



BARGE "KIRBY 29069"

ULLAGE TRIM TABLE
FORMERLY "HBC 302"

	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	- 00-1/8	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	- 00-3/8	00-3/8
1 STBD	- 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	- 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	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
3 PORT	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-1/2	- 03-1/2
3 STBD	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-1/2	- 03-1/2

(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'-03"

April 8, 2021

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

<http://www.pmacorp.net>



BARGE "KIRBY 29069"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 302

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		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	5,170.54	0	4,810.32	0	4,448.17	0	4,085.53	0	3,722.90	0	3,360.26	0	2,997.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,163.09	1/4	4,802.79	1/4	4,440.61	1/4	4,077.98	1/4	3,715.34	1/4	3,352.71	1/4	2,990.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,155.65	1/2	4,795.27	1/2	4,433.06	1/2	4,070.42	1/2	3,707.79	1/2	3,345.15	1/2	2,982.51		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,148.20	3/4	4,787.74	3/4	4,425.50	3/4	4,062.87	3/4	3,700.23	3/4	3,337.60	3/4	2,974.95		
1		1		1		1	5,140.76	1	4,780.22	1	4,417.95	1	4,055.31	1	3,692.68	1	3,330.04	1	2,967.39		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,133.31	1/4	4,772.69	1/4	4,410.39	1/4	4,047.76	1/4	3,685.12	1/4	3,322.49	1/4	2,959.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,125.87	1/2	4,765.16	1/2	4,402.84	1/2	4,040.20	1/2	3,677.57	1/2	3,314.93	1/2	2,952.27		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,118.43	3/4	4,757.64	3/4	4,395.28	3/4	4,032.65	3/4	3,670.01	3/4	3,307.38	3/4	2,944.71		
2		2		2		2	5,110.98	2	4,750.11	2	4,387.73	2	4,025.09	2	3,662.46	2	3,299.82	2	2,937.15		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,103.54	1/4	4,742.59	1/4	4,380.17	1/4	4,017.54	1/4	3,654.90	1/4	3,292.27	1/4	2,929.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,096.09	1/2	4,735.06	1/2	4,372.62	1/2	4,009.98	1/2	3,647.35	1/2	3,284.71	1/2	2,922.03		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,088.65	3/4	4,727.54	3/4	4,365.06	3/4	4,002.43	3/4	3,639.79	3/4	3,277.16	3/4	2,914.46		
3		3		3		3	5,081.20	3	4,720.01	3	4,357.51	3	3,994.87	3	3,632.24	3	3,269.60	3	2,906.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,073.69	1/4	4,712.48	1/4	4,349.95	1/4	3,987.32	1/4	3,624.68	1/4	3,262.05	1/4	2,899.34		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,066.17	1/2	4,704.96	1/2	4,342.40	1/2	3,979.76	1/2	3,617.13	1/2	3,254.49	1/2	2,891.78		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,058.66	3/4	4,697.43	3/4	4,334.84	3/4	3,972.21	3/4	3,609.57	3/4	3,246.94	3/4	2,884.22		
4		4		4		4	5,051.14	4	4,689.91	4	4,327.29	4	3,964.65	4	3,602.02	4	3,239.38	4	2,876.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,043.61	1/4	4,682.36	1/4	4,319.73	1/4	3,957.10	1/4	3,594.46	1/4	3,231.83	1/4	2,869.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,036.09	1/2	4,674.81	1/2	4,312.18	1/2	3,949.54	1/2	3,586.91	1/2	3,224.27	1/2	2,861.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,028.56	3/4	4,667.26	3/4	4,304.62	3/4	3,941.99	3/4	3,579.35	3/4	3,216.72	3/4	2,853.98		
5		5		5		5	5,021.04	5	4,659.70	5	4,297.07	5	3,934.43	5	3,571.80	5	3,209.16	5	2,846.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,013.51	1/4	4,652.15	1/4	4,289.51	1/4	3,926.88	1/4	3,564.24	1/4	3,201.61	1/4	2,838.86		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,005.99	1/2	4,644.59	1/2	4,281.96	1/2	3,919.32	1/2	3,556.69	1/2	3,194.05	1/2	2,831.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,998.46	3/4	4,637.04	3/4	4,274.40	3/4	3,911.77	3/4	3,549.13	3/4	3,186.50	3/4	2,823.74		
6		6		6		6	4,990.93	6	4,629.48	6	4,266.85	6	3,904.21	6	3,541.58	6	3,178.94	6	2,816.18		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,983.41	1/4	4,621.93	1/4	4,259.29	1/4	3,896.66	1/4	3,534.02	1/4	3,171.39	1/4	2,808.62		
1/2	1/2	1/2	5,309.88	1/2	4,975.88	1/2	4,614.38	1/2	4,251.74	1/2	3,889.10	1/2	3,526.47	1/2	3,163.83	1/2	2,801.05				
3/4	3/4	3/4	5,306.34	3/4	4,968.36	3/4	4,606.82	3/4	4,244.19	3/4	3,881.55	3/4	3,518.91	3/4	3,156.28	3/4	2,793.49				
7		7		7		7	5,302.81	7	4,960.83	7	4,599.27	7	4,236.63	7	3,873.99	7	3,511.36	7	3,148.72	7	2,785.93
1/4	1/4	1/4	5,298.01	1/4	4,953.31	1/4	4,591.71	1/4	4,229.08	1/4	3,866.44	1/4	3,503.80	1/4	3,141.17	1/4	2,778.37				
1/2	1/2	1/2	5,293.21	1/2	4,945.78	1/2	4,584.16	1/2	4,221.52	1/2	3,858.89	1/2	3,496.25	1/2	3,133.61	1/2	2,770.81				
3/4	3/4	3/4	5,288.41	3/4	4,938.26	3/4	4,576.60	3/4	4,213.97	3/4	3,851.33	3/4	3,488.70	3/4	3,126.06	3/4	2,763.24				
8		8		8		8	5,283.61	8	4,930.73	8	4,569.05	8	4,206.41	8	3,843.78	8	3,481.14	8	3,118.50	8	2,755.68
1/4	1/4	1/4	5,277.55	1/4	4,923.20	1/4	4,561.49	1/4	4,198.86	1/4	3,836.22	1/4	3,473.59	1/4	3,110.95	1/4	2,748.12				
1/2	1/2	1/2	5,271.49	1/2	4,915.68	1/2	4,553.94	1/2	4,191.30	1/2	3,828.67	1/2	3,466.03	1/2	3,103.40	1/2	2,740.56				
3/4	3/4	3/4	5,265.43	3/4	4,908.15	3/4	4,546.38	3/4	4,183.75	3/4	3,821.11	3/4	3,458.48	3/4	3,095.84	3/4	2,733.00				
9		9		9		9	5,259.37	9	4,900.63	9	4,538.83	9	4,176.19	9	3,813.56	9	3,450.92	9	3,088.29	9	2,725.44
1/4	1/4	1/4	5,252.06	1/4	4,893.10	1/4	4,531.27	1/4	4,168.64	1/4	3,806.00	1/4	3,443.37	1/4	3,080.73	1/4	2,717.88				
1/2	1/2	1/2	5,244.74	1/2	4,885.58	1/2	4,523.72	1/2	4,161.08	1/2	3,798.45	1/2	3,435.81	1/2	3,073.18	1/2	2,710.32				
3/4	3/4	3/4	5,237.42	3/4	4,878.05	3/4	4,516.16	3/4	4,153.53	3/4	3,790.89	3/4	3,428.26	3/4	3,065.62	3/4	2,702.75				
10		10		10		10	5,230.11	10	4,870.52	10	4,508.61	10	4,145.97	10	3,783.34	10	3,420.70	10	3,058.07	10	2,695.19
1/4	1/4	1/4	5,222.66	1/4	4,863.00	1/4	4,501.05	1/4	4,138.42	1/4	3,775.78	1/4	3,413.15	1/4	3,050.51	1/4	2,687.63				
1/2	1/2	1/2	5,215.21	1/2	4,855.47	1/2	4,493.50	1/2	4,130.86	1/2	3,768.23	1/2	3,405.59	1/2	3,042.96	1/2	2,680.07				
3/4	3/4	3/4	5,207.76	3/4	4,847.95	3/4	4,485.94	3/4	4,123.31	3/4	3,760.67	3/4	3,398.04	3/4	3,035.40	3/4	2,672.51				
11		11		11		11	5,200.31	11	4,840.42	11	4,478.39	11	4,115.75	11	3,390.48	11	3,027.85	11	2,664.95		
1/4	1/4	1/4	5,192.87	1/4	4,832.90	1/4	4,470.83	1/4	4,108.20	1/4	3,745.56	1/4	3,382.93	1/4	3,020.29	1/4	2,657.39				
1/2	1/2	1/2	5,185.43	1/2	4,825.37	1/2	4,463.28	1/2	4,100.64	1/2	3,738.01	1/2	3,375.37	1/2	3,012.74	1/2	2,649.83				
3/4	3/4	3/4	5,177.98	3/4	4,817.84	3/4	4,455.72	3/4	4,093.09	3/4	3,730.45	3/4	3,367.82	3/4	3,005.18	3/4	2,642.26				

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29069"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 302

