



BARGE "HBC 308"

ULLAGE TRIM TABLE

	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	- 00-1/4	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	01-5/8	- 01-5/8	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"

June 9, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 308"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
			5,248.55		4,938.82		4,592.75		4,231.59		3,868.93		3,506.26		3,143.60		2,780.93		2,418.19
1/4	1/4	1/2	5,244.21	1/2	4,931.79	1/2	4,585.33	1/2	4,224.03	1/2	3,861.37	1/2	3,498.71	1/2	3,136.04	1/2	2,773.38	1/2	2,410.64
3/4	3/4	3/4	5,239.88	3/4	4,924.75	3/4	4,577.91	3/4	4,216.48	3/4	3,853.81	3/4	3,491.15	3/4	3,128.49	3/4	2,765.82	3/4	2,403.08
1	1	1	5,235.54	1	4,917.72	1	4,570.49	1	4,208.92	1	3,845.26	1	3,483.59	1	3,120.93	1	2,758.27	1	2,395.52
1/4	1/4	1/4	5,231.20	1/4	4,910.69	1/4	4,563.07	1/4	4,201.37	1/4	3,838.70	1/4	3,476.04	1/4	3,113.38	1/4	2,750.71	1/4	2,387.96
1/2	1/2	1/2	5,225.64	1/2	4,903.62	1/2	4,555.62	1/2	4,193.81	1/2	3,831.15	1/2	3,468.48	1/2	3,105.82	1/2	2,743.16	1/2	2,380.40
3/4	3/4	3/4	5,220.07	3/4	4,896.56	3/4	4,548.17	3/4	4,186.26	3/4	3,823.59	3/4	3,460.93	3/4	3,098.26	3/4	2,735.60	3/4	2,372.84
2	2	2	5,214.50	2	4,889.50	2	4,540.72	2	4,178.70	2	3,816.04	2	3,453.37	2	3,090.71	2	2,728.04	2	2,365.29
1/4	1/4	1/4	5,208.94	1/4	4,882.43	1/4	4,533.27	1/4	4,171.15	1/4	3,808.48	1/4	3,445.82	1/4	3,083.15	1/4	2,720.49	1/4	2,357.73
1/2	1/2	1/2	5,202.90	1/2	4,875.34	1/2	4,525.78	1/2	4,163.59	1/2	3,800.93	1/2	3,438.26	1/2	3,075.60	1/2	2,712.93	1/2	2,350.17
3/4	3/4	3/4	5,196.87	3/4	4,868.25	3/4	4,518.30	3/4	4,156.03	3/4	3,793.37	3/4	3,430.71	3/4	3,068.04	3/4	2,705.38	3/4	2,342.61
3	3	3	5,190.84	3	4,861.16	3	4,510.82	3	4,148.48	3	3,785.81	3	3,423.15	3	3,060.49	3	2,702.82	3	2,335.05
1/4	1/4	1/4	5,184.80	1/4	4,854.06	1/4	4,503.34	1/4	4,140.92	1/4	3,778.26	1/4	3,415.60	1/4	3,052.93	1/4	2,690.27	1/4	2,327.50
1/2	1/2	1/2	5,178.15	1/2	4,846.94	1/2	4,495.83	1/2	4,133.37	1/2	3,770.70	1/2	3,408.04	1/2	3,045.38	1/2	2,682.71	1/2	2,319.94
3/4	3/4	3/4	5,171.49	3/4	4,839.82	3/4	4,488.32	3/4	4,125.81	3/4	3,763.15	3/4	3,400.48	3/4	3,037.82	3/4	2,675.16	3/4	2,312.38
4	4	4	5,164.83	4	4,832.69	4	4,480.81	4	4,118.26	4	3,755.59	4	3,392.93	4	3,030.26	4	2,667.60	4	2,304.82
1/4	1/4	1/4	5,158.17	1/4	4,825.57	1/4	4,473.30	1/4	4,110.70	1/4	3,748.04	1/4	3,385.37	1/4	3,022.71	1/4	2,660.05	1/4	2,297.26
1/2	1/2	1/2	5,151.45	1/2	4,818.42	1/2	4,465.76	1/2	4,103.15	1/2	3,740.48	1/2	3,377.82	1/2	3,015.15	1/2	2,652.49	1/2	2,289.70
3/4	3/4	3/4	5,144.74	3/4	4,811.27	3/4	4,458.22	3/4	4,095.59	3/4	3,732.93	3/4	3,370.26	3/4	3,007.60	3/4	2,644.93	3/4	2,282.15
5	5	5	5,138.02	5	4,804.11	5	4,450.68	5	4,088.03	5	3,725.37	5	3,362.71	5	3,000.04	5	2,637.38	5	2,274.59
1/4	1/4	1/4	5,131.31	1/4	4,796.96	1/4	4,443.14	1/4	4,080.48	1/4	3,717.82	1/4	3,355.15	1/4	2,992.49	1/4	2,629.82	1/4	2,267.03
1/2	1/2	1/2	5,124.56	1/2	4,789.78	1/2	4,435.59	1/2	4,072.92	1/2	3,710.26	1/2	3,347.60	1/2	2,984.93	1/2	2,622.26	1/2	2,259.47
3/4	3/4	3/4	5,117.80	3/4	4,782.59	3/4	4,428.03	3/4	4,065.37	3/4	3,702.70	3/4	3,340.04	3/4	2,977.38	3/4	2,614.71	3/4	2,251.91
6	6	6	5,111.05	6	4,775.41	6	4,420.48	6	4,057.81	6	3,695.15	6	3,332.48	6	2,969.82	6	2,607.15	6	2,244.35
1/4	1/4	1/4	5,104.30	1/4	4,768.23	1/4	4,412.92	1/4	4,050.26	1/4	3,687.59	1/4	3,324.93	1/4	2,962.27	1/4	2,599.59	1/4	2,236.80
1/2	1/2	1/2	5,097.51	1/2	4,761.02	1/2	4,405.37	1/2	4,042.70	1/2	3,680.04	1/2	3,317.37	1/2	2,954.71	1/2	2,592.03	1/2	2,229.24
3/4	3/4	3/4	5,090.73	3/4	4,753.80	3/4	4,397.81	3/4	4,035.15	3/4	3,672.48	3/4	3,309.82	3/4	2,947.15	3/4	2,584.47	3/4	2,221.68
7	7	7	5,083.94	7	4,746.59	7	4,390.25	7	4,027.59	7	3,664.93	7	3,302.26	7	2,939.60	7	2,576.92	7	2,214.12
1/4	1/4	1/4	5,077.16	1/4	4,739.38	1/4	4,382.70	1/4	4,020.04	1/4	3,657.37	1/4	3,294.71	1/4	2,932.04	1/4	2,569.36	1/4	2,206.56
1/2	1/2	1/2	5,070.34	1/2	4,732.11	1/2	4,375.14	1/2	4,012.48	1/2	3,649.82	1/2	3,287.15	1/2	2,924.49	1/2	2,561.80	1/2	2,199.01
3/4	3/4	3/4	5,063.53	3/4	4,724.84	3/4	4,367.59	3/4	4,004.92	3/4	3,642.26	3/4	3,279.60	3/4	2,916.93	3/4	2,554.24	3/4	2,191.45
8	8	8	5,056.71	8	4,717.56	8	4,360.03	8	3,997.37	8	3,634.70	8	3,272.04	8	2,909.38	8	2,546.68	8	2,183.89
1/4	1/4	1/4	5,049.90	1/4	4,710.29	1/4	4,352.48	1/4	3,989.81	1/4	3,627.15	1/4	3,264.49	1/4	2,901.82	1/4	2,539.12	1/4	2,176.33
1/2	1/2	1/2	5,043.05	1/2	4,702.99	1/2	4,344.92	1/2	3,982.26	1/2	3,619.59	1/2	3,256.93	1/2	2,894.27	1/2	2,531.57	1/2	2,168.77
3/4	3/4	3/4	5,036.21	3/4	4,695.69	3/4	4,337.37	3/4	3,974.70	3/4	3,612.04	3/4	3,249.37	3/4	2,886.71	3/4	2,524.01	3/4	2,161.21
9	9	9	5,029.37	9	4,688.39	9	4,329.81	9	3,967.15	9	3,604.48	9	3,241.82	9	2,879.15	9	2,516.45	9	2,153.66
1/4	1/4	1/4	5,022.52	1/4	4,681.09	1/4	4,322.26	1/4	3,959.59	1/4	3,596.93	1/4	3,234.26	1/4	2,871.60	1/4	2,508.89	1/4	2,146.10
1/2	1/2	1/2	5,015.58	1/2	4,673.76	1/2	4,314.70	1/2	3,952.04	1/2	3,589.37	1/2	3,226.71	1/2	2,864.04	1/2	2,501.33	1/2	2,138.54
3/4	3/4	3/4	5,008.63	3/4	4,666.42	3/4	4,307.14	3/4	3,944.48	3/4	3,581.82	3/4	3,219.15	3/4	2,856.49	3/4	2,493.78	3/4	2,130.98
10	10	10	5,001.68	10	4,659.09	10	4,299.59	10	3,936.92	10	3,574.26	10	3,211.60	10	2,848.93	10	2,486.22	10	2,123.42
1/4	1/4	1/4	4,994.74	1/4	4,651.76	1/4	4,292.03	1/4	3,929.37	1/4	3,566.71	1/4	3,204.04	1/4	2,841.38	1/4	2,478.66	1/4	2,115.87
1/2	1/2	1/2	4,987.76	1/2	4,644.40	1/2	4,284.48	1/2	3,921.81	1/2	3,559.15	1/2	3,196.49	1/2	2,833.82	1/2	2,471.10	1/2	2,108.31
3/4	3/4	3/4	4,980.79	3/4	4,637.04	3/4	4,276.92	3/4	3,914.26	3/4	3,551.59	3/4	3,188.93	3/4	2,826.27	3/4	2,463.54	3/4	2,100.75
11	11	11	4,973.81	11	4,629.68	11	4,269.37	11	3,906.70	11	3,544.04	11	3,181.37	11	2,818.71	11	2,455.98	11	2,093.19
1/4	1/4	1/4	4,966.83	1/4	4,622.32	1/4	4,261.81	1/4	3,899.15	1/4	3,536.48	1/4	3,173.82	1/4	2,811.16	1/4	2,448.43	1/4	2,085.63
1/2	1/2	1/2	4,959.83	1/2	4,614.93	1/2	4,254.26	1/2	3,891.59	1/2	3,528.93	1/2	3,166.26	1/2	2,803.60	1/2	2,440.87	1/2	2,078.07
3/4	3/4	3/4	4,952.83	3/4	4,607.53	3/4	4,246.70	3/4	3,884.04	3/4	3,521.37	3/4	3,158.71	3/4	2,796.04	3/4	2,433.31	3/4	2,070.52

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 TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 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

