



BARGE "HBC 308"

INNAGE 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 INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

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 INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.97	0	362.87	0	725.65	0	1,088.19	0	1,450.74	0	1,813.54	0	2,176.33	0	2,539.12	0	2,901.82	0	3,264.49
1/4	27.38	1/4	370.43	1/4	733.21	1/4	1,095.74	1/4	1,458.30	1/4	1,821.10	1/4	2,183.89	1/4	2,546.68	1/4	2,909.38	1/4	3,272.04
1/2	31.79	1/2	377.99	1/2	740.77	1/2	1,103.29	1/2	1,465.86	1/2	1,828.65	1/2	2,191.45	1/2	2,554.24	1/2	2,916.93	1/2	3,279.60
3/4	36.20	3/4	385.55	3/4	748.33	3/4	1,110.83	3/4	1,473.42	3/4	1,836.21	3/4	2,199.01	3/4	2,561.80	3/4	2,924.49	3/4	3,287.15
1	40.60	1	393.11	1	755.88	1	1,118.38	1	1,480.98	1	1,843.77	1	2,206.56	1	2,569.36	1	2,932.04	1	3,294.71
1/4	46.27	1/4	400.66	1/4	763.44	1/4	1,125.92	1/4	1,488.53	1/4	1,851.33	1/4	2,214.12	1/4	2,576.92	1/4	2,939.60	1/4	3,302.26
1/2	51.94	1/2	408.22	1/2	771.00	1/2	1,133.47	1/2	1,496.09	1/2	1,858.89	1/2	2,221.68	1/2	2,584.47	1/2	2,947.15	1/2	3,309.82
3/4	57.61	3/4	415.78	3/4	778.56	3/4	1,141.02	3/4	1,503.65	3/4	1,866.44	3/4	2,229.24	3/4	2,592.03	3/4	2,954.71	3/4	3,317.37
2	63.27	2	423.34	2	786.12	2	1,148.56	2	1,511.21	2	1,874.00	2	2,236.80	2	2,599.59	2	2,962.27	2	3,324.93
1/4	70.20	1/4	430.90	1/4	793.67	1/4	1,156.11	1/4	1,518.77	1/4	1,881.56	1/4	2,244.35	1/4	2,607.15	1/4	2,969.82	1/4	3,332.48
1/2	77.13	1/2	438.45	1/2	801.23	1/2	1,163.65	1/2	1,526.33	1/2	1,889.12	1/2	2,251.91	1/2	2,614.71	1/2	2,977.38	1/2	3,340.04
3/4	84.05	3/4	446.01	3/4	808.79	3/4	1,171.20	3/4	1,533.88	3/4	1,896.68	3/4	2,259.47	3/4	2,622.26	3/4	2,984.93	3/4	3,347.60
3	90.98	3	453.57	3	816.35	3	1,178.75	3	1,541.44	3	1,904.24	3	2,267.03	3	2,629.82	3	2,992.49	3	3,355.15
1/4	98.50	1/4	461.13	1/4	823.91	1/4	1,186.29	1/4	1,549.00	1/4	1,911.79	1/4	2,274.59	1/4	2,637.38	1/4	3,000.04	1/4	3,362.71
1/2	106.02	1/2	468.68	1/2	831.46	1/2	1,193.84	1/2	1,556.56	1/2	1,919.35	1/2	2,282.15	1/2	2,644.93	1/2	3,007.60	1/2	3,370.26
3/4	113.55	3/4	476.24	3/4	839.02	3/4	1,201.38	3/4	1,564.12	3/4	1,926.91	3/4	2,289.70	3/4	2,652.49	3/4	3,015.15	3/4	3,377.82
4	121.07	4	483.80	4	846.58	4	1,208.93	4	1,571.68	4	1,934.47	4	2,297.26	4	2,660.05	4	3,022.71	4	3,385.37
1/4	128.61	1/4	491.36	1/4	854.14	1/4	1,216.48	1/4	1,579.23	1/4	1,942.03	1/4	2,304.82	1/4	2,667.60	1/4	3,030.26	1/4	3,392.93
1/2	136.16	1/2	498.92	1/2	861.70	1/2	1,224.02	1/2	1,586.79	1/2	1,949.59	1/2	2,312.38	1/2	2,675.16	1/2	3,037.82	1/2	3,400.48
3/4	143.71	3/4	506.47	3/4	869.25	3/4	1,231.57	3/4	1,594.35	3/4	1,957.14	3/4	2,319.94	3/4	2,682.71	3/4	3,045.38	3/4	3,408.04
5	151.26	5	514.03	5	876.81	5	1,239.11	5	1,601.91	5	1,964.70	5	2,327.50	5	2,690.27	5	3,052.93	5	3,415.60
1/4	158.81	1/4	521.59	1/4	884.37	1/4	1,246.67	1/4	1,609.47	1/4	1,972.26	1/4	2,335.05	1/4	2,697.82	1/4	3,060.49	1/4	3,423.15
1/2	166.37	1/2	529.15	1/2	891.93	1/2	1,254.23	1/2	1,617.02	1/2	1,979.82	1/2	2,342.61	1/2	2,705.38	1/2	3,068.04	1/2	3,430.71
3/4	173.93	3/4	536.71	3/4	899.48	3/4	1,261.79	3/4	1,624.58	3/4	1,987.38	3/4	2,350.17	3/4	2,712.93	3/4	3,075.60	3/4	3,438.26
6	181.48	6	544.26	6	907.04	6	1,269.35	6	1,632.14	6	1,994.93	6	2,357.73	6	2,720.49	6	3,083.15	6	3,445.82
1/4	189.04	1/4	551.82	1/4	914.60	1/4	1,276.91	1/4	1,639.70	1/4	2,002.49	1/4	2,365.29	1/4	2,728.04	1/4	3,090.71	1/4	3,453.37
1/2	196.60	1/2	559.38	1/2	922.16	1/2	1,284.46	1/2	1,647.26	1/2	2,010.05	1/2	2,372.84	1/2	2,735.60	1/2	3,098.26	1/2	3,460.93
3/4	204.16	3/4	566.94	3/4	929.72	3/4	1,292.02	3/4	1,654.82	3/4	2,017.61	3/4	2,380.40	3/4	2,743.16	3/4	3,105.82	3/4	3,468.48
7	211.72	7	574.50	7	937.27	7	1,299.58	7	1,662.37	7	2,025.17	7	2,387.96	7	2,750.71	7	3,113.38	7	3,476.04
1/4	219.27	1/4	582.05	1/4	944.82	1/4	1,307.14	1/4	1,669.93	1/4	2,032.73	1/4	2,395.52	1/4	2,758.27	1/4	3,120.93	1/4	3,483.59
1/2	226.83	1/2	589.61	1/2	952.37	1/2	1,314.70	1/2	1,677.49	1/2	2,040.28	1/2	2,403.08	1/2	2,765.82	1/2	3,128.49	1/2	3,491.15
3/4	234.39	3/4	597.17	3/4	959.91	3/4	1,322.25	3/4	1,685.05	3/4	2,047.84	3/4	2,410.64	3/4	2,773.38	3/4	3,136.04	3/4	3,498.71
8	241.95	8	604.73	8	967.46	8	1,329.81	8	1,692.61	8	2,055.40	8	2,418.19	8	2,780.93	8	3,143.60	8	3,506.26
1/4	249.51	1/4	612.28	1/4	975.00	1/4	1,337.37	1/4	1,700.16	1/4	2,062.96	1/4	2,425.75	1/4	2,788.49	1/4	3,151.15	1/4	3,513.82
1/2	257.06	1/2	619.84	1/2	982.55	1/2	1,344.93	1/2	1,707.72	1/2	2,070.52	1/2	2,433.31	1/2	2,796.04	1/2	3,158.71	1/2	3,521.37
3/4	264.62	3/4	627.40	3/4	990.10	3/4	1,352.49	3/4	1,715.28	3/4	2,078.07	3/4	2,440.87	3/4	2,803.60	3/4	3,166.26	3/4	3,528.93
9	272.18	9	634.96	9	997.64	9	1,360.05	9	1,722.84	9	2,085.63	9	2,448.43	9	2,811.16	9	3,173.82	9	3,536.48
1/4	279.74	1/4	642.52	1/4	1,005.19	1/4	1,367.60	1/4	1,730.40	1/4	2,093.19	1/4	2,455.98	1/4	2,818.71	1/4	3,181.37	1/4	3,544.04
1/2	287.29	1/2	650.07	1/2	1,012.73	1/2	1,375.16	1/2	1,737.96	1/2	2,100.75	1/2	2,463.54	1/2	2,826.27	1/2	3,188.93	1/2	3,551.59
3/4	294.85	3/4	657.63	3/4	1,020.28	3/4	1,382.72	3/4	1,745.51	3/4	2,108.31	3/4	2,471.10	3/4	2,833.82	3/4	3,196.49	3/4	3,559.15
10	302.41	10	665.19	10	1,027.83	10	1,390.28	10	1,753.07	10	2,115.87	10	2,478.66	10	2,841.38	10	3,204.04	10	3,566.71
1/4	309.97	1/4	672.75	1/4	1,035.37	1/4	1,397.84	1/4	1,760.63	1/4	2,123.42	1/4	2,486.22	1/4	2,848.93	1/4	3,211.60	1/4	3,574.26
1/2	317.53	1/2	680.31	1/2	1,042.92	1/2	1,405.39	1/2	1,768.19	1/2	2,130.98	1/2	2,493.78	1/2	2,856.49	1/2	3,219.15	1/2	3,581.82
3/4	325.08	3/4	687.86	3/4	1,050.46	3/4	1,412.95	3/4	1,775.75	3/4	2,138.54	3/4	2,501.33	3/4	2,864.04	3/4	3,226.71	3/4	3,589.37
11	332.64	11	695.42	11	1,058.01	11	1,420.51	11	1,783.30	11	2,146.10	11	2,508.89	11	2,871.60	11	3,234.26	11	3,596.93
1/4	340.20	1/4	702.98	1/4	1,065.56	1/4	1,428.07	1/4	1,790.86	1/4	2,153.66	1/4	2,516.45	1/4	2,879.15	1/4	3,241.82	1/4	3,604.48
1/2	347.76	1/2	710.54	1/2	1,073.10	1/2	1,435.63	1/2	1,798.42	1/2	2,161.21	1/2	2,524.01	1/2	2,886.71	1/2	3,249.37	1/2	3,612.04
3/4	355.32	3/4	718.10	3/4	1,080.65	3/4	1,443.19	3/4	1,805.98	3/4	2,168.77	3/4	2,531.57	3/4	2,894.27	3/4	3,256.93	3/4	3,619.59

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 INNAGE 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 INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,627.15	0	3,989.81	0	4,352.48	0	4,710.29	0	5,049.90	0		0		0		0		0	
1/4	3,634.70	1/4	3,997.37	1/4	4,360.03	1/4	4,717.56	1/4	5,056.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,642.26	1/2	4,004.92	1/2	4,367.59	1/2	4,724.84	1/2	5,063.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,649.82	3/4	4,012.48	3/4	4,375.14	3/4	4,732.11	3/4	5,070.34	3/4		3/4		3/4		3/4		3/4	
1	3,657.37	1	4,020.04	1	4,382.70	1	4,739.38	1	5,077.16	1		1		1		1		1	
1/4	3,664.93	1/4	4,027.59	1/4	4,390.25	1/4	4,746.59	1/4	5,083.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,672.48	1/2	4,035.15	1/2	4,397.81	1/2	4,753.80	1/2	5,090.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,680.04	3/4	4,042.70	3/4	4,405.37	3/4	4,761.02	3/4	5,097.51	3/4		3/4		3/4		3/4		3/4	
2	3,687.59	2	4,050.26	2	4,412.92	2	4,768.23	2	5,104.30	2		2		2		2		2	
1/4	3,695.15	1/4	4,057.81	1/4	4,420.48	1/4	4,775.41	1/4	5,111.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,702.70	1/2	4,065.37	1/2	4,428.03	1/2	4,782.59	1/2	5,117.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,710.26	3/4	4,072.92	3/4	4,435.59	3/4	4,789.78	3/4	5,124.56	3/4		3/4		3/4		3/4		3/4	
3	3,717.82	3	4,080.48	3	4,443.14	3	4,796.96	3	5,131.31	3		3		3		3		3	
1/4	3,725.37	1/4	4,088.03	1/4	4,450.68	1/4	4,804.11	1/4	5,138.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,732.93	1/2	4,095.59	1/2	4,458.22	1/2	4,811.27	1/2	5,144.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,740.48	3/4	4,103.15	3/4	4,465.76	3/4	4,818.42	3/4	5,151.45	3/4		3/4		3/4		3/4		3/4	