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	2,634.70	0	2,271.76	0	1,908.82	0	1,545.88	0	1,182.93	0	820.45	0	457.52	0	94.75	0		0	
1/4	2,627.14	1/4	2,264.20	1/4	1,901.26	1/4	1,538.31	1/4	1,175.38	1/4	812.89	1/4	449.96	1/4	87.75	1/4		1/4	
1/2	2,619.58	1/2	2,256.64	1/2	1,893.70	1/2	1,530.75	1/2	1,167.83	1/2	805.33	1/2	442.40	1/2	80.74	1/2		1/2	
3/4	2,612.02	3/4	2,249.08	3/4	1,886.13	3/4	1,523.19	3/4	1,160.28	3/4	797.77	3/4	434.84	3/4	73.74	3/4		3/4	
1	2,604.46	1	2,241.51	1	1,878.57	1	1,515.63	1	1,152.73	1	790.21	1	427.28	1	66.73	1		1	
1/4	2,596.90	1/4	2,233.95	1/4	1,871.01	1/4	1,508.07	1/4	1,145.18	1/4	782.65	1/4	419.71	1/4	60.90	1/4		1/4	
1/2	2,589.33	1/2	2,226.39	1/2	1,863.45	1/2	1,500.51	1/2	1,137.63	1/2	775.09	1/2	412.15	1/2	55.08	1/2		1/2	
3/4	2,581.77	3/4	2,218.83	3/4	1,855.89	3/4	1,492.95	3/4	1,130.08	3/4	767.53	3/4	404.59	3/4	49.25	3/4		3/4	
2	2,574.21	2	2,211.27	2	1,848.33	2	1,485.38	2	1,122.53	2	759.96	2	397.03	2	43.42	2		2	
1/4	2,566.65	1/4	2,203.71	1/4	1,840.77	1/4	1,477.82	1/4	1,114.98	1/4	752.40	1/4	389.47	1/4	38.85	1/4		1/4	
1/2	2,559.09	1/2	2,196.15	1/2	1,833.20	1/2	1,470.26	1/2	1,107.43	1/2	744.84	1/2	381.91	1/2	34.28	1/2		1/2	
3/4	2,551.53	3/4	2,188.59	3/4	1,825.64	3/4	1,462.70	3/4	1,099.88	3/4	737.28	3/4	374.35	3/4	29.72	3/4		3/4	
3	2,543.97	3	2,181.02	3	1,818.08	3	1,455.14	3	1,092.33	3	729.72	3	366.79	3	25.14	3		3	
1/4	2,536.41	1/4	2,173.46	1/4	1,810.52	1/4	1,447.58	1/4	1,084.78	1/4	722.16	1/4	359.23	1/4		1/4		1/4	
1/2	2,528.84	1/2	2,165.90	1/2	1,802.96	1/2	1,440.02	1/2	1,077.23	1/2	714.60	1/2	351.66	1/2		1/2		1/2	
3/4	2,521.28	3/4	2,158.34	3/4	1,795.40	3/4	1,432.46	3/4	1,069.68	3/4	707.04	3/4	344.10	3/4		3/4		3/4	
4	2,513.72	4	2,150.78	4	1,787.84	4	1,424.89	4	1,062.13	4	699.48	4	336.54	4		4		4	
1/4	2,506.16	1/4	2,143.22	1/4	1,780.28	1/4	1,417.33	1/4	1,054.58	1/4	691.91	1/4	328.98	1/4		1/4		1/4	
1/2	2,498.60	1/2	2,135.66	1/2	1,772.71	1/2	1,409.77	1/2	1,047.03	1/2	684.35	1/2	321.42	1/2		1/2		1/2	
3/4	2,491.04	3/4	2,128.10	3/4	1,765.15	3/4	1,402.21	3/4	1,039.48	3/4	676.79	3/4	313.86	3/4		3/4		3/4	
5	2,483.48	5	2,120.53	5	1,757.59	5	1,394.65	5	1,031.93	5	669.23	5	306.30	5		5		5	
1/4	2,475.92	1/4	2,112.97	1/4	1,750.03	1/4	1,387.09	1/4	1,024.38	1/4	661.67	1/4	298.74	1/4		1/4		1/4	
1/2	2,468.35	1/2	2,105.41	1/2	1,742.47	1/2	1,379.53	1/2	1,016.83	1/2	654.11	1/2	291.18	1/2		1/2		1/2	
3/4	2,460.79	3/4	2,097.85	3/4	1,734.91	3/4	1,371.97	3/4	1,009.28	3/4	646.55	3/4	283.61	3/4		3/4		3/4	
6	2,453.23	6	2,090.29	6	1,727.35	6	1,364.40	6	1,001.73	6	638.99	6	276.05	6		6		6	
1/4	2,445.67	1/4	2,082.73	1/4	1,719.79	1/4	1,356.84	1/4	994.18	1/4	631.43	1/4	268.49	1/4		1/4		1/4	
1/2	2,438.11	1/2	2,075.17	1/2	1,712.22	1/2	1,349.28	1/2	986.63	1/2	623.86	1/2	260.93	1/2		1/2		1/2	
3/4	2,430.55	3/4	2,067.61	3/4	1,704.66	3/4	1,341.72	3/4	979.08	3/4	616.30	3/4	253.37	3/4		3/4		3/4	
7	2,422.99	7	2,060.04	7	1,697.10	7	1,334.16	7	971.53	7	608.74	7	245.81	7		7		7	
1/4	2,415.42	1/4	2,052.48	1/4	1,689.54	1/4	1,326.60	1/4	963.98	1/4	601.18	1/4	238.25	1/4		1/4		1/4	
1/2	2,407.86	1/2	2,044.92	1/2	1,681.98	1/2	1,319.04	1/2	956.43	1/2	593.62	1/2	230.69	1/2		1/2		1/2	
3/4	2,400.30	3/4	2,037.36	3/4	1,674.42	3/4	1,311.48	3/4	948.88	3/4	586.06	3/4	223.13	3/4		3/4		3/4	
8	2,392.74	8	2,029.80	8	1,666.86	8	1,303.91	8	941.33	8	578.50	8	215.56	8		8		8	
1/4	2,385.18	1/4	2,022.24	1/4	1,659.29	1/4	1,296.35	1/4	933.78	1/4	570.94	1/4	208.00	1/4		1/4		1/4	
1/2	2,377.62	1/2	2,014.68	1/2	1,651.73	1/2	1,288.79	1/2	926.23	1/2	563.38	1/2	200.44	1/2		1/2		1/2	
3/4	2,370.06	3/4	2,007.11	3/4	1,644.17	3/4	1,281.23	3/4	918.68	3/4	555.81	3/4	192.88	3/4		3/4		3/4	
9	2,362.50	9	1,999.55	9	1,636.61	9	1,273.67	9	911.13	9	548.25	9	185.32	9		9		9	
1/4	2,354.93	1/4	1,991.99	1/4	1,629.05	1/4	1,266.11	1/4	903.58	1/4	540.69	1/4	177.76	1/4		1/4		1/4	
1/2	2,347.37	1/2	1,984.43	1/2	1,621.49	1/2	1,258.55	1/2	896.03	1/2	533.13	1/2	170.20	1/2		1/2		1/2	
3/4	2,339.81	3/4	1,976.87	3/4	1,613.93	3/4	1,250.98	3/4	888.48	3/4	525.57	3/4	162.64	3/4		3/4		3/4	
10	2,332.25	10	1,969.31	10	1,606.37	10	1,243.42	10	880.93	10	518.01	10	155.08	10		10		10	
1/4	2,324.69	1/4	1,961.75	1/4	1,598.80	1/4	1,235.86	1/4	873.37	1/4	510.45	1/4	147.52	1/4		1/4		1/4	
1/2	2,317.13	1/2	1,954.19	1/2	1,591.24	1/2	1,228.30	1/2	865.81	1/2	502.89	1/2	139.97	1/2		1/2		1/2	
3/4	2,309.57	3/4	1,946.62	3/4	1,583.68	3/4	1,220.74	3/4	858.26	3/4	495.33	3/4	132.42	3/4		3/4		3/4	
11	2,302.01	11	1,939.06	11	1,576.12	11	1,213.18	11	850.70	11	487.76	11	124.87	11		11		11	
1/4	2,294.44	1/4	1,931.50	1/4	1,568.56	1/4	1,205.62	1/4	843.14	1/4	480.20	1/4	117.34	1/4		1/4		1/4	
1/2	2,286.88	1/2	1,923.94	1/2	1,561.00	1/2	1,198.06	1/2	835.58	1/2	472.64	1/2	109.81	1/2		1/2		1/2	
3/4	2,279.32	3/4	1,916.38	3/4	1,553.44	3/4	1,190.49	3/4	828.01	3/4	465.08	3/4	102.28	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 PMA
RECALCULATED: 04/09/2021 PMA
NAME CHANGE: 04/09/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

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



BARGE "KIRBY 29069"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 302

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		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0	5,168.64	0	4,808.42	0	4,446.27	0	4,083.63	0	3,721.00	0	3,358.36	0	2,995.73				
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,161.19	1/4	4,800.89	1/4	4,438.71	1/4	4,076.08	1/4	3,713.44	1/4	3,350.81	1/4	2,988.17				
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,153.75	1/2	4,793.37	1/2	4,431.16	1/2	4,068.52	1/2	3,705.89	1/2	3,343.25	1/2	2,980.61				
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,146.30	3/4	4,785.84	3/4	4,423.60	3/4	4,060.97	3/4	3,698.33	3/4	3,335.70	3/4	2,973.05				
1		1		1		1	5,138.86	1	4,778.32	1	4,416.05	1	4,053.41	1	3,690.78	1	3,328.14	1	2,965.49				
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,131.42	1/4	4,770.79	1/4	4,408.49	1/4	4,045.86	1/4	3,683.22	1/4	3,320.59	1/4	2,957.93				
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,123.97	1/2	4,763.26	1/2	4,400.94	1/2	4,038.30	1/2	3,675.67	1/2	3,313.03	1/2	2,950.37				
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,116.53	3/4	4,755.74	3/4	4,393.38	3/4	4,030.75	3/4	3,668.11	3/4	3,305.48	3/4	2,942.81				
2		2		2		2	5,109.08	2	4,748.21	2	4,385.83	2	4,023.19	2	3,660.56	2	3,297.92	2	2,935.25				
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,101.64	1/4	4,740.69	1/4	4,378.27	1/4	4,015.64	1/4	3,653.00	1/4	3,290.37	1/4	2,927.69				
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,094.19	1/2	4,733.16	1/2	4,370.72	1/2	4,008.08	1/2	3,645.45	1/2	3,282.81	1/2	2,920.13				
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,086.75	3/4	4,725.64	3/4	4,363.16	3/4	4,000.53	3/4	3,637.89	3/4	3,275.26	3/4	2,912.56				
3		3		3		3	5,079.30	3	4,718.11	3	4,355.61	3	3,992.97	3	3,630.34	3	3,267.70	3	2,905.00				
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,071.79	1/4	4,710.58	1/4	4,348.05	1/4	3,985.42	1/4	3,622.78	1/4	3,260.15	1/4	2,897.44				
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,064.27	1/2	4,703.06	1/2	4,340.50	1/2	3,977.86	1/2	3,615.23	1/2	3,252.59	1/2	2,889.88				
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,056.76	3/4	4,695.53	3/4	4,332.94	3/4	3,970.31	3/4	3,607.67	3/4	3,245.04	3/4	2,882.32				
4		4		4		4	5,049.24	4	4,688.01	4	4,325.39	4	3,962.75	4	3,600.12	4	3,237.48	4	2,874.76				
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,041.72	1/4	4,680.46	1/4	4,317.83	1/4	3,955.20	1/4	3,592.56	1/4	3,229.93	1/4	2,867.20				
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,034.19	1/2	4,672.91	1/2	4,310.28	1/2	3,947.64	1/2	3,585.01	1/2	3,222.37	1/2	2,859.64				
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,026.66	3/4	4,665.36	3/4	4,302.72	3/4	3,940.09	3/4	3,577.45	3/4	3,214.82	3/4	2,852.08				
5		5		5		5	5,019.14	5	4,657.80	5	4,295.17	5	3,932.53	5	3,569.90	5	3,207.26	5	2,844.52				
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,011.61	1/4	4,650.25	1/4	4,287.61	1/4	3,924.98	1/4	3,562.34	1/4	3,199.71	1/4	2,836.96				
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,004.09	1/2	4,642.70	1/2	4,280.06	1/2	3,917.42	1/2	3,554.79	1/2	3,192.15	1/2	2,829.40				
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,996.56	3/4	4,635.14	3/4	4,272.50	3/4	3,909.87	3/4	3,547.23	3/4	3,184.60	3/4	2,821.84				
6		6		6		6	4,989.04	6	4,627.59	6	4,264.95	6	3,902.31	6	3,539.68	6	3,177.04	6	2,814.28				
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,981.51	1/4	4,620.03	1/4	4,257.40	1/4	3,894.76	1/4	3,532.12	1/4	3,169.49	1/4	2,806.72				
1/2	1/2	1/2	5,307.98	1/2	4,973.98	1/2	4,612.48	1/2	4,249.84	1/2	3,887.20	1/2	3,524.57	1/2	3,161.93	1/2	2,799.15						
3/4	3/4	3/4	5,304.44	3/4	4,966.46	3/4	4,604.92	3/4	4,242.29	3/4	3,879.65	3/4	3,517.01	3/4	3,154.38	3/4	2,791.59						
7		7		7		7	5,300.91	7	4,958.93	7	4,597.37	7	4,234.73	7	3,872.10	7	3,509.46	7	3,146.82	7	2,784.03		
1/4	1/4	1/4	5,296.11	1/4	4,951.41	1/4	4,589.81	1/4	4,227.18	1/4	3,864.54	1/4	3,501.91	1/4	3,139.27	1/4	2,776.47						
1/2	1/2	1/2	5,291.31	1/2	4,943.88	1/2	4,582.26	1/2	4,219.62	1/2	3,856.99	1/2	3,494.35	1/2	3,131.71	1/2	2,768.91						
3/4	3/4	3/4	5,286.51	3/4	4,936.36	3/4	4,574.70	3/4	4,212.07	3/4	3,849.43	3/4	3,486.80	3/4	3,124.16	3/4	2,761.34						
8		8		8		8	5,281.71	8	4,928.83	8	4,567.15	8	4,204.51	8	3,841.88	8	3,479.24	8	3,116.61	8	2,753.78		
1/4	1/4	1/4	5,275.65	1/4	4,921.30	1/4	4,559.59	1/4	4,196.96	1/4	3,834.32	1/4	3,471.69	1/4	3,109.05	1/4	2,746.22						
1/2	1/2	1/2	5,269.59	1/2	4,913.78	1/2	4,552.04	1/2	4,189.40	1/2	3,826.77	1/2	3,464.13	1/2	3,101.50	1/2	2,738.66						
3/4	3/4	3/4	5,263.53	3/4	4,906.25	3/4	4,544.48	3/4	4,181.85	3/4	3,819.21	3/4	3,456.58	3/4	3,093.94	3/4	2,731.10						
9		9		9		9	5,257.47	9	4,898.73	9	4,536.93	9	4,174.29	9	3,811.66	9	3,449.02	9	3,086.39	9	2,723.54		
1/4	1/4	1/4	5,250.16	1/4	4,891.20	1/4	4,529.37	1/4	4,166.74	1/4	3,804.10	1/4	3,441.47	1/4	3,078.83	1/4	2,715.98						
1/2	1/2	1/2	5,242.84	1/2	4,883.68	1/2	4,521.82	1/2	4,159.18	1/2	3,796.55	1/2	3,433.91	1/2	3,071.28	1/2	2,708.42						
3/4	3/4	3/4	5,235.52	3/4	4,876.15	3/4	4,514.26	3/4	4,151.63	3/4	3,788.99	3/4	3,426.36	3/4	3,063.72	3/4	2,700.85						
10		10		10		10	5,228.21	10	4,868.62	10	4,506.71	10	4,144.07	10	3,781.44	10	3,418.80	10	3,056.17	10	2,693.29		
1/4	1/4	1/4	5,220.76	1/4	4,861.10	1/4	4,499.15	1/4	4,136.52	1/4	3,773.88	1/4	3,411.25	1/4	3,048.61	1/4	2,685.73						
1/2	1/2	1/2	5,213.31	1/2	4,853.57	1/2	4,491.60	1/2	4,128.96	1/2	3,766.33	1/2	3,403.69	1/2	3,041.06	1/2	2,678.17						
3/4	3/4	3/4	5,205.86	3/4	4,846.05	3/4	4,484.04	3/4	4,121.41	3/4	3,758.77	3/4	3,396.14	3/4	3,033.50	3/4	2,670.61						
11		11		11		11	5,198.42	11	4,838.52	11	4,476.49	11	4,113.85	11	3,751.22	11	3,388.58	11	3,025.95	11	2,663.05		
1/4	1/4	1/4	5,190.97	1/4	4,831.00	1/4	4,468.93	1/4	4,106.30	1/4	3,743.66	1/4	3,381.03	1/4	3,018.39	1/4	2,655.49						
1/2	1/2	1/2	5,183.53	1/2	4,823.47	1/2	4,461.38	1/2	4,098.74	1/2	3,736.11	1/2	3,373.47	1/2	3,010.84	1/2	2,647.93						
3/4	3/4	3/4	5,176.08	3/4	4,815.94	3/4	4,453.82	3/4	4,091.19	3/4	3,728.55	3/4	3,365.92	3/4	3,003.28	3/4	2,640.36						

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29069"

