566.33	1/4	1,206.53	1/4	847.10	1/4	487.31	1/4	127.56	1/4		1/4		1/4	
1/2	2,278.38	1/2	1,918.64	1/2	1,558.83	1/2	1,199.04	1/2	839.60	1/2	479.81	1/2	120.07	1/2		1/2		1/2	
3/4	2,270.89	3/4	1,911.14	3/4	1,551.34	3/4	1,191.56	3/4	832.11	3/4	472.32	3/4	112.61	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2013 CL - SW
RECALCULATED: 08/23/2023 JS
VERIFIED: 08/17/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "KIRBY 29074"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 307"

GAUGE HEIGHT 17'-03 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	4,336.84	0	4,159.48	0	3,971.70	0	3,778.84	0	3,585.96	0	3,317.58	0	2,960.04
1/4		1/4		1/4		1/4	4,333.27	1/4	4,155.68	1/4	3,967.69	1/4	3,774.82	1/4	3,581.94	1/4	3,310.13	1/4	2,952.58
1/2		1/2		1/2		1/2	4,329.71	1/2	4,151.87	1/2	3,963.68	1/2	3,770.80	1/2	3,577.92	1/2	3,302.68	1/2	2,945.12
3/4		3/4		3/4		3/4	4,326.12	3/4	4,148.05	3/4	3,959.67	3/4	3,766.78	3/4	3,573.90	3/4	3,295.24	3/4	2,937.66
1		1		1		1	4,322.53	1	4,144.23	1	3,955.65	1	3,762.76	1	3,569.88	1	3,287.81	1	2,930.20
1/4		1/4		1/4		1/4	4,318.93	1/4	4,140.41	1/4	3,951.63	1/4	3,758.75	1/4	3,565.86	1/4	3,280.37	1/4	2,922.74
1/2		1/2		1/2		1/2	4,315.34	1/2	4,136.59	1/2	3,947.61	1/2	3,754.73	1/2	3,561.84	1/2	3,272.94	1/2	2,915.28
3/4		3/4		3/4		3/4	4,311.74	3/4	4,132.75	3/4	3,943.59	3/4	3,750.71	3/4	3,557.83	3/4	3,265.50	3/4	2,907.82
2		2		2		2	4,308.13	2	4,128.91	2	3,939.57	2	3,746.69	2	3,553.81	2	3,258.07	2	2,900.35
1/4		1/4		1/4		1/4	4,304.52	1/4	4,125.08	1/4	3,935.56	1/4	3,742.67	1/4	3,549.79	1/4	3,250.64	1/4	2,892.89
1/2		1/2		1/2		1/2	4,300.91	1/2	4,121.24	1/2	3,931.54	1/2	3,738.65	1/2	3,545.77	1/2	3,243.20	1/2	2,885.43
3/4		3/4		3/4		3/4	4,297.29	3/4	4,117.37	3/4	3,927.52	3/4	3,734.64	3/4	3,541.75	3/4	3,235.77	3/4	2,877.96
3		3		3		3	4,293.67	3	4,113.51	3	3,923.50	3	3,730.62	3	3,537.73	3	3,227.33	3	2,870.49
1/4		1/4		1/4		1/4	4,290.04	1/4	4,109.64	1/4	3,919.48	1/4	3,726.60	1/4	3,533.72	1/4	3,220.90	1/4	2,863.03
1/2		1/2		1/2		1/2	4,286.42	1/2	4,105.77	1/2	3,915.46	1/2	3,722.58	1/2	3,529.70	1/2	3,213.46	1/2	2,855.56
3/4		3/4		3/4		3/4	4,282.78	3/4	4,101.89	3/4	3,911.45	3/4	3,718.56	3/4	3,525.68	3/4	3,206.03	3/4	2,848.09
4		4		4		4	4,279.14	4	4,098.00	4	3,907.43	4	3,714.54	4	3,521.66	4	3,198.59	4	2,840.62
1/4		1/4		1/4		1/4	4,275.50	1/4	4,094.12	1/4	3,903.41	1/4	3,710.53	1/4	3,517.64	1/4	3,191.16	1/4	2,833.15
1/2		1/2		1/2		1/2	4,271.86	1/2	4,090.24	1/2	3,899.39	1/2	3,706.51	1/2	3,513.62	1/2	3,183.72	1/2	2,825.68
3/4		3/4		3/4		3/4	4,268.17	3/4	4,086.34	3/4	3,895.37	3/4	3,702.49	3/4	3,509.61	3/4	3,176.29	3/4	2,818.21
5		5		5		5	4,264.47	5	4,082.44	5	3,891.35	5	3,698.47	5	3,505.59	5	3,168.86	5	2,810.75