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BARGE "HBC 308"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,062.96	0	1,700.16	0	1,337.37	0	975.00	0	612.28	0	249.51	0		0		0		0	
1/4	2,055.40	1/4	1,692.61	1/4	1,329.81	1/4	967.46	1/4	604.73	1/4	241.95	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,047.84	1/2	1,685.05	1/2	1,322.25	1/2	959.91	1/2	597.17	1/2	234.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,040.28	3/4	1,677.49	3/4	1,314.70	3/4	952.37	3/4	589.61	3/4	226.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,032.73	1	1,669.93	1	1,307.14	1	944.82	1	582.05	1	219.27	1	1	1	1	1	1	1	1
1/4	2,025.17	1/4	1,662.37	1/4	1,299.58	1/4	937.27	1/4	574.50	1/4	211.72	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,017.61	1/2	1,654.82	1/2	1,292.02	1/2	929.72	1/2	566.94	1/2	204.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,010.05	3/4	1,647.26	3/4	1,284.46	3/4	922.16	3/4	559.38	3/4	196.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,002.49	2	1,639.70	2	1,276.91	2	914.60	2	551.82	2	189.04	2	2	2	2	2	2	2	2
1/4	1,994.93	1/4	1,632.14	1/4	1,269.35	1/4	907.04	1/4	544.26	1/4	181.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,987.38	1/2	1,624.58	1/2	1,261.79	1/2	899.48	1/2	536.71	1/2	173.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,979.82	3/4	1,617.02	3/4	1,254.23	3/4	891.93	3/4	529.15	3/4	166.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,972.26	3	1,609.47	3	1,246.67	3	884.37	3	521.59	3	158.81	3	3	3	3	3	3	3	3
1/4	1,964.70	1/4	1,601.91	1/4	1,239.11	1/4	876.81	1/4	514.03	1/4	151.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,957.14	1/2	1,594.35	1/2	1,231.57	1/2	869.25	1/2	506.47	1/2	143.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,949.59	3/4	1,586.79	3/4	1,224.02	3/4	861.70	3/4	498.92	3/4	136.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,942.03	4	1,579.23	4	1,216.48	4	854.14	4	491.36	4	128.61	4	4	4	4	4	4	4	4
1/4	1,934.47	1/4	1,571.68	1/4	1,208.93	1/4	846.58	1/4	483.80	1/4	121.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,926.91	1/2	1,564.12	1/2	1,201.38	1/2	839.02	1/2	476.24	1/2	113.55	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,919.35	3/4	1,556.56	3/4	1,193.84	3/4	831.46	3/4	468.68	3/4	106.02	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,911.79	5	1,549.00	5	1,186.29	5	823.91	5	461.13	5	98.50	5	5	5	5	5	5	5	5
1/4	1,904.24	1/4	1,541.44	1/4	1,178.75	1/4	816.35	1/4	453.57	1/4	90.98	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,896.68	1/2	1,533.88	1/2	1,171.20	1/2	808.79	1/2	446.01	1/2	84.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,889.12	3/4	1,526.33	3/4	1,163.65	3/4	801.23	3/4	438.45	3/4	77.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,881.56	6	1,518.77	6	1,156.11	6	793.67	6	430.90	6	70.20	6	6	6	6	6	6	6	6
1/4	1,874.00	1/4	1,511.21	1/4	1,148.56	1/4	786.12	1/4	423.34	1/4	63.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,866.44	1/2	1,503.65	1/2	1,141.02	1/2	778.56	1/2	415.78	1/2	57.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,858.89	3/4	1,496.09	3/4	1,133.47	3/4	771.00	3/4	408.22	3/4	51.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,851.33	7	1,488.53	7	1,125.92	7	763.44	7	400.66	7	46.27	7	7	7	7	7	7	7	7
1/4	1,843.77	1/4	1,480.98	1/4	1,118.38	1/4	755.88	1/4	393.11	1/4	40.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,836.21	1/2	1,473.42	1/2	1,110.83	1/2	748.33	1/2	385.55	1/2	36.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,828.65	3/4	1,465.86	3/4	1,103.29	3/4	740.77	3/4	377.99	3/4	31.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,821.10	8	1,458.30	8	1,095.74	8	733.21	8	370.43	8	27.38	8	8	8	8	8	8	8	8
1/4	1,813.54	1/4	1,450.74	1/4	1,088.19	1/4	725.65	1/4	362.87	1/4	22.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,805.98	1/2	1,443.19	1/2	1,080.65	1/2	718.10	1/2	355.32	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,798.42	3/4	1,435.63	3/4	1,073.10	3/4	710.54	3/4	347.76	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,790.86	9	1,428.07	9	1,065.56	9	702.98	9	340.20	9		9	9	9	9	9	9	9	9
1/4	1,783.30	1/4	1,420.51	1/4	1,058.01	1/4	695.42	1/4	332.64	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,775.75	1/2	1,412.95	1/2	1,050.46	1/2	687.86	1/2	325.08	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,768.19	3/4	1,405.39	3/4	1,042.92	3/4	680.31	3/4	317.53	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,760.63	10	1,397.84	10	1,035.37	10	672.75	10	309.97	10		10	10	10	10	10	10	10	10
1/4	1,753.07	1/4	1,390.28	1/4	1,027.83	1/4	665.19	1/4	302.41	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,745.51	1/2	1,382.72	1/2	1,020.28	1/2	657.63	1/2	294.85	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,737.96	3/4	1,375.16	3/4	1,012.73	3/4	650.07	3/4	287.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,730.40	11	1,367.60	11	1,005.19	11	642.52	11	279.74	11		11	11	11	11	11	11	11	11
1/4	1,722.84	1/4	1,360.05	1/4	997.64	1/4	634.96	1/4	272.18	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,715.28	1/2	1,352.49	1/2	990.10	1/2	627.40	1/2	264.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,707.72	3/4	1,344.93	3/4	982.55	3/4	619.84	3/4	257.06	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/07/2013 CL
CALCULATED: 06/09/2013 CL
PRINTED: 06/09/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT
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BARGE "HBC 308"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	IN	OUT
0		0	5,246.64	0	4,936.92	0	4,590.85	0	4,229.69	0	3,867.03	0	3,504.36	0	3,141.70	0	2,779.03	0	2,416.30		
1/4		1/4	5,242.31	1/4	4,929.89	1/4	4,583.43	1/4	4,222.14	1/4	3,859.47	1/4	3,496.81	1/4	3,134.14	1/4	2,771.48	1/4	2,408.74		
1/2		1/2	5,237.97	1/2	4,922.85	1/2	4,576.01	1/2	4,214.58	1/2	3,851.92	1/2	3,489.25	1/2	3,126.59	1/2	2,763.92	1/2	2,401.18		
3/4		3/4	5,233.64	3/4	4,915.82	3/4	4,568.59	3/4	4,207.02	3/4	3,844.36	3/4	3,481.70	3/4	3,119.03	3/4	2,756.37	3/4	2,393.62		
1		1	5,229.30	1	4,908.79	1	4,561.17	1	4,199.47	1	3,836.80	1	3,474.14	1	3,111.48	1	2,748.81	1	2,386.06		
1/4		1/4	5,223.73	1/4	4,901.72	1/4	4,553.72	1/4	4,191.91	1/4	3,829.25	1/4	3,466.59	1/4	3,103.92	1/4	2,741.26	1/4	2,378.50		
1/2		1/2	5,218.17	1/2	4,894.66	1/2	4,546.27	1/2	4,184.36	1/2	3,821.69	1/2	3,459.03	1/2	3,096.37	1/2	2,733.70	1/2	2,370.95		
3/4		3/4	5,212.60	3/4	4,887.60	3/4	4,538.82	3/4	4,176.80	3/4	3,814.14	3/4	3,451.47	3/4	3,088.81	3/4	2,726.15	3/4	2,363.39		
2		2	5,207.03	2	4,880.53	2	4,531.37	2	4,169.25	2	3,806.58	2	3,443.92	2	3,081.25	2	2,718.59	2	2,355.83		
1/4		1/4	5,201.00	1/4	4,873.44	1/4	4,523.88	1/4	4,161.69	1/4	3,799.03	1/4	3,436.36	1/4	3,073.70	1/4	2,711.04	1/4	2,348.27		
1/2		1/2	5,194.97	1/2	4,866.35	1/2	4,516.40	1/2	4,154.14	1/2	3,791.47	1/2	3,428.81	1/2	3,066.14	1/2	2,703.48	1/2	2,340.71		
3/4		3/4	5,188.93	3/4	4,859.26	3/4	4,508.92	3/4	4,146.58	3/4	3,783.92	3/4	3,421.25	3/4	3,058.59	3/4	2,695.92	3/4	2,333.16		
3		3	5,182.90	3	4,852.16	3	4,501.44	3	4,139.02	3	3,776.36	3	3,413.70	3	3,051.03	3	2,688.37	3	2,325.60		
1/4		1/4	5,176.24	1/4	4,845.04	1/4	4,493.93	1/4	4,131.47	1/4	3,768.81	1/4	3,406.14	1/4	3,043.48	1/4	2,680.81	1/4	2,318.04		
1/2		1/2	5,169.58	1/2	4,837.92	1/2	4,486.42	1/2	4,123.91	1/2	3,761.25	1/2	3,398.59	1/2	3,035.92	1/2	2,673.26	1/2	2,310.48		
3/4		3/4	5,162.92	3/4	4,830.79	3/4	4,478.91	3/4	4,116.36	3/4	3,753.69	3/4	3,391.03	3/4	3,028.37	3/4	2,665.70	3/4	2,302.92		
4		4	5,156.26	4	4,823.67	4	4,471.40	4	4,108.80	4	3,746.14	4	3,383.47	4	3,020.81	4	2,658.15	4	2,295.36		
1/4		1/4	5,149.55	1/4	4,816.52	1/4	4,463.86	1/4	4,101.25	1/4	3,738.58	1/4	3,375.92	1/4	3,013.26	1/4	2,650.59	1/4	2,287.81		
1/2		1/2	5,142.84	1/2	4,809.37	1/2	4,456.32	1/2	4,093.69	1/2	3,731.03	1/2	3,368.36	1/2	3,005.70	1/2	2,643.04	1/2	2,280.25		
3/4		3/4	5,136.12	3/4	4,802.21	3/4	4,448.78	3/4	4,086.14	3/4	3,723.47	3/4	3,360.81	3/4	2,998.14	3/4	2,635.48	3/4	2,272.69		
5		5	5,129.41	5	4,795.06	5	4,441.24	5	4,078.58	5	3,715.92	5	3,353.25	5	2,990.59	5	2,627.92	5	2,265.13		
1/4		1/4	5,122.65	1/4	4,787.88	1/4	4,433.69	1/4	4,071.03	1/4	3,708.36	1/4	3,345.70	1/4	2,983.03	1/4	2,620.37	1/4	2,257.57		
1/2		1/2	5,115.90	1/2	4,780.69	1/2	4,426.13	1/2	4,063.47	1/2	3,700.81	1/2	3,338.14	1/2	2,975.48	1/2	2,612.81	1/2	2,250.01		
3/4		3/4	5,109.15	3/4	4,773.51	3/4	4,418.58	3/4	4,055.91	3/4	3,693.25	3/4	3,330.59	3/4	2,967.92	3/4	2,605.25	3/4	2,242.46		
6		6	5,102.39	6	4,766.33	6	4,411.02	6	4,048.36	6	3,685.69	6	3,323.03	6	2,960.37	6	2,597.69	6	2,234.90		
1/4		1/4	5,095.61	1/4	4,759.12	1/4	4,403.47	1/4	4,040.80	1/4	3,678.14	1/4	3,315.48	1/4	2,952.81	1/4	2,590.13	1/4	2,227.34		
1/2		1/2	5,088.82	1/2	4,751.90	1/2	4,395.91	1/2	4,033.25	1/2	3,670.58	1/2	3,307.92	1/2	2,945.26	1/2	2,582.58	1/2	2,219.78		
3/4		3/4	5,082.04	3/4	4,744.69	3/4	4,388.36	3/4	4,025.69	3/4	3,663.03	3/4	3,300.36	3/4	2,937.70	3/4	2,575.02	3/4	2,212.22		
7		7	5,075.26	7	4,737.48	7	4,380.80	7	4,018.14	7	3,655.47	7	3,292.81	7	2,930.14	7	2,567.46	7	2,204.67		
1/4		1/4	5,068.44	1/4	4,730.21	1/4	4,373.25	1/4	4,010.58	1/4	3,647.92	1/4	3,285.25	1/4	2,922.59	1/4	2,559.90	1/4	2,197.11		
1/2		1/2	5,061.63	1/2	4,722.94	1/2	4,365.69	1/2	4,003.03	1/2	3,640.36	1/2	3,277.70	1/2	2,915.03	1/2	2,552.34	1/2	2,189.55		
3/4		3/4	5,054.81	3/4	4,715.66	3/4	4,358.13	3/4	3,995.47	3/4	3,632.81	3/4	3,270.14	3/4	2,907.48	3/4	2,544.78	3/4	2,181.99		
8		8	5,048.00	8	4,708.39	8	4,350.58	8	3,987.91	8	3,625.25	8	3,262.59	8	2,899.92	8	2,537.23	8	2,174.43		
1/4		1/4	5,041.15	1/4	4,701.09	1/4	4,343.02	1/4	3,980.36	1/4	3,617.70	1/4	3,255.03	1/4	2,892.37	1/4	2,529.67	1/4	2,166.87		
1/2		1/2	5,034.31	1/2	4,693.79	1/2	4,335.47	1/2	3,972.80	1/2	3,610.14	1/2	3,247.48	1/2	2,884.81	1/2	2,522.11	1/2	2,159.32		
3/4		3/4	5,027.46	3/4	4,686.49	3/4	4,327.91	3/4	3,965.25	3/4	3,602.58	3/4	3,239.92	3/4	2,877.26	3/4	2,514.55	3/4	2,151.76		
9		9	5,020.62	9	4,679.19	9	4,320.36	9	3,957.69	9	3,595.03	9	3,232.36	9	2,869.70	9	2,506.99	9	2,144.20		
1/4		1/4	5,013.67	1/4	4,671.86	1/4	4,312.80	1/4	3,950.14	1/4	3,587.47	1/4	3,224.81	1/4	2,862.15	1/4	2,499.44	1/4	2,136.64		
1/2		1/2	5,006.73	1/2	4,664.52	1/2	4,305.25	1/2	3,942.58	1/2	3,579.92	1/2	3,217.25	1/2	2,854.59	1/2	2,491.88	1/2	2,129.08		
3/4		3/4	4,999.78	3/4	4,657.19	3/4	4,297.69	3/4	3,935.03	3/4	3,572.36	3/4	3,209.70	3/4	2,847.03	3/4	2,484.32	3/4	2,121.53		
10		10	4,992.84	10	4,649.86	10	4,290.13	10	3,927.47	10	3,564.81	10	3,202.14	10	2,839.48	10	2,476.76	10	2,113.97		
1/4		1/4	4,985.86	1/4	4,642.50	1/4	4,282.58	1/4	3,919.92	1/4	3,557.25	1/4	3,194.59	1/4	2,831.92	1/4	2,469.20	1/4	2,106.41		
1/2		1/2	4,978.88	1/2	4,635.14	1/2	4,275.02	1/2	3,912.36	1/2	3,549.70	1/2	3,187.03	1/2	2,824.37	1/2	2,461.64	1/2	2,098.85		
3/4		3/4	4,971.91	3/4	4,627.78	3/4	4,267.47	3/4	3,904.80	3/4	3,542.14	3/4	3,179.48	3/4	2,816.81	3/4	2,454.09	3/4	2,091.29		
11		11	4,964.93	11	4,620.42	11	4,259.91	11	3,897.25	11	3,534.58	11	3,171.92	11	2,809.26	11	2,446.53	11	2,083.73		
1/4		1/4	4,957.93	1/4	4,613.03	1/4	4,252.36	1/4	3,889.69	1/4	3,527.03	1/4	3,164.37	1/4	2,801.70	1/4	2,438.97	1/4	2,076.18		
1/2		1/2	4,950.93	1/2	4,605.63	1/2	4,244.80	1/2	3,882.14	1/2	3,519.47	1/2	3,156.81	1/2	2,794.15	1/2	2,431.41	1/2	2,068.62		
3/4		3/4	4,943.92	3/4	4,598.24	3/4	4,237.25	3/4	3,874.58	3/4	3,511.92	3/4	3,149.25	3/4	2,786.59	3/4	2,423.85	3/4	2,061.06		