4	3,748.04	4	4,110.70	4	4,473.30	4	4,825.57	4	5,158.17	4		4		4		4		4	
1/4	3,755.59	1/4	4,118.26	1/4	4,480.81	1/4	4,832.69	1/4	5,164.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,763.15	1/2	4,125.81	1/2	4,488.32	1/2	4,839.82	1/2	5,171.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,770.70	3/4	4,133.37	3/4	4,495.83	3/4	4,846.94	3/4	5,178.15	3/4		3/4		3/4		3/4		3/4	
5	3,778.26	5	4,140.92	5	4,503.34	5	4,854.06	5	5,184.80	5		5		5		5		5	
1/4	3,785.81	1/4	4,148.48	1/4	4,510.82	1/4	4,861.16	1/4	5,190.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,793.37	1/2	4,156.03	1/2	4,518.30	1/2	4,868.25	1/2	5,196.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,800.93	3/4	4,163.59	3/4	4,525.78	3/4	4,875.34	3/4	5,202.90	3/4		3/4		3/4		3/4		3/4	
6	3,808.48	6	4,171.15	6	4,533.27	6	4,882.43	6	5,208.94	6		6		6		6		6	
1/4	3,816.04	1/4	4,178.70	1/4	4,540.72	1/4	4,889.50	1/4	5,214.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,823.59	1/2	4,186.26	1/2	4,548.17	1/2	4,896.56	1/2	5,220.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,831.15	3/4	4,193.81	3/4	4,555.62	3/4	4,903.62	3/4	5,225.64	3/4		3/4		3/4		3/4		3/4	
7	3,838.70	7	4,201.37	7	4,563.07	7	4,910.69	7	5,231.20	7		7		7		7		7	
1/4	3,846.26	1/4	4,208.92	1/4	4,570.49	1/4	4,917.72	1/4	5,235.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,853.81	1/2	4,216.48	1/2	4,577.91	1/2	4,924.75	1/2	5,239.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,861.37	3/4	4,224.03	3/4	4,585.33	3/4	4,931.79	3/4	5,244.21	3/4		3/4		3/4		3/4		3/4	
8	3,868.93	8	4,231.59	8	4,592.75	8	4,938.82	8	5,248.55	8		8		8		8		8	
1/4	3,876.48	1/4	4,239.14	1/4	4,600.14	1/4	4,945.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,884.04	1/2	4,246.70	1/2	4,607.53	1/2	4,952.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,891.59	3/4	4,254.26	3/4	4,614.93	3/4	4,959.83	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,899.15	9	4,261.81	9	4,622.32	9	4,966.83	9		9		9		9		9		9	
1/4	3,906.70	1/4	4,269.37	1/4	4,629.68	1/4	4,973.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,914.26	1/2	4,276.92	1/2	4,637.04	1/2	4,980.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,921.81	3/4	4,284.48	3/4	4,644.40	3/4	4,987.76	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,929.37	10	4,292.03	10	4,651.76	10	4,994.74	10		10		10		10		10		10	
1/4	3,936.92	1/4	4,299.59	1/4	4,659.09	1/4	5,001.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,944.48	1/2	4,307.14	1/2	4,666.42	1/2	5,008.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,952.04	3/4	4,314.70	3/4	4,673.76	3/4	5,015.58	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,959.59	11	4,322.26	11	4,681.09	11	5,022.52	11		11		11		11		11		11	
1/4	3,967.15	1/4	4,329.81	1/4	4,688.39	1/4	5,029.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,974.70	1/2	4,337.37	1/2	4,695.69	1/2	5,036.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,982.26	3/4	4,344.92	3/4	4,702.99	3/4	5,043.05	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
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BARGE "HBC 308"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.97	0	362.87	0	725.65	0	1,087.25	0	1,448.85	0	1,811.64	0	2,174.43	0	2,537.23	0	2,899.92	0	3,262.59
1/4	27.38	1/4	370.43	1/4	733.21	1/4	1,094.75	1/4	1,456.40	1/4	1,819.20	1/4	2,181.99	1/4	2,544.78	1/4	2,907.48	1/4	3,270.14
1/2	31.79	1/2	377.99	1/2	740.77	1/2	1,102.26	1/2	1,463.96	1/2	1,826.76	1/2	2,189.55	1/2	2,552.34	1/2	2,915.03	1/2	3,277.70
3/4	36.20	3/4	385.55	3/4	748.33	3/4	1,109.77	3/4	1,471.52	3/4	1,834.31	3/4	2,197.11	3/4	2,559.90	3/4	2,922.59	3/4	3,285.25
1	40.60	1	393.11	1	755.88	1	1,117.27	1	1,479.08	1	1,841.87	1	2,204.67	1	2,567.46	1	2,930.14	1	3,292.81
1/4	46.27	1/4	400.66	1/4	763.44	1/4	1,124.78	1/4	1,486.64	1/4	1,849.43	1/4	2,212.22	1/4	2,575.02	1/4	2,937.70	1/4	3,300.36
1/2	51.94	1/2	408.22	1/2	771.00	1/2	1,132.29	1/2	1,494.19	1/2	1,856.99	1/2	2,219.78	1/2	2,582.58	1/2	2,945.26	1/2	3,307.92
3/4	57.61	3/4	415.78	3/4	778.56	3/4	1,139.79	3/4	1,501.75	3/4	1,864.55	3/4	2,227.34	3/4	2,590.13	3/4	2,952.81	3/4	3,315.48
2	63.27	2	423.34	2	786.12	2	1,147.30	2	1,509.31	2	1,872.10	2	2,234.90	2	2,597.69	2	2,960.37	2	3,323.03
1/4	70.20	1/4	430.90	1/4	793.67	1/4	1,154.80	1/4	1,516.87	1/4	1,879.66	1/4	2,242.46	1/4	2,605.25	1/4	2,967.92	1/4	3,330.59
1/2	77.13	1/2	438.45	1/2	801.23	1/2	1,162.31	1/2	1,524.43	1/2	1,887.22	1/2	2,250.01	1/2	2,612.81	1/2	2,975.48	1/2	3,338.14
3/4	84.05	3/4	446.01	3/4	808.79	3/4	1,169.82	3/4	1,531.99	3/4	1,894.78	3/4	2,257.57	3/4	2,620.37	3/4	2,983.03	3/4	3,345.70
3	90.98	3	453.57	3	816.35	3	1,177.32	3	1,539.54	3	1,902.34	3	2,265.13	3	2,627.92	3	2,990.59	3	3,353.25
1/4	98.50	1/4	461.13	1/4	823.91	1/4	1,184.83	1/4	1,547.10	1/4	1,909.90	1/4	2,272.69	1/4	2,635.48	1/4	2,998.14	1/4	3,360.81
1/2	106.02	1/2	468.68	1/2	831.46	1/2	1,192.34	1/2	1,554.66	1/2	1,917.45	1/2	2,280.25	1/2	2,643.04	1/2	3,005.70	1/2	3,368.36
3/4	113.55	3/4	476.24	3/4	839.02	3/4	1,199.84	3/4	1,562.22	3/4	1,925.01	3/4	2,287.81	3/4	2,650.59	3/4	3,013.26	3/4	3,375.92
4	121.07	4	483.80	4	846.58	4	1,207.35	4	1,569.78	4	1,932.57	4	2,295.36	4	2,658.15	4	3,020.81	4	3,383.47
1/4	128.61	1/4	491.36	1/4	854.14	1/4	1,214.86	1/4	1,577.34	1/4	1,940.13	1/4	2,302.92	1/4	2,665.70	1/4	3,028.37	1/4	3,391.03
1/2	136.16	1/2	498.92	1/2	861.70	1/2	1,222.36	1/2	1,584.89	1/2	1,947.69	1/2	2,310.48	1/2	2,673.26	1/2	3,035.92	1/2	3,398.59
3/4	143.71	3/4	506.47	3/4	869.25	3/4	1,229.87	3/4	1,592.45	3/4	1,955.25	3/4	2,318.04	3/4	2,680.81	3/4	3,043.48	3/4	3,406.14
5	151.26	5	514.03	5	876.81	5	1,237.37	5	1,600.01	5	1,962.80	5	2,325.60	5	2,688.37	5	3,051.03	5	3,413.70
1/4	158.81	1/4	521.59	1/4	884.37	1/4	1,244.89	1/4	1,607.57	1/4	1,970.36	1/4	2,333.16	1/4	2,695.92	1/4	3,058.59	1/4	3,421.25
1/2	166.37	1/2	529.15	1/2	891.93	1/2	1,252.41	1/2	1,615.13	1/2	1,977.92	1/2	2,340.71	1/2	2,703.48	1/2	3,066.14	1/2	3,428.81
3/4	173.93	3/4	536.71	3/4	899.49	3/4	1,259.93	3/4	1,622.68	3/4	1,985.48	3/4	2,348.27	3/4	2,711.04	3/4	3,073.70	3/4	3,436.36
6	181.48	6	544.26	6	907.04	6	1,267.45	6	1,630.24	6	1,993.04	6	2,355.83	6	2,718.59	6	3,081.25	6	3,443.92
1/4	189.04	1/4	551.82	1/4	914.56	1/4	1,275.01	1/4	1,637.80	1/4	2,000.59	1/4	2,363.39	1/4	2,726.15	1/4	3,088.81	1/4	3,451.47
1/2	196.60	1/2	559.38	1/2	922.08	1/2	1,282.57	1/2	1,645.36	1/2	2,008.15	1/2	2,370.95	1/2	2,733.70	1/2	3,096.37	1/2	3,459.03
3/4	204.16	3/4	566.94	3/4	929.60	3/4	1,290.12	3/4	1,652.92	3/4	2,015.71	3/4	2,378.50	3/4	2,741.26	3/4	3,103.92	3/4	3,466.59
7	211.72	7	574.50	7	937.12	7	1,297.68	7	1,660.48	7	2,023.27	7	2,386.06	7	2,748.81	7	3,111.48	7	3,474.14
1/4	219.27	1/4	582.05	1/4	944.63	1/4	1,305.24	1/4	1,668.03	1/4	2,030.83	1/4	2,393.62	1/4	2,756.37	1/4	3,119.03	1/4	3,481.70
1/2	226.83	1/2	589.61	1/2	952.13	1/2	1,312.80	1/2	1,675.59	1/2	2,038.39	1/2	2,401.18	1/2	2,763.92	1/2	3,126.59	1/2	3,489.25
3/4	234.39	3/4	597.17	3/4	959.64	3/4	1,320.36	3/4	1,683.15	3/4	2,045.94	3/4	2,408.74	3/4	2,771.48	3/4	3,134.14	3/4	3,496.81
8	241.95	8	604.73	8	967.14	8	1,327.91	8	1,690.71	8	2,053.50	8	2,416.30	8	2,779.03	8	3,141.70	8	3,504.36
1/4	249.51	1/4	612.28	1/4	974.65	1/4	1,335.47	1/4	1,698.27	1/4	2,061.06	1/4	2,423.85	1/4	2,786.59	1/4	3,149.25	1/4	3,511.92
1/2	257.06	1/2	619.84	1/2	982.16	1/2	1,343.03	1/2	1,705.82	1/2	2,068.62	1/2	2,431.41	1/2	2,794.15	1/2	3,156.81	1/2	3,519.47
3/4	264.62	3/4	627.40	3/4	989.66	3/4	1,350.59	3/4	1,713.38	3/4	2,076.18	3/4	2,438.97	3/4	2,801.70	3/4	3,164.37	3/4	3,527.03
9	272.18	9	634.96	9	997.17	9	1,358.15	9	1,720.94	9	2,083.73	9	2,446.53	9	2,809.26	9	3,171.92	9	3,534.58