**1 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 302

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	2,632.80	0	2,269.86	0	1,906.92	0	1,543.98	0	1,181.03	0	820.42	0	457.52	0	94.75	0		0	
1/4	2,625.24	1/4	2,262.30	1/4	1,899.36	1/4	1,536.41	1/4	1,173.52	1/4	812.87	1/4	449.96	1/4	87.74	1/4		1/4	
1/2	2,617.68	1/2	2,254.74	1/2	1,891.80	1/2	1,528.85	1/2	1,166.00	1/2	805.31	1/2	442.39	1/2	80.74	1/2		1/2	
3/4	2,610.12	3/4	2,247.18	3/4	1,884.23	3/4	1,521.29	3/4	1,158.48	3/4	797.76	3/4	434.83	3/4	73.73	3/4		3/4	
1	2,602.56	1	2,239.62	1	1,876.67	1	1,513.73	1	1,150.96	1	790.21	1	427.27	1	66.73	1		1	
1/4	2,595.00	1/4	2,232.05	1/4	1,869.11	1/4	1,506.17	1/4	1,143.45	1/4	782.64	1/4	419.71	1/4	60.90	1/4		1/4	
1/2	2,587.43	1/2	2,224.49	1/2	1,861.55	1/2	1,498.61	1/2	1,135.94	1/2	775.08	1/2	412.15	1/2	55.07	1/2		1/2	
3/4	2,579.87	3/4	2,216.93	3/4	1,853.99	3/4	1,491.05	3/4	1,128.43	3/4	767.52	3/4	404.59	3/4	49.24	3/4		3/4	
2	2,572.31	2	2,209.37	2	1,846.43	2	1,483.49	2	1,120.92	2	759.96	2	397.03	2	43.42	2		2	
1/4	2,564.75	1/4	2,201.81	1/4	1,838.87	1/4	1,475.92	1/4	1,113.41	1/4	752.40	1/4	389.47	1/4	38.85	1/4		1/4	
1/2	2,557.19	1/2	2,194.25	1/2	1,831.30	1/2	1,468.36	1/2	1,105.90	1/2	744.84	1/2	381.91	1/2	34.28	1/2		1/2	
3/4	2,549.63	3/4	2,186.69	3/4	1,823.74	3/4	1,460.80	3/4	1,098.39	3/4	737.28	3/4	374.35	3/4	29.71	3/4		3/4	
3	2,542.07	3	2,179.12	3	1,816.18	3	1,453.24	3	1,090.88	3	729.72	3	366.78	3	25.14	3		3	
1/4	2,534.51	1/4	2,171.56	1/4	1,808.62	1/4	1,445.68	1/4	1,083.37	1/4	722.16	1/4	359.22	1/4		1/4		1/4	
1/2	2,526.94	1/2	2,164.00	1/2	1,801.06	1/2	1,438.12	1/2	1,075.86	1/2	714.59	1/2	351.66	1/2		1/2		1/2	
3/4	2,519.38	3/4	2,156.44	3/4	1,793.50	3/4	1,430.56	3/4	1,068.35	3/4	707.03	3/4	344.10	3/4		3/4		3/4	
4	2,511.82	4	2,148.88	4	1,785.94	4	1,422.99	4	1,060.84	4	699.47	4	336.54	4		4		4	
1/4	2,504.26	1/4	2,141.32	1/4	1,778.38	1/4	1,415.43	1/4	1,053.33	1/4	691.91	1/4	328.98	1/4		1/4		1/4	
1/2	2,496.70	1/2	2,133.76	1/2	1,770.81	1/2	1,407.87	1/2	1,045.82	1/2	684.35	1/2	321.42	1/2		1/2		1/2	
3/4	2,489.14	3/4	2,126.20	3/4	1,763.25	3/4	1,400.31	3/4	1,038.31	3/4	676.79	3/4	313.86	3/4		3/4		3/4	
5	2,481.58	5	2,118.63	5	1,755.69	5	1,392.75	5	1,030.80	5	669.23	5	306.30	5		5		5	
1/4	2,474.02	1/4	2,111.07	1/4	1,748.13	1/4	1,385.19	1/4	1,023.29	1/4	661.67	1/4	298.73	1/4		1/4		1/4	
1/2	2,466.45	1/2	2,103.51	1/2	1,740.57	1/2	1,377.63	1/2	1,015.78	1/2	654.11	1/2	291.17	1/2		1/2		1/2	
3/4	2,458.89	3/4	2,095.95	3/4	1,733.01	3/4	1,370.07	3/4	1,008.27	3/4	646.54	3/4	283.61	3/4		3/4		3/4	
6	2,451.33	6	2,088.39	6	1,725.45	6	1,362.50	6	1,000.76	6	638.98	6	276.05	6		6		6	
1/4	2,443.77	1/4	2,080.83	1/4	1,717.89	1/4	1,354.94	1/4	993.25	1/4	631.42	1/4	268.49	1/4		1/4		1/4	
1/2	2,436.21	1/2	2,073.27	1/2	1,710.32	1/2	1,347.38	1/2	985.74	1/2	623.86	1/2	260.93	1/2		1/2		1/2	
3/4	2,428.65	3/4	2,065.71	3/4	1,702.76	3/4	1,339.82	3/4	978.23	3/4	616.30	3/4	253.37	3/4		3/4		3/4	
7	2,421.09	7	2,058.14	7	1,695.20	7	1,332.26	7	970.71	7	608.74	7	245.81	7		7		7	
1/4	2,413.53	1/4	2,050.58	1/4	1,687.64	1/4	1,324.70	1/4	963.20	1/4	601.18	1/4	238.25	1/4		1/4		1/4	
1/2	2,405.96	1/2	2,043.02	1/2	1,680.08	1/2	1,317.14	1/2	955.69	1/2	593.62	1/2	230.68	1/2		1/2		1/2	
3/4	2,398.40	3/4	2,035.46	3/4	1,672.52	3/4	1,309.58	3/4	948.18	3/4	586.06	3/4	223.12	3/4		3/4		3/4	
8	2,390.84	8	2,027.90	8	1,664.96	8	1,302.01	8	940.67	8	578.49	8	215.56	8		8		8	
1/4	2,383.28	1/4	2,020.34	1/4	1,657.40	1/4	1,294.45	1/4	933.16	1/4	570.93	1/4	208.00	1/4		1/4		1/4	
1/2	2,375.72	1/2	2,012.78	1/2	1,649.83	1/2	1,286.89	1/2	925.65	1/2	563.37	1/2	200.44	1/2		1/2		1/2	
3/4	2,368.16	3/4	2,005.21	3/4	1,642.27	3/4	1,279.33	3/4	918.14	3/4	555.81	3/4	192.88	3/4		3/4		3/4	
9	2,360.60	9	1,997.65	9	1,634.71	9	1,271.77	9	910.63	9	548.25	9	185.32	9		9		9	
1/4	2,353.03	1/4	1,990.09	1/4	1,627.15	1/4	1,264.21	1/4	903.12	1/4	540.69	1/4	177.76	1/4		1/4		1/4	
1/2	2,345.47	1/2	1,982.53	1/2	1,619.59	1/2	1,256.65	1/2	895.61	1/2	533.13	1/2	170.20	1/2		1/2		1/2	
3/4	2,337.91	3/4	1,974.97	3/4	1,612.03	3/4	1,249.08	3/4	888.10	3/4	525.57	3/4	162.64	3/4		3/4		3/4	
10	2,330.35	10	1,967.41	10	1,604.47	10	1,241.52	10	880.59	10	518.01	10	155.07	10		10		10	
1/4	2,322.79	1/4	1,959.85	1/4	1,596.90	1/4	1,233.96	1/4	873.07	1/4	510.44	1/4	147.52	1/4		1/4		1/4	
1/2	2,315.23	1/2	1,952.29	1/2	1,589.34	1/2	1,226.40	1/2	865.55	1/2	502.88	1/2	139.97	1/2		1/2		1/2	
3/4	2,307.67	3/4	1,944.72	3/4	1,581.78	3/4	1,218.84	3/4	858.03	3/4	495.32	3/4	132.42	3/4		3/4		3/4	
11	2,300.11	11	1,937.16	11	1,574.22	11	1,211.28	11	850.51	11	487.76	11	124.86	11		11		11	
1/4	2,292.54	1/4	1,929.60	1/4	1,566.66	1/4	1,203.72	1/4	842.99	1/4	480.20	1/4	117.33	1/4		1/4		1/4	
1/2	2,284.98	1/2	1,922.04	1/2	1,559.10	1/2	1,196.16	1/2	835.47	1/2	472.64	1/2	109.80	1/2		1/2		1/2	
3/4	2,277.42	3/4	1,914.48	3/4	1,551.54	3/4	1,188.59	3/4	827.95	3/4	465.08	3/4	102.28	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 PMA
RECALCULATED: 04/09/2021 PMA
NAME CHANGE: 04/09/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

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



BARGE "KIRBY 29069"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 302

GAUGE HEIGHT 17'-02 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	5,139.21	0	4,779.96	0	4,418.89	0	4,057.39	0	3,695.89	0	3,334.38	0	2,972.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,131.79	1/4	4,772.46	1/4	4,411.36	1/4	4,049.86	1/4	3,688.36	1/4	3,326.85	1/4	2,965.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,124.37	1/2	4,764.96	1/2	4,403.83	1/2	4,042.33	1/2	3,680.82	1/2	3,319.32	1/2	2,957.79		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,116.95	3/4	4,757.46	3/4	4,396.30	3/4	4,034.79	3/4	3,673.29	3/4	3,311.79	3/4	2,950.25		
1		1		1		1	5,109.53	1	4,749.96	1	4,388.77	1	4,027.26	1	3,665.76	1	3,304.26	1	2,942.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,102.11	1/4	4,742.45	1/4	4,381.23	1/4	4,019.73	1/4	3,658.23	1/4	3,296.73	1/4	2,935.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,094.69	1/2	4,734.95	1/2	4,373.70	1/2	4,012.20	1/2	3,650.70	1/2	3,289.20	1/2	2,927.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,087.27	3/4	4,727.45	3/4	4,366.17	3/4	4,004.67	3/4	3,643.17	3/4	3,281.66	3/4	2,920.10		
2		2		2		2	5,079.85	2	4,719.95	2	4,358.64	2	3,997.14	2	3,635.64	2	3,274.13	2	2,912.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,072.43	1/4	4,712.45	1/4	4,351.11	1/4	3,989.61	1/4	3,628.10	1/4	3,266.60	1/4	2,905.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,065.01	1/2	4,704.94	1/2	4,343.58	1/2	3,982.08	1/2	3,620.57	1/2	3,259.07	1/2	2,897.49		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,057.51	3/4	4,697.44	3/4	4,336.05	3/4	3,974.54	3/4	3,613.04	3/4	3,251.54	3/4	2,889.96		
3		3		3		3	5,050.02	3	4,689.94	3	4,328.52	3	3,967.01	3	3,605.51	3	3,244.01	3	2,882.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,042.53	1/4	4,682.44	1/4	4,320.98	1/4	3,959.48	1/4	3,597.98	1/4	3,236.48	1/4	2,874.88		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,035.04	1/2	4,674.94	1/2	4,313.45	1/2	3,951.95	1/2	3,590.45	1/2	3,228.95	1/2	2,867.35		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,027.53	3/4	4,667.41	3/4	4,305.92	3/4	3,944.42	3/4	3,582.92	3/4	3,221.41	3/4	2,859.81		
4		4		4		4	5,020.03	4	4,659.88	4	4,298.39	4	3,936.89	4	3,575.39	4	3,213.88	4	2,852.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,012.53	1/4	4,652.36	1/4	4,290.86	1/4	3,929.36	1/4	3,567.85	1/4	3,206.35	1/4	2,844.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,005.03	1/2	4,644.83	1/2	4,283.33	1/2	3,921.83	1/2	3,560.32	1/2	3,198.82	1/2	2,837.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,997.53	3/4	4,637.30	3/4	4,275.80	3/4	3,914.29	3/4	3,552.79	3/4	3,191.29	3/4	2,829.66		
5		5		5		5	4,990.02	5	4,629.77	5	4,268.27	5	3,906.76	5	3,545.26	5	3,183.76	5	2,822.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,982.52	1/4	4,622.24	1/4	4,260.73	1/4	3,899.23	1/4	3,537.73	1/4	3,176.23	1/4	2,814.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,975.02	1/2	4,614.71	1/2	4,253.20	1/2	3,891.70	1/2	3,530.20	1/2	3,168.70	1/2	2,807.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,967.52	3/4	4,607.17	3/4	4,245.67	3/4	3,884.17	3/4	3,522.67	3/4	3,161.16	3/4	2,799.52		
6		6	5,292.95	6	4,960.01	6	4,599.64	6	4,238.14	6	3,876.64	6	3,515.14	6	3,153.63	6	2,791.98				
1/4	1/4	1/4	5,289.42	1/4	4,952.51	1/4	4,592.11	1/4	4,230.61	1/4	3,869.11	1/4	3,507.60	1/4	3,146.10	1/4	2,784.44				
1/2	1/2	1/2	5,285.90	1/2	4,945.01	1/2	4,584.58	1/2	4,223.08	1/2	3,861.58	1/2	3,500.07	1/2	3,138.57	1/2	2,776.90				
3/4	3/4	3/4	5,281.11	3/4	4,937.51	3/4	4,577.05	3/4	4,215.55	3/4	3,854.04	3/4	3,492.54	3/4	3,131.04	3/4	2,769.37				
7		7	5,276.33	7	4,930.01	7	4,569.52	7	4,208.01	7	3,846.51	7	3,485.01	7	3,123.51	7	2,761.83				
1/4	1/4	1/4	5,271.55	1/4	4,922.50	1/4	4,561.99	1/4	4,200.48	1/4	3,838.98	1/4	3,477.48	1/4	3,115.98	1/4	2,754.29				
1/2	1/2	1/2	5,266.77	1/2	4,915.00	1/2	4,554.45	1/2	4,192.95	1/2	3,831.45	1/2	3,469.95	1/2	3,108.45	1/2	2,746.76				
3/4	3/4	3/4	5,260.73	3/4	4,907.50	3/4	4,546.92	3/4	4,185.42	3/4	3,823.92	3/4	3,462.42	3/4	3,100.91	3/4	2,739.22				
8		8	5,254.69	8	4,900.00	8	4,539.39	8	4,177.89	8	3,816.39	8	3,454.88	8	3,093.38	8	2,731.68				
1/4	1/4	1/4	5,248.65	1/4	4,892.50	1/4	4,531.86	1/4	4,170.36	1/4	3,808.86	1/4	3,447.35	1/4	3,085.85	1/4	2,724.15				
1/2	1/2	1/2	5,242.61	1/2	4,884.99	1/2	4,524.33	1/2	4,162.83	1/2	3,801.32	1/2	3,439.82	1/2	3,078.32	1/2	2,716.61				
3/4	3/4	3/4	5,235.32	3/4	4,877.49	3/4	4,516.80	3/4	4,155.30	3/4	3,793.79	3/4	3,432.29	3/4	3,070.79	3/4	2,709.07				
9		9	5,228.02	9	4,869.99	9	4,509.27	9	4,147.76	9	3,786.26	9	3,424.76	9	3,063.26	9	2,701.54				
1/4	1/4	1/4	5,220.73	1/4	4,862.49	1/4	4,501.74	1/4	4,140.23	1/4	3,778.73	1/4	3,417.23	1/4	3,055.73	1/4	2,694.00				
1/2	1/2	1/2	5,213.44	1/2	4,854.99	1/2	4,494.20	1/2	4,132.70	1/2	3,771.20	1/2	3,409.70	1/2	3,048.19	1/2	2,686.46				
3/4	3/4	3/4	5,206.01	3/4	4,847.48	3/4	4,486.67	3/4	4,125.17	3/4	3,763.67	3/4	3,402.17	3/4	3,040.66	3/4	2,678.93				
10		10	5,198.59	10	4,839.98	10	4,479.14	10	4,117.64	10	3,756.14	10	3,394.63	10	3,033.13	10	2,671.39				
1/4	1/4	1/4	5,191.16	1/4	4,832.48	1/4	4,471.61	1/4	4,110.11	1/4	3,748.61	1/4	3,387.10	1/4	3,025.60	1/4	2,663.85				
1/2	1/2	1/2	5,183.74	1/2	4,824.98	1/2	4,464.08	1/2	4,102.58	1/2	3,741.07	1/2	3,379.57	1/2	3,018.07	1/2	2,656.32				
3/4	3/4	3/4	5,176.32	3/4	4,817.47	3/4	4,456.55	3/4	4,095.05	3/4	3,733.54	3/4	3,372.04	3/4	3,010.54	3/4	2,648.78				
11		11	5,168.90	11	4,809.97	11	4,449.02	11	4,087.51	11	3,726.01	11	3,364.51	11	3,003.01	11	2,641.24				
1/4	1/4	1/4	5,161.48	1/4	4,802.47	1/4	4,441.49	1/4	4,079.98	1/4	3,718.48	1/4	3,356.98	1/4	2,995.48	1/4	2,633.71				
1/2	1/2	1/2	5,154.06	1/2	4,794.97	1/2	4,433.95	1/2	4,072.45	1/2	3,710.95	1/2	3,349.45	1/2	2,987.94	1/2	2,626.17				
3/4	3/4	3/4	5,146.63	3/4	4,787.47	3/4	4,426.42	3/4	4,064.92	3/4	3,703.42	3/4	3,341.92	3/4	2,980.41	3/4	2,618.63				