1/4		1/4		1/4		1/4	4,260.78	1/4	4,078.54	1/4	3,887.34	1/4	3,694.45	1/4	3,501.57	1/4	3,161.42	1/4	2,803.28
1/2		1/2		1/2		1/2	4,257.08	1/2	4,074.64	1/2	3,883.32	1/2	3,690.43	1/2	3,497.55	1/2	3,153.99	1/2	2,795.81
3/4		3/4		3/4		3/4	4,253.37	3/4	4,070.73	3/4	3,879.30	3/4	3,686.42	3/4	3,493.53	3/4	3,146.55	3/4	2,788.34
6		6		6		6	4,249.66	6	4,066.81	6	3,875.28	6	3,682.40	6	3,489.51	6	3,139.12	6	2,780.87
1/4		1/4		1/4		1/4	4,245.95	1/4	4,062.90	1/4	3,871.26	1/4	3,678.38	1/4	3,485.50	1/4	3,131.68	1/4	2,773.40
1/2		1/2		1/2		1/2	4,242.24	1/2	4,058.98	1/2	3,867.24	1/2	3,674.36	1/2	3,481.48	1/2	3,124.25	1/2	2,765.93
3/4		3/4		3/4		3/4	4,238.52	3/4	4,055.05	3/4	3,863.22	3/4	3,670.34	3/4	3,477.43	3/4	3,116.78	3/4	2,758.45
7		7		7		7	4,234.79	7	4,051.12	7	3,859.21	7	3,666.32	7	3,466.58	7	3,109.31	7	2,750.97
1/4		1/4		1/4		1/4	4,231.07	1/4	4,047.19	1/4	3,855.19	1/4	3,662.30	1/4	3,459.13	1/4	3,101.84	1/4	2,743.48
1/2		1/2		1/2		1/2	4,381.53	1/2	4,227.34	1/2	4,043.26	1/2	3,851.17	1/2	3,658.29	1/2	3,451.68	1/2	3,094.37
3/4		3/4		3/4		3/4	4,380.67	3/4	4,223.60	3/4	4,039.31	3/4	3,847.15	3/4	3,654.27	3/4	3,444.23	3/4	3,086.90
8		8		8		8	4,379.82	8	4,219.86	8	4,035.36	8	3,843.13	8	3,650.25	8	3,436.78	8	3,079.44
1/4		1/4		1/4		1/4	4,378.96	1/4	4,216.12	1/4	4,031.42	1/4	3,839.11	1/4	3,646.23	1/4	3,429.33	1/4	3,071.97
1/2		1/2		1/2		1/2	4,378.11	1/2	4,212.37	1/2	4,027.47	1/2	3,835.10	1/2	3,642.21	1/2	3,421.88	1/2	3,064.50
3/4		3/4		3/4		3/4	4,376.02	3/4	4,208.62	3/4	4,023.51	3/4	3,831.08	3/4	3,638.19	3/4	3,414.43	3/4	3,057.04
9		9		9		9	4,373.92	9	4,204.86	9	4,019.54	9	3,827.06	9	3,634.18	9	3,406.98	9	3,049.58
1/4		1/4		1/4		1/4	4,371.83	1/4	4,201.10	1/4	4,015.58	1/4	3,823.04	1/4	3,630.16	1/4	3,399.53	1/4	3,042.12
1/2		1/2		1/2		1/2	4,369.74	1/2	4,197.34	1/2	4,011.62	1/2	3,819.02	1/2	3,626.14	1/2	3,392.08	1/2	3,034.65
3/4		3/4		3/4		3/4	4,366.82	3/4	4,193.57	3/4	4,007.64	3/4	3,815.00	3/4	3,622.12	3/4	3,384.63	3/4	3,027.19
10		10		10		10	4,363.91	10	4,189.80	10	4,003.66	10	3,810.99	10	3,618.10	10	3,377.18	10	3,019.73
1/4		1/4		1/4		1/4	4,360.99	1/4	4,186.02	1/4	3,999.68	1/4	3,806.97	1/4	3,614.08	1/4	3,369.73	1/4	3,012.27
1/2		1/2		1/2		1/2	4,358.07	1/2	4,182.25	1/2	3,995.70	1/2	3,802.95	1/2	3,610.07	1/2	3,362.28	1/2	3,004.81
3/4		3/4		3/4		3/4	4,354.54	3/4	4,178.46	3/4	3,991.71	3/4	3,798.93	3/4	3,606.05	3/4	3,354.83	3/4	2,997.35
11		11		11		11	4,351.02	11	4,174.67	11	3,987.71	11	3,794.91	11	3,602.03	11	3,347.38	11	2,989.89
1/4		1/4		1/4		1/4	4,347.49	1/4	4,170.88	1/4	3,983.72	1/4	3,790.89	1/4	3,598.01	1/4	3,339.93	1/4	2,982.43
1/2		1/2		1/2		1/2	4,343.97	1/2	4,167.09	1/2	3,979.72	1/2	3,786.88	1/2	3,593.99	1/2	3,332.48	1/2	2,974.97