1/4	279.74	1/4	642.52	1/4	1,004.68	1/4	1,365.71	1/4	1,728.50	1/4	2,091.29	1/4	2,454.09	1/4	2,816.81	1/4	3,179.48	1/4	3,542.14
1/2	287.30	1/2	650.07	1/2	1,012.18	1/2	1,373.26	1/2	1,736.06	1/2	2,098.85	1/2	2,461.64	1/2	2,824.37	1/2	3,187.03	1/2	3,549.70
3/4	294.85	3/4	657.63	3/4	1,019.69	3/4	1,380.82	3/4	1,743.62	3/4	2,106.41	3/4	2,469.20	3/4	2,831.92	3/4	3,194.59	3/4	3,557.25
10	302.41	10	665.19	10	1,027.20	10	1,388.38	10	1,751.17	10	2,113.97	10	2,476.76	10	2,839.48	10	3,202.14	10	3,564.81
1/4	309.97	1/4	672.75	1/4	1,034.70	1/4	1,395.94	1/4	1,758.73	1/4	2,121.53	1/4	2,484.32	1/4	2,847.03	1/4	3,209.70	1/4	3,572.36
1/2	317.53	1/2	680.31	1/2	1,042.21	1/2	1,403.50	1/2	1,766.29	1/2	2,129.08	1/2	2,491.88	1/2	2,854.59	1/2	3,217.25	1/2	3,579.92
3/4	325.08	3/4	687.86	3/4	1,049.71	3/4	1,411.05	3/4	1,773.85	3/4	2,136.64	3/4	2,499.44	3/4	2,862.15	3/4	3,224.81	3/4	3,587.47
11	332.64	11	695.42	11	1,057.22	11	1,418.61	11	1,781.41	11	2,144.20	11	2,506.99	11	2,869.70	11	3,232.36	11	3,595.03
1/4	340.20	1/4	702.98	1/4	1,064.73	1/4	1,426.17	1/4	1,788.96	1/4	2,151.76	1/4	2,514.55	1/4	2,877.26	1/4	3,239.92	1/4	3,602.58
1/2	347.76	1/2	710.54	1/2	1,072.23	1/2	1,433.73	1/2	1,796.52	1/2	2,159.32	1/2	2,522.11	1/2	2,884.81	1/2	3,247.48	1/2	3,610.14
3/4	355.32	3/4	718.10	3/4	1,079.74	3/4	1,441.29	3/4	1,804.08	3/4	2,166.87	3/4	2,529.67	3/4	2,892.37	3/4	3,255.03	3/4	3,617.70

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 INNAGE 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
INNAGE 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	3,625.25	0	3,987.91	0	4,350.58	0	4,708.39	0	5,048.00	0		0		0		0		0	
1/4	3,632.81	1/4	3,995.47	1/4	4,358.13	1/4	4,715.66	1/4	5,054.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,640.36	1/2	4,003.03	1/2	4,365.69	1/2	4,722.94	1/2	5,061.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,647.92	3/4	4,010.58	3/4	4,373.25	3/4	4,730.21	3/4	5,068.44	3/4		3/4		3/4		3/4		3/4	
1	3,655.47	1	4,018.14	1	4,380.80	1	4,737.48	1	5,075.26	1		1		1		1		1	
1/4	3,663.03	1/4	4,025.69	1/4	4,388.36	1/4	4,744.69	1/4	5,082.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,670.58	1/2	4,033.25	1/2	4,395.91	1/2	4,751.90	1/2	5,088.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.14	3/4	4,040.80	3/4	4,403.47	3/4	4,759.12	3/4	5,095.61	3/4		3/4		3/4		3/4		3/4	
2	3,685.69	2	4,048.36	2	4,411.02	2	4,766.33	2	5,102.39	2		2		2		2		2	
1/4	3,693.25	1/4	4,055.91	1/4	4,418.58	1/4	4,773.51	1/4	5,109.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,700.81	1/2	4,063.47	1/2	4,426.13	1/2	4,780.69	1/2	5,115.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,708.36	3/4	4,071.03	3/4	4,433.69	3/4	4,787.88	3/4	5,122.65	3/4		3/4		3/4		3/4		3/4	
3	3,715.92	3	4,078.58	3	4,441.24	3	4,795.06	3	5,129.41	3		3		3		3		3	
1/4	3,723.47	1/4	4,086.14	1/4	4,448.78	1/4	4,802.21	1/4	5,136.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,731.03	1/2	4,093.69	1/2	4,456.32	1/2	4,809.37	1/2	5,142.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,738.58	3/4	4,101.25	3/4	4,463.86	3/4	4,816.52	3/4	5,149.55	3/4		3/4		3/4		3/4		3/4	
4	3,746.14	4	4,108.80	4	4,471.40	4	4,823.67	4	5,156.26	4		4		4		4		4	
1/4	3,753.69	1/4	4,116.36	1/4	4,478.91	1/4	4,830.79	1/4	5,162.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,761.25	1/2	4,123.91	1/2	4,486.42	1/2	4,837.92	1/2	5,169.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,768.81	3/4	4,131.47	3/4	4,493.93	3/4	4,845.04	3/4	5,176.24	3/4		3/4		3/4		3/4		3/4	
5	3,776.36	5	4,139.02	5	4,501.44	5	4,852.16	5	5,182.90	5		5		5		5		5	
1/4	3,783.92	1/4	4,146.58	1/4	4,508.92	1/4	4,859.26	1/4	5,188.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,791.47	1/2	4,154.14	1/2	4,516.40	1/2	4,866.35	1/2	5,194.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,799.03	3/4	4,161.69	3/4	4,523.88	3/4	4,873.44	3/4	5,201.00	3/4		3/4		3/4		3/4		3/4	
6	3,806.58	6	4,169.25	6	4,531.37	6	4,880.53	6	5,207.03	6		6		6		6		6	
1/4	3,814.14	1/4	4,176.80	1/4	4,538.82	1/4	4,887.60	1/4	5,212.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,821.69	1/2	4,184.36	1/2	4,546.27	1/2	4,894.66	1/2	5,218.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,829.25	3/4	4,191.91	3/4	4,553.72	3/4	4,901.72	3/4	5,223.73	3/4		3/4		3/4		3/4		3/4	
7	3,836.80	7	4,199.47	7	4,561.17	7	4,908.79	7	5,229.30	7		7		7		7		7	
1/4	3,844.36	1/4	4,207.02	1/4	4,568.59	1/4	4,915.82	1/4	5,233.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,851.92	1/2	4,214.58	1/2	4,576.01	1/2	4,922.85	1/2	5,237.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,859.47	3/4	4,222.14	3/4	4,583.43	3/4	4,929.89	3/4	5,242.31	3/4		3/4		3/4		3/4		3/4	
8	3,867.03	8	4,229.69	8	4,590.85	8	4,936.92	8	5,246.64	8		8		8		8		8	
1/4	3,874.58	1/4	4,237.25	1/4	4,598.24	1/4	4,943.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,882.14	1/2	4,244.80	1/2	4,605.63	1/2	4,950.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,889.69	3/4	4,252.36	3/4	4,613.03	3/4	4,957.93	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,897.25	9	4,259.91	9	4,620.42	9	4,964.93	9		9		9		9		9		9	
1/4	3,904.80	1/4	4,267.47	1/4	4,627.78	1/4	4,971.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,912.36	1/2	4,275.02	1/2	4,635.14	1/2	4,978.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,919.92	3/4	4,282.58	3/4	4,642.50	3/4	4,985.86	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,927.47	10	4,290.13	10	4,649.86	10	4,992.84	10		10		10		10		10		10	
1/4	3,935.03	1/4	4,297.69	1/4	4,657.19	1/4	4,999.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,942.58	1/2	4,305.25	1/2	4,664.52	1/2	5,006.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,950.14	3/4	4,312.80	3/4	4,671.86	3/4	5,013.67	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,957.69	11	4,320.36	11	4,679.19	11	5,020.62	11		11		11		11		11		11	
1/4	3,965.25	1/4	4,327.91	1/4	4,686.49	1/4	5,027.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,972.80	1/2	4,335.47	1/2	4,693.79	1/2	5,034.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,980.36	3/4	4,343.02	3/4	4,701.09	3/4	5,041.15	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
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BARGE "HBC 308"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.89	0	361.49	0	722.88	0	1,084.03	0	1,445.18	0	1,806.58	0	2,167.99	0	2,529.39	0	2,890.69	0	3,251.96
1/4	27.28	1/4	369.01	1/4	730.41	1/4	1,091.54	1/4	1,452.71	1/4	1,814.11	1/4	2,175.51	1/4	2,536.92	1/4	2,898.22	1/4	3,259.49
1/2	31.67	1/2	376.54	1/2	737.94	1/2	1,099.06	1/2	1,460.24	1/2	1,821.64	1/2	2,183.04	1/2	2,544.45	1/2	2,905.74	1/2	3,267.02
3/4	36.06	3/4	384.07	3/4	745.46	3/4	1,106.58	3/4	1,467.77	3/4	1,829.17	3/4	2,190.57	3/4	2,551.97	3/4	2,913.27	3/4	3,274.54
1	40.45	1	391.60	1	752.99	1	1,114.09	1	1,475.30	1	1,836.70	1	2,198.10	1	2,559.50	1	2,920.80	1	3,282.07
1/4	46.09	1/4	399.13	1/4	760.52	1/4	1,121.61	1/4	1,482.83	1/4	1,844.23	1/4	2,205.63	1/4	2,567.03	1/4	2,928.32	1/4	3,289.60
1/2	51.74	1/2	406.66	1/2	768.05	1/2	1,129.13	1/2	1,490.36	1/2	1,851.76	1/2	2,213.16	1/2	2,574.56	1/2	2,935.85	1/2	3,297.12
3/4	57.39	3/4	414.19	3/4	775.58	3/4	1,136.65	3/4	1,497.89	3/4	1,859.29	3/4	2,220.69	3/4	2,582.09	3/4	2,943.38	3/4	3,304.65
2	63.03	2	421.72	2	783.11	2	1,144.16	2	1,505.42	2	1,866.82	2	2,228.22	2	2,589.62	2	2,950.90	2	3,312.18
1/4	69.93	1/4	429.25	1/4	790.64	1/4	1,151.68	1/4	1,512.95	1/4	1,874.35	1/4	2,235.75	1/4	2,597.15	1/4	2,958.43	1/4	3,319.70
1/2	76.83	1/2	436.78	1/2	798.17	1/2	1,159.20	1/2	1,520.47	1/2	1,881.88	1/2	2,243.28	1/2	2,604.68	1/2	2,965.96	1/2	3,327.23
3/4	83.73	3/4	444.30	3/4	805.70	3/4	1,166.71	3/4	1,528.00	3/4	1,889.41	3/4	2,250.81	3/4	2,612.21	3/4	2,973.48	3/4	3,334.76