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 TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 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 "HBC 308"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,053.50	0	1,690.71	0	1,327.91	0	967.14	0	604.73	0	241.95	0		0		0		0	
1/4	2,045.94	1/4	1,683.15	1/4	1,320.36	1/4	959.64	1/4	597.17	1/4	234.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,038.39	1/2	1,675.59	1/2	1,312.80	1/2	952.13	1/2	589.61	1/2	226.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,030.83	3/4	1,668.03	3/4	1,305.24	3/4	944.63	3/4	582.05	3/4	219.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,023.27	1	1,660.48	1	1,297.68	1	937.12	1	574.50	1	211.72	1	1	1	1	1	1	1	1
1/4	2,015.71	1/4	1,652.92	1/4	1,290.12	1/4	929.60	1/4	566.94	1/4	204.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,008.15	1/2	1,645.36	1/2	1,282.57	1/2	922.08	1/2	559.38	1/2	196.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,000.59	3/4	1,637.80	3/4	1,275.01	3/4	914.56	3/4	551.82	3/4	189.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,993.04	2	1,630.24	2	1,267.45	2	907.04	2	544.26	2	181.48	2	2	2	2	2	2	2	2
1/4	1,985.48	1/4	1,622.68	1/4	1,259.89	1/4	899.49	1/4	536.71	1/4	173.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,977.92	1/2	1,615.13	1/2	1,252.33	1/2	891.93	1/2	529.15	1/2	166.37	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,970.36	3/4	1,607.57	3/4	1,244.77	3/4	884.37	3/4	521.59	3/4	158.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,962.80	3	1,600.01	3	1,237.21	3	876.81	3	514.03	3	151.26	3	3	3	3	3	3	3	3
1/4	1,955.25	1/4	1,592.45	1/4	1,229.65	1/4	869.25	1/4	506.47	1/4	143.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,947.69	1/2	1,584.89	1/2	1,222.09	1/2	861.70	1/2	498.92	1/2	136.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,940.13	3/4	1,577.34	3/4	1,214.53	3/4	854.14	3/4	491.36	3/4	128.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,932.57	4	1,569.78	4	1,207.02	4	846.58	4	483.80	4	121.07	4	4	4	4	4	4	4	4
1/4	1,925.01	1/4	1,562.22	1/4	1,199.46	1/4	839.02	1/4	476.24	1/4	113.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,917.45	1/2	1,554.66	1/2	1,191.90	1/2	831.46	1/2	468.68	1/2	106.02	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,909.90	3/4	1,547.10	3/4	1,184.34	3/4	823.91	3/4	461.13	3/4	98.50	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,902.34	5	1,539.54	5	1,176.78	5	816.35	5	453.57	5	90.98	5	5	5	5	5	5	5	5
1/4	1,894.78	1/4	1,531.99	1/4	1,169.22	1/4	808.79	1/4	446.01	1/4	84.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,887.22	1/2	1,524.43	1/2	1,161.66	1/2	801.23	1/2	438.45	1/2	77.13	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,879.66	3/4	1,516.87	3/4	1,154.10	3/4	793.67	3/4	430.90	3/4	70.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,872.10	6	1,509.31	6	1,146.54	6	786.12	6	423.34	6	63.27	6	6	6	6	6	6	6	6
1/4	1,864.55	1/4	1,501.75	1/4	1,138.98	1/4	778.56	1/4	415.78	1/4	57.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,856.99	1/2	1,494.19	1/2	1,131.42	1/2	771.00	1/2	408.22	1/2	51.94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,849.43	3/4	1,486.64	3/4	1,123.86	3/4	763.44	3/4	400.66	3/4	46.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,841.87	7	1,479.08	7	1,116.30	7	755.88	7	393.11	7	40.60	7	7	7	7	7	7	7	7
1/4	1,834.31	1/4	1,471.52	1/4	1,108.74	1/4	748.33	1/4	385.55	1/4	36.20	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,826.76	1/2	1,463.96	1/2	1,101.18	1/2	740.77	1/2	377.99	1/2	31.79	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,819.20	3/4	1,456.40	3/4	1,093.62	3/4	733.21	3/4	370.43	3/4	27.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,811.64	8	1,448.85	8	1,086.06	8	725.65	8	362.87	8	22.97	8	8	8	8	8	8	8	8
1/4	1,804.08	1/4	1,441.29	1/4	1,078.50	1/4	718.10	1/4	355.32	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,796.52	1/2	1,433.73	1/2	1,070.94	1/2	710.54	1/2	347.76	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,788.96	3/4	1,426.17	3/4	1,063.38	3/4	702.98	3/4	340.20	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,781.41	9	1,418.61	9	1,055.82	9	695.42	9	332.64	9		9	9	9	9	9	9	9	9
1/4	1,773.85	1/4	1,411.05	1/4	1,048.26	1/4	687.86	1/4	325.08	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,766.29	1/2	1,403.50	1/2	1,040.70	1/2	680.31	1/2	317.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,758.73	3/4	1,395.94	3/4	1,033.14	3/4	672.75	3/4	309.97	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,751.17	10	1,388.38	10	1,025.58	10	665.19	10	302.41	10		10	10	10	10	10	10	10	10
1/4	1,743.62	1/4	1,380.82	1/4	1,018.02	1/4	657.63	1/4	294.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,736.06	1/2	1,373.26	1/2	1,010.46	1/2	650.07	1/2	287.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,728.50	3/4	1,365.71	3/4	1,002.90	3/4	642.52	3/4	279.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,720.94	11	1,358.15	11	995.34	11	634.96	11	272.18	11		11	11	11	11	11	11	11	11
1/4	1,713.38	1/4	1,350.59	1/4	987.78	1/4	627.40	1/4	264.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,705.82	1/2	1,343.03	1/2	980.22	1/2	619.84	1/2	257.06	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,698.27	3/4	1,335.47	3/4	972.66	3/4	612.28	3/4	249.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/07/2013 CL
CALCULATED: 06/09/2013 CL
PRINTED: 06/09/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

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



BARGE "HBC 308"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4	5,228.45	1/4	4,919.89	1/4	4,575.14	1/4	4,215.36	1/4	3,854.08	1/4	3,492.81	1/4	3,131.54	1/4	2,770.27	1/4	2,408.92		
1/2		1/2	5,224.13	1/2	4,912.88	1/2	4,567.75	1/2	4,207.83	1/2	3,846.56	1/2	3,485.29	1/2	3,124.01	1/2	2,762.74	1/2	2,401.39		
3/4		3/4	5,219.81	3/4	4,905.88	3/4	4,560.35	3/4	4,200.30	3/4	3,839.03	3/4	3,477.76	3/4	3,116.49	3/4	2,755.21	3/4	2,393.86		
1	1	1	5,215.49	1	4,898.87	1	4,552.96	1	4,192.78	1	3,831.50	1	3,470.23	1	3,108.96	1	2,747.69	1	2,386.33		
1/4		1/4	5,211.17	1/4	4,891.87	1/4	4,545.57	1/4	4,185.25	1/4	3,823.98	1/4	3,462.71	1/4	3,101.43	1/4	2,740.16	1/4	2,378.80		
1/2		1/2	5,205.62	1/2	4,884.83	1/2	4,538.15	1/2	4,177.72	1/2	3,816.45	1/2	3,455.18	1/2	3,093.91	1/2	2,732.64	1/2	2,371.27		
3/4		3/4	5,200.08	3/4	4,877.79	3/4	4,530.72	3/4	4,170.20	3/4	3,808.92	3/4	3,447.65	3/4	3,086.38	3/4	2,725.11	3/4	2,363.75		
2	2	2	5,194.53	2	4,870.76	2	4,523.30	2	4,162.67	2	3,801.40	2	3,440.13	2	3,078.85	2	2,717.58	2	2,356.22		
1/4		1/4	5,188.99	1/4	4,863.72	1/4	4,515.88	1/4	4,155.14	1/4	3,793.87	1/4	3,432.60	1/4	3,071.33	1/4	2,710.06	1/4	2,348.69		
1/2		1/2	5,182.98	1/2	4,856.65	1/2	4,508.43	1/2	4,147.62	1/2	3,786.35	1/2	3,425.07	1/2	3,063.80	1/2	2,702.53	1/2	2,341.16		
3/4		3/4	5,176.97	3/4	4,849.59	3/4	4,500.97	3/4	4,140.09	3/4	3,778.82	3/4	3,417.55	3/4	3,056.27	3/4	2,695.00	3/4	2,333.63		
3	3	3	5,170.96	3	4,842.52	3	4,493.52	3	4,132.56	3	3,771.29	3	3,410.02	3	3,048.75	3	2,687.48	3	2,326.10		
1/4		1/4	5,164.95	1/4	4,835.46	1/4	4,486.07	1/4	4,125.04	1/4	3,763.77	1/4	3,402.49	1/4	3,041.22	1/4	2,679.95	1/4	2,318.57		
1/2		1/2	5,158.31	1/2	4,828.36	1/2	4,478.59	1/2	4,117.51	1/2	3,756.24	1/2	3,394.97	1/2	3,033.70	1/2	2,672.42	1/2	2,311.04		
3/4		3/4	5,151.68	3/4	4,821.26	3/4	4,471.11	3/4	4,109.98	3/4	3,748.71	3/4	3,387.44	3/4	3,026.17	3/4	2,664.90	3/4	2,303.51		
4	4	4	5,145.04	4	4,814.17	4	4,463.62	4	4,102.46	4	3,741.19	4	3,379.91	4	3,018.64	4	2,657.37	4	2,295.98		
1/4		1/4	5,138.41	1/4	4,807.07	1/4	4,456.14	1/4	4,094.93	1/4	3,733.66	1/4	3,372.39	1/4	3,011.12	1/4	2,649.84	1/4	2,288.45		
1/2		1/2	5,131.72	1/2	4,799.95	1/2	4,448.63	1/2	4,087.41	1/2	3,726.13	1/2	3,364.86	1/2	3,003.59	1/2	2,642.32	1/2	2,280.92		
3/4		3/4	5,125.03	3/4	4,792.82	3/4	4,441.12	3/4	4,079.88	3/4	3,718.61	3/4	3,357.33	3/4	2,996.06	3/4	2,634.79	3/4	2,273.39		
5	5	5	5,118.34	5	4,785.69	5	4,433.61	5	4,072.35	5	3,711.08	5	3,349.81	5	2,988.54	5	2,627.26	5	2,265.87		
1/4		1/4	5,111.65	1/4	4,778.57	1/4	4,426.10	1/4	4,064.83	1/4	3,703.55	1/4	3,342.28	1/4	2,981.01	1/4	2,619.74	1/4	2,258.34		
1/2		1/2	5,104.93	1/2	4,771.41	1/2	4,418.57	1/2	4,057.30	1/2	3,696.03	1/2	3,334.76	1/2	2,973.48	1/2	2,612.21	1/2	2,250.81		
3/4		3/4	5,098.20	3/4	4,764.26	3/4	4,411.04	3/4	4,049.77	3/4	3,688.50	3/4	3,327.23	3/4	2,965.96	3/4	2,604.68	3/4	2,243.28		
6	6	6	5,091.47	6	4,757.10	6	4,403.52	6	4,042.25	6	3,680.97	6	3,319.70	6	2,958.43	6	2,597.15	6	2,235.75		
1/4		1/4	5,084.74	1/4	4,749.95	1/4	4,395.99	1/4	4,034.72	1/4	3,673.45	1/4	3,312.18	1/4	2,950.90	1/4	2,589.62	1/4	2,228.22		
1/2		1/2	5,077.98	1/2	4,742.76	1/2	4,388.47	1/2	4,027.19	1/2	3,665.92	1/2	3,304.65	1/2	2,943.38	1/2	2,582.09	1/2	2,220.69		
3/4		3/4	5,071.22	3/4	4,735.58	3/4	4,380.94	3/4	4,019.67	3/4	3,658.39	3/4	3,297.12	3/4	2,935.85	3/4	2,574.56	3/4	2,213.16		
7	7	7	5,064.46	7	4,728.39	7	4,373.41	7	4,012.14	7	3,650.87	7	3,289.60	7	2,928.32	7	2,567.03	7	2,205.63		
1/4		1/4	5,057.71	1/4	4,721.21	1/4	4,365.89	1/4	4,004.61	1/4	3,643.34	1/4	3,282.07	1/4	2,920.80	1/4	2,559.50	1/4	2,198.10		
1/2		1/2	5,050.92	1/2	4,713.96	1/2	4,358.36	1/2	3,997.09	1/2	3,635.82	1/2	3,274.54	1/2	2,913.27	1/2	2,551.98	1/2	2,190.57		
3/4		3/4	5,044.13	3/4	4,706.72	3/4	4,350.83	3/4	3,989.56	3/4	3,628.29	3/4	3,267.02	3/4	2,905.74	3/4	2,544.45	3/4	2,183.04		
8	8	8	5,037.34	8	4,699.48	8	4,343.31	8	3,982.03	8	3,620.76	8	3,259.49	8	2,898.22	8	2,536.92	8	2,175.52		
1/4		1/4	5,030.55	1/4	4,692.23	1/4	4,335.78	1/4	3,974.51	1/4	3,613.24	1/4	3,251.96	1/4	2,890.69	1/4	2,529.39	1/4	2,167.99		
1/2		1/2	5,023.73	1/2	4,684.96	1/2	4,328.25	1/2	3,966.98	1/2	3,605.71	1/2	3,244.44	1/2	2,883.17	1/2	2,521.86	1/2	2,160.46		
3/4		3/4	5,016.91	3/4	4,677.68	3/4	4,320.73	3/4	3,959.45	3/4	3,598.18	3/4	3,236.91	3/4	2,875.64	3/4	2,514.33	3/4	2,152.93		
9	9	9	5,010.10	9	4,670.41	9	4,313.20	9	3,951.93	9	3,590.66	9	3,229.38	9	2,868.11	9	2,506.80	9	2,145.40		
1/4		1/4	5,003.28	1/4	4,663.14	1/4	4,305.67	1/4	3,944.40	1/4	3,583.13	1/4	3,221.86	1/4	2,860.59	1/4	2,499.27	1/4	2,137.87		
1/2		1/2	4,996.36	1/2	4,655.83	1/2	4,298.15	1/2	3,936.88	1/2	3,575.60	1/2	3,214.33	1/2	2,853.06	1/2	2,491.74	1/2	2,130.34		
3/4		3/4	4,989.44	3/4	4,648.53	3/4	4,290.62	3/4	3,929.35	3/4	3,568.08	3/4	3,206.80	3/4	2,845.53	3/4	2,484.21	3/4	2,122.81		
10	10	10	4,982.52	10	4,641.23	10	4,283.09	10	3,921.82	10	3,560.55	10	3,199.28	10	2,838.01	10	2,476.68	10	2,115.28		
1/4		1/4	4,975.60	1/4	4,633.92	1/4	4,275.57	1/4	3,914.30	1/4	3,553.02	1/4	3,191.75	1/4	2,830.48	1/4	2,469.15	1/4	2,107.75		
1/2		1/2	4,968.65	1/2	4,626.59	1/2	4,268.04	1/2	3,906.77	1/2	3,545.50	1/2	3,184.23	1/2	2,822.95	1/2	2,461.62	1/2	2,100.22		
3/4		3/4	4,961.70	3/4	4,619.26	3/4	4,260.51	3/4	3,899.24	3/4	3,537.97	3/4	3,176.70	3/4	2,815.43	3/4	2,454.10	3/4	2,092.69		
11	11	11	4,954.75	11	4,611.92	11	4,252.99	11	3,891.72	11	3,530.44	11	3,169.17	11	2,807.90	11	2,446.57	11	2,085.16		
1/4		1/4	4,947.80	1/4	4,604.59	1/4	4,245.46	1/4	3,884.19	1/4	3,522.92	1/4	3,161.65	1/4	2,800.37	1/4	2,439.04	1/4	2,077.64		
1/2		1/2	4,940.82	1/2	4,597.23	1/2	4,237.94	1/2	3,876.66	1/2	3,515.39	1/2	3,154.12	1/2	2,792.85	1/2	2,431.51	1/2	2,070.11		
3/4		3/4	4,933.85	3/4	4,589.86	3/4	4,230.41	3/4	3,869.14	3/4	3,507.86	3/4	3,146.59	3/4	2,785.32	3/4	2,423.98	3/4	2,062.58		