3/4		3/4		3/4		3/4	4,340.40	3/4	4,163.29	3/4	3,975.71	3/4	3,782.86	3/4	3,589.97	3/4	3,325.03	3/4	2,967.50

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 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29074"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 307"

GAUGE HEIGHT 17'-03 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	2,601.34	0	2,242.16	0	1,882.95	0	1,523.69	0	1,167.14	0	823.10	0	464.30	0	105.04	0		0	
1/4	2,593.86	1/4	2,234.68	1/4	1,875.47	1/4	1,516.21	1/4	1,159.71	1/4	815.90	1/4	456.82	1/4	97.58	1/4		1/4	
1/2	2,586.37	1/2	2,227.20	1/2	1,867.98	1/2	1,508.72	1/2	1,152.28	1/2	808.69	1/2	449.33	1/2	90.13	1/2		1/2	
3/4	2,578.89	3/4	2,219.71	3/4	1,860.50	3/4	1,501.24	3/4	1,145.13	3/4	801.21	3/4	441.84	3/4	83.28	3/4		3/4	
1	2,571.41	1	2,212.23	1	1,853.01	1	1,493.75	1	1,137.98	1	793.72	1	434.36	1	76.43	1		1	
1/4	2,563.93	1/4	2,204.75	1/4	1,845.53	1/4	1,486.27	1/4	1,130.83	1/4	786.23	1/4	426.87	1/4	69.58	1/4		1/4	
1/2	2,556.44	1/2	2,197.26	1/2	1,838.04	1/2	1,478.78	1/2	1,123.68	1/2	778.75	1/2	419.38	1/2	62.73	1/2		1/2	
3/4	2,548.96	3/4	2,189.78	3/4	1,830.56	3/4	1,471.36	3/4	1,116.53	3/4	771.26	3/4	411.90	3/4	57.12	3/4		3/4	
2	2,541.48	2	2,182.30	2	1,823.07	2	1,463.94	2	1,109.38	2	763.77	2	404.41	2	51.51	2		2	
1/4	2,533.99	1/4	2,174.82	1/4	1,815.59	1/4	1,456.51	1/4	1,102.24	1/4	756.29	1/4	396.92	1/4	45.90	1/4		1/4	
1/2	2,526.51	1/2	2,167.33	1/2	1,808.11	1/2	1,449.09	1/2	1,095.09	1/2	748.80	1/2	389.44	1/2	40.29	1/2		1/2	
3/4	2,519.03	3/4	2,159.85	3/4	1,800.62	3/4	1,441.67	3/4	1,087.94	3/4	741.31	3/4	381.95	3/4	35.91	3/4		3/4	
3	2,511.55	3	2,152.37	3	1,793.14	3	1,434.25	3	1,080.79	3	733.83	3	374.46	3	31.54	3		3	
1/4	2,504.06	1/4	2,144.88	1/4	1,785.65	1/4	1,426.82	1/4	1,073.64	1/4	726.34	1/4	366.98	1/4	27.17	1/4		1/4	
1/2	2,496.58	1/2	2,137.40	1/2	1,778.17	1/2	1,419.40	1/2	1,066.49	1/2	718.85	1/2	359.49	1/2	22.80	1/2		1/2	
3/4	2,489.10	3/4	2,129.92	3/4	1,770.68	3/4	1,411.98	3/4	1,059.34	3/4	711.37	3/4	352.00	3/4		3/4		3/4	
4	2,481.61	4	2,122.44	4	1,763.20	4	1,404.55	4	1,052.19	4	703.88	4	344.52	4		4		4	
1/4	2,474.13	1/4	2,114.95	1/4	1,755.71	1/4	1,397.13	1/4	1,045.04	1/4	696.39	1/4	337.03	1/4		1/4		1/4	
1/2	2,466.65	1/2	2,107.47	1/2	1,748.23	1/2	1,389.71	1/2	1,037.89	1/2	688.91	1/2	329.54	1/2		1/2		1/2	
3/4	2,459.17	3/4	2,099.99	3/4	1,740.74	3/4	1,382.29	3/4	1,030.74	3/4	681.42	3/4	322.06	3/4		3/4		3/4	
5	2,451.68	5	2,092.50	5	1,733.26	5	1,374.86	5	1,023.60	5	673.93	5	314.57	5		5		5	
1/4	2,444.20	1/4	2,085.02	1/4	1,725.78	1/4	1,367.44	1/4	1,016.45	1/4	666.45	1/4	307.08	1/4		1/4		1/4	
1/2	2,436.72	1/2	2,077.54	1/2	1,718.29	1/2	1,360.02	1/2	1,009.30	1/2	658.96	1/2	299.60	1/2		1/2		1/2	