3	90.63	3	451.83	3	813.23	3	1,174.23	3	1,535.53	3	1,896.93	3	2,258.34	3	2,619.74	3	2,981.01	3	3,342.28
1/4	98.12	1/4	459.36	1/4	820.75	1/4	1,181.75	1/4	1,543.06	1/4	1,904.46	1/4	2,265.87	1/4	2,627.26	1/4	2,988.54	1/4	3,349.81
1/2	105.62	1/2	466.89	1/2	828.28	1/2	1,189.26	1/2	1,550.59	1/2	1,911.99	1/2	2,273.39	1/2	2,634.79	1/2	2,996.06	1/2	3,357.33
3/4	113.11	3/4	474.42	3/4	835.81	3/4	1,196.78	3/4	1,558.12	3/4	1,919.52	3/4	2,280.92	3/4	2,642.32	3/4	3,003.59	3/4	3,364.86
4	120.60	4	481.95	4	843.34	4	1,204.30	4	1,565.65	4	1,927.05	4	2,288.45	4	2,649.84	4	3,011.12	4	3,372.39
1/4	128.12	1/4	489.48	1/4	850.87	1/4	1,211.81	1/4	1,573.18	1/4	1,934.58	1/4	2,295.98	1/4	2,657.37	1/4	3,018.64	1/4	3,379.91
1/2	135.64	1/2	497.01	1/2	858.40	1/2	1,219.33	1/2	1,580.71	1/2	1,942.11	1/2	2,303.51	1/2	2,664.90	1/2	3,026.17	1/2	3,387.44
3/4	143.16	3/4	504.54	3/4	865.93	3/4	1,226.85	3/4	1,588.24	3/4	1,949.64	3/4	2,311.04	3/4	2,672.42	3/4	3,033.70	3/4	3,394.97
5	150.68	5	512.07	5	873.46	5	1,234.37	5	1,595.77	5	1,957.17	5	2,318.57	5	2,679.95	5	3,041.22	5	3,402.49
1/4	158.21	1/4	519.59	1/4	880.99	1/4	1,241.89	1/4	1,603.30	1/4	1,964.70	1/4	2,326.10	1/4	2,687.48	1/4	3,048.75	1/4	3,410.02
1/2	165.73	1/2	527.12	1/2	888.52	1/2	1,249.42	1/2	1,610.83	1/2	1,972.23	1/2	2,333.63	1/2	2,695.00	1/2	3,056.27	1/2	3,417.55
3/4	173.26	3/4	534.65	3/4	896.04	3/4	1,256.95	3/4	1,618.35	3/4	1,979.76	3/4	2,341.16	3/4	2,702.53	3/4	3,063.80	3/4	3,425.07
6	180.79	6	542.18	6	903.57	6	1,264.48	6	1,625.88	6	1,987.29	6	2,348.69	6	2,710.06	6	3,071.33	6	3,432.60
1/4	188.32	1/4	549.71	1/4	911.10	1/4	1,272.01	1/4	1,633.41	1/4	1,994.81	1/4	2,356.22	1/4	2,717.58	1/4	3,078.85	1/4	3,440.13
1/2	195.85	1/2	557.24	1/2	918.63	1/2	1,279.54	1/2	1,640.94	1/2	2,002.34	1/2	2,363.74	1/2	2,725.11	1/2	3,086.38	1/2	3,447.65
3/4	203.38	3/4	564.77	3/4	926.16	3/4	1,287.07	3/4	1,648.47	3/4	2,009.87	3/4	2,371.27	3/4	2,732.64	3/4	3,093.91	3/4	3,455.18
7	210.91	7	572.30	7	933.69	7	1,294.60	7	1,656.00	7	2,017.40	7	2,378.80	7	2,740.16	7	3,101.43	7	3,462.71
1/4	218.43	1/4	579.83	1/4	941.21	1/4	1,302.13	1/4	1,663.53	1/4	2,024.93	1/4	2,386.33	1/4	2,747.69	1/4	3,108.96	1/4	3,470.23
1/2	225.96	1/2	587.36	1/2	948.72	1/2	1,309.66	1/2	1,671.06	1/2	2,032.46	1/2	2,393.86	1/2	2,755.21	1/2	3,116.49	1/2	3,477.76
3/4	233.49	3/4	594.88	3/4	956.24	3/4	1,317.19	3/4	1,678.59	3/4	2,039.99	3/4	2,401.39	3/4	2,762.74	3/4	3,124.01	3/4	3,485.29
8	241.02	8	602.41	8	963.76	8	1,324.72	8	1,686.12	8	2,047.52	8	2,408.92	8	2,770.27	8	3,131.54	8	3,492.81
1/4	248.55	1/4	609.94	1/4	971.27	1/4	1,332.24	1/4	1,693.65	1/4	2,055.05	1/4	2,416.45	1/4	2,777.79	1/4	3,139.07	1/4	3,500.34
1/2	256.08	1/2	617.47	1/2	978.79	1/2	1,339.77	1/2	1,701.18	1/2	2,062.58	1/2	2,423.98	1/2	2,785.32	1/2	3,146.59	1/2	3,507.86
3/4	263.61	3/4	625.00	3/4	986.31	3/4	1,347.30	3/4	1,708.70	3/4	2,070.11	3/4	2,431.51	3/4	2,792.85	3/4	3,154.12	3/4	3,515.39
9	271.14	9	632.53	9	993.82	9	1,354.83	9	1,716.23	9	2,077.64	9	2,439.04	9	2,800.37	9	3,161.65	9	3,522.92
1/4	278.67	1/4	640.06	1/4	1,001.34	1/4	1,362.36	1/4	1,723.76	1/4	2,085.16	1/4	2,446.57	1/4	2,807.90	1/4	3,169.17	1/4	3,530.44
1/2	286.20	1/2	647.59	1/2	1,008.86	1/2	1,369.89	1/2	1,731.29	1/2	2,092.69	1/2	2,454.10	1/2	2,815.43	1/2	3,176.70	1/2	3,537.97
3/4	293.72	3/4	655.12	3/4	1,016.37	3/4	1,377.42	3/4	1,738.82	3/4	2,100.22	3/4	2,461.62	3/4	2,822.95	3/4	3,184.23	3/4	3,545.50
10	301.25	10	662.65	10	1,023.89	10	1,384.95	10	1,746.35	10	2,107.75	10	2,469.15	10	2,830.48	10	3,191.75	10	3,553.02
1/4	308.78	1/4	670.17	1/4	1,031.41	1/4	1,392.48	1/4	1,753.88	1/4	2,115.28	1/4	2,476.68	1/4	2,838.01	1/4	3,199.28	1/4	3,560.55
1/2	316.31	1/2	677.70	1/2	1,038.93	1/2	1,400.01	1/2	1,761.41	1/2	2,122.81	1/2	2,484.21	1/2	2,845.53	1/2	3,206.80	1/2	3,568.08
3/4	323.84	3/4	685.23	3/4	1,046.44	3/4	1,407.54	3/4	1,768.94	3/4	2,130.34	3/4	2,491.74	3/4	2,853.06	3/4	3,214.33	3/4	3,575.60
11	331.37	11	692.76	11	1,053.96	11	1,415.07	11	1,776.47	11	2,137.87	11	2,499.27	11	2,860.59	11	3,221.86	11	3,583.13
1/4	338.90	1/4	700.29	1/4	1,061.48	1/4	1,422.60	1/4	1,784.00	1/4	2,145.40	1/4	2,506.80	1/4	2,868.11	1/4	3,229.38	1/4	3,590.66
1/2	346.43	1/2	707.82	1/2	1,068.99	1/2	1,430.12	1/2	1,791.53	1/2	2,152.93	1/2	2,514.33	1/2	2,875.64	1/2	3,236.91	1/2	3,598.18
3/4	353.96	3/4	715.35	3/4	1,076.51	3/4	1,437.65	3/4	1,799.06	3/4	2,160.46	3/4	2,521.86	3/4	2,883.17	3/4	3,244.44	3/4	3,605.71

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 INNAGE 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"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,613.24	0	3,974.51	0	4,335.78	0	4,692.23	0	5,030.55	0		0		0		0		0	
1/4	3,620.76	1/4	3,982.03	1/4	4,343.31	1/4	4,699.48	1/4	5,037.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,628.29	1/2	3,989.56	1/2	4,350.83	1/2	4,706.72	1/2	5,044.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,635.82	3/4	3,997.09	3/4	4,358.36	3/4	4,713.96	3/4	5,050.92	3/4		3/4		3/4		3/4		3/4	
1	3,643.34	1	4,004.61	1	4,365.89	1	4,721.21	1	5,057.71	1		1		1		1		1	
1/4	3,650.87	1/4	4,012.14	1/4	4,373.41	1/4	4,728.39	1/4	5,064.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,658.39	1/2	4,019.67	1/2	4,380.94	1/2	4,735.58	1/2	5,071.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,665.92	3/4	4,027.19	3/4	4,388.47	3/4	4,742.76	3/4	5,077.98	3/4		3/4		3/4		3/4		3/4	
2	3,673.45	2	4,034.72	2	4,395.99	2	4,749.95	2	5,084.74	2		2		2		2		2	
1/4	3,680.97	1/4	4,042.25	1/4	4,403.52	1/4	4,757.10	1/4	5,091.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,688.50	1/2	4,049.77	1/2	4,411.04	1/2	4,764.26	1/2	5,098.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,696.03	3/4	4,057.30	3/4	4,418.57	3/4	4,771.41	3/4	5,104.93	3/4		3/4		3/4		3/4		3/4	
3	3,703.55	3	4,064.83	3	4,426.10	3	4,778.57	3	5,111.65	3		3		3		3		3	
1/4	3,711.08	1/4	4,072.35	1/4	4,433.61	1/4	4,785.69	1/4	5,118.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,718.61	1/2	4,079.88	1/2	4,441.12	1/2	4,792.82	1/2	5,125.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,726.13	3/4	4,087.41	3/4	4,448.63	3/4	4,799.95	3/4	5,131.72	3/4		3/4		3/4		3/4		3/4	
4	3,733.66	4	4,094.93	4	4,456.14	4	4,807.07	4	5,138.41	4		4		4		4		4	
1/4	3,741.19	1/4	4,102.46	1/4	4,463.62	1/4	4,814.17	1/4	5,145.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,748.71	1/2	4,109.98	1/2	4,471.11	1/2	4,821.26	1/2	5,151.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,756.24	3/4	4,117.51	3/4	4,478.59	3/4	4,828.36	3/4	5,158.31	3/4		3/4		3/4		3/4		3/4	
5	3,763.77	5	4,125.04	5	4,486.07	5	4,835.45	5	5,164.95	5		5		5		5		5	
1/4	3,771.29	1/4	4,132.56	1/4	4,493.52	1/4	4,842.52	1/4	5,170.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,778.82	1/2	4,140.09	1/2	4,500.97	1/2	4,849.59	1/2	5,176.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,786.35	3/4	4,147.62	3/4	4,508.43	3/4	4,856.65	3/4	5,182.98	3/4		3/4		3/4		3/4		3/4	
6	3,793.87	6	4,155.14	6	4,515.88	6	4,863.72	6	5,188.99	6		6		6		6		6	
1/4	3,801.40	1/4	4,162.67	1/4	4,523.30	1/4	4,870.76	1/4	5,194.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,808.92	1/2	4,170.20	1/2	4,530.72	1/2	4,877.79	1/2	5,200.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,816.45	3/4	4,177.72	3/4	4,538.15	3/4	4,884.83	3/4	5,205.62	3/4		3/4		3/4		3/4		3/4	
7	3,823.98	7	4,185.25	7	4,545.57	7	4,891.86	7	5,211.17	7		7		7		7		7	
1/4	3,831.50	1/4	4,192.78	1/4	4,552.96	1/4	4,898.87	1/4	5,215.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,839.03	1/2	4,200.30	1/2	4,560.35	1/2	4,905.88	1/2	5,219.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,846.56	3/4	4,207.83	3/4	4,567.75	3/4	4,912.88	3/4	5,224.13	3/4		3/4		3/4		3/4		3/4	