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29069"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 302

GAUGE HEIGHT 17'-02 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	2,611.10	0	2,249.33	0	1,887.56	0	1,525.80	0	1,164.05	0	802.71	0	440.96	0	80.48	0		0	
1/4	2,603.56	1/4	2,241.79	1/4	1,880.03	1/4	1,518.26	1/4	1,156.52	1/4	795.18	1/4	433.42	1/4	73.50	1/4		1/4	
1/2	2,596.02	1/2	2,234.26	1/2	1,872.49	1/2	1,510.72	1/2	1,149.00	1/2	787.64	1/2	425.89	1/2	66.52	1/2		1/2	
3/4	2,588.48	3/4	2,226.72	3/4	1,864.95	3/4	1,503.19	3/4	1,141.47	3/4	780.10	3/4	418.35	3/4	60.71	3/4		3/4	
1	2,580.95	1	2,219.18	1	1,857.42	1	1,495.65	1	1,133.94	1	772.57	1	410.82	1	54.90	1		1	
1/4	2,573.41	1/4	2,211.64	1/4	1,849.88	1/4	1,488.11	1/4	1,126.42	1/4	765.03	1/4	403.28	1/4	49.09	1/4		1/4	
1/2	2,565.87	1/2	2,204.11	1/2	1,842.34	1/2	1,480.58	1/2	1,118.89	1/2	757.49	1/2	395.74	1/2	43.28	1/2		1/2	
3/4	2,558.34	3/4	2,196.57	3/4	1,834.80	3/4	1,473.04	3/4	1,111.37	3/4	749.96	3/4	388.21	3/4	38.73	3/4		3/4	
2	2,550.80	2	2,189.03	2	1,827.27	2	1,465.50	2	1,103.84	2	742.42	2	380.67	2	34.17	2		2	
1/4	2,543.26	1/4	2,181.50	1/4	1,819.73	1/4	1,457.96	1/4	1,096.32	1/4	734.88	1/4	373.13	1/4	29.62	1/4		1/4	
1/2	2,535.73	1/2	2,173.96	1/2	1,812.19	1/2	1,450.43	1/2	1,088.79	1/2	727.35	1/2	365.60	1/2	25.06	1/2		1/2	
3/4	2,528.19	3/4	2,166.42	3/4	1,804.66	3/4	1,442.89	3/4	1,081.27	3/4	719.81	3/4	358.06	3/4		3/4		3/4	
3	2,520.65	3	2,158.89	3	1,797.12	3	1,435.35	3	1,073.74	3	712.28	3	350.52	3		3		3	
1/4	2,513.12	1/4	2,151.35	1/4	1,789.58	1/4	1,427.82	1/4	1,066.21	1/4	704.74	1/4	342.99	1/4		1/4		1/4	
1/2	2,505.58	1/2	2,143.81	1/2	1,782.05	1/2	1,420.28	1/2	1,058.69	1/2	697.20	1/2	335.45	1/2		1/2		1/2	
3/4	2,498.04	3/4	2,136.28	3/4	1,774.51	3/4	1,412.74	3/4	1,051.16	3/4	689.67	3/4	327.91	3/4		3/4		3/4	
4	2,490.51	4	2,128.74	4	1,766.97	4	1,405.21	4	1,043.64	4	682.13	4	320.38	4		4		4	
1/4	2,482.97	1/4	2,121.20	1/4	1,759.44	1/4	1,397.67	1/4	1,036.11	1/4	674.59	1/4	312.84	1/4		1/4		1/4	
1/2	2,475.43	1/2	2,113.67	1/2	1,751.90	1/2	1,390.13	1/2	1,028.59	1/2	667.06	1/2	305.30	1/2		1/2		1/2	
3/4	2,467.90	3/4	2,106.13	3/4	1,744.36	3/4	1,382.60	3/4	1,021.06	3/4	659.52	3/4	297.77	3/4		3/4		3/4	
5	2,460.36	5	2,098.59	5	1,736.83	5	1,375.06	5	1,013.54	5	651.98	5	290.23	5		5		5	
1/4	2,452.82	1/4	2,091.06	1/4	1,729.29	1/4	1,367.52	1/4	1,006.01	1/4	644.45	1/4	282.69	1/4		1/4		1/4	
1/2	2,445.29	1/2	2,083.52	1/2	1,721.75	1/2	1,359.99	1/2	998.49	1/2	636.91	1/2	275.16	1/2		1/2		1/2	
3/4	2,437.75	3/4	2,075.98	3/4	1,714.22	3/4	1,352.45	3/4	990.96	3/4	629.37	3/4	267.62	3/4		3/4		3/4	
6	2,430.21	6	2,068.45	6	1,706.68	6	1,344.91	6	983.43	6	621.84	6	260.09	6		6		6	
1/4	2,422.68	1/4	2,060.91	1/4	1,699.14	1/4	1,337.38	1/4	975.91	1/4	614.30	1/4	252.55	1/4		1/4		1/4	
1/2	2,415.14	1/2	2,053.37	1/2	1,691.61	1/2	1,329.84	1/2	968.38	1/2	606.76	1/2	245.01	1/2		1/2		1/2	
3/4	2,407.60	3/4	2,045.84	3/4	1,684.07	3/4	1,322.30	3/4	960.86	3/4	599.23	3/4	237.48	3/4		3/4		3/4	
7	2,400.06	7	2,038.30	7	1,676.53	7	1,314.77	7	953.33	7	591.69	7	229.94	7		7		7	
1/4	2,392.53	1/4	2,030.76	1/4	1,669.00	1/4	1,307.23	1/4	945.81	1/4	584.15	1/4	222.40	1/4		1/4		1/4	
1/2	2,384.99	1/2	2,023.22	1/2	1,661.46	1/2	1,299.69	1/2	938.28	1/2	576.62	1/2	214.87	1/2		1/2		1/2	
3/4	2,377.45	3/4	2,015.69	3/4	1,653.92	3/4	1,292.16	3/4	930.76	3/4	569.08	3/4	207.33	3/4		3/4		3/4	
8	2,369.92	8	2,008.15	8	1,646.38	8	1,284.62	8	923.23	8	561.55	8	199.79	8		8		8	
1/4	2,362.38	1/4	2,000.61	1/4	1,638.85	1/4	1,277.08	1/4	915.70	1/4	554.01	1/4	192.26	1/4		1/4		1/4	
1/2	2,354.84	1/2	1,993.08	1/2	1,631.31	1/2	1,269.54	1/2	908.18	1/2	546.47	1/2	184.72	1/2		1/2		1/2	
3/4	2,347.31	3/4	1,985.54	3/4	1,623.77	3/4	1,262.01	3/4	900.65	3/4	538.94	3/4	177.18	3/4		3/4		3/4	
9	2,339.77	9	1,978.00	9	1,616.24	9	1,254.47	9	893.13	9	531.40	9	169.65	9		9		9	
1/4	2,332.23	1/4	1,970.47	1/4	1,608.70	1/4	1,246.93	1/4	885.60	1/4	523.86	1/4	162.11	1/4		1/4		1/4	
1/2	2,324.70	1/2	1,962.93	1/2	1,601.16	1/2	1,239.40	1/2	878.08	1/2	516.33	1/2	154.58	1/2		1/2		1/2	
3/4	2,317.16	3/4	1,955.39	3/4	1,593.63	3/4	1,231.86	3/4	870.54	3/4	508.79	3/4	147.05	3/4		3/4		3/4	
10	2,309.62	10	1,947.86	10	1,586.09	10	1,224.32	10	863.00	10	501.25	10	139.52	10		10		10	
1/4	2,302.09	1/4	1,940.32	1/4	1,578.55	1/4	1,216.79	1/4	855.47	1/4	493.72	1/4	131.99	1/4		1/4		1/4	
1/2	2,294.55	1/2	1,932.78	1/2	1,571.02	1/2	1,209.25	1/2	847.93	1/2	486.18	1/2	124.46	1/2		1/2		1/2	
3/4	2,287.01	3/4	1,925.25	3/4	1,563.48	3/4	1,201.71	3/4	840.40	3/4	478.64	3/4	116.96	3/4		3/4		3/4	
11	2,279.48	11	1,917.71	11	1,555.94	11	1,194.18	11	832.86	11	471.11	11	109.45	11		11		11	
1/4	2,271.94	1/4	1,910.17	1/4	1,548.41	1/4	1,186.64	1/4	825.32	1/4	463.57	1/4	101.95	1/4		1/4		1/4	
1/2	2,264.40	1/2	1,902.64	1/2	1,540.87	1/2	1,179.10	1/2	817.79	1/2	456.03	1/2	94.44	1/2		1/2		1/2	
3/4	2,256.87	3/4	1,895.10	3/4	1,533.33	3/4	1,171.58	3/4	810.25	3/4	448.50	3/4	87.46	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 PMA
RECALCULATED: 04/09/2021 PMA
NAME CHANGE: 04/09/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29069"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 302

GAUGE HEIGHT 17'-02 3/4"