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 TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.

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 "HBC 308"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,055.05	0	1,693.65	0	1,332.24	0	971.27	0	609.94	0	248.55	0		0		0		0	
1/4	2,047.52	1/4	1,686.12	1/4	1,324.72	1/4	963.76	1/4	602.41	1/4	241.02	1/4		1/4		1/4		1/4	
1/2	2,039.99	1/2	1,678.59	1/2	1,317.19	1/2	956.24	1/2	594.88	1/2	233.49	1/2		1/2		1/2		1/2	
3/4	2,032.46	3/4	1,671.06	3/4	1,309.66	3/4	948.72	3/4	587.36	3/4	225.96	3/4		3/4		3/4		3/4	
1	2,024.93	1	1,663.53	1	1,302.13	1	941.21	1	579.83	1	218.43	1		1		1		1	
1/4	2,017.40	1/4	1,656.00	1/4	1,294.60	1/4	933.69	1/4	572.30	1/4	210.91	1/4		1/4		1/4		1/4	
1/2	2,009.87	1/2	1,648.47	1/2	1,287.07	1/2	926.16	1/2	564.77	1/2	203.38	1/2		1/2		1/2		1/2	
3/4	2,002.34	3/4	1,640.94	3/4	1,279.54	3/4	918.63	3/4	557.24	3/4	195.85	3/4		3/4		3/4		3/4	
2	1,994.81	2	1,633.41	2	1,272.01	2	911.10	2	549.71	2	188.32	2		2		2		2	
1/4	1,987.29	1/4	1,625.88	1/4	1,264.48	1/4	903.57	1/4	542.18	1/4	180.79	1/4		1/4		1/4		1/4	
1/2	1,979.76	1/2	1,618.35	1/2	1,256.95	1/2	896.04	1/2	534.65	1/2	173.26	1/2		1/2		1/2		1/2	
3/4	1,972.23	3/4	1,610.83	3/4	1,249.42	3/4	888.52	3/4	527.12	3/4	165.73	3/4		3/4		3/4		3/4	
3	1,964.70	3	1,603.30	3	1,241.89	3	880.99	3	519.59	3	158.21	3		3		3		3	
1/4	1,957.17	1/4	1,595.77	1/4	1,234.37	1/4	873.46	1/4	512.07	1/4	150.68	1/4		1/4		1/4		1/4	
1/2	1,949.64	1/2	1,588.24	1/2	1,226.85	1/2	865.93	1/2	504.54	1/2	143.16	1/2		1/2		1/2		1/2	
3/4	1,942.11	3/4	1,580.71	3/4	1,219.33	3/4	858.40	3/4	497.01	3/4	135.64	3/4		3/4		3/4		3/4	
4	1,934.58	4	1,573.18	4	1,211.81	4	850.87	4	489.48	4	128.12	4		4		4		4	
1/4	1,927.05	1/4	1,565.65	1/4	1,204.30	1/4	843.34	1/4	481.95	1/4	120.60	1/4		1/4		1/4		1/4	
1/2	1,919.52	1/2	1,558.12	1/2	1,196.78	1/2	835.81	1/2	474.42	1/2	113.11	1/2		1/2		1/2		1/2	
3/4	1,911.99	3/4	1,550.59	3/4	1,189.26	3/4	828.28	3/4	466.89	3/4	105.62	3/4		3/4		3/4		3/4	
5	1,904.46	5	1,543.06	5	1,181.75	5	820.75	5	459.36	5	98.12	5		5		5		5	
1/4	1,896.93	1/4	1,535.53	1/4	1,174.23	1/4	813.23	1/4	451.83	1/4	90.63	1/4		1/4		1/4		1/4	
1/2	1,889.41	1/2	1,528.00	1/2	1,166.71	1/2	805.70	1/2	444.30	1/2	83.73	1/2		1/2		1/2		1/2	
3/4	1,881.88	3/4	1,520.47	3/4	1,159.20	3/4	798.17	3/4	436.78	3/4	76.83	3/4		3/4		3/4		3/4	
6	1,874.35	6	1,512.95	6	1,151.68	6	790.64	6	429.25	6	69.93	6		6		6		6	
1/4	1,866.82	1/4	1,505.42	1/4	1,144.16	1/4	783.11	1/4	421.72	1/4	63.03	1/4		1/4		1/4		1/4	
1/2	1,859.29	1/2	1,497.89	1/2	1,136.65	1/2	775.58	1/2	414.19	1/2	57.39	1/2		1/2		1/2		1/2	
3/4	1,851.76	3/4	1,490.36	3/4	1,129.13	3/4	768.05	3/4	406.66	3/4	51.74	3/4		3/4		3/4		3/4	
7	1,844.23	7	1,482.83	7	1,121.61	7	760.52	7	399.13	7	46.09	7		7		7		7	
1/4	1,836.70	1/4	1,475.30	1/4	1,114.09	1/4	752.99	1/4	391.60	1/4	40.45	1/4		1/4		1/4		1/4	
1/2	1,829.17	1/2	1,467.77	1/2	1,106.58	1/2	745.46	1/2	384.07	1/2	36.06	1/2		1/2		1/2		1/2	
3/4	1,821.64	3/4	1,460.24	3/4	1,099.06	3/4	737.94	3/4	376.54	3/4	31.67	3/4		3/4		3/4		3/4	
8	1,814.11	8	1,452.71	8	1,091.54	8	730.41	8	369.01	8	27.28	8		8		8		8	
1/4	1,806.58	1/4	1,445.18	1/4	1,084.03	1/4	722.88	1/4	361.49	1/4	22.89	1/4		1/4		1/4		1/4	
1/2	1,799.06	1/2	1,437.65	1/2	1,076.51	1/2	715.35	1/2	353.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,791.53	3/4	1,430.12	3/4	1,068.99	3/4	707.82	3/4	346.43	3/4		3/4		3/4		3/4		3/4	
9	1,784.00	9	1,422.60	9	1,061.48	9	700.29	9	338.90	9		9		9		9		9	
1/4	1,776.47	1/4	1,415.07	1/4	1,053.96	1/4	692.76	1/4	331.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,768.94	1/2	1,407.54	1/2	1,046.44	1/2	685.23	1/2	323.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,761.41	3/4	1,400.01	3/4	1,038.93	3/4	677.70	3/4	316.31	3/4		3/4		3/4		3/4		3/4	
10	1,753.88	10	1,392.48	10	1,031.41	10	670.17	10	308.78	10		10		10		10		10	
1/4	1,746.35	1/4	1,384.95	1/4	1,023.89	1/4	662.65	1/4	301.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,738.82	1/2	1,377.42	1/2	1,016.37	1/2	655.12	1/2	293.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,731.29	3/4	1,369.89	3/4	1,008.86	3/4	647.59	3/4	286.20	3/4		3/4		3/4		3/4		3/4	
11	1,723.76	11	1,362.36	11	1,001.34	11	640.06	11	278.67	11		11		11		11		11	
1/4	1,716.23	1/4	1,354.83	1/4	993.82	1/4	632.53	1/4	271.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,708.70	1/2	1,347.30	1/2	986.31	1/2	625.00	1/2	263.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,701.18	3/4	1,339.77	3/4	978.79	3/4	617.47	3/4	256.08	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/07/2013 CL
CALCULATED: 06/09/2013 CL
PRINTED: 06/09/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "HBC 308"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	0		5,212.57		4,904.01		4,559.25		4,199.49		3,838.21		3,476.94		3,115.67		2,754.40		2,393.05		
1/4		1/4	5,208.25	1/4	4,897.00	1/4	4,551.86	1/4	4,191.96	1/4	3,830.69	1/4	3,469.42	1/4	3,108.14	1/4	2,746.87	1/4	2,385.52		
1/2		1/2	5,203.93	1/2	4,889.99	1/2	4,544.47	1/2	4,184.43	1/2	3,823.16	1/2	3,461.89	1/2	3,100.62	1/2	2,739.34	1/2	2,377.99		
3/4		3/4	5,199.61	3/4	4,882.99	3/4	4,537.08	3/4	4,176.91	3/4	3,815.63	3/4	3,454.36	3/4	3,093.09	3/4	2,731.82	3/4	2,370.46		
1	1	1	5,195.29	1	4,875.98	1	4,529.68	1	4,169.38	1	3,808.11	1	3,446.84	1	3,085.56	1	2,724.29	1	2,362.93		