8	3,854.08	8	4,215.36	8	4,575.14	8	4,919.89	8	5,228.45	8		8		8		8		8	
1/4	3,861.61	1/4	4,222.88	1/4	4,582.50	1/4	4,926.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,869.14	1/2	4,230.41	1/2	4,589.86	1/2	4,933.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,876.66	3/4	4,237.94	3/4	4,597.23	3/4	4,940.82	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,884.19	9	4,245.46	9	4,604.59	9	4,947.80	9		9		9		9		9		9	
1/4	3,891.72	1/4	4,252.99	1/4	4,611.92	1/4	4,954.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,899.24	1/2	4,260.51	1/2	4,619.26	1/2	4,961.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,906.77	3/4	4,268.04	3/4	4,626.59	3/4	4,968.65	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,914.30	10	4,275.57	10	4,633.92	10	4,975.60	10		10		10		10		10		10	
1/4	3,921.82	1/4	4,283.09	1/4	4,641.23	1/4	4,982.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,929.35	1/2	4,290.62	1/2	4,648.53	1/2	4,989.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,936.88	3/4	4,298.15	3/4	4,655.83	3/4	4,996.36	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,944.40	11	4,305.67	11	4,663.14	11	5,003.28	11		11		11		11		11		11	
1/4	3,951.93	1/4	4,313.20	1/4	4,670.41	1/4	5,010.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,959.45	1/2	4,320.73	1/2	4,677.68	1/2	5,016.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,966.98	3/4	4,328.25	3/4	4,684.96	3/4	5,023.73	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
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BARGE "HBC 308"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.89	0	361.48	0	722.88	0	1,076.08	0	1,429.30	0	1,790.70	0	2,152.11	0	2,513.52	0	2,874.82	0	3,236.09
1/4	27.28	1/4	369.01	1/4	730.41	1/4	1,083.27	1/4	1,436.83	1/4	1,798.23	1/4	2,159.64	1/4	2,521.05	1/4	2,882.35	1/4	3,243.62
1/2	31.67	1/2	376.54	1/2	737.93	1/2	1,090.45	1/2	1,444.36	1/2	1,805.76	1/2	2,167.17	1/2	2,528.57	1/2	2,889.87	1/2	3,251.15
3/4	36.06	3/4	384.07	3/4	745.46	3/4	1,097.64	3/4	1,451.88	3/4	1,813.29	3/4	2,174.70	3/4	2,536.10	3/4	2,897.40	3/4	3,258.67
1	40.45	1	391.60	1	752.99	1	1,104.82	1	1,459.41	1	1,820.82	1	2,182.23	1	2,543.63	1	2,904.93	1	3,266.20
1/4	46.09	1/4	399.13	1/4	760.52	1/4	1,112.01	1/4	1,466.94	1/4	1,828.35	1/4	2,189.76	1/4	2,551.16	1/4	2,912.45	1/4	3,273.73
1/2	51.74	1/2	406.66	1/2	768.05	1/2	1,119.20	1/2	1,474.47	1/2	1,835.88	1/2	2,197.29	1/2	2,558.69	1/2	2,919.98	1/2	3,281.25
3/4	57.39	3/4	414.19	3/4	775.58	3/4	1,126.38	3/4	1,482.00	3/4	1,843.41	3/4	2,204.81	3/4	2,566.22	3/4	2,927.51	3/4	3,288.78
2	63.03	2	421.72	2	783.11	2	1,133.57	2	1,489.53	2	1,850.94	2	2,212.34	2	2,573.75	2	2,935.03	2	3,296.31
1/4	69.93	1/4	429.25	1/4	790.64	1/4	1,140.75	1/4	1,497.06	1/4	1,858.47	1/4	2,219.87	1/4	2,581.28	1/4	2,942.56	1/4	3,303.83
1/2	76.83	1/2	436.77	1/2	798.17	1/2	1,147.94	1/2	1,504.59	1/2	1,866.00	1/2	2,227.40	1/2	2,588.81	1/2	2,950.09	1/2	3,311.36
3/4	83.73	3/4	444.30	3/4	805.70	3/4	1,155.13	3/4	1,512.12	3/4	1,873.53	3/4	2,234.93	3/4	2,596.34	3/4	2,957.61	3/4	3,318.89
3	90.63	3	451.83	3	813.22	3	1,162.31	3	1,519.65	3	1,881.05	3	2,242.46	3	2,603.87	3	2,965.14	3	3,326.41
1/4	98.12	1/4	459.36	1/4	820.75	1/4	1,169.50	1/4	1,527.18	1/4	1,888.58	1/4	2,249.99	1/4	2,611.39	1/4	2,972.67	1/4	3,333.94
1/2	105.62	1/2	466.89	1/2	828.28	1/2	1,176.68	1/2	1,534.71	1/2	1,896.11	1/2	2,257.52	1/2	2,618.92	1/2	2,980.19	1/2	3,341.46
3/4	113.11	3/4	474.42	3/4	835.81	3/4	1,183.87	3/4	1,542.24	3/4	1,903.64	3/4	2,265.05	3/4	2,626.45	3/4	2,987.72	3/4	3,348.99
4	120.60	4	481.95	4	843.34	4	1,191.06	4	1,549.77	4	1,911.17	4	2,272.58	4	2,633.97	4	2,995.25	4	3,356.52
1/4	128.12	1/4	489.48	1/4	850.87	1/4	1,198.24	1/4	1,557.29	1/4	1,918.70	1/4	2,280.11	1/4	2,641.50	1/4	3,002.77	1/4	3,364.04
1/2	135.64	1/2	497.01	1/2	858.40	1/2	1,205.43	1/2	1,564.82	1/2	1,926.23	1/2	2,287.64	1/2	2,649.03	1/2	3,010.30	1/2	3,371.57
3/4	143.16	3/4	504.54	3/4	865.93	3/4	1,212.61	3/4	1,572.35	3/4	1,933.76	3/4	2,295.17	3/4	2,656.55	3/4	3,017.83	3/4	3,379.10
5	150.68	5	512.06	5	873.46	5	1,219.80	5	1,579.88	5	1,941.29	5	2,302.70	5	2,664.08	5	3,025.35	5	3,386.62
1/4	158.21	1/4	519.59	1/4	880.99	1/4	1,227.00	1/4	1,587.41	1/4	1,948.82	1/4	2,310.22	1/4	2,671.61	1/4	3,032.88	1/4	3,394.15
1/2	165.73	1/2	527.12	1/2	888.51	1/2	1,234.20	1/2	1,594.94	1/2	1,956.35	1/2	2,317.75	1/2	2,679.13	1/2	3,040.40	1/2	3,401.68
3/4	173.26	3/4	534.65	3/4	896.04	3/4	1,241.40	3/4	1,602.47	3/4	1,963.88	3/4	2,325.28	3/4	2,686.66	3/4	3,047.93	3/4	3,409.20
6	180.79	6	542.18	6	903.57	6	1,248.59	6	1,610.00	6	1,971.41	6	2,332.81	6	2,694.19	6	3,055.46	6	3,416.73
1/4	188.32	1/4	549.71	1/4	910.77	1/4	1,256.12	1/4	1,617.53	1/4	1,978.94	1/4	2,340.34	1/4	2,701.71	1/4	3,062.98	1/4	3,424.26
1/2	195.85	1/2	557.24	1/2	917.97	1/2	1,263.65	1/2	1,625.06	1/2	1,986.46	1/2	2,347.87	1/2	2,709.24	1/2	3,070.51	1/2	3,431.78
3/4	203.38	3/4	564.77	3/4	925.16	3/4	1,271.18	3/4	1,632.59	3/4	1,993.99	3/4	2,355.40	3/4	2,716.77	3/4	3,078.04	3/4	3,439.31
7	210.90	7	572.30	7	932.36	7	1,278.71	7	1,640.12	7	2,001.52	7	2,362.93	7	2,724.29	7	3,085.56	7	3,446.84
1/4	218.43	1/4	579.83	1/4	939.55	1/4	1,286.24	1/4	1,647.65	1/4	2,009.05	1/4	2,370.46	1/4	2,731.82	1/4	3,093.09	1/4	3,454.36
1/2	225.96	1/2	587.35	1/2	946.73	1/2	1,293.77	1/2	1,655.18	1/2	2,016.58	1/2	2,377.99	1/2	2,739.34	1/2	3,100.62	1/2	3,461.89
3/4	233.49	3/4	594.88	3/4	953.92	3/4	1,301.30	3/4	1,662.71	3/4	2,024.11	3/4	2,385.52	3/4	2,746.87	3/4	3,108.14	3/4	3,469.42
8	241.02	8	602.41	8	961.10	8	1,308.83	8	1,670.23	8	2,031.64	8	2,393.05	8	2,754.40	8	3,115.67	8	3,476.94
1/4	248.55	1/4	609.94	1/4	968.29	1/4	1,316.36	1/4	1,677.76	1/4	2,039.17	1/4	2,400.58	1/4	2,761.92	1/4	3,123.20	1/4	3,484.47
1/2	256.08	1/2	617.47	1/2	975.48	1/2	1,323.89	1/2	1,685.29	1/2	2,046.70	1/2	2,408.11	1/2	2,769.45	1/2	3,130.72	1/2	3,491.99
3/4	263.61	3/4	625.00	3/4	982.66	3/4	1,331.42	3/4	1,692.82	3/4	2,054.23	3/4	2,415.64	3/4	2,776.98	3/4	3,138.25	3/4	3,499.52
9	271.14	9	632.53	9	989.85	9	1,338.95	9	1,700.35	9	2,061.76	9	2,423.16	9	2,784.50	9	3,145.78	9	3,507.05
1/4	278.67	1/4	640.06	1/4	997.03	1/4	1,346.47	1/4	1,707.88	1/4	2,069.29	1/4	2,430.69	1/4	2,792.03	1/4	3,153.30	1/4	3,514.57
1/2	286.19	1/2	647.59	1/2	1,004.22	1/2	1,354.00	1/2	1,715.41	1/2	2,076.82	1/2	2,438.22	1/2	2,799.56	1/2	3,160.83	1/2	3,522.10
3/4	293.72	3/4	655.12	3/4	1,011.41	3/4	1,361.53	3/4	1,722.94	3/4	2,084.35	3/4	2,445.75	3/4	2,807.08	3/4	3,168.36	3/4	3,529.63
10	301.25	10	662.64	10	1,018.59	10	1,369.06	10	1,730.47	10	2,091.88	10	2,453.28	10	2,814.61	10	3,175.88	10	3,537.15
1/4	308.78	1/4	670.17	1/4	1,025.78	1/4	1,376.59	1/4	1,738.00	1/4	2,099.40	1/4	2,460.81	1/4	2,822.14	1/4	3,183.41	1/4	3,544.68
1/2	316.31	1/2	677.70	1/2	1,032.96	1/2	1,384.12	1/2	1,745.53	1/2	2,106.93	1/2	2,468.34	1/2	2,829.66	1/2	3,190.93	1/2	3,552.21
3/4	323.84	3/4	685.23	3/4	1,040.15	3/4	1,391.65	3/4	1,753.06	3/4	2,114.46	3/4	2,475.87	3/4	2,837.19	3/4	3,198.46	3/4	3,559.73
11	331.37	11	692.76	11	1,047.34	11	1,399.18	11	1,760.59	11	2,121.99	11	2,483.40	11	2,844.72	11	3,205.99	11	3,567.26
1/4	338.90	1/4	700.29	1/4	1,054.52	1/4	1,406.71	1/4	1,768.12	1/4	2,129.52	1/4	2,490.93	1/4	2,852.24	1/4	3,213.51	1/4	3,574.79
1/2	346.43	1/2	707.82	1/2	1,061.71	1/2	1,414.24	1/2	1,775.64	1/2	2,137.05	1/2	2,498.46	1/2	2,859.77	1/2	3,221.04	1/2	3,582.31
3/4	353.96	3/4	715.35	3/4	1,068.89	3/4	1,421.77	3/4	1,783.17	3/4	2,144.58	3/4	2,505.99	3/4	2,867.30	3/4	3,228.57	3/4	3,589.84

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 INNAGE 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"

2 STBD INNAGE 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	3,597.37	0	3,958.64	0	4,319.91	0	4,676.35	0	5,014.67	0		0		0		0		0	