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	0	0	5,130.44	0	4,771.28	0	4,410.23	0	4,048.73	0	3,687.23	0	3,325.73	0	2,964.22	
1/4	1/4	1/4	1/4	1/4	1/4	5,123.02	1/4	4,763.77	1/4	4,402.70	1/4	4,041.20	1/4	3,679.70	1/4	3,318.19	1/4	2,956.68	
1/2	1/2	1/2	1/2	1/2	1/2	5,115.60	1/2	4,756.27	1/2	4,395.17	1/2	4,033.67	1/2	3,672.16	1/2	3,310.66	1/2	2,949.14	
3/4	3/4	3/4	3/4	3/4	3/4	5,108.18	3/4	4,748.77	3/4	4,387.64	3/4	4,026.14	3/4	3,664.63	3/4	3,303.13	3/4	2,941.60	
1	1	1	1	1	1	5,100.76	1	4,741.27	1	4,380.11	1	4,018.60	1	3,657.10	1	3,295.60	1	2,934.06	
1/4	1/4	1/4	1/4	1/4	1/4	5,093.34	1/4	4,733.77	1/4	4,372.58	1/4	4,011.07	1/4	3,649.57	1/4	3,288.07	1/4	2,926.52	
1/2	1/2	1/2	1/2	1/2	1/2	5,085.92	1/2	4,726.26	1/2	4,365.04	1/2	4,003.54	1/2	3,642.04	1/2	3,280.54	1/2	2,918.99	
3/4	3/4	3/4	3/4	3/4	3/4	5,078.50	3/4	4,718.76	3/4	4,357.51	3/4	3,996.01	3/4	3,634.51	3/4	3,273.01	3/4	2,911.45	
2	2	2	2	2	2	5,071.08	2	4,711.26	2	4,349.98	2	3,988.48	2	3,626.98	2	3,265.47	2	2,903.91	
1/4	1/4	1/4	1/4	1/4	1/4	5,063.66	1/4	4,703.76	1/4	4,342.45	1/4	3,980.95	1/4	3,619.45	1/4	3,257.94	1/4	2,896.38	
1/2	1/2	1/2	1/2	1/2	1/2	5,056.24	1/2	4,696.26	1/2	4,334.92	1/2	3,973.42	1/2	3,611.91	1/2	3,250.41	1/2	2,888.84	
3/4	3/4	3/4	3/4	3/4	3/4	5,048.81	3/4	4,688.75	3/4	4,327.39	3/4	3,965.89	3/4	3,604.38	3/4	3,242.88	3/4	2,881.30	
3	3	3	3	3	3	5,041.32	3	4,681.25	3	4,319.86	3	3,958.35	3	3,596.85	3	3,235.35	3	2,873.77	
1/4	1/4	1/4	1/4	1/4	1/4	5,033.83	1/4	4,673.75	1/4	4,312.33	1/4	3,950.82	1/4	3,589.32	1/4	3,227.82	1/4	2,866.23	
1/2	1/2	1/2	1/2	1/2	1/2	5,026.34	1/2	4,666.25	1/2	4,304.79	1/2	3,943.29	1/2	3,581.79	1/2	3,220.29	1/2	2,858.69	
3/4	3/4	3/4	3/4	3/4	3/4	5,018.85	3/4	4,658.75	3/4	4,297.26	3/4	3,935.76	3/4	3,574.26	3/4	3,212.76	3/4	2,851.16	
4	4	4	4	4	4	5,011.34	4	4,651.22	4	4,289.73	4	3,928.23	4	3,566.73	4	3,205.22	4	2,843.62	
1/4	1/4	1/4	1/4	1/4	1/4	5,003.84	1/4	4,643.69	1/4	4,282.20	1/4	3,920.70	1/4	3,559.20	1/4	3,197.69	1/4	2,836.08	
1/2	1/2	1/2	1/2	1/2	1/2	4,996.34	1/2	4,636.17	1/2	4,274.67	1/2	3,913.17	1/2	3,551.66	1/2	3,190.16	1/2	2,828.55	
3/4	3/4	3/4	3/4	3/4	3/4	4,988.84	3/4	4,628.64	3/4	4,267.14	3/4	3,905.64	3/4	3,544.13	3/4	3,182.63	3/4	2,821.01	
5	5	5	5	5	5	4,981.34	5	4,621.11	5	4,259.61	5	3,898.10	5	3,536.60	5	3,175.10	5	2,813.47	
1/4	1/4	1/4	1/4	1/4	1/4	4,973.83	1/4	4,613.58	1/4	4,252.08	1/4	3,890.57	1/4	3,529.07	1/4	3,167.57	1/4	2,805.94	
1/2	1/2	1/2	1/2	1/2	1/2	4,966.33	1/2	4,606.05	1/2	4,244.54	1/2	3,883.04	1/2	3,521.54	1/2	3,160.04	1/2	2,798.40	
3/4	3/4	3/4	3/4	3/4	3/4	4,958.83	3/4	4,598.51	3/4	4,237.01	3/4	3,875.51	3/4	3,514.01	3/4	3,152.51	3/4	2,790.86	
6	6	6	6	6	6	4,951.33	6	4,590.98	6	4,229.48	6	3,867.98	6	3,506.48	6	3,144.97	6	2,783.33	
1/4	1/4	1/4	1/4	5,276.76	1/4	4,943.83	1/4	4,583.45	1/4	4,221.95	1/4	3,860.45	1/4	3,498.95	1/4	3,137.44	1/4	2,775.79	
1/2	1/2	1/2	1/2	5,273.23	1/2	4,936.32	1/2	4,575.92	1/2	4,214.42	1/2	3,852.92	1/2	3,491.41	1/2	3,129.91	1/2	2,768.25	
3/4	3/4	3/4	3/4	5,269.71	3/4	4,928.82	3/4	4,568.39	3/4	4,206.89	3/4	3,845.38	3/4	3,483.88	3/4	3,122.38	3/4	2,760.71	
7	7	7	7	5,264.92	7	4,921.32	7	4,560.86	7	4,199.36	7	3,837.85	7	3,476.35	7	3,114.85	7	2,753.18	
1/4	1/4	1/4	1/4	5,260.14	1/4	4,913.82	1/4	4,553.33	1/4	4,191.82	1/4	3,830.32	1/4	3,468.82	1/4	3,107.32	1/4	2,745.64	
1/2	1/2	1/2	1/2	5,255.36	1/2	4,906.31	1/2	4,545.80	1/2	4,184.29	1/2	3,822.79	1/2	3,461.29	1/2	3,099.79	1/2	2,738.10	
3/4	3/4	3/4	3/4	5,250.58	3/4	4,898.81	3/4	4,538.26	3/4	4,176.76	3/4	3,815.26	3/4	3,453.76	3/4	3,092.25	3/4	2,730.57	
8	8	8	8	5,244.54	8	4,891.31	8	4,530.73	8	4,169.23	8	3,807.73	8	3,446.23	8	3,084.72	8	2,723.03	
1/4	1/4	1/4	1/4	5,238.50	1/4	4,883.81	1/4	4,523.20	1/4	4,161.70	1/4	3,800.20	1/4	3,438.69	1/4	3,077.19	1/4	2,715.49	
1/2	1/2	1/2	1/2	5,232.46	1/2	4,876.31	1/2	4,515.67	1/2	4,154.17	1/2	3,792.67	1/2	3,431.16	1/2	3,069.66	1/2	2,707.96	
3/4	3/4	3/4	3/4	5,226.42	3/4	4,868.80	3/4	4,508.14	3/4	4,146.64	3/4	3,785.13	3/4	3,423.63	3/4	3,062.13	3/4	2,700.42	
9	9	9	9	5,219.13	9	4,861.30	9	4,500.61	9	4,139.11	9	3,777.60	9	3,416.10	9	3,054.60	9	2,692.88	
1/4	1/4	1/4	1/4	5,211.83	1/4	4,853.80	1/4	4,493.08	1/4	4,131.57	1/4	3,770.07	1/4	3,408.57	1/4	3,047.07	1/4	2,685.35	
1/2	1/2	1/2	1/2	5,204.54	1/2	4,846.30	1/2	4,485.55	1/2	4,124.04	1/2	3,762.54	1/2	3,401.04	1/2	3,039.54	1/2	2,677.81	
3/4	3/4	3/4	3/4	5,197.25	3/4	4,838.80	3/4	4,478.01	3/4	4,116.51	3/4	3,755.01	3/4	3,393.51	3/4	3,032.01	3/4	2,670.27	
10	10	10	10	5,189.82	10	4,831.29	10	4,470.48	10	4,108.98	10	3,747.48	10	3,385.98	10	3,024.47	10	2,662.74	
1/4	1/4	1/4	1/4	5,182.40	1/4	4,823.79	1/4	4,462.95	1/4	4,101.45	1/4	3,739.95	1/4	3,378.44	1/4	3,016.94	1/4	2,655.20	
1/2	1/2	1/2	1/2	5,174.97	1/2	4,816.29	1/2	4,455.42	1/2	4,093.92	1/2	3,732.42	1/2	3,370.91	1/2	3,009.41	1/2	2,647.66	
3/4	3/4	3/4	3/4	5,167.55	3/4	4,808.79	3/4	4,447.89	3/4	4,086.39	3/4	3,724.88	3/4	3,363.38	3/4	3,001.88	3/4	2,640.13	
11	11	11	11	5,160.13	11	4,801.29	11	4,440.36	11	4,078.86	11	3,717.35	11	3,355.85	11	2,994.35	11	2,632.59	
1/4	1/4	1/4	1/4	5,152.71	1/4	4,793.78	1/4	4,432.83	1/4	4,071.32	1/4	3,709.82	1/4	3,348.32	1/4	2,986.82	1/4	2,625.05	
1/2	1/2	1/2	1/2	5,145.29	1/2	4,786.28	1/2	4,425.29	1/2	4,063.79	1/2	3,702.29	1/2	3,340.79	1/2	2,979.29	1/2	2,617.52	
3/4	3/4	3/4	3/4	5,137.87	3/4	4,778.78	3/4	4,417.76	3/4	4,056.26	3/4	3,694.76	3/4	3,333.26	3/4	2,971.75	3/4	2,609.98	

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29069"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 302