1/4		1/4	5,189.74	1/4	4,868.94	1/4	4,522.26	1/4	4,161.85	1/4	3,800.58	1/4	3,439.31	1/4	3,078.04	1/4	2,716.77	1/4	2,355.40		
1/2		1/2	5,184.20	1/2	4,861.91	1/2	4,514.84	1/2	4,154.33	1/2	3,793.05	1/2	3,431.78	1/2	3,070.51	1/2	2,709.24	1/2	2,347.87		
3/4		3/4	5,178.65	3/4	4,854.87	3/4	4,507.42	3/4	4,146.80	3/4	3,785.53	3/4	3,424.26	3/4	3,062.98	3/4	2,701.71	3/4	2,340.34		
2	2	2	5,173.11	2	4,847.84	2	4,499.99	2	4,139.27	2	3,778.00	2	3,416.73	2	3,055.46	2	2,694.19	2	2,332.81		
1/4		1/4	5,167.10	1/4	4,840.77	1/4	4,492.54	1/4	4,131.75	1/4	3,770.48	1/4	3,409.20	1/4	3,047.93	1/4	2,686.66	1/4	2,325.28		
1/2		1/2	5,161.09	1/2	4,833.70	1/2	4,485.09	1/2	4,124.22	1/2	3,762.95	1/2	3,401.68	1/2	3,040.40	1/2	2,679.13	1/2	2,317.75		
3/4		3/4	5,155.08	3/4	4,826.64	3/4	4,477.64	3/4	4,116.69	3/4	3,755.42	3/4	3,394.15	3/4	3,032.88	3/4	2,671.61	3/4	2,310.22		
3	3	3	5,149.07	3	4,819.57	3	4,470.19	3	4,109.17	3	3,747.90	3	3,386.62	3	3,025.35	3	2,664.08	3	2,302.70		
1/4		1/4	5,142.43	1/4	4,812.47	1/4	4,462.70	1/4	4,101.64	1/4	3,740.37	1/4	3,379.10	1/4	3,017.83	1/4	2,656.55	1/4	2,295.17		
1/2		1/2	5,135.80	1/2	4,805.38	1/2	4,455.22	1/2	4,094.11	1/2	3,732.84	1/2	3,371.57	1/2	3,010.30	1/2	2,649.03	1/2	2,287.64		
3/4		3/4	5,129.16	3/4	4,798.28	3/4	4,447.74	3/4	4,086.59	3/4	3,725.32	3/4	3,364.04	3/4	3,002.77	3/4	2,641.50	3/4	2,280.11		
4	4	4	5,122.53	4	4,791.19	4	4,440.26	4	4,079.06	4	3,717.79	4	3,356.52	4	2,995.25	4	2,633.97	4	2,272.58		
1/4		1/4	5,115.84	1/4	4,784.06	1/4	4,432.75	1/4	4,071.54	1/4	3,710.26	1/4	3,348.99	1/4	2,987.72	1/4	2,626.45	1/4	2,265.05		
1/2		1/2	5,109.15	1/2	4,776.94	1/2	4,425.24	1/2	4,064.01	1/2	3,702.74	1/2	3,341.46	1/2	2,980.19	1/2	2,618.92	1/2	2,257.52		
3/4		3/4	5,102.46	3/4	4,769.81	3/4	4,417.74	3/4	4,056.48	3/4	3,695.21	3/4	3,333.94	3/4	2,972.67	3/4	2,611.39	3/4	2,249.99		
5	5	5	5,095.77	5	4,762.68	5	4,410.23	5	4,048.96	5	3,687.68	5	3,326.41	5	2,965.14	5	2,603.87	5	2,242.46		
1/4		1/4	5,089.04	1/4	4,755.53	1/4	4,402.70	1/4	4,041.43	1/4	3,680.16	1/4	3,318.89	1/4	2,957.61	1/4	2,596.34	1/4	2,234.93		
1/2		1/2	5,082.32	1/2	4,748.37	1/2	4,395.17	1/2	4,033.90	1/2	3,672.63	1/2	3,311.36	1/2	2,950.09	1/2	2,588.81	1/2	2,227.40		
3/4		3/4	5,075.59	3/4	4,741.22	3/4	4,387.65	3/4	4,026.38	3/4	3,665.10	3/4	3,303.83	3/4	2,942.56	3/4	2,581.28	3/4	2,219.87		
6	6	6	5,068.86	6	4,734.06	6	4,380.12	6	4,018.85	6	3,657.58	6	3,296.31	6	2,935.03	6	2,573.75	6	2,212.34		
1/4		1/4	5,062.10	1/4	4,726.88	1/4	4,372.60	1/4	4,011.32	1/4	3,650.05	1/4	3,288.78	1/4	2,927.51	1/4	2,566.22	1/4	2,204.81		
1/2		1/2	5,055.34	1/2	4,719.69	1/2	4,365.07	1/2	4,003.80	1/2	3,642.52	1/2	3,281.25	1/2	2,919.98	1/2	2,558.69	1/2	2,197.29		
3/4		3/4	5,048.58	3/4	4,712.51	3/4	4,357.54	3/4	3,996.27	3/4	3,635.00	3/4	3,273.73	3/4	2,912.45	3/4	2,551.16	3/4	2,189.76		
7	7	7	5,041.82	7	4,705.32	7	4,350.02	7	3,988.74	7	3,627.47	7	3,266.20	7	2,904.93	7	2,543.63	7	2,182.23		
1/4		1/4	5,035.03	1/4	4,698.08	1/4	4,342.49	1/4	3,981.22	1/4	3,619.95	1/4	3,258.67	1/4	2,897.40	1/4	2,536.10	1/4	2,174.70		
1/2		1/2	5,028.25	1/2	4,690.83	1/2	4,334.96	1/2	3,973.69	1/2	3,612.42	1/2	3,251.15	1/2	2,889.87	1/2	2,528.57	1/2	2,167.17		
3/4		3/4	5,021.46	3/4	4,683.59	3/4	4,327.44	3/4	3,966.16	3/4	3,604.89	3/4	3,243.62	3/4	2,882.35	3/4	2,521.05	3/4	2,159.64		
8	8	8	5,014.67	8	4,676.35	8	4,319.91	8	3,958.64	8	3,597.37	8	3,236.09	8	2,874.82	8	2,513.52	8	2,152.11		
1/4		1/4	5,007.85	1/4	4,669.07	1/4	4,312.38	1/4	3,951.11	1/4	3,589.84	1/4	3,228.57	1/4	2,867.30	1/4	2,505.99	1/4	2,144.58		
1/2		1/2	5,001.03	1/2	4,661.80	1/2	4,304.86	1/2	3,943.58	1/2	3,582.31	1/2	3,221.04	1/2	2,859.77	1/2	2,498.46	1/2	2,137.05		
3/4		3/4	4,994.21	3/4	4,654.53	3/4	4,297.33	3/4	3,936.06	3/4	3,574.79	3/4	3,213.51	3/4	2,852.24	3/4	2,490.93	3/4	2,129.52		
9	9	9	4,987.39	9	4,647.25	9	4,289.80	9	3,928.53	9	3,567.26	9	3,205.99	9	2,844.72	9	2,483.40	9	2,121.99		
1/4		1/4	4,980.47	1/4	4,639.95	1/4	4,282.28	1/4	3,921.01	1/4	3,559.73	1/4	3,198.46	1/4	2,837.19	1/4	2,475.87	1/4	2,114.46		
1/2		1/2	4,973.55	1/2	4,632.65	1/2	4,274.75	1/2	3,913.48	1/2	3,552.21	1/2	3,190.93	1/2	2,829.66	1/2	2,468.34	1/2	2,106.93		
3/4		3/4	4,966.63	3/4	4,625.34	3/4	4,267.22	3/4	3,905.95	3/4	3,544.68	3/4	3,183.41	3/4	2,822.14	3/4	2,460.81	3/4	2,099.40		
10	10	10	4,959.71	10	4,618.04	10	4,259.70	10	3,898.43	10	3,537.15	10	3,175.88	10	2,814.61	10	2,453.28	10	2,091.88		
1/4		1/4	4,952.76	1/4	4,610.70	1/4	4,252.17	1/4	3,890.90	1/4	3,529.63	1/4	3,168.36	1/4	2,807.08	1/4	2,445.75	1/4	2,084.35		
1/2		1/2	4,945.81	1/2	4,603.37	1/2	4,244.64	1/2	3,883.37	1/2	3,522.10	1/2	3,160.83	1/2	2,799.56	1/2	2,438.22	1/2	2,076.82		
3/4		3/4	4,938.87	3/4	4,596.04	3/4	4,237.12	3/4	3,875.85	3/4	3,514.57	3/4	3,153.30	3/4	2,792.03	3/4	2,430.69	3/4	2,069.29		
11	11	11	4,931.92	11	4,588.71	11	4,229.59	11	3,868.32	11	3,507.05	11	3,145.78	11	2,784.50	11	2,423.16	11	2,061.76		
1/4		1/4	4,924.94	1/4	4,581.34	1/4	4,222.07	1/4	3,860.79	1/4	3,499.52	1/4	3,138.25	1/4	2,776.98	1/4	2,415.64	1/4	2,054.23		
1/2		1/2	4,917.96	1/2	4,573.98	1/2	4,214.54	1/2	3,853.27	1/2	3,491.99	1/2	3,130.72	1/2	2,769.45	1/2	2,408.11	1/2	2,046.70		
3/4		3/4	4,910.98	3/4	4,566.62	3/4	4,207.01	3/4	3,845.74	3/4	3,484.47	3/4	3,123.20	3/4	2,761.92	3/4	2,400.58	3/4	2,039.17		

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 TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.