1/4	3,604.89	1/4	3,966.16	1/4	4,327.44	1/4	4,683.59	1/4	5,021.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,612.42	1/2	3,973.69	1/2	4,334.96	1/2	4,690.83	1/2	5,028.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,619.95	3/4	3,981.22	3/4	4,342.49	3/4	4,698.08	3/4	5,035.03	3/4		3/4		3/4		3/4		3/4	
1	3,627.47	1	3,988.74	1	4,350.02	1	4,705.32	1	5,041.82	1		1		1		1		1	
1/4	3,635.00	1/4	3,996.27	1/4	4,357.54	1/4	4,712.51	1/4	5,048.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,642.52	1/2	4,003.80	1/2	4,365.07	1/2	4,719.69	1/2	5,055.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,650.05	3/4	4,011.32	3/4	4,372.60	3/4	4,726.88	3/4	5,062.10	3/4		3/4		3/4		3/4		3/4	
2	3,657.58	2	4,018.85	2	4,380.12	2	4,734.06	2	5,068.86	2		2		2		2		2	
1/4	3,665.10	1/4	4,026.38	1/4	4,387.65	1/4	4,741.22	1/4	5,075.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,672.63	1/2	4,033.90	1/2	4,395.17	1/2	4,748.37	1/2	5,082.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,680.16	3/4	4,041.43	3/4	4,402.70	3/4	4,755.53	3/4	5,089.04	3/4		3/4		3/4		3/4		3/4	
3	3,687.68	3	4,048.96	3	4,410.23	3	4,762.68	3	5,095.77	3		3		3		3		3	
1/4	3,695.21	1/4	4,056.48	1/4	4,417.74	1/4	4,769.81	1/4	5,102.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,702.74	1/2	4,064.01	1/2	4,425.24	1/2	4,776.94	1/2	5,109.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,710.26	3/4	4,071.54	3/4	4,432.75	3/4	4,784.06	3/4	5,115.84	3/4		3/4		3/4		3/4		3/4	
4	3,717.79	4	4,079.06	4	4,440.26	4	4,791.19	4	5,122.53	4		4		4		4		4	
1/4	3,725.32	1/4	4,086.59	1/4	4,447.74	1/4	4,798.28	1/4	5,129.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,732.84	1/2	4,094.11	1/2	4,455.22	1/2	4,805.38	1/2	5,135.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,740.37	3/4	4,101.64	3/4	4,462.70	3/4	4,812.47	3/4	5,142.43	3/4		3/4		3/4		3/4		3/4	
5	3,747.90	5	4,109.17	5	4,470.19	5	4,819.57	5	5,149.07	5		5		5		5		5	
1/4	3,755.42	1/4	4,116.69	1/4	4,477.64	1/4	4,826.64	1/4	5,155.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,762.95	1/2	4,124.22	1/2	4,485.09	1/2	4,833.70	1/2	5,161.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,770.48	3/4	4,131.75	3/4	4,492.54	3/4	4,840.77	3/4	5,167.10	3/4		3/4		3/4		3/4		3/4	
6	3,778.00	6	4,139.27	6	4,499.99	6	4,847.84	6	5,173.11	6		6		6		6		6	
1/4	3,785.53	1/4	4,146.80	1/4	4,507.42	1/4	4,854.87	1/4	5,178.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,793.05	1/2	4,154.33	1/2	4,514.84	1/2	4,861.91	1/2	5,184.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,800.58	3/4	4,161.85	3/4	4,522.26	3/4	4,868.94	3/4	5,189.74	3/4		3/4		3/4		3/4		3/4	
7	3,808.11	7	4,169.38	7	4,529.68	7	4,875.98	7	5,195.29	7		7		7		7		7	
1/4	3,815.63	1/4	4,176.91	1/4	4,537.08	1/4	4,882.99	1/4	5,199.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,823.16	1/2	4,184.43	1/2	4,544.47	1/2	4,889.99	1/2	5,203.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,830.69	3/4	4,191.96	3/4	4,551.86	3/4	4,897.00	3/4	5,208.25	3/4		3/4		3/4		3/4		3/4	
8	3,838.21	8	4,199.49	8	4,559.25	8	4,904.01	8	5,212.57	8		8		8		8		8	
1/4	3,845.74	1/4	4,207.01	1/4	4,566.62	1/4	4,910.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,853.27	1/2	4,214.54	1/2	4,573.98	1/2	4,917.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,860.79	3/4	4,222.07	3/4	4,581.34	3/4	4,924.94	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,868.32	9	4,229.59	9	4,588.71	9	4,931.92	9		9		9		9		9		9	
1/4	3,875.85	1/4	4,237.12	1/4	4,596.04	1/4	4,938.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,883.37	1/2	4,244.64	1/2	4,603.37	1/2	4,945.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,890.90	3/4	4,252.17	3/4	4,610.70	3/4	4,952.76	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,898.43	10	4,259.70	10	4,618.04	10	4,959.71	10		10		10		10		10		10	
1/4	3,905.95	1/4	4,267.22	1/4	4,625.34	1/4	4,966.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,913.48	1/2	4,274.75	1/2	4,632.64	1/2	4,973.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,921.01	3/4	4,282.28	3/4	4,639.95	3/4	4,980.47	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,928.53	11	4,289.80	11	4,647.25	11	4,987.39	11		11		11		11		11		11	
1/4	3,936.06	1/4	4,297.33	1/4	4,654.53	1/4	4,994.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,943.58	1/2	4,304.86	1/2	4,661.80	1/2	5,001.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,951.11	3/4	4,312.38	3/4	4,669.07	3/4	5,007.85	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"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.88	0	361.32	0	722.55	0	1,083.56	0	1,444.64	0	1,805.88	0	2,167.09	0	2,528.24	0	2,889.19	0	3,249.25
1/4	27.27	1/4	368.85	1/4	730.07	1/4	1,091.08	1/4	1,452.16	1/4	1,813.40	1/4	2,174.61	1/4	2,535.76	1/4	2,896.70	1/4	3,256.73
1/2	31.66	1/2	376.37	1/2	737.60	1/2	1,098.59	1/2	1,459.69	1/2	1,820.93	1/2	2,182.13	1/2	2,543.29	1/2	2,904.21	1/2	3,264.20
3/4	36.05	3/4	383.90	3/4	745.12	3/4	1,106.11	3/4	1,467.21	3/4	1,828.45	3/4	2,189.66	3/4	2,550.81	3/4	2,911.72	3/4	3,271.68
1	40.43	1	391.42	1	752.65	1	1,113.63	1	1,474.74	1	1,835.98	1	2,197.18	1	2,558.33	1	2,919.23	1	3,279.15
1/4	46.08	1/4	398.95	1/4	760.17	1/4	1,121.14	1/4	1,482.27	1/4	1,843.50	1/4	2,204.71	1/4	2,565.86	1/4	2,926.74	1/4	3,286.63
1/2	51.72	1/2	406.48	1/2	767.70	1/2	1,128.66	1/2	1,489.79	1/2	1,851.03	1/2	2,212.23	1/2	2,573.38	1/2	2,934.25	1/2	3,294.10
3/4	57.36	3/4	414.00	3/4	775.22	3/4	1,136.18	3/4	1,497.32	3/4	1,858.56	3/4	2,219.75	3/4	2,580.91	3/4	2,941.76	3/4	3,301.58
2	63.01	2	421.53	2	782.75	2	1,143.69	2	1,504.84	2	1,866.08	2	2,227.28	2	2,588.43	2	2,949.27	2	3,309.05
1/4	69.90	1/4	429.05	1/4	790.28	1/4	1,151.21	1/4	1,512.37	1/4	1,873.61	1/4	2,234.80	1/4	2,595.95	1/4	2,956.78	1/4	3,316.53
1/2	76.80	1/2	436.58	1/2	797.80	1/2	1,158.73	1/2	1,519.90	1/2	1,881.13	1/2	2,242.33	1/2	2,603.48	1/2	2,964.29	1/2	3,324.01
3/4	83.70	3/4	444.10	3/4	805.33	3/4	1,166.24	3/4	1,527.42	3/4	1,888.66	3/4	2,249.85	3/4	2,611.00	3/4	2,971.80	3/4	3,331.48
3	90.59	3	451.63	3	812.85	3	1,173.76	3	1,534.95	3	1,896.19	3	2,257.37	3	2,618.53	3	2,979.31	3	3,338.96
1/4	98.08	1/4	459.15	1/4	820.38	1/4	1,181.27	1/4	1,542.47	1/4	1,903.71	1/4	2,264.90	1/4	2,626.05	1/4	2,986.82	1/4	3,346.45
1/2	105.57	1/2	466.68	1/2	827.90	1/2	1,188.79	1/2	1,550.00	1/2	1,911.24	1/2	2,272.42	1/2	2,633.57	1/2	2,994.33	1/2	3,353.94
3/4	113.06	3/4	474.20	3/4	835.43	3/4	1,196.31	3/4	1,557.52	3/4	1,918.76	3/4	2,279.95	3/4	2,641.09	3/4	3,001.84	3/4	3,361.43
4	120.55	4	481.73	4	842.95	4	1,203.82	4	1,565.05	4	1,926.29	4	2,287.47	4	2,648.62	4	3,009.35	4	3,368.92
1/4	128.07	1/4	489.26	1/4	850.48	1/4	1,211.35	1/4	1,572.58	1/4	1,933.81	1/4	2,294.99	1/4	2,656.14	1/4	3,016.86	1/4	3,376.41
1/2	135.58	1/2	496.78	1/2	858.01	1/2	1,218.87	1/2	1,580.10	1/2	1,941.34	1/2	2,302.52	1/2	2,663.66	1/2	3,024.37	1/2	3,383.90
3/4	143.10	3/4	504.31	3/4	865.53	3/4	1,226.39	3/4	1,587.63	3/4	1,948.87	3/4	2,310.04	3/4	2,671.18	3/4	3,031.88	3/4	3,391.39
5	150.61	5	511.83	5	873.06	5	1,233.92	5	1,595.15	5	1,956.39	5	2,317.57	5	2,678.71	5	3,039.39	5	3,398.89
1/4	158.14	1/4	519.36	1/4	880.58	1/4	1,241.44	1/4	1,602.68	1/4	1,963.92	1/4	2,325.09	1/4	2,686.23	1/4	3,046.90	1/4	3,406.38
1/2	165.66	1/2	526.88	1/2	888.11	1/2	1,248.97	1/2	1,610.20	1/2	1,971.44	1/2	2,332.61	1/2	2,693.75	1/2	3,054.41	1/2	3,413.87
3/4	173.19	3/4	534.41	3/4	895.63	3/4	1,256.49	3/4	1,617.73	3/4	1,978.97	3/4	2,340.14	3/4	2,701.28	3/4	3,061.92	3/4	3,421.36
6	180.71	6	541.93	6	903.16	6	1,264.02	6	1,625.26	6	1,986.49	6	2,347.66	6	2,708.80	6	3,069.43	6	3,428.85
1/4	188.24	1/4	549.46	1/4	910.68	1/4	1,271.54	1/4	1,632.78	1/4	1,994.02	1/4	2,355.19	1/4	2,716.32	1/4	3,076.94	1/4	3,436.34