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	2,602.44	0	2,240.68	0	1,878.91	0	1,517.14	0	1,156.46	0	806.56	0	448.50	0	87.46	0		0	
1/4	2,594.91	1/4	2,233.14	1/4	1,871.37	1/4	1,509.61	1/4	1,149.17	1/4	799.26	1/4	440.96	1/4	80.48	1/4		1/4	
1/2	2,587.37	1/2	2,225.60	1/2	1,863.84	1/2	1,502.07	1/2	1,141.88	1/2	791.96	1/2	433.42	1/2	73.49	1/2		1/2	
3/4	2,579.83	3/4	2,218.07	3/4	1,856.30	3/4	1,494.53	3/4	1,134.59	3/4	784.67	3/4	425.89	3/4	66.51	3/4		3/4	
1	2,572.29	1	2,210.53	1	1,848.76	1	1,487.00	1	1,127.30	1	777.37	1	418.35	1	60.70	1		1	
1/4	2,564.76	1/4	2,202.99	1/4	1,841.23	1/4	1,479.46	1/4	1,120.01	1/4	770.07	1/4	410.81	1/4	54.89	1/4		1/4	
1/2	2,557.22	1/2	2,195.45	1/2	1,833.69	1/2	1,471.92	1/2	1,112.73	1/2	762.77	1/2	403.28	1/2	49.09	1/2		1/2	
3/4	2,549.68	3/4	2,187.92	3/4	1,826.15	3/4	1,464.39	3/4	1,105.44	3/4	755.47	3/4	395.74	3/4	43.28	3/4		3/4	
2	2,542.15	2	2,180.38	2	1,818.61	2	1,456.85	2	1,098.15	2	748.17	2	388.20	2	38.72	2		2	
1/4	2,534.61	1/4	2,172.84	1/4	1,811.08	1/4	1,449.31	1/4	1,090.86	1/4	740.88	1/4	380.67	1/4	34.17	1/4		1/4	
1/2	2,527.07	1/2	2,165.31	1/2	1,803.54	1/2	1,441.77	1/2	1,083.58	1/2	733.58	1/2	373.13	1/2	29.62	1/2		1/2	
3/4	2,519.54	3/4	2,157.77	3/4	1,796.00	3/4	1,434.24	3/4	1,076.29	3/4	726.28	3/4	365.59	3/4	25.06	3/4		3/4	
3	2,512.00	3	2,150.23	3	1,788.47	3	1,426.70	3	1,069.00	3	718.98	3	358.06	3		3		3	
1/4	2,504.46	1/4	2,142.70	1/4	1,780.93	1/4	1,419.16	1/4	1,061.71	1/4	711.68	1/4	350.52	1/4		1/4		1/4	
1/2	2,496.93	1/2	2,135.16	1/2	1,773.39	1/2	1,411.63	1/2	1,054.43	1/2	704.38	1/2	342.98	1/2		1/2		1/2	
3/4	2,489.39	3/4	2,127.62	3/4	1,765.86	3/4	1,404.09	3/4	1,047.14	3/4	697.08	3/4	335.45	3/4		3/4		3/4	
4	2,481.85	4	2,120.09	4	1,758.32	4	1,396.55	4	1,039.85	4	689.58	4	327.91	4		4		4	
1/4	2,474.32	1/4	2,112.55	1/4	1,750.78	1/4	1,389.02	1/4	1,032.57	1/4	682.07	1/4	320.37	1/4		1/4		1/4	
1/2	2,466.78	1/2	2,105.01	1/2	1,743.25	1/2	1,381.48	1/2	1,025.28	1/2	674.56	1/2	312.84	1/2		1/2		1/2	
3/4	2,459.24	3/4	2,097.48	3/4	1,735.71	3/4	1,373.94	3/4	1,017.99	3/4	667.05	3/4	305.30	3/4		3/4		3/4	
5	2,451.71	5	2,089.94	5	1,728.17	5	1,366.41	5	1,010.70	5	659.52	5	297.77	5		5		5	
1/4	2,444.17	1/4	2,082.40	1/4	1,720.64	1/4	1,358.87	1/4	1,003.42	1/4	651.98	1/4	290.23	1/4		1/4		1/4	
1/2	2,436.63	1/2	2,074.87	1/2	1,713.10	1/2	1,351.33	1/2	996.13	1/2	644.44	1/2	282.69	1/2		1/2		1/2	
3/4	2,429.10	3/4	2,067.33	3/4	1,705.56	3/4	1,343.80	3/4	988.84	3/4	636.91	3/4	275.16	3/4		3/4		3/4	
6	2,421.56	6	2,059.79	6	1,698.03	6	1,336.26	6	981.55	6	629.37	6	267.62	6		6		6	
1/4	2,414.02	1/4	2,052.26	1/4	1,690.49	1/4	1,328.72	1/4	974.27	1/4	621.83	1/4	260.08	1/4		1/4		1/4	
1/2	2,406.49	1/2	2,044.72	1/2	1,682.95	1/2	1,321.19	1/2	966.98	1/2	614.30	1/2	252.55	1/2		1/2		1/2	
3/4	2,398.95	3/4	2,037.18	3/4	1,675.42	3/4	1,313.65	3/4	959.69	3/4	606.76	3/4	245.01	3/4		3/4		3/4	
7	2,391.41	7	2,029.65	7	1,667.88	7	1,306.11	7	952.40	7	599.23	7	237.47	7		7		7	
1/4	2,383.87	1/4	2,022.11	1/4	1,660.34	1/4	1,298.58	1/4	945.12	1/4	591.69	1/4	229.94	1/4		1/4		1/4	
1/2	2,376.34	1/2	2,014.57	1/2	1,652.81	1/2	1,291.04	1/2	937.83	1/2	584.15	1/2	222.40	1/2		1/2		1/2	
3/4	2,368.80	3/4	2,007.03	3/4	1,645.27	3/4	1,283.50	3/4	930.54	3/4	576.62	3/4	214.86	3/4		3/4		3/4	
8	2,361.26	8	1,999.50	8	1,637.73	8	1,275.97	8	923.25	8	569.08	8	207.33	8		8		8	
1/4	2,353.73	1/4	1,991.96	1/4	1,630.19	1/4	1,268.43	1/4	915.97	1/4	561.54	1/4	199.79	1/4		1/4		1/4	
1/2	2,346.19	1/2	1,984.42	1/2	1,622.66	1/2	1,260.89	1/2	908.68	1/2	554.01	1/2	192.25	1/2		1/2		1/2	
3/4	2,338.65	3/4	1,976.89	3/4	1,615.12	3/4	1,253.35	3/4	901.39	3/4	546.47	3/4	184.72	3/4		3/4		3/4	
9	2,331.12	9	1,969.35	9	1,607.58	9	1,245.82	9	894.10	9	538.93	9	177.18	9		9		9	
1/4	2,323.58	1/4	1,961.81	1/4	1,600.05	1/4	1,238.28	1/4	886.82	1/4	531.40	1/4	169.65	1/4		1/4		1/4	
1/2	2,316.04	1/2	1,954.28	1/2	1,592.51	1/2	1,230.74	1/2	879.53	1/2	523.86	1/2	162.11	1/2		1/2		1/2	
3/4	2,308.51	3/4	1,946.74	3/4	1,584.97	3/4	1,223.21	3/4	872.24	3/4	516.32	3/4	154.57	3/4		3/4		3/4	
10	2,300.97	10	1,939.20	10	1,577.44	10	1,215.67	10	864.95	10	508.79	10	147.04	10		10		10	
1/4	2,293.43	1/4	1,931.67	1/4	1,569.90	1/4	1,208.13	1/4	857.65	1/4	501.25	1/4	139.52	1/4		1/4		1/4	
1/2	2,285.90	1/2	1,924.13	1/2	1,562.36	1/2	1,200.60	1/2	850.35	1/2	493.71	1/2	131.99	1/2		1/2		1/2	
3/4	2,278.36	3/4	1,916.59	3/4	1,554.83	3/4	1,193.06	3/4	843.05	3/4	486.18	3/4	124.46	3/4		3/4		3/4	
11	2,270.82	11	1,909.06	11	1,547.29	11	1,185.73	11	835.76	11	478.64	11	116.95	11		11		11	
1/4	2,263.29	1/4	1,901.52	1/4	1,539.75	1/4	1,178.40	1/4	828.46	1/4	471.10	1/4	109.45	1/4		1/4		1/4	
1/2	2,255.75	1/2	1,893.98	1/2	1,532.22	1/2	1,171.07	1/2	821.16	1/2	463.57	1/2	101.94	1/2		1/2		1/2	
3/4	2,248.21	3/4	1,886.45	3/4	1,524.68	3/4	1,163.75	3/4	813.86	3/4	456.03	3/4	94.44	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 PMA
RECALCULATED: 04/09/2021 PMA
NAME CHANGE: 04/09/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

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



BARGE "KIRBY 29069"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 302

GAUGE HEIGHT 17'-02 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,373.22	0	4,180.83	0	3,987.49	0	3,793.95	0	3,600.40	0	3,318.31	0	2,958.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,369.25	1/4	4,176.81	1/4	3,983.46	1/4	3,789.91	1/4	3,596.37	1/4	3,310.81	1/4	2,951.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,365.27	1/2	4,172.79	1/2	3,979.43	1/2	3,785.88	1/2	3,592.34	1/2	3,303.30	1/2	2,943.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,361.30	3/4	4,168.78	3/4	3,975.40	3/4	3,781.85	3/4	3,588.30	3/4	3,295.80	3/4	2,936.36
1		1		1		1	4,357.33	1	4,164.76	1	3,971.36	1	3,777.82	1	3,584.27	1	3,288.29	1	2,928.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,353.35	1/4	4,160.74	1/4	3,967.33	1/4	3,773.79	1/4	3,580.24	1/4	3,280.79	1/4	2,921.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,349.38	1/2	4,156.72	1/2	3,963.30	1/2	3,769.75	1/2	3,576.21	1/2	3,273.28	1/2	2,913.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,345.40	3/4	4,152.70	3/4	3,959.27	3/4	3,765.72	3/4	3,572.18	3/4	3,265.78	3/4	2,906.50
2		2		2		2	4,341.43	2	4,148.69	2	3,955.23	2	3,761.69	2	3,568.14	2	3,258.28	2	2,899.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,337.45	1/4	4,144.67	1/4	3,951.20	1/4	3,757.66	1/4	3,564.11	1/4	3,250.77	1/4	2,891.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,333.48	1/2	4,140.65	1/2	3,947.17	1/2	3,753.62	1/2	3,560.08	1/2	3,243.27	1/2	2,884.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,329.47	3/4	4,136.63	3/4	3,943.14	3/4	3,749.59	3/4	3,556.05	3/4	3,235.76	3/4	2,876.68
3		3		3		3	4,325.45	3	4,132.62	3	3,939.11	3	3,745.56	3	3,552.01	3	3,228.26	3	2,869.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,321.44	1/4	4,128.60	1/4	3,935.07	1/4	3,741.53	1/4	3,547.98	1/4	3,220.75	1/4	2,861.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,317.43	1/2	4,124.58	1/2	3,931.04	1/2	3,737.50	1/2	3,543.95	1/2	3,213.25	1/2	2,854.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,313.41	3/4	4,120.55	3/4	3,927.01	3/4	3,733.46	3/4	3,539.92	3/4	3,205.74	3/4	2,846.86
4		4		4		4	4,309.39	4	4,116.52	4	3,922.98	4	3,729.43	4	3,535.89	4	3,198.24	4	2,839.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,305.37	1/4	4,112.49	1/4	3,918.94	1/4	3,725.40	1/4	3,531.85	1/4	3,190.73	1/4	2,831.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,301.36	1/2	4,108.46	1/2	3,914.91	1/2	3,721.37	1/2	3,527.82	1/2	3,183.23	1/2	2,824.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,297.34	3/4	4,104.43	3/4	3,910.88	3/4	3,717.33	3/4	3,523.79	3/4	3,175.73	3/4	2,817.04
5		5		5		5	4,293.32	5	4,100.39	5	3,906.85	5	3,713.30	5	3,519.76	5	3,168.22	5	2,809.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,289.30	1/4	4,096.36	1/4	3,902.82	1/4	3,709.27	1/4	3,515.72	1/4	3,160.72	1/4	2,802.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,285.29	1/2	4,092.33	1/2	3,898.78	1/2	3,705.24	1/2	3,511.69	1/2	3,153.21	1/2	2,794.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,281.27	3/4	4,088.30	3/4	3,894.75	3/4	3,701.21	3/4	3,504.62	3/4	3,145.71	3/4	2,787.23
6		6	4,444.13	6	4,277.25	6	4,084.26	6	3,890.72	6	3,697.17	6	3,497.55	6	3,138.20	6	2,779.78		
1/4	1/4	1/4	4,444.05	1/4	4,273.23	1/4	4,080.23	1/4	3,886.69	1/4	3,693.14	1/4	3,490.48	1/4	3,130.70	1/4	2,772.33		
1/2	1/2	1/2	4,443.97	1/2	4,269.22	1/2	4,076.20	1/2	3,882.65	1/2	3,689.11	1/2	3,483.41	1/2	3,123.19	1/2	2,764.87		
3/4	3/4	3/4	4,442.64	3/4	4,265.20	3/4	4,072.17	3/4	3,878.62	3/4	3,685.08	3/4	3,475.91	3/4	3,115.69	3/4	2,757.39		
7		7	4,441.31	7	4,261.18	7	4,068.14	7	3,874.59	7	3,681.04	7	3,468.40	7	3,108.19	7	2,749.91		
1/4	1/4	1/4	4,439.98	1/4	4,257.16	1/4	4,064.10	1/4	3,870.56	1/4	3,677.01	1/4	3,460.90	1/4	3,100.68	1/4	2,742.42		
1/2	1/2	1/2	4,438.65	1/2	4,253.14	1/2	4,060.07	1/2	3,866.53	1/2	3,672.98	1/2	3,453.39	1/2	3,093.18	1/2	2,734.94		
3/4	3/4	3/4	4,436.06	3/4	4,249.13	3/4	4,056.04	3/4	3,862.49	3/4	3,668.95	3/4	3,445.89	3/4	3,085.71	3/4	2,727.45		
8		8	4,433.48	8	4,245.11	8	4,052.01	8	3,858.46	8	3,664.92	8	3,438.38	8	3,078.23	8	2,719.96		
1/4	1/4	1/4	4,430.89	1/4	4,241.09	1/4	4,047.97	1/4	3,854.43	1/4	3,660.88	1/4	3,430.88	1/4	3,070.76	1/4	2,712.47		
1/2	1/2	1/2	4,428.31	1/2	4,237.07	1/2	4,043.94	1/2	3,850.40	1/2	3,656.85	1/2	3,423.37	1/2	3,063.29	1/2	2,704.98		
3/4	3/4	3/4	4,424.48	3/4	4,233.06	3/4	4,039.91	3/4	3,846.36	3/4	3,652.82	3/4	3,415.87	3/4	3,055.83	3/4	2,697.50		
9		9	4,420.64	9	4,229.04	9	4,035.88	9	3,842.33	9	3,648.79	9	3,408.37	9	3,048.36	9	2,690.01		
1/4	1/4	1/4	4,416.81	1/4	4,225.02	1/4	4,031.85	1/4	3,838.30	1/4	3,644.75	1/4	3,400.86	1/4	3,040.90	1/4	2,682.52		
1/2	1/2	1/2	4,412.98	1/2	4,221.00	1/2	4,027.81	1/2	3,834.27	1/2	3,640.72	1/2	3,393.36	1/2	3,033.43	1/2	2,675.03		
3/4	3/4	3/4	4,409.00	3/4	4,216.99	3/4	4,023.78	3/4	3,830.24	3/4	3,636.69	3/4	3,385.85	3/4	3,025.96	3/4	2,667.54		
10		10	4,405.02	10	4,212.97	10	4,019.75	10	3,826.20	10	3,632.66	10	3,378.35	10	3,018.50	10	2,660.05		
1/4	1/4	1/4	4,401.05	1/4	4,208.95	1/4	4,015.72	1/4	3,822.17	1/4	3,628.63	1/4	3,370.84	1/4	3,011.03	1/4	2,652.56		
1/2	1/2	1/2	4,397.07	1/2	4,204.93	1/2	4,011.69	1/2	3,818.14	1/2	3,624.59	1/2	3,363.34	1/2	3,003.57	1/2	2,645.08		
3/4	3/4	3/4	4,393.10	3/4	4,200.92	3/4	4,007.65	3/4	3,814.11	3/4	3,620.56	3/4	3,355.83	3/4	2,996.10	3/4	2,637.59		
11		11	4,389.12	11	4,196.90	11	4,003.62	11	3,810.08	11	3,616.53	11	3,348.33	11	2,988.63	11	2,630.10		
1/4	1/4	1/4	4,385.15	1/4	4,192.88	1/4	3,999.59	1/4	3,806.04	1/4	3,612.50	1/4	3,340.82	1/4	2,981.17	1/4	2,622.61		
1/2	1/2	1/2	4,381.17	1/2	4,188.86	1/2	3,995.56	1/2	3,802.01	1/2	3,608.47	1/2	3,333.32	1/2	2,973.70	1/2	2,615.12		
3/4	3/4	3/4	4,377.20	3/4	4,184.85	3/4	3,991.52	3/4	3,797.98	3/4	3,604.43	3/4	3,325.82	3/4	2,966.23	3/4	2,607.63		