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 "HBC 308"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	2,031.64	0	1,670.23	0	1,308.83	0	961.10	0	602.41	0	241.02	0		0		0		0	
1/4	2,024.11	1/4	1,662.71	1/4	1,301.30	1/4	953.92	1/4	594.88	1/4	233.49	1/4		1/4		1/4		1/4	
1/2	2,016.58	1/2	1,655.18	1/2	1,293.77	1/2	946.73	1/2	587.35	1/2	225.96	1/2		1/2		1/2		1/2	
3/4	2,009.05	3/4	1,647.65	3/4	1,286.24	3/4	939.55	3/4	579.83	3/4	218.43	3/4		3/4		3/4		3/4	
1	2,001.52	1	1,640.12	1	1,278.71	1	932.36	1	572.30	1	210.90	1		1		1		1	
1/4	1,993.99	1/4	1,632.59	1/4	1,271.18	1/4	925.16	1/4	564.77	1/4	203.38	1/4		1/4		1/4		1/4	
1/2	1,986.47	1/2	1,625.06	1/2	1,263.65	1/2	917.97	1/2	557.24	1/2	195.85	1/2		1/2		1/2		1/2	
3/4	1,978.94	3/4	1,617.53	3/4	1,256.12	3/4	910.77	3/4	549.71	3/4	188.32	3/4		3/4		3/4		3/4	
2	1,971.41	2	1,610.00	2	1,248.59	2	903.57	2	542.18	2	180.79	2		2		2		2	
1/4	1,963.88	1/4	1,602.47	1/4	1,241.00	1/4	896.04	1/4	534.65	1/4	173.26	1/4		1/4		1/4		1/4	
1/2	1,956.35	1/2	1,594.94	1/2	1,234.20	1/2	888.51	1/2	527.12	1/2	165.73	1/2		1/2		1/2		1/2	
3/4	1,948.82	3/4	1,587.41	3/4	1,227.00	3/4	880.99	3/4	519.59	3/4	158.21	3/4		3/4		3/4		3/4	
3	1,941.29	3	1,579.88	3	1,219.80	3	873.46	3	512.06	3	150.68	3		3		3		3	
1/4	1,933.76	1/4	1,572.35	1/4	1,212.61	1/4	865.93	1/4	504.54	1/4	143.16	1/4		1/4		1/4		1/4	
1/2	1,926.23	1/2	1,564.82	1/2	1,205.43	1/2	858.40	1/2	497.01	1/2	135.64	1/2		1/2		1/2		1/2	
3/4	1,918.70	3/4	1,557.29	3/4	1,198.24	3/4	850.87	3/4	489.48	3/4	128.12	3/4		3/4		3/4		3/4	
4	1,911.17	4	1,549.77	4	1,191.06	4	843.34	4	481.95	4	120.60	4		4		4		4	
1/4	1,903.64	1/4	1,542.24	1/4	1,183.87	1/4	835.81	1/4	474.42	1/4	113.11	1/4		1/4		1/4		1/4	
1/2	1,896.11	1/2	1,534.71	1/2	1,176.68	1/2	828.28	1/2	466.89	1/2	105.62	1/2		1/2		1/2		1/2	
3/4	1,888.58	3/4	1,527.18	3/4	1,169.50	3/4	820.75	3/4	459.36	3/4	98.12	3/4		3/4		3/4		3/4	
5	1,881.05	5	1,519.65	5	1,162.31	5	813.22	5	451.83	5	90.63	5		5		5		5	
1/4	1,873.53	1/4	1,512.12	1/4	1,155.13	1/4	805.70	1/4	444.30	1/4	83.73	1/4		1/4		1/4		1/4	
1/2	1,866.00	1/2	1,504.59	1/2	1,147.94	1/2	798.17	1/2	436.77	1/2	76.83	1/2		1/2		1/2		1/2	
3/4	1,858.47	3/4	1,497.06	3/4	1,140.75	3/4	790.64	3/4	429.25	3/4	69.93	3/4		3/4		3/4		3/4	
6	1,850.94	6	1,489.53	6	1,133.57	6	783.11	6	421.72	6	63.03	6		6		6		6	
1/4	1,843.41	1/4	1,482.00	1/4	1,126.38	1/4	775.58	1/4	414.19	1/4	57.39	1/4		1/4		1/4		1/4	
1/2	1,835.88	1/2	1,474.47	1/2	1,119.20	1/2	768.05	1/2	406.66	1/2	51.74	1/2		1/2		1/2		1/2	
3/4	1,828.35	3/4	1,466.94	3/4	1,112.01	3/4	760.52	3/4	399.13	3/4	46.09	3/4		3/4		3/4		3/4	
7	1,820.82	7	1,459.41	7	1,104.82	7	752.99	7	391.60	7	40.45	7		7		7		7	
1/4	1,813.29	1/4	1,451.88	1/4	1,097.64	1/4	745.46	1/4	384.07	1/4	36.06	1/4		1/4		1/4		1/4	
1/2	1,805.76	1/2	1,444.36	1/2	1,090.45	1/2	737.93	1/2	376.54	1/2	31.67	1/2		1/2		1/2		1/2	
3/4	1,798.23	3/4	1,436.83	3/4	1,083.27	3/4	730.41	3/4	369.01	3/4	27.28	3/4		3/4		3/4		3/4	
8	1,790.70	8	1,429.30	8	1,076.08	8	722.88	8	361.48	8	22.89	8		8		8		8	
1/4	1,783.17	1/4	1,421.77	1/4	1,068.89	1/4	715.35	1/4	353.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,775.64	1/2	1,414.24	1/2	1,061.71	1/2	707.82	1/2	346.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,768.12	3/4	1,406.71	3/4	1,054.52	3/4	700.29	3/4	338.90	3/4		3/4		3/4		3/4		3/4	
9	1,760.59	9	1,399.18	9	1,047.34	9	692.76	9	331.37	9		9		9		9		9	
1/4	1,753.06	1/4	1,391.65	1/4	1,040.15	1/4	685.23	1/4	323.84	1/4		1/4		1/4		1/4		1/4	
1/2	1,745.53	1/2	1,384.12	1/2	1,032.96	1/2	677.70	1/2	316.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,738.00	3/4	1,376.59	3/4	1,025.78	3/4	670.17	3/4	308.78	3/4		3/4		3/4		3/4		3/4	
10	1,730.47	10	1,369.06	10	1,018.59	10	662.64	10	301.25	10		10		10		10		10	
1/4	1,722.94	1/4	1,361.53	1/4	1,011.41	1/4	655.12	1/4	293.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,715.41	1/2	1,354.00	1/2	1,004.22	1/2	647.59	1/2	286.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,707.88	3/4	1,346.47	3/4	997.03	3/4	640.06	3/4	278.67	3/4		3/4		3/4		3/4		3/4	
11	1,700.35	11	1,338.95	11	989.85	11	632.53	11	271.14	11		11		11		11		11	
1/4	1,692.82	1/4	1,331.42	1/4	982.66	1/4	625.00	1/4	263.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,685.29	1/2	1,323.89	1/2	975.48	1/2	617.47	1/2	256.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,677.76	3/4	1,316.36	3/4	968.29	3/4	609.94	3/4	248.55	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/07/2013 CL
CALCULATED: 06/09/2013 CL
PRINTED: 06/09/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HBC 308"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

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	4,277.46	0	4,092.45	0	3,899.16	0	3,704.91	0	3,503.76	0	3,144.53	0	2,784.03	0	2,422.90
1/4		1/4		1/4	4,273.71	1/4	4,088.49	1/4	3,895.12	1/4	3,700.86	1/4	3,496.27	1/4	3,137.02	1/4	2,776.50	1/4	2,415.38
1/2		1/2	4,425.38	1/2	4,269.95	1/2	4,084.53	1/2	3,891.07	1/2	3,696.81	1/2	3,488.78	1/2	3,129.51	1/2	2,768.98	1/2	2,407.85
3/4		3/4	4,424.50	3/4	4,266.18	3/4	4,080.55	3/4	3,887.02	3/4	3,692.77	3/4	3,481.29	3/4	3,122.00	3/4	2,761.46	3/4	2,400.33
1		1	4,423.63	1	4,262.42	1	4,076.58	1	3,882.98	1	3,688.72	1	3,473.80	1	3,114.49	1	2,753.93	1	2,392.81
1/4		1/4	4,422.76	1/4	4,258.65	1/4	4,072.60	1/4	3,878.93	1/4	3,684.67	1/4	3,466.31	1/4	3,106.98	1/4	2,746.41	1/4	2,385.28
1/2		1/2	4,421.88	1/2	4,254.88	1/2	4,068.63	1/2	3,874.88	1/2	3,680.63	1/2	3,458.82	1/2	3,099.47	1/2	2,738.89	1/2	2,377.76
3/4		3/4	4,419.77	3/4	4,251.09	3/4	4,064.64	3/4	3,870.83	3/4	3,676.58	3/4	3,451.32	3/4	3,091.96	3/4	2,731.37	3/4	2,370.23
2		2	4,417.66	2	4,247.31	2	4,060.64	2	3,866.79	2	3,672.53	2	3,443.83	2	3,084.45	2	2,723.84	2	2,362.71
1/4		1/4	4,415.55	1/4	4,243.52	1/4	4,056.65	1/4	3,862.74	1/4	3,668.48	1/4	3,436.34	1/4	3,076.94	1/4	2,716.32	1/4	2,355.19
1/2		1/2	4,413.43	1/2	4,239.74	1/2	4,052.66	1/2	3,858.69	1/2	3,664.44	1/2	3,428.85	1/2	3,069.43	1/2	2,708.80	1/2	2,347.66
3/4		3/4	4,410.49	3/4	4,235.93	3/4	4,048.65	3/4	3,854.65	3/4	3,660.39	3/4	3,421.36	3/4	3,061.92	3/4	2,701.28	3/4	2,340.14
3		3	4,407.55	3	4,232.13	3	4,044.65	3	3,850.60	3	3,656.34	3	3,413.87	3	3,054.41	3	2,693.75	3	2,332.61
1/4		1/4	4,404.60	1/4	4,228.33	1/4	4,040.64	1/4	3,846.55	1/4	3,652.30	1/4	3,406.38	1/4	3,046.90	1/4	2,686.23	1/4	2,325.09
1/2		1/2	4,401.66	1/2	4,224.53	1/2	4,036.63	1/2	3,842.51	1/2	3,648.25	1/2	3,398.89	1/2	3,039.39	1/2	2,678.71	1/2	2,317.57
3/4		3/4	4,398.11	3/4	4,220.71	3/4	4,032.61	3/4	3,838.46	3/4	3,644.20	3/4	3,391.40	3/4	3,031.88	3/4	2,671.18	3/4	2,310.04
4		4	4,394.56	4	4,216.90	4	4,028.59	4	3,834.41	4	3,640.16	4	3,383.90	4	3,024.37	4	2,663.66	4	2,302.52
1/4		1/4	4,391.01	1/4	4,213.08	1/4	4,024.56	1/4	3,830.36	1/4	3,636.11	1/4	3,376.41	1/4	3,016.86	1/4	2,656.14	1/4	2,294.99
1/2		1/2	4,387.46	1/2	4,209.26	1/2	4,020.54	1/2	3,826.32	1/2	3,632.06	1/2	3,368.92	1/2	3,009.35	1/2	2,648.62	1/2	2,287.47
3/4		3/4	4,383.86	3/4	4,205.43	3/4	4,016.50	3/4	3,822.27	3/4	3,628.01	3/4	3,361.43	3/4	3,001.84	3/4	2,641.09	3/4	2,279.95
5		5	4,380.27	5	4,201.60	5	4,012.46	5	3,818.22	5	3,623.97	5	3,353.94	5	2,994.33	5	2,633.57	5	2,272.42
1/4		1/4	4,376.68	1/4	4,197.76	1/4	4,008.42	1/4	3,814.18	1/4	3,619.92	1/4	3,346.45	1/4	2,986.82	1/4	2,626.05	1/4	2,264.90
1/2		1/2	4,373.08	1/2	4,193.93	1/2	4,004.39	1/2	3,810.13	1/2	3,615.87	1/2	3,338.96	1/2	2,979.31	1/2	2,618.53	1/2	2,257.37
3/4		3/4	4,369.47	3/4	4,190.08	3/4	4,000.34	3/4	3,806.08	3/4	3,611.83	3/4	3,331.48	3/4	2,971.80	3/4	2,611.00	3/4	2,249.85
6		6	4,365.85	6	4,186.23	6	3,996.29	6	3,802.04	6	3,607.78	6	3,324.01	6	2,964.29	6	2,603.48	6	2,242.33
1/4		1/4	4,362.23	1/4	4,182.38	1/4	3,992.24	1/4	3,797.99	1/4	3,603.73	1/4	3,316.53	1/4	2,956.78	1/4	2,595.95	1/4	2,234.80
1/2		1/2	4,358.61	1/2	4,178.53	1/2	3,988.20	1/2	3,793.94	1/2	3,599.69	1/2	3,309.06	1/2	2,949.27	1/2	2,588.43	1/2	2,227.28
3/4		3/4	4,354.98	3/4	4,174.67	3/4	3,984.15	3/4	3,789.89	3/4	3,595.64	3/4	3,301.58	3/4	2,941.76	3/4	2,580.91	3/4	2,219.75
7		7	4,351.34	7	4,170.80	7	3,980.10	7	3,785.85	7	3,591.59	7	3,294.10	7	2,934.25	7	2,573.38	7	2,212.23
1/4		1/4	4,347.71	1/4	4,166.94	1/4	3,976.06	1/4	3,781.80	1/4	3,587.54	1/4	3,286.63	1/4	2,926.74	1/4	2,565.86	1/4	2,204.71
1/2		1/2	4,344.07	1/2	4,163.08	1/2	3,972.01	1/2	3,777.75	1/2	3,583.50	1/2	3,279.15	1/2	2,919.23	1/2	2,558.33	1/2	2,197.18
3/4		3/4	4,340.42	3/4	4,159.18	3/4	3,967.96	3/4	3,773.71	3/4	3,579.45	3/4	3,271.68	3/4	2,911.72	3/4	2,550.81	3/4	2,189.66
8		8	4,336.77	8	4,155.28	8	3,963.92	8	3,769.66	8	3,575.40	8	3,264.20	8	2,904.21	8	2,543.29	8	2,182.13
1/4		1/4	4,333.12	1/4	4,151.39	1/4	3,959.87	1/4	3,765.61	1/4	3,571.36	1/4	3,256.73	1/4	2,896.70	1/4	2,535.76	1/4	2,174.61
1/2		1/2	4,329.47	1/2	4,147.49	1/2	3,955.82	1/2	3,761.57	1/2	3,567.31	1/2	3,249.25	1/2	2,889.19	1/2	2,528.24	1/2	2,167.09
3/4		3/4	4,325.80	3/4	4,143.58	3/4	3,951.77	3/4	3,757.52	3/4	3,563.26	3/4	3,241.78	3/4	2,881.68	3/4	2,520.71	3/4	2,159.56
9		9	4,322.14	9	4,139.67	9	3,947.73	9	3,753.47	9	3,559.22	9	3,234.30	9	2,874.17	9	2,513.19	9	2,152.04
1/4		1/4	4,318.47	1/4	4,135.76	1/4	3,943.68	1/4	3,749.42	1/4	3,555.17	1/4	3,226.83	1/4	2,866.66	1/4	2,505.67	1/4	2,144.51
1/2		1/2	4,314.80	1/2	4,131.85	1/2	3,939.63	1/2	3,745.38	1/2	3,551.12	1/2	3,219.35	1/2	2,859.16	1/2	2,498.14	1/2	2,136.99
3/4		3/4	4,311.08	3/4	4,127.92	3/4	3,935.59	3/4	3,741.33	3/4	3,547.07	3/4	3,211.87	3/4	2,851.65	3/4	2,490.62	3/4	2,129.47
10		10	4,307.36	10	4,123.99	10	3,931.54	10	3,737.28	10	3,543.03	10	3,204.40	10	2,844.14	10	2,483.09	10	2,121.94
1/4		1/4	4,303.64	1/4	4,120.07	1/4	3,927.49	1/4	3,733.24	1/4	3,538.98	1/4	3,196.92	1/4	2,836.63	1/4	2,475.57	1/4	2,114.42
1/2		1/2	4,299.92	1/2	4,116.14	1/2	3,923.45	1/2	3,729.19	1/2	3,534.93	1/2	3,189.45	1/2	2,829.12	1/2	2,468.05	1/2	2,106.89
3/4		3/4	4,296.18	3/4	4,112.19	3/4	3,919.40	3/4	3,725.14	3/4	3,530.89	3/4	3,181.97	3/4	2,821.61	3/4	2,460.52	3/4	2,099.37
11		11	4,292.44	11	4,108.25	11	3,915.35	11	3,721.10	11	3,526.84	11	3,174.50	11	2,814.10	11	2,453.00	11	2,091.85
1/4		1/4	4,288.70	1/4	4,104.31	1/4	3,911.30	1/4	3,717.05	1/4	3,522.79	1/4	3,167.02	1/4	2,806.59	1/4	2,445.47	1/4	2,084.32
1/2		1/2	4,284.97	1/2	4,100.36	1/2	3,907.26	1/2	3,713.00	1/2	3,518.75	1/2	3,159.55	1/2	2,799.08	1/2	2,437.95	1/2	2,076.80
3/4		3/4	4,281.21	3/4	4,096.40	3/4	3,903.21	3/4	3,708.95	3/4	3,511.25	3/4	3,152.04	3/4	2,791.55	3/4	2,430.43	3/4	2,069.27