1/2	195.76	1/2	556.99	1/2	918.20	1/2	1,279.07	1/2	1,640.31	1/2	2,001.55	1/2	2,362.71	1/2	2,723.84	1/2	3,084.45	1/2	3,443.83
3/4	203.29	3/4	564.51	3/4	925.72	3/4	1,286.60	3/4	1,647.83	3/4	2,009.07	3/4	2,370.23	3/4	2,731.37	3/4	3,091.96	3/4	3,451.32
7	210.81	7	572.04	7	933.24	7	1,294.12	7	1,655.36	7	2,016.60	7	2,377.76	7	2,738.89	7	3,099.47	7	3,458.82
1/4	218.34	1/4	579.56	1/4	940.75	1/4	1,301.65	1/4	1,662.89	1/4	2,024.12	1/4	2,385.28	1/4	2,746.41	1/4	3,106.98	1/4	3,466.31
1/2	225.86	1/2	587.09	1/2	948.27	1/2	1,309.17	1/2	1,670.41	1/2	2,031.65	1/2	2,392.81	1/2	2,753.93	1/2	3,114.49	1/2	3,473.80
3/4	233.39	3/4	594.61	3/4	955.79	3/4	1,316.70	3/4	1,677.94	3/4	2,039.18	3/4	2,400.33	3/4	2,761.46	3/4	3,122.00	3/4	3,481.29
8	240.91	8	602.14	8	963.30	8	1,324.22	8	1,685.46	8	2,046.70	8	2,407.85	8	2,768.98	8	3,129.51	8	3,488.78
1/4	248.44	1/4	609.66	1/4	970.82	1/4	1,331.75	1/4	1,692.99	1/4	2,054.23	1/4	2,415.38	1/4	2,776.50	1/4	3,137.02	1/4	3,496.27
1/2	255.97	1/2	617.19	1/2	978.33	1/2	1,339.28	1/2	1,700.51	1/2	2,061.75	1/2	2,422.90	1/2	2,784.03	1/2	3,144.53	1/2	3,503.76
3/4	263.49	3/4	624.71	3/4	985.85	3/4	1,346.80	3/4	1,708.04	3/4	2,069.27	3/4	2,430.43	3/4	2,791.55	3/4	3,152.04	3/4	3,511.25
9	271.02	9	632.24	9	993.37	9	1,354.33	9	1,715.57	9	2,076.80	9	2,437.95	9	2,799.08	9	3,159.55	9	3,518.75
1/4	278.54	1/4	639.77	1/4	1,000.88	1/4	1,361.85	1/4	1,723.09	1/4	2,084.32	1/4	2,445.47	1/4	2,806.59	1/4	3,167.02	1/4	3,526.24
1/2	286.07	1/2	647.29	1/2	1,008.40	1/2	1,369.38	1/2	1,730.62	1/2	2,091.85	1/2	2,453.00	1/2	2,814.10	1/2	3,174.50	1/2	3,533.73
3/4	293.59	3/4	654.82	3/4	1,015.92	3/4	1,376.91	3/4	1,738.14	3/4	2,099.37	3/4	2,460.52	3/4	2,821.61	3/4	3,181.97	3/4	3,541.22
10	301.12	10	662.34	10	1,023.43	10	1,384.43	10	1,745.67	10	2,106.89	10	2,468.05	10	2,829.12	10	3,189.45	10	3,548.71
1/4	308.64	1/4	669.87	1/4	1,030.95	1/4	1,391.96	1/4	1,753.20	1/4	2,114.42	1/4	2,475.57	1/4	2,836.63	1/4	3,196.92	1/4	3,556.20
1/2	316.17	1/2	677.39	1/2	1,038.46	1/2	1,399.48	1/2	1,760.72	1/2	2,121.94	1/2	2,483.09	1/2	2,844.14	1/2	3,204.40	1/2	3,563.69
3/4	323.69	3/4	684.92	3/4	1,045.98	3/4	1,407.01	3/4	1,768.25	3/4	2,129.47	3/4	2,490.62	3/4	2,851.65	3/4	3,211.87	3/4	3,571.18
11	331.22	11	692.44	11	1,053.50	11	1,414.53	11	1,775.77	11	2,136.99	11	2,498.14	11	2,859.15	11	3,219.35	11	3,578.67
1/4	338.75	1/4	699.97	1/4	1,061.01	1/4	1,422.06	1/4	1,783.30	1/4	2,144.51	1/4	2,505.67	1/4	2,866.66	1/4	3,226.83	1/4	3,586.16
1/2	346.27	1/2	707.50	1/2	1,068.53	1/2	1,429.59	1/2	1,790.82	1/2	2,152.04	1/2	2,513.19	1/2	2,874.17	1/2	3,234.30	1/2	3,593.65
3/4	353.80	3/4	715.02	3/4	1,076.05	3/4	1,437.11	3/4	1,798.35	3/4	2,159.56	3/4	2,520.71	3/4	2,881.68	3/4	3,241.78	3/4	3,601.14

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 INNAGE 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 INNAGE 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		IN	
0	3,567.31	0	3,761.57	0	3,955.82	0	4,147.49	0	4,329.47	0		0		0		0		0		0	
1/4	3,571.36	1/4	3,765.61	1/4	3,959.87	1/4	4,151.39	1/4	4,333.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,575.40	1/2	3,769.66	1/2	3,963.92	1/2	4,155.28	1/2	4,336.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,579.45	3/4	3,773.71	3/4	3,967.96	3/4	4,159.18	3/4	4,340.42	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,583.50	1	3,777.75	1	3,972.01	1	4,163.07	1	4,344.07	1		1		1		1		1		1	
1/4	3,587.54	1/4	3,781.80	1/4	3,976.06	1/4	4,166.94	1/4	4,347.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,591.59	1/2	3,785.85	1/2	3,980.10	1/2	4,170.80	1/2	4,351.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,595.64	3/4	3,789.89	3/4	3,984.15	3/4	4,174.67	3/4	4,354.98	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,599.69	2	3,793.94	2	3,988.20	2	4,178.53	2	4,358.61	2		2		2		2		2		2	
1/4	3,603.73	1/4	3,797.99	1/4	3,992.24	1/4	4,182.38	1/4	4,362.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,607.78	1/2	3,802.04	1/2	3,996.29	1/2	4,186.23	1/2	4,365.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,611.83	3/4	3,806.08	3/4	4,000.34	3/4	4,190.08	3/4	4,369.47	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,615.87	3	3,810.13	3	4,004.39	3	4,193.93	3	4,373.08	3		3		3		3		3		3	
1/4	3,619.92	1/4	3,814.18	1/4	4,008.42	1/4	4,197.76	1/4	4,376.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,623.97	1/2	3,818.22	1/2	4,012.46	1/2	4,201.60	1/2	4,380.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,628.01	3/4	3,822.27	3/4	4,016.50	3/4	4,205.43	3/4	4,383.86	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,632.06	4	3,826.32	4	4,020.54	4	4,209.26	4	4,387.45	4		4		4		4		4		4	
1/4	3,636.11	1/4	3,830.36	1/4	4,024.56	1/4	4,213.08	1/4	4,391.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,640.16	1/2	3,834.41	1/2	4,028.59	1/2	4,216.90	1/2	4,394.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,644.20	3/4	3,838.46	3/4	4,032.61	3/4	4,220.71	3/4	4,398.11	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,648.25	5	3,842.51	5	4,036.63	5	4,224.53	5	4,401.66	5		5		5		5		5		5	
1/4	3,652.30	1/4	3,846.55	1/4	4,040.64	1/4	4,228.33	1/4	4,404.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,656.34	1/2	3,850.60	1/2	4,044.65	1/2	4,232.13	1/2	4,407.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,660.39	3/4	3,854.65	3/4	4,048.65	3/4	4,235.93	3/4	4,410.49	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,664.44	6	3,858.69	6	4,052.66	6	4,239.74	6	4,413.43	6		6		6		6		6		6	
1/4	3,668.48	1/4	3,862.74	1/4	4,056.65	1/4	4,243.52	1/4	4,415.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,672.53	1/2	3,866.79	1/2	4,060.64	1/2	4,247.31	1/2	4,417.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,676.58	3/4	3,870.83	3/4	4,064.63	3/4	4,251.09	3/4	4,419.77	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,680.63	7	3,874.88	7	4,068.63	7	4,254.88	7	4,421.88	7		7		7		7		7		7	
1/4	3,684.67	1/4	3,878.93	1/4	4,072.60	1/4	4,258.65	1/4	4,422.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,688.72	1/2	3,882.98	1/2	4,076.58	1/2	4,262.42	1/2	4,423.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,692.77	3/4	3,887.02	3/4	4,080.55	3/4	4,266.18	3/4	4,424.50	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,696.81	8	3,891.07	8	4,084.53	8	4,269.95	8	4,425.38	8		8		8		8		8		8	
1/4	3,700.86	1/4	3,895.12	1/4	4,088.49	1/4	4,273.71	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,704.91	1/2	3,899.16	1/2	4,092.45	1/2	4,277.46	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,708.95	3/4	3,903.21	3/4	4,096.40	3/4	4,281.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,713.00	9	3,907.26	9	4,100.36	9	4,284.97	9		9		9		9		9		9		9	
1/4	3,717.05	1/4	3,911.30	1/4	4,104.31	1/4	4,288.70	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,721.10	1/2	3,915.35	1/2	4,108.25	1/2	4,292.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,725.14	3/4	3,919.40	3/4	4,112.19	3/4	4,296.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,729.19	10	3,923.45	10	4,116.14	10	4,299.92	10		10		10		10		10		10		10	
1/4	3,733.24	1/4	3,927.49	1/4	4,120.07	1/4	4,303.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,737.28	1/2	3,931.54	1/2	4,123.99	1/2	4,307.36	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,741.33	3/4	3,935.59	3/4	4,127.92	3/4	4,311.08	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,745.38	11	3,939.63	11	4,131.85	11	4,314.80	11		11		11		11		11		11		11	
1/4	3,749.42	1/4	3,943.68	1/4	4,135.76	1/4	4,318.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,753.47	1/2	3,947.73	1/2	4,139.67	1/2	4,322.14	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,757.52	3/4	3,951.77	3/4	4,143.58	3/4	4,325.80	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.