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29069"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 302

GAUGE HEIGHT 17'-02 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	2,600.14	0	2,240.39	0	1,880.12	0	1,519.78	0	1,159.46	0	799.55	0	439.22	0	80.16	0		0	
1/4	2,592.65	1/4	2,232.89	1/4	1,872.61	1/4	1,512.27	1/4	1,151.96	1/4	792.04	1/4	431.72	1/4	73.21	1/4		1/4	
1/2	2,585.16	1/2	2,225.38	1/2	1,865.10	1/2	1,504.76	1/2	1,144.46	1/2	784.54	1/2	424.21	1/2	66.25	1/2		1/2	
3/4	2,577.67	3/4	2,217.88	3/4	1,857.60	3/4	1,497.26	3/4	1,136.97	3/4	777.03	3/4	416.70	3/4	60.47	3/4		3/4	
1	2,570.18	1	2,210.38	1	1,850.09	1	1,489.75	1	1,129.47	1	769.52	1	409.20	1	54.68	1		1	
1/4	2,562.69	1/4	2,202.87	1/4	1,842.58	1/4	1,482.24	1/4	1,121.98	1/4	762.02	1/4	401.69	1/4	48.89	1/4		1/4	
1/2	2,555.20	1/2	2,195.37	1/2	1,835.08	1/2	1,474.74	1/2	1,114.48	1/2	754.51	1/2	394.18	1/2	43.11	1/2		1/2	
3/4	2,547.71	3/4	2,187.86	3/4	1,827.57	3/4	1,467.23	3/4	1,106.98	3/4	747.00	3/4	386.68	3/4	38.57	3/4		3/4	
2	2,540.23	2	2,180.36	2	1,820.06	2	1,459.72	2	1,099.49	2	739.50	2	379.17	2	34.04	2		2	
1/4	2,532.74	1/4	2,172.86	1/4	1,812.56	1/4	1,452.21	1/4	1,091.99	1/4	731.99	1/4	371.66	1/4	29.50	1/4		1/4	
1/2	2,525.25	1/2	2,165.35	1/2	1,805.05	1/2	1,444.71	1/2	1,084.50	1/2	724.48	1/2	364.16	1/2	24.97	1/2		1/2	
3/4	2,517.76	3/4	2,157.85	3/4	1,797.54	3/4	1,437.20	3/4	1,077.00	3/4	716.97	3/4	356.65	3/4		3/4		3/4	
3	2,510.27	3	2,150.34	3	1,790.03	3	1,429.69	3	1,069.51	3	709.47	3	349.14	3		3		3	
1/4	2,502.78	1/4	2,142.84	1/4	1,782.53	1/4	1,422.19	1/4	1,062.01	1/4	701.96	1/4	341.63	1/4		1/4		1/4	
1/2	2,495.29	1/2	2,135.34	1/2	1,775.02	1/2	1,414.68	1/2	1,054.51	1/2	694.45	1/2	334.13	1/2		1/2		1/2	
3/4	2,487.80	3/4	2,127.83	3/4	1,767.51	3/4	1,407.17	3/4	1,047.02	3/4	686.95	3/4	326.62	3/4		3/4		3/4	
4	2,480.31	4	2,120.33	4	1,760.01	4	1,399.66	4	1,039.52	4	679.44	4	319.11	4		4		4	
1/4	2,472.82	1/4	2,112.82	1/4	1,752.50	1/4	1,392.16	1/4	1,032.03	1/4	671.93	1/4	311.61	1/4		1/4		1/4	
1/2	2,465.33	1/2	2,105.32	1/2	1,744.99	1/2	1,384.65	1/2	1,024.53	1/2	664.43	1/2	304.10	1/2		1/2		1/2	
3/4	2,457.84	3/4	2,097.82	3/4	1,737.48	3/4	1,377.14	3/4	1,017.03	3/4	656.92	3/4	296.59	3/4		3/4		3/4	
5	2,450.35	5	2,090.31	5	1,729.98	5	1,369.64	5	1,009.54	5	649.41	5	289.09	5		5		5	
1/4	2,442.86	1/4	2,082.81	1/4	1,722.47	1/4	1,362.13	1/4	1,002.04	1/4	641.91	1/4	281.58	1/4		1/4		1/4	
1/2	2,435.37	1/2	2,075.30	1/2	1,714.96	1/2	1,354.62	1/2	994.55	1/2	634.40	1/2	274.07	1/2		1/2		1/2	
3/4	2,427.88	3/4	2,067.80	3/4	1,707.46	3/4	1,347.11	3/4	987.05	3/4	626.89	3/4	266.57	3/4		3/4		3/4	
6	2,420.40	6	2,060.29	6	1,699.95	6	1,339.61	6	979.56	6	619.39	6	259.06	6		6		6	
1/4	2,412.91	1/4	2,052.78	1/4	1,692.44	1/4	1,332.10	1/4	972.06	1/4	611.88	1/4	251.55	1/4		1/4		1/4	
1/2	2,405.42	1/2	2,045.28	1/2	1,684.93	1/2	1,324.59	1/2	964.56	1/2	604.37	1/2	244.05	1/2		1/2		1/2	
3/4	2,397.93	3/4	2,037.77	3/4	1,677.43	3/4	1,317.09	3/4	957.07	3/4	596.87	3/4	236.54	3/4		3/4		3/4	
7	2,390.44	7	2,030.26	7	1,669.92	7	1,309.58	7	949.57	7	589.36	7	229.03	7		7		7	
1/4	2,382.95	1/4	2,022.75	1/4	1,662.41	1/4	1,302.07	1/4	942.08	1/4	581.85	1/4	221.53	1/4		1/4		1/4	
1/2	2,375.46	1/2	2,015.25	1/2	1,654.91	1/2	1,294.57	1/2	934.58	1/2	574.35	1/2	214.02	1/2		1/2		1/2	
3/4	2,367.96	3/4	2,007.74	3/4	1,647.40	3/4	1,287.06	3/4	927.08	3/4	566.84	3/4	206.51	3/4		3/4		3/4	
8	2,360.45	8	2,000.23	8	1,639.89	8	1,279.55	8	919.59	8	559.33	8	199.01	8		8		8	
1/4	2,352.95	1/4	1,992.73	1/4	1,632.38	1/4	1,272.04	1/4	912.09	1/4	551.83	1/4	191.50	1/4		1/4		1/4	
1/2	2,345.45	1/2	1,985.22	1/2	1,624.88	1/2	1,264.54	1/2	904.60	1/2	544.32	1/2	183.99	1/2		1/2		1/2	
3/4	2,337.94	3/4	1,977.71	3/4	1,617.37	3/4	1,257.03	3/4	897.10	3/4	536.81	3/4	176.49	3/4		3/4		3/4	
9	2,330.44	9	1,970.20	9	1,609.86	9	1,249.52	9	889.61	9	529.30	9	168.98	9		9		9	
1/4	2,322.94	1/4	1,962.70	1/4	1,602.36	1/4	1,242.02	1/4	882.11	1/4	521.80	1/4	161.47	1/4		1/4		1/4	
1/2	2,315.43	1/2	1,955.19	1/2	1,594.85	1/2	1,234.51	1/2	874.61	1/2	514.29	1/2	153.97	1/2		1/2		1/2	
3/4	2,307.93	3/4	1,947.68	3/4	1,587.34	3/4	1,227.00	3/4	867.11	3/4	506.78	3/4	146.47	3/4		3/4		3/4	
10	2,300.42	10	1,940.18	10	1,579.83	10	1,219.49	10	859.60	10	499.28	10	138.97	10		10		10	
1/4	2,292.92	1/4	1,932.67	1/4	1,572.33	1/4	1,211.99	1/4	852.10	1/4	491.77	1/4	131.47	1/4		1/4		1/4	
1/2	2,285.42	1/2	1,925.16	1/2	1,564.82	1/2	1,204.48	1/2	844.59	1/2	484.26	1/2	123.97	1/2		1/2		1/2	
3/4	2,277.91	3/4	1,917.65	3/4	1,557.31	3/4	1,196.97	3/4	837.08	3/4	476.76	3/4	116.50	3/4		3/4		3/4	
11	2,270.41	11	1,910.15	11	1,549.81	11	1,189.47	11	829.58	11	469.25	11	109.02	11		11		11	
1/4	2,262.90	1/4	1,902.64	1/4	1,542.30	1/4	1,181.96	1/4	822.07	1/4	461.74	1/4	101.55	1/4		1/4		1/4	
1/2	2,255.40	1/2	1,895.13	1/2	1,534.79	1/2	1,174.45	1/2	814.56	1/2	454.24	1/2	94.07	1/2		1/2		1/2	
3/4	2,247.90	3/4	1,887.63	3/4	1,527.29	3/4	1,166.95	3/4	807.06	3/4	446.73	3/4	87.12	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 PMA
 RECALCULATED: 04/09/2021 PMA
 NAME CHANGE: 04/09/2021 PMA

CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2021

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



BARGE "KIRBY 29069"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 302

GAUGE HEIGHT 17'-03 1/4"