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 TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 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 "HBC 308"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,061.75	0	1,700.51	0	1,339.28	0	978.33	0	617.19	0	255.97	0		0		0		0	
1/4	2,054.23	1/4	1,692.99	1/4	1,331.75	1/4	970.82	1/4	609.66	1/4	248.44	1/4		1/4		1/4		1/4	
1/2	2,046.70	1/2	1,685.46	1/2	1,324.22	1/2	963.30	1/2	602.14	1/2	240.91	1/2		1/2		1/2		1/2	
3/4	2,039.18	3/4	1,677.94	3/4	1,316.70	3/4	955.79	3/4	594.61	3/4	233.39	3/4		3/4		3/4		3/4	
1	2,031.65	1	1,670.41	1	1,309.17	1	948.27	1	587.09	1	225.86	1		1		1		1	
1/4	2,024.12	1/4	1,662.89	1/4	1,301.65	1/4	940.75	1/4	579.56	1/4	218.34	1/4		1/4		1/4		1/4	
1/2	2,016.60	1/2	1,655.36	1/2	1,294.12	1/2	933.24	1/2	572.04	1/2	210.81	1/2		1/2		1/2		1/2	
3/4	2,009.07	3/4	1,647.83	3/4	1,286.60	3/4	925.72	3/4	564.51	3/4	203.29	3/4		3/4		3/4		3/4	
2	2,001.55	2	1,640.31	2	1,279.07	2	918.20	2	556.99	2	195.76	2		2		2		2	
1/4	1,994.02	1/4	1,632.78	1/4	1,271.54	1/4	910.68	1/4	549.46	1/4	188.24	1/4		1/4		1/4		1/4	
1/2	1,986.50	1/2	1,625.26	1/2	1,264.02	1/2	903.16	1/2	541.93	1/2	180.71	1/2		1/2		1/2		1/2	
3/4	1,978.97	3/4	1,617.73	3/4	1,256.49	3/4	895.63	3/4	534.41	3/4	173.19	3/4		3/4		3/4		3/4	
3	1,971.44	3	1,610.21	3	1,248.97	3	888.11	3	526.88	3	165.66	3		3		3		3	
1/4	1,963.92	1/4	1,602.68	1/4	1,241.44	1/4	880.58	1/4	519.36	1/4	158.14	1/4		1/4		1/4		1/4	
1/2	1,956.39	1/2	1,595.15	1/2	1,233.92	1/2	873.06	1/2	511.83	1/2	150.61	1/2		1/2		1/2		1/2	
3/4	1,948.87	3/4	1,587.63	3/4	1,226.39	3/4	865.53	3/4	504.31	3/4	143.10	3/4		3/4		3/4		3/4	
4	1,941.34	4	1,580.10	4	1,218.87	4	858.01	4	496.78	4	135.58	4		4		4		4	
1/4	1,933.81	1/4	1,572.58	1/4	1,211.35	1/4	850.48	1/4	489.26	1/4	128.07	1/4		1/4		1/4		1/4	
1/2	1,926.29	1/2	1,565.05	1/2	1,203.82	1/2	842.95	1/2	481.73	1/2	120.55	1/2		1/2		1/2		1/2	
3/4	1,918.76	3/4	1,557.52	3/4	1,196.31	3/4	835.43	3/4	474.20	3/4	113.06	3/4		3/4		3/4		3/4	
5	1,911.24	5	1,550.00	5	1,188.79	5	827.90	5	466.68	5	105.57	5		5		5		5	
1/4	1,903.71	1/4	1,542.47	1/4	1,181.27	1/4	820.38	1/4	459.15	1/4	98.08	1/4		1/4		1/4		1/4	
1/2	1,896.19	1/2	1,534.95	1/2	1,173.76	1/2	812.85	1/2	451.63	1/2	90.59	1/2		1/2		1/2		1/2	
3/4	1,888.66	3/4	1,527.42	3/4	1,166.24	3/4	805.33	3/4	444.10	3/4	83.70	3/4		3/4		3/4		3/4	
6	1,881.13	6	1,519.90	6	1,158.73	6	797.80	6	436.58	6	76.80	6		6		6		6	
1/4	1,873.61	1/4	1,512.37	1/4	1,151.21	1/4	790.28	1/4	429.05	1/4	69.90	1/4		1/4		1/4		1/4	
1/2	1,866.08	1/2	1,504.84	1/2	1,143.69	1/2	782.75	1/2	421.53	1/2	63.01	1/2		1/2		1/2		1/2	
3/4	1,858.56	3/4	1,497.32	3/4	1,136.18	3/4	775.22	3/4	414.00	3/4	57.36	3/4		3/4		3/4		3/4	
7	1,851.03	7	1,489.79	7	1,128.66	7	767.70	7	406.48	7	51.72	7		7		7		7	
1/4	1,843.50	1/4	1,482.27	1/4	1,121.14	1/4	760.17	1/4	398.95	1/4	46.08	1/4		1/4		1/4		1/4	
1/2	1,835.98	1/2	1,474.74	1/2	1,113.63	1/2	752.65	1/2	391.42	1/2	40.43	1/2		1/2		1/2		1/2	
3/4	1,828.45	3/4	1,467.21	3/4	1,106.11	3/4	745.12	3/4	383.90	3/4	36.05	3/4		3/4		3/4		3/4	
8	1,820.93	8	1,459.69	8	1,098.59	8	737.60	8	376.37	8	31.66	8		8		8		8	
1/4	1,813.40	1/4	1,452.16	1/4	1,091.08	1/4	730.07	1/4	368.85	1/4	27.27	1/4		1/4		1/4		1/4	
1/2	1,805.88	1/2	1,444.64	1/2	1,083.56	1/2	722.55	1/2	361.32	1/2	22.88	1/2		1/2		1/2		1/2	
3/4	1,798.35	3/4	1,437.11	3/4	1,076.05	3/4	715.02	3/4	353.80	3/4		3/4		3/4		3/4		3/4	
9	1,790.82	9	1,429.59	9	1,068.53	9	707.50	9	346.27	9		9		9		9		9	
1/4	1,783.30	1/4	1,422.06	1/4	1,061.01	1/4	699.97	1/4	338.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,775.77	1/2	1,414.53	1/2	1,053.50	1/2	692.44	1/2	331.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,768.25	3/4	1,407.01	3/4	1,045.98	3/4	684.92	3/4	323.69	3/4		3/4		3/4		3/4		3/4	
10	1,760.72	10	1,399.48	10	1,038.46	10	677.39	10	316.17	10		10		10		10		10	
1/4	1,753.20	1/4	1,391.96	1/4	1,030.95	1/4	669.87	1/4	308.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,745.67	1/2	1,384.43	1/2	1,023.43	1/2	662.34	1/2	301.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,738.14	3/4	1,376.91	3/4	1,015.92	3/4	654.82	3/4	293.59	3/4		3/4		3/4		3/4		3/4	
11	1,730.62	11	1,369.38	11	1,008.40	11	647.29	11	286.07	11		11		11		11		11	
1/4	1,723.09	1/4	1,361.85	1/4	1,000.88	1/4	639.77	1/4	278.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,715.57	1/2	1,354.33	1/2	993.37	1/2	632.24	1/2	271.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,708.04	3/4	1,346.80	3/4	985.85	3/4	624.71	3/4	263.49	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/07/2013 CL
CALCULATED: 06/09/2013 CL
PRINTED: 06/09/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