3/4	2,429.23	3/4	2,070.05	3/4	1,710.81	3/4	1,352.59	3/4	1,002.15	3/4	651.47	3/4	292.11	3/4		3/4		3/4	
6	2,421.75	6	2,062.57	6	1,703.32	6	1,345.17	6	995.00	6	643.99	6	284.62	6		6		6	
1/4	2,414.27	1/4	2,055.09	1/4	1,695.84	1/4	1,337.75	1/4	987.85	1/4	636.50	1/4	277.14	1/4		1/4		1/4	
1/2	2,406.79	1/2	2,047.61	1/2	1,688.35	1/2	1,330.33	1/2	980.70	1/2	629.01	1/2	269.65	1/2		1/2		1/2	
3/4	2,399.30	3/4	2,040.12	3/4	1,680.87	3/4	1,322.90	3/4	973.55	3/4	621.53	3/4	262.16	3/4		3/4		3/4	
7	2,391.82	7	2,032.64	7	1,673.38	7	1,315.48	7	966.40	7	614.04	7	254.68	7		7		7	
1/4	2,384.34	1/4	2,025.16	1/4	1,665.90	1/4	1,308.06	1/4	959.25	1/4	606.55	1/4	247.19	1/4		1/4		1/4	
1/2	2,376.85	1/2	2,017.67	1/2	1,658.41	1/2	1,300.63	1/2	952.10	1/2	599.07	1/2	239.70	1/2		1/2		1/2	
3/4	2,369.37	3/4	2,010.19	3/4	1,650.93	3/4	1,293.21	3/4	944.96	3/4	591.58	3/4	232.22	3/4		3/4		3/4	
8	2,361.89	8	2,002.71	8	1,643.44	8	1,285.79	8	937.81	8	584.09	8	224.73	8		8		8	
1/4	2,354.40	1/4	1,995.22	1/4	1,635.96	1/4	1,278.36	1/4	930.66	1/4	576.61	1/4	217.24	1/4		1/4		1/4	
1/2	2,346.92	1/2	1,987.74	1/2	1,628.48	1/2	1,270.94	1/2	923.51	1/2	569.12	1/2	209.76	1/2		1/2		1/2	
3/4	2,339.44	3/4	1,980.25	3/4	1,620.99	3/4	1,263.52	3/4	916.36	3/4	561.63	3/4	202.27	3/4		3/4		3/4	
9	2,331.96	9	1,972.77	9	1,613.51	9	1,256.10	9	909.20	9	554.15	9	194.78	9		9		9	
1/4	2,324.47	1/4	1,965.28	1/4	1,606.02	1/4	1,248.67	1/4	902.05	1/4	546.66	1/4	187.30	1/4		1/4		1/4	
1/2	2,316.99	1/2	1,957.80	1/2	1,598.54	1/2	1,241.25	1/2	894.90	1/2	539.17	1/2	179.81	1/2		1/2		1/2	
3/4	2,309.51	3/4	1,950.31	3/4	1,591.05	3/4	1,233.84	3/4	887.73	3/4	531.68	3/4	172.32	3/4		3/4		3/4	
10	2,302.02	10	1,942.83	10	1,583.57	10	1,226.44	10	880.55	10	524.20	10	164.84	10		10		10	
1/4	2,294.54	1/4	1,935.34	1/4	1,576.08	1/4	1,219.03	1/4	873.38	1/4	516.71	1/4	157.35	1/4		1/4		1/4	
1/2	2,287.06	1/2	1,927.86	1/2	1,568.60	1/2	1,211.62	1/2	866.20	1/2	509.22	1/2	149.87	1/2		1/2		1/2	
3/4	2,279.58	3/4	1,920.37	3/4	1,561.11	3/4	1,204.22	3/4	859.03	3/4	501.74	3/4	142.39	3/4		3/4		3/4	
11	2,272.09	11	1,912.89	11	1,553.63	11	1,196.82	11	851.85	11	494.25	11	134.90	11		11		11	
1/4	2,264.61	1/4	1,905.41	1/4	1,546.14	1/4	1,189.41	1/4	844.68	1/4	486.76	1/4	127.42	1/4		1/4		1/4	
1/2	2,257.13	1/2	1,897.92	1/2	1,538.66	1/2	1,182.01	1/2	837.50	1/2	479.28	1/2	119.94	1/2		1/2		1/2	
3/4	2,249.64	3/4	1,890.44	3/4	1,531.18	3/4	1,174.58	3/4	830.30	3/4	471.79	3/4	112.49	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2013 CL - SW
RECALCULATED: 08/23/2023 JS
VERIFIED: 08/17/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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