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	4,361.63	0	4,169.36	0	3,976.07	0	3,782.52	0	3,588.98	0	3,317.62	0	2,958.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,357.65	1/4	4,165.34	1/4	3,972.04	1/4	3,778.49	1/4	3,584.95	1/4	3,310.13	1/4	2,951.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,353.68	1/2	4,161.33	1/2	3,968.00	1/2	3,774.46	1/2	3,580.91	1/2	3,302.64	1/2	2,943.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,349.70	3/4	4,157.31	3/4	3,963.97	3/4	3,770.43	3/4	3,576.88	3/4	3,295.15	3/4	2,936.27
1		1		1		1	4,345.73	1	4,153.29	1	3,959.94	1	3,766.39	1	3,572.85	1	3,287.66	1	2,928.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,341.75	1/4	4,149.27	1/4	3,955.91	1/4	3,762.36	1/4	3,568.82	1/4	3,280.17	1/4	2,921.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,337.78	1/2	4,145.26	1/2	3,951.88	1/2	3,758.33	1/2	3,564.78	1/2	3,272.68	1/2	2,913.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,333.81	3/4	4,141.24	3/4	3,947.84	3/4	3,754.30	3/4	3,560.75	3/4	3,265.19	3/4	2,906.46
2		2		2		2	4,329.83	2	4,137.22	2	3,943.81	2	3,750.27	2	3,556.72	2	3,257.70	2	2,899.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,325.86	1/4	4,133.20	1/4	3,939.78	1/4	3,746.23	1/4	3,552.69	1/4	3,250.21	1/4	2,891.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,321.88	1/2	4,129.19	1/2	3,935.75	1/2	3,742.20	1/2	3,548.66	1/2	3,242.71	1/2	2,884.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,317.91	3/4	4,125.17	3/4	3,931.71	3/4	3,738.17	3/4	3,544.62	3/4	3,235.22	3/4	2,876.66
3		3		3		3	4,313.93	3	4,121.15	3	3,927.68	3	3,734.14	3	3,540.59	3	3,227.73	3	2,869.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,309.96	1/4	4,117.13	1/4	3,923.65	1/4	3,730.10	1/4	3,536.56	1/4	3,220.24	1/4	2,861.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,305.95	1/2	4,113.11	1/2	3,919.62	1/2	3,726.07	1/2	3,532.53	1/2	3,212.75	1/2	2,854.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,301.93	3/4	4,109.10	3/4	3,915.59	3/4	3,722.04	3/4	3,528.49	3/4	3,205.26	3/4	2,846.90
4		4		4		4	4,297.92	4	4,105.08	4	3,911.55	4	3,718.01	4	3,524.46	4	3,197.77	4	2,839.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,293.91	1/4	4,101.06	1/4	3,907.52	1/4	3,713.98	1/4	3,520.43	1/4	3,190.28	1/4	2,832.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,289.89	1/2	4,097.03	1/2	3,903.49	1/2	3,709.94	1/2	3,516.40	1/2	3,182.79	1/2	2,824.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,285.87	3/4	4,093.00	3/4	3,899.46	3/4	3,705.91	3/4	3,512.37	3/4	3,175.30	3/4	2,817.14
5		5		5		5	4,281.85	5	4,088.97	5	3,895.42	5	3,701.88	5	3,508.33	5	3,167.81	5	2,809.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,277.84	1/4	4,084.94	1/4	3,891.39	1/4	3,697.85	1/4	3,504.30	1/4	3,160.32	1/4	2,802.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,273.82	1/2	4,080.91	1/2	3,887.36	1/2	3,693.81	1/2	3,500.27	1/2	3,152.83	1/2	2,794.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,269.80	3/4	4,076.87	3/4	3,883.33	3/4	3,689.78	3/4	3,496.24	3/4	3,145.34	3/4	2,787.38
6		6		6		6	4,265.78	6	4,072.84	6	3,879.30	6	3,685.75	6	3,492.20	6	3,137.85	6	2,779.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,261.77	1/4	4,068.81	1/4	3,875.26	1/4	3,681.72	1/4	3,488.17	1/4	3,130.36	1/4	2,772.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,257.75	1/2	4,064.78	1/2	3,871.23	1/2	3,677.69	1/2	3,484.11	1/2	3,122.87	1/2	2,765.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,253.73	3/4	4,060.74	3/4	3,867.20	3/4	3,673.65	3/4	3,474.06	3/4	3,115.38	3/4	2,757.62
7		7	4,420.61	7	4,420.53	7	4,249.71	7	4,056.71	7	3,863.17	7	3,669.62	7	3,467.00	7	3,107.89	7	2,750.18
1/4	1/4	1/4	4,420.45	1/4	4,245.70	1/4	4,052.68	1/4	4,052.68	1/4	3,859.13	1/4	3,665.59	1/4	3,459.94	1/4	3,100.40	1/4	2,742.75
1/2	1/2	1/2	4,419.12	1/2	4,241.68	1/2	4,048.65	1/2	4,048.65	1/2	3,855.10	1/2	3,661.56	1/2	3,452.45	1/2	3,092.90	1/2	2,735.28
3/4	3/4	3/4	4,417.79	3/4	4,237.66	3/4	4,044.62	3/4	4,044.62	3/4	3,851.07	3/4	3,657.52	3/4	3,444.96	3/4	3,085.41	3/4	2,727.81
8		8	4,416.46	8	4,233.64	8	4,040.58	8	4,040.58	8	3,847.04	8	3,653.49	8	3,437.47	8	3,077.92	8	2,720.34
1/4	1/4	1/4	4,415.13	1/4	4,229.63	1/4	4,036.55	1/4	4,036.55	1/4	3,843.01	1/4	3,649.46	1/4	3,429.98	1/4	3,070.43	1/4	2,712.87
1/2	1/2	1/2	4,412.54	1/2	4,225.61	1/2	4,032.52	1/2	4,032.52	1/2	3,838.97	1/2	3,645.43	1/2	3,422.49	1/2	3,062.98	1/2	2,705.39
3/4	3/4	3/4	4,409.96	3/4	4,221.59	3/4	4,028.49	3/4	4,028.49	3/4	3,834.94	3/4	3,641.40	3/4	3,415.00	3/4	3,055.52	3/4	2,697.92
9		9	4,407.37	9	4,217.57	9	4,024.45	9	4,024.45	9	3,830.91	9	3,637.36	9	3,407.51	9	3,048.06	9	2,690.44
1/4	1/4	1/4	4,404.79	1/4	4,213.55	1/4	4,020.42	1/4	4,020.42	1/4	3,826.88	1/4	3,633.33	1/4	3,400.02	1/4	3,040.61	1/4	2,682.97
1/2	1/2	1/2	4,400.96	1/2	4,209.54	1/2	4,016.39	1/2	4,016.39	1/2	3,822.84	1/2	3,629.30	1/2	3,392.52	1/2	3,033.15	1/2	2,675.49
3/4	3/4	3/4	4,397.12	3/4	4,205.52	3/4	4,012.36	3/4	4,012.36	3/4	3,818.81	3/4	3,625.27	3/4	3,385.03	3/4	3,025.70	3/4	2,668.02
10		10	4,393.29	10	4,201.50	10	4,008.33	10	4,008.33	10	3,814.78	10	3,621.23	10	3,377.54	10	3,018.25	10	2,660.54
1/4	1/4	1/4	4,389.46	1/4	4,197.48	1/4	4,004.29	1/4	4,004.29	1/4	3,810.75	1/4	3,617.20	1/4	3,370.05	1/4	3,010.80	1/4	2,653.07
1/2	1/2	1/2	4,385.48	1/2	4,193.47	1/2	4,000.26	1/2	4,000.26	1/2	3,806.72	1/2	3,613.17	1/2	3,362.56	1/2	3,003.35	1/2	2,645.60
3/4	3/4	3/4	4,381.50	3/4	4,189.45	3/4	3,996.23	3/4	3,996.23	3/4	3,802.68	3/4	3,609.14	3/4	3,355.07	3/4	2,995.89	3/4	2,638.12
11		11	4,377.53	11	4,185.43	11	3,992.20	11	3,992.20	11	3,798.65	11	3,605.11	11	3,347.58	11	2,988.44	11	2,630.65
1/4	1/4	1/4	4,373.55	1/4	4,181.41	1/4	3,988.17	1/4	3,988.17	1/4	3,794.62	1/4	3,601.07	1/4	3,340.09	1/4	2,980.99	1/4	2,623.17
1/2	1/2	1/2	4,369.58	1/2	4,177.40	1/2	3,984.13	1/2	3,984.13	1/2	3,790.59	1/2	3,597.04	1/2	3,332.60	1/2	2,973.54	1/2	2,615.70
3/4	3/4	3/4	4,365.60	3/4	4,173.38	3/4	3,980.10	3/4	3,980.10	3/4	3,786.56	3/4	3,593.01	3/4	3,325.11	3/4	2,966.09	3/4	2,608.22

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29069"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 302

GAUGE HEIGHT 17'-03 1/4"

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	2,600.75	0	2,241.72	0	1,882.12	0	1,522.45	0	1,164.12	0	816.73	0	460.99	0	101.35	0		0	
1/4	2,593.27	1/4	2,234.23	1/4	1,874.63	1/4	1,514.96	1/4	1,156.84	1/4	809.49	1/4	453.49	1/4	93.89	1/4		1/4	
1/2	2,585.80	1/2	2,226.74	1/2	1,867.14	1/2	1,507.47	1/2	1,149.58	1/2	802.23	1/2	446.00	1/2	86.94	1/2		1/2	
3/4	2,578.32	3/4	2,219.25	3/4	1,859.64	3/4	1,499.97	3/4	1,142.33	3/4	794.98	3/4	438.50	3/4	79.98	3/4		3/4	
1	2,570.85	1	2,211.76	1	1,852.15	1	1,492.48	1	1,135.08	1	787.73	1	431.01	1	73.03	1		1	
1/4	2,563.37	1/4	2,204.27	1/4	1,844.66	1/4	1,484.99	1/4	1,127.83	1/4	780.48	1/4	423.51	1/4	66.08	1/4		1/4	
1/2	2,555.90	1/2	2,196.78	1/2	1,837.16	1/2	1,477.50	1/2	1,120.58	1/2	773.23	1/2	416.02	1/2	60.30	1/2		1/2	
3/4	2,548.42	3/4	2,189.29	3/4	1,829.67	3/4	1,470.00	3/4	1,113.32	3/4	765.98	3/4	408.52	3/4	54.53	3/4		3/4	
2	2,540.95	2	2,181.80	2	1,822.18	2	1,462.51	2	1,106.07	2	758.73	2	401.03	2	48.75	2		2	
1/4	2,533.47	1/4	2,174.31	1/4	1,814.69	1/4	1,455.02	1/4	1,098.82	1/4	751.47	1/4	393.53	1/4	42.97	1/4		1/4	
1/2	2,526.00	1/2	2,166.82	1/2	1,807.19	1/2	1,447.52	1/2	1,091.57	1/2	744.20	1/2	386.04	1/2	38.46	1/2		1/2	
3/4	2,518.52	3/4	2,159.33	3/4	1,799.70	3/4	1,440.03	3/4	1,084.32	3/4	736.92	3/4	378.54	3/4	33.94	3/4		3/4	
3	2,511.04	3	2,151.84	3	1,792.21	3	1,432.54	3	1,077.07	3	729.64	3	371.05	3	29.43	3		3	
1/4	2,503.57	1/4	2,144.35	1/4	1,784.71	1/4	1,425.04	1/4	1,069.82	1/4	722.36	1/4	363.55	1/4	24.91	1/4		1/4	
1/2	2,496.09	1/2	2,136.86	1/2	1,777.22	1/2	1,417.55	1/2	1,062.56	1/2	715.08	1/2	356.06	1/2		1/2		1/2	
3/4	2,488.62	3/4	2,129.37	3/4	1,770.73	3/4	1,410.06	3/4	1,055.31	3/4	707.80	3/4	348.56	3/4		3/4		3/4	
4	2,481.14	4	2,121.88	4	1,762.23	4	1,402.56	4	1,048.06	4	700.51	4	341.07	4	4	4		4	
1/4	2,473.67	1/4	2,114.39	1/4	1,754.74	1/4	1,395.07	1/4	1,040.81	1/4	693.23	1/4	333.57	1/4		1/4		1/4	
1/2	2,466.19	1/2	2,106.90	1/2	1,747.25	1/2	1,387.58	1/2	1,033.58	1/2	685.76	1/2	326.08	1/2		1/2		1/2	
3/4	2,458.72	3/4	2,099.41	3/4	1,739.75	3/4	1,380.09	3/4	1,026.35	3/4	678.30	3/4	318.58	3/4		3/4		3/4	
5	2,451.24	5	2,091.92	5	1,732.26	5	1,372.59	5	1,019.12	5	670.83	5	311.09	5	5	5		5	
1/4	2,443.77	1/4	2,084.43	1/4	1,724.77	1/4	1,365.10	1/4	1,011.90	1/4	663.36	1/4	303.59	1/4		1/4		1/4	
1/2	2,436.29	1/2	2,076.94	1/2	1,717.27	1/2	1,357.63	1/2	1,004.67	1/2	655.86	1/2	296.10	1/2		1/2		1/2	
3/4	2,428.81	3/4	2,069.45	3/4	1,709.78	3/4	1,350.17	3/4	997.45	3/4	648.37	3/4	288.60	3/4		3/4		3/4	
6	2,421.34	6	2,061.96	6	1,702.29	6	1,342.70	6	990.22	6	640.87	6	281.10	6	6	6		6	
1/4	2,413.86	1/4	2,054.47	1/4	1,694.80	1/4	1,335.23	1/4	983.00	1/4	633.38	1/4	273.61	1/4		1/4		1/4	
1/2	2,406.39	1/2	2,046.97	1/2	1,687.30	1/2	1,327.77	1/2	975.78	1/2	625.88	1/2	266.11	1/2		1/2		1/2	
3/4	2,398.91	3/4	2,039.48	3/4	1,679.81	3/4	1,320.31	3/4	968.55	3/4	618.39	3/4	258.62	3/4		3/4		3/4	
7	2,391.44	7	2,031.99	7	1,672.32	7	1,312.85	7	961.33	7	610.89	7	251.12	7	7	7		7	
1/4	2,383.96	1/4	2,024.49	1/4	1,664.82	1/4	1,305.39	1/4	954.10	1/4	603.40	1/4	243.63	1/4		1/4		1/4	
1/2	2,376.49	1/2	2,017.00	1/2	1,657.33	1/2	1,297.92	1/2	946.88	1/2	595.90	1/2	236.13	1/2		1/2		1/2	
3/4	2,369.01	3/4	2,009.51	3/4	1,649.84	3/4	1,290.46	3/4	939.66	3/4	588.41	3/4	228.64	3/4		3/4		3/4	
8	2,361.53	8	2,002.01	8	1,642.34	8	1,283.00	8	932.43	8	580.91	8	221.14	8	8	8		8	
1/4	2,354.06	1/4	1,994.52	1/4	1,634.85	1/4	1,275.54	1/4	925.21	1/4	573.42	1/4	213.65	1/4		1/4		1/4	
1/2	2,346.57	1/2	1,987.03	1/2	1,627.36	1/2	1,268.07	1/2	917.98	1/2	565.92	1/2	206.15	1/2		1/2		1/2	
3/4	2,339.08	3/4	1,979.53	3/4	1,619.86	3/4	1,260.61	3/4	910.76	3/4	558.43	3/4	198.66	3/4		3/4		3/4	
9	2,331.59	9	1,972.04	9	1,612.37	9	1,253.15	9	903.54	9	550.93	9	191.16	9	9	9		9	
1/4	2,324.11	1/4	1,964.55	1/4	1,604.88	1/4	1,245.69	1/4	896.31	1/4	543.44	1/4	183.67	1/4		1/4		1/4	
1/2	2,316.62	1/2	1,957.05	1/2	1,597.39	1/2	1,238.22	1/2	889.09	1/2	535.94	1/2	176.17	1/2		1/2		1/2	
3/4	2,309.13	3/4	1,949.56	3/4	1,589.89	3/4	1,230.76	3/4	881.86	3/4	528.45	3/4	168.68	3/4		3/4		3/4	
10	2,301.64	10	1,942.07	10	1,582.40	10	1,223.30	10	874.64	10	520.95	10	161.18	10	10	10		10	
1/4	2,294.15	1/4	1,934.57	1/4	1,574.91	1/4	1,215.84	1/4	867.42	1/4	513.46	1/4	153.69	1/4		1/4		1/4	
1/2	2,286.66	1/2	1,927.08	1/2	1,567.41	1/2	1,208.37	1/2	860.18	1/2	505.96	1/2	146.20	1/2		1/2		1/2	
3/4	2,279.17	3/4	1,919.59	3/4	1,559.92	3/4	1,200.91	3/4	852.95	3/4	498.47	3/4	138.72	3/4		3/4		3/4	
11	2,271.68	11	1,912.10	11	1,552.43	11	1,193.45	11	845.72	11	490.97	11	131.23	11	11	11		11	
1/4	2,264.19	1/4	1,904.60	1/4	1,544.93	1/4	1,185.99	1/4	838.48	1/4	483.48	1/4	123.74	1/4		1/4		1/4	
1/2	2,256.70	1/2	1,897.11	1/2	1,537.44	1/2	1,178.70	1/2	831.23	1/2	475.98	1/2	116.28	1/2		1/2		1/2	
3/4	2,249.21	3/4	1,889.62	3/4	1,529.95	3/4	1,171.41	3/4	823.98	3/4	468.48	3/4	108.82	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 PMA
RECALCULATED: 04/09/2021 PMA
NAME CHANGE: 04/09/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

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