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



BARGE "HBC 308"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	4,232.60	0	4,048.66	0	3,856.59	0	3,663.64	0	3,460.38	0	3,102.97	0	2,744.48	0	2,385.20
1/4		1/4	4,383.12	1/4	4,228.87	1/4	4,044.72	1/4	3,852.57	1/4	3,659.62	1/4	3,452.93	1/4	3,095.50	1/4	2,737.00	1/4	2,377.72
1/2		1/2	4,382.26	1/2	4,225.13	1/2	4,040.78	1/2	3,848.55	1/2	3,655.60	1/2	3,445.48	1/2	3,088.03	1/2	2,729.51	1/2	2,370.23
3/4		3/4	4,381.41	3/4	4,221.39	3/4	4,036.83	3/4	3,844.53	3/4	3,651.58	3/4	3,438.02	3/4	3,080.55	3/4	2,722.03	3/4	2,362.75
1		1	4,380.55	1	4,217.65	1	4,032.88	1	3,840.51	1	3,647.56	1	3,430.57	1	3,073.08	1	2,714.54	1	2,355.26
1/4		1/4	4,379.70	1/4	4,213.90	1/4	4,028.93	1/4	3,836.49	1/4	3,643.54	1/4	3,423.12	1/4	3,065.61	1/4	2,707.06	1/4	2,347.77
1/2		1/2	4,377.60	1/2	4,210.14	1/2	4,024.97	1/2	3,832.47	1/2	3,639.52	1/2	3,415.67	1/2	3,058.15	1/2	2,699.57	1/2	2,340.29
3/4		3/4	4,375.51	3/4	4,206.39	3/4	4,021.00	3/4	3,828.45	3/4	3,635.50	3/4	3,408.21	3/4	3,050.68	3/4	2,692.09	3/4	2,332.80
2		2	4,373.42	2	4,202.63	2	4,017.04	2	3,824.43	2	3,631.48	2	3,400.76	2	3,043.22	2	2,684.61	2	2,325.32
1/4		1/4	4,371.33	1/4	4,198.87	1/4	4,013.07	1/4	3,820.41	1/4	3,627.46	1/4	3,393.31	1/4	3,035.76	1/4	2,677.12	1/4	2,317.83
1/2		1/2	4,368.41	1/2	4,195.09	1/2	4,009.09	1/2	3,816.39	1/2	3,623.44	1/2	3,385.86	1/2	3,028.29	1/2	2,669.64	1/2	2,310.35
3/4		3/4	4,365.49	3/4	4,191.32	3/4	4,005.11	3/4	3,812.37	3/4	3,619.42	3/4	3,378.40	3/4	3,020.83	3/4	2,662.15	3/4	2,302.86
3		3	4,362.57	3	4,187.54	3	4,001.13	3	3,808.35	3	3,615.40	3	3,370.95	3	3,013.36	3	2,654.67	3	2,295.37
1/4		1/4	4,359.65	1/4	4,183.77	1/4	3,997.15	1/4	3,804.33	1/4	3,611.38	1/4	3,363.50	1/4	3,005.90	1/4	2,647.19	1/4	2,287.89
1/2		1/2	4,356.12	1/2	4,179.98	1/2	3,993.16	1/2	3,800.31	1/2	3,607.36	1/2	3,356.04	1/2	2,998.44	1/2	2,639.70	1/2	2,280.40
3/4		3/4	4,352.60	3/4	4,176.19	3/4	3,989.16	3/4	3,796.29	3/4	3,603.34	3/4	3,348.59	3/4	2,990.97	3/4	2,632.22	3/4	2,272.92
4		4	4,349.07	4	4,172.40	4	3,985.16	4	3,792.27	4	3,599.32	4	3,341.14	4	2,983.51	4	2,624.73	4	2,265.43
1/4		1/4	4,345.55	1/4	4,168.61	1/4	3,981.17	1/4	3,788.25	1/4	3,595.30	1/4	3,333.69	1/4	2,976.05	1/4	2,617.25	1/4	2,257.95
1/2		1/2	4,341.98	1/2	4,164.80	1/2	3,977.16	1/2	3,784.23	1/2	3,591.28	1/2	3,326.23	1/2	2,968.58	1/2	2,609.77	1/2	2,250.46
3/4		3/4	4,338.41	3/4	4,160.99	3/4	3,973.15	3/4	3,780.21	3/4	3,587.26	3/4	3,318.78	3/4	2,961.12	3/4	2,602.28	3/4	2,242.98
5		5	4,334.84	5	4,157.19	5	3,969.14	5	3,776.19	5	3,583.24	5	3,311.33	5	2,953.65	5	2,594.80	5	2,235.49
1/4		1/4	4,331.28	1/4	4,153.38	1/4	3,965.13	1/4	3,772.17	1/4	3,579.22	1/4	3,303.88	1/4	2,946.19	1/4	2,587.31	1/4	2,228.00
1/2		1/2	4,327.69	1/2	4,149.56	1/2	3,961.11	1/2	3,768.15	1/2	3,575.20	1/2	3,296.44	1/2	2,938.73	1/2	2,579.83	1/2	2,220.52
3/4		3/4	4,324.09	3/4	4,145.73	3/4	3,957.09	3/4	3,764.13	3/4	3,571.18	3/4	3,289.00	3/4	2,931.26	3/4	2,572.34	3/4	2,213.03
6		6	4,320.50	6	4,141.91	6	3,953.07	6	3,760.11	6	3,567.16	6	3,281.56	6	2,923.80	6	2,564.86	6	2,205.55
1/4		1/4	4,316.91	1/4	4,138.09	1/4	3,949.05	1/4	3,756.09	1/4	3,563.14	1/4	3,274.13	1/4	2,916.34	1/4	2,557.37	1/4	2,198.06
1/2		1/2	4,313.30	1/2	4,134.25	1/2	3,945.03	1/2	3,752.07	1/2	3,559.12	1/2	3,266.69	1/2	2,908.87	1/2	2,549.89	1/2	2,190.58
3/4		3/4	4,309.69	3/4	4,130.41	3/4	3,941.01	3/4	3,748.05	3/4	3,555.10	3/4	3,259.25	3/4	2,901.41	3/4	2,542.40	3/4	2,183.09
7		7	4,306.08	7	4,126.57	7	3,936.99	7	3,744.03	7	3,551.08	7	3,251.82	7	2,893.94	7	2,534.91	7	2,175.61
1/4		1/4	4,302.47	1/4	4,122.74	1/4	3,932.97	1/4	3,740.01	1/4	3,547.06	1/4	3,244.38	1/4	2,886.48	1/4	2,527.43	1/4	2,168.12
1/2		1/2	4,298.85	1/2	4,118.87	1/2	3,928.95	1/2	3,735.99	1/2	3,543.04	1/2	3,236.94	1/2	2,879.01	1/2	2,519.94	1/2	2,160.63
3/4		3/4	4,295.22	3/4	4,115.00	3/4	3,924.93	3/4	3,731.97	3/4	3,539.02	3/4	3,229.50	3/4	2,871.54	3/4	2,512.46	3/4	2,153.15
8		8	4,291.60	8	4,111.13	8	3,920.91	8	3,727.95	8	3,535.00	8	3,222.07	8	2,864.07	8	2,504.97	8	2,145.66
1/4		1/4	4,287.97	1/4	4,107.26	1/4	3,916.89	1/4	3,723.93	1/4	3,530.98	1/4	3,214.63	1/4	2,856.59	1/4	2,497.49	1/4	2,138.18
1/2		1/2	4,284.33	1/2	4,103.38	1/2	3,912.87	1/2	3,719.91	1/2	3,526.96	1/2	3,207.19	1/2	2,849.12	1/2	2,490.00	1/2	2,130.69
3/4		3/4	4,280.69	3/4	4,099.49	3/4	3,908.85	3/4	3,715.89	3/4	3,522.94	3/4	3,199.76	3/4	2,841.65	3/4	2,482.51	3/4	2,123.21
9		9	4,277.05	9	4,095.61	9	3,904.83	9	3,711.88	9	3,518.92	9	3,192.32	9	2,834.18	9	2,475.03	9	2,115.72
1/4		1/4	4,273.41	1/4	4,091.72	1/4	3,900.81	1/4	3,707.86	1/4	3,514.90	1/4	3,184.88	1/4	2,826.71	1/4	2,467.54	1/4	2,108.23
1/2		1/2	4,269.71	1/2	4,087.82	1/2	3,896.79	1/2	3,703.84	1/2	3,510.88	1/2	3,177.44	1/2	2,819.24	1/2	2,460.06	1/2	2,100.75
3/4		3/4	4,266.02	3/4	4,083.92	3/4	3,892.77	3/4	3,699.82	3/4	3,506.86	3/4	3,170.01	3/4	2,811.77	3/4	2,452.57	3/4	2,093.26
10		10	4,262.32	10	4,080.02	10	3,888.75	10	3,695.80	10	3,502.84	10	3,162.57	10	2,804.29	10	2,445.09	10	2,085.78
1/4		1/4	4,258.63	1/4	4,076.12	1/4	3,884.73	1/4	3,691.78	1/4	3,498.82	1/4	3,155.13	1/4	2,796.82	1/4	2,437.60	1/4	2,078.29
1/2		1/2	4,254.92	1/2	4,072.20	1/2	3,880.71	1/2	3,687.76	1/2	3,494.80	1/2	3,147.69	1/2	2,789.35	1/2	2,430.12	1/2	2,070.81
3/4		3/4	4,251.21	3/4	4,068.29	3/4	3,876.69	3/4	3,683.74	3/4	3,490.78	3/4	3,140.26	3/4	2,781.88	3/4	2,422.63	3/4	2,063.32
11		11	4,247.49	11	4,064.37	11	3,872.67	11	3,679.72	11	3,486.76	11	3,132.82	11	2,774.41	11	2,415.14	11	2,055.84
1/4		1/4	4,243.78	1/4	4,060.45	1/4	3,868.65	1/4	3,675.70	1/4	3,482.74	1/4	3,125.38	1/4	2,766.94	1/4	2,407.66	1/4	2,048.35
1/2		1/2	4,240.06	1/2	4,056.52	1/2	3,864.63	1/2	3,671.68	1/2	3,475.29	1/2	3,117.91	1/2	2,759.45	1/2	2,400.17	1/2	2,040.86
3/4		3/4	4,236.33	3/4	4,052.59	3/4	3,860.61	3/4	3,667.66	3/4	3,467.84	3/4	3,110.44	3/4	2,751.97	3/4	2,392.69	3/4	2,033.38

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 TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 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 "HBC 308"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,025.89	0	1,666.50	0	1,308.53	0	959.60	0	606.77	0	247.28	0		0		0		0	
1/4	2,018.41	1/4	1,659.02	1/4	1,301.11	1/4	952.45	1/4	599.28	1/4	239.79	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,010.92	1/2	1,651.53	1/2	1,293.68	1/2	945.30	1/2	591.79	1/2	232.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,003.43	3/4	1,644.04	3/4	1,286.26	3/4	938.15	3/4	584.31	3/4	224.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,995.95	1	1,636.56	1	1,278.83	1	931.00	1	576.82	1	217.32	1	1	1	1	1	1	1	1
1/4	1,988.46	1/4	1,629.07	1/4	1,271.41	1/4	923.85	1/4	569.33	1/4	209.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,980.97	1/2	1,621.58	1/2	1,263.98	1/2	916.69	1/2	561.84	1/2	202.35	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,973.48	3/4	1,614.09	3/4	1,256.55	3/4	909.54	3/4	554.35	3/4	194.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,966.00	2	1,606.61	2	1,249.13	2	902.38	2	546.86	2	187.37	2	2	2	2	2	2	2	2
1/4	1,958.51	1/4	1,599.12	1/4	1,241.70	1/4	895.23	1/4	539.37	1/4	179.88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,951.02	1/2	1,591.63	1/2	1,234.29	1/2	888.05	1/2	531.88	1/2	172.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,943.53	3/4	1,584.14	3/4	1,226.88	3/4	880.87	3/4	524.39	3/4	164.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,936.05	3	1,576.66	3	1,219.48	3	873.70	3	516.90	3	157.41	3	3	3	3	3	3	3	3
1/4	1,928.56	1/4	1,569.17	1/4	1,212.07	1/4	866.52	1/4	509.41	1/4	149.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,921.07	1/2	1,561.68	1/2	1,204.66	1/2	859.34	1/2	501.92	1/2	142.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,913.59	3/4	1,554.19	3/4	1,197.25	3/4	852.16	3/4	494.43	3/4	134.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,906.10	4	1,546.71	4	1,189.85	4	844.99	4	486.94	4	127.47	4	4	4	4	4	4	4	4
1/4	1,898.61	1/4	1,539.22	1/4	1,182.44	1/4	837.81	1/4	479.45	1/4	119.99	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,891.12	1/2	1,531.73	1/2	1,175.01	1/2	830.60	1/2	471.96	1/2	112.53	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,883.64	3/4	1,524.25	3/4	1,167.57	3/4	823.40	3/4	464.47	3/4	105.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,876.15	5	1,516.76	5	1,160.13	5	816.19	5	456.99	5	97.62	5	5	5	5	5	5	5	5
1/4	1,868.66	1/4	1,509.27	1/4	1,152.70	1/4	808.99	1/4	449.50	1/4	90.17	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,861.17	1/2	1,501.78	1/2	1,145.55	1/2	801.50	1/2	442.01	1/2	83.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,853.69	3/4	1,494.30	3/4	1,138.40	3/4	794.01	3/4	434.52	3/4	76.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,846.20	6	1,486.81	6	1,131.24	6	786.52	6	427.03	6	69.61	6	6	6	6	6	6	6	6
1/4	1,838.71	1/4	1,479.32	1/4	1,124.09	1/4	779.03	1/4	419.54	1/4	62.76	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,831.23	1/2	1,471.90	1/2	1,116.94	1/2	771.54	1/2	412.05	1/2	57.15	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,823.74	3/4	1,464.47	3/4	1,109.79	3/4	764.05	3/4	404.56	3/4	51.53	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,816.25	7	1,457.05	7	1,102.64	7	756.56	7	397.07	7	45.92	7	7	7	7	7	7	7	7
1/4	1,808.76	1/4	1,449.62	1/4	1,095.49	1/4	749.07	1/4	389.58	1/4	40.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,801.28	1/2	1,442.19	1/2	1,088.33	1/2	741.58	1/2	382.09	1/2	35.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,793.79	3/4	1,434.77	3/4	1,081.18	3/4	734.09	3/4	374.60	3/4	31.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,786.30	8	1,427.34	8	1,074.03	8	726.60	8	367.11	8	27.18	8	8	8	8	8	8	8	8
1/4	1,778.81	1/4	1,419.92	1/4	1,066.88	1/4	719.11	1/4	359.62	1/4	22.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,771.33	1/2	1,412.49	1/2	1,059.73	1/2	711.62	1/2	352.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,763.84	3/4	1,405.07	3/4	1,052.58	3/4	704.14	3/4	344.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,756.35	9	1,397.64	9	1,045.42	9	696.65	9	337.15	9		9	9	9	9	9	9	9	9
1/4	1,748.86	1/4	1,390.21	1/4	1,038.27	1/4	689.16	1/4	329.67	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,741.38	1/2	1,382.79	1/2	1,031.12	1/2	681.67	1/2	322.18	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,733.89	3/4	1,375.36	3/4	1,023.97	3/4	674.18	3/4	314.69	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,726.40	10	1,367.94	10	1,016.82	10	666.69	10	307.20	10		10	10	10	10	10	10	10	10
1/4	1,718.92	1/4	1,360.51	1/4	1,009.67	1/4	659.20	1/4	299.71	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,711.43	1/2	1,353.09	1/2	1,002.51	1/2	651.71	1/2	292.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,703.94	3/4	1,345.66	3/4	995.36	3/4	644.22	3/4	284.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,696.45	11	1,338.24	11	988.21	11	636.73	11	277.24	11		11	11	11	11	11	11	11	11
1/4	1,688.97	1/4	1,330.81	1/4	981.06	1/4	629.24	1/4	269.75	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,681.48	1/2	1,323.38	1/2	973.91	1/2	621.75	1/2	262.26	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,673.99	3/4	1,315.96	3/4	966.76	3/4	614.26	3/4	254.77	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/07/2013 CL
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CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2013

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