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BARGE "HBC 308"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.80	0	359.62	0	719.11	0	1,066.88	0	1,419.92	0	1,778.81	0	2,138.18	0	2,497.49	0	2,856.59	0	3,214.63
1/4	27.18	1/4	367.11	1/4	726.60	1/4	1,074.03	1/4	1,427.34	1/4	1,786.30	1/4	2,145.66	1/4	2,504.97	1/4	2,864.07	1/4	3,222.07
1/2	31.55	1/2	374.60	1/2	734.09	1/2	1,081.18	1/2	1,434.77	1/2	1,793.79	1/2	2,153.15	1/2	2,512.46	1/2	2,871.54	1/2	3,229.50
3/4	35.93	3/4	382.09	3/4	741.58	3/4	1,088.33	3/4	1,442.19	3/4	1,801.28	3/4	2,160.63	3/4	2,519.94	3/4	2,879.01	3/4	3,236.94
1	40.30	1	389.58	1	749.07	1	1,095.49	1	1,449.62	1	1,808.76	1	2,168.12	1	2,527.43	1	2,886.48	1	3,244.38
1/4	45.92	1/4	397.07	1/4	756.56	1/4	1,102.64	1/4	1,457.05	1/4	1,816.25	1/4	2,175.61	1/4	2,534.91	1/4	2,893.94	1/4	3,251.82
1/2	51.53	1/2	404.56	1/2	764.05	1/2	1,109.79	1/2	1,464.47	1/2	1,823.74	1/2	2,183.09	1/2	2,542.40	1/2	2,901.41	1/2	3,259.25
3/4	57.15	3/4	412.05	3/4	771.54	3/4	1,116.94	3/4	1,471.90	3/4	1,831.23	3/4	2,190.58	3/4	2,549.89	3/4	2,908.87	3/4	3,266.69
2	62.76	2	419.54	2	779.03	2	1,124.09	2	1,479.32	2	1,838.71	2	2,198.06	2	2,557.37	2	2,916.34	2	3,274.13
1/4	69.61	1/4	427.03	1/4	786.52	1/4	1,131.24	1/4	1,486.81	1/4	1,846.20	1/4	2,205.55	1/4	2,564.86	1/4	2,923.80	1/4	3,281.56
1/2	76.46	1/2	434.52	1/2	794.01	1/2	1,138.40	1/2	1,494.30	1/2	1,853.69	1/2	2,213.03	1/2	2,572.34	1/2	2,931.26	1/2	3,289.00
3/4	83.32	3/4	442.01	3/4	801.50	3/4	1,145.55	3/4	1,501.78	3/4	1,861.17	3/4	2,220.52	3/4	2,579.83	3/4	2,938.73	3/4	3,296.44
3	90.17	3	449.50	3	808.99	3	1,152.70	3	1,509.27	3	1,868.66	3	2,228.00	3	2,587.31	3	2,946.19	3	3,303.88
1/4	97.62	1/4	456.99	1/4	816.19	1/4	1,160.13	1/4	1,516.76	1/4	1,876.15	1/4	2,235.49	1/4	2,594.80	1/4	2,953.65	1/4	3,311.33
1/2	105.08	1/2	464.47	1/2	823.40	1/2	1,167.57	1/2	1,524.25	1/2	1,883.64	1/2	2,242.98	1/2	2,602.28	1/2	2,961.12	1/2	3,318.78
3/4	112.53	3/4	471.96	3/4	830.60	3/4	1,175.01	3/4	1,531.73	3/4	1,891.12	3/4	2,250.46	3/4	2,609.77	3/4	2,968.58	3/4	3,326.23
4	119.99	4	479.45	4	837.81	4	1,182.44	4	1,539.22	4	1,898.61	4	2,257.95	4	2,617.25	4	2,976.05	4	3,333.69
1/4	127.47	1/4	486.94	1/4	844.99	1/4	1,189.85	1/4	1,546.71	1/4	1,906.10	1/4	2,265.43	1/4	2,624.73	1/4	2,983.51	1/4	3,341.14
1/2	134.95	1/2	494.43	1/2	852.16	1/2	1,197.25	1/2	1,554.19	1/2	1,913.59	1/2	2,272.92	1/2	2,632.22	1/2	2,990.97	1/2	3,348.59
3/4	142.44	3/4	501.92	3/4	859.34	3/4	1,204.66	3/4	1,561.68	3/4	1,921.07	3/4	2,280.40	3/4	2,639.70	3/4	2,998.44	3/4	3,356.04
5	149.92	5	509.41	5	866.52	5	1,212.07	5	1,569.17	5	1,928.56	5	2,287.89	5	2,647.19	5	3,005.90	5	3,363.50
1/4	157.41	1/4	516.90	1/4	873.70	1/4	1,219.48	1/4	1,576.66	1/4	1,936.05	1/4	2,295.37	1/4	2,654.67	1/4	3,013.36	1/4	3,370.95
1/2	164.90	1/2	524.39	1/2	880.87	1/2	1,226.88	1/2	1,584.14	1/2	1,943.53	1/2	2,302.86	1/2	2,662.15	1/2	3,020.83	1/2	3,378.40
3/4	172.39	3/4	531.88	3/4	888.05	3/4	1,234.29	3/4	1,591.63	3/4	1,951.02	3/4	2,310.35	3/4	2,669.64	3/4	3,028.29	3/4	3,385.86
6	179.88	6	539.37	6	895.23	6	1,241.70	6	1,599.12	6	1,958.51	6	2,317.83	6	2,677.12	6	3,035.76	6	3,393.31
1/4	187.37	1/4	546.86	1/4	902.38	1/4	1,249.13	1/4	1,606.61	1/4	1,966.00	1/4	2,325.32	1/4	2,684.61	1/4	3,043.22	1/4	3,400.76
1/2	194.86	1/2	554.35	1/2	909.54	1/2	1,256.55	1/2	1,614.09	1/2	1,973.48	1/2	2,332.80	1/2	2,692.09	1/2	3,050.68	1/2	3,408.21
3/4	202.35	3/4	561.84	3/4	916.69	3/4	1,263.98	3/4	1,621.58	3/4	1,980.97	3/4	2,340.29	3/4	2,699.57	3/4	3,058.15	3/4	3,415.67
7	209.84	7	569.33	7	923.85	7	1,271.41	7	1,629.07	7	1,988.46	7	2,347.77	7	2,707.06	7	3,065.61	7	3,423.12
1/4	217.32	1/4	576.82	1/4	931.00	1/4	1,278.83	1/4	1,636.56	1/4	1,995.95	1/4	2,355.26	1/4	2,714.54	1/4	3,073.08	1/4	3,430.57
1/2	224.81	1/2	584.31	1/2	938.15	1/2	1,286.26	1/2	1,644.04	1/2	2,003.43	1/2	2,362.75	1/2	2,722.03	1/2	3,080.55	1/2	3,438.02
3/4	232.30	3/4	591.79	3/4	945.30	3/4	1,293.68	3/4	1,651.53	3/4	2,010.92	3/4	2,370.23	3/4	2,729.51	3/4	3,088.03	3/4	3,445.48
8	239.79	8	599.28	8	952.45	8	1,301.11	8	1,659.02	8	2,018.41	8	2,377.72	8	2,737.00	8	3,095.50	8	3,452.93
1/4	247.28	1/4	606.77	1/4	959.60	1/4	1,308.53	1/4	1,666.50	1/4	2,025.89	1/4	2,385.20	1/4	2,744.48	1/4	3,102.97	1/4	3,460.38
1/2	254.77	1/2	614.26	1/2	966.76	1/2	1,315.96	1/2	1,673.99	1/2	2,033.38	1/2	2,392.69	1/2	2,751.97	1/2	3,110.44	1/2	3,467.84
3/4	262.26	3/4	621.75	3/4	973.91	3/4	1,323.38	3/4	1,681.48	3/4	2,040.86	3/4	2,400.17	3/4	2,759.45	3/4	3,117.91	3/4	3,475.29
9	269.75	9	629.24	9	981.06	9	1,330.81	9	1,688.97	9	2,048.35	9	2,407.66	9	2,766.94	9	3,125.38	9	3,482.74
1/4	277.24	1/4	636.73	1/4	988.21	1/4	1,338.24	1/4	1,696.45	1/4	2,055.84	1/4	2,415.14	1/4	2,774.41	1/4	3,132.82	1/4	3,486.76
1/2	284.73	1/2	644.22	1/2	995.36	1/2	1,345.66	1/2	1,703.94	1/2	2,063.32	1/2	2,422.63	1/2	2,781.88	1/2	3,140.26	1/2	3,490.78
3/4	292.22	3/4	651.71	3/4	1,002.51	3/4	1,353.09	3/4	1,711.43	3/4	2,070.81	3/4	2,430.12	3/4	2,789.35	3/4	3,147.69	3/4	3,494.80
10	299.71	10	659.20	10	1,009.67	10	1,360.51	10	1,718.92	10	2,078.29	10	2,437.60	10	2,796.82	10	3,155.13	10	3,498.82
1/4	307.20	1/4	666.69	1/4	1,016.82	1/4	1,367.94	1/4	1,726.40	1/4	2,085.78	1/4	2,445.09	1/4	2,804.29	1/4	3,162.57	1/4	3,502.84
1/2	314.69	1/2	674.18	1/2	1,023.97	1/2	1,375.36	1/2	1,733.89	1/2	2,093.26	1/2	2,452.57	1/2	2,811.77	1/2	3,170.01	1/2	3,506.86
3/4	322.18	3/4	681.67	3/4	1,031.12	3/4	1,382.79	3/4	1,741.38	3/4	2,100.75	3/4	2,460.06	3/4	2,819.24	3/4	3,177.44	3/4	3,510.88
11	329.67	11	689.16	11	1,038.27	11	1,390.21	11	1,748.86	11	2,108.23	11	2,467.54	11	2,826.71	11	3,184.88	11	3,514.90
1/4	337.15	1/4	696.65	1/4	1,045.42	1/4	1,397.64	1/4	1,756.35	1/4	2,115.72	1/4	2,475.03	1/4	2,834.18	1/4	3,192.32	1/4	3,518.92
1/2	344.64	1/2	704.14	1/2	1,052.58	1/2	1,405.07	1/2	1,763.84	1/2	2,123.21	1/2	2,482.51	1/2	2,841.65	1/2	3,199.76	1/2	3,522.94
3/4	352.13	3/4	711.62	3/4	1,059.73	3/4	1,412.49	3/4	1,771.33	3/4	2,130.69	3/4	2,490.00	3/4	2,849.12	3/4	3,207.19	3/4	3,526.96

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 INNAGE 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 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,530.98	0	3,723.93	0	3,916.89	0	4,107.26	0	4,287.97	0		0		0		0		0	
1/4	3,535.00	1/4	3,727.95	1/4	3,920.91	1/4	4,111.13	1/4	4,291.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,539.02	1/2	3,731.97	1/2	3,924.93	1/2	4,115.00	1/2	4,295.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,543.04	3/4	3,735.99	3/4	3,928.95	3/4	4,118.87	3/4	4,298.85	3/4		3/4		3/4		3/4		3/4	
1	3,547.06	1	3,740.01	1	3,932.97	1	4,122.74	1	4,302.47	1		1		1		1		1	
1/4	3,551.08	1/4	3,744.03	1/4	3,936.99	1/4	4,126.57	1/4	4,306.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,555.10	1/2	3,748.05	1/2	3,941.01	1/2	4,130.41	1/2	4,309.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,559.12	3/4	3,752.07	3/4	3,945.03	3/4	4,134.25	3/4	4,313.30	3/4		3/4		3/4		3/4		3/4	
2	3,563.14	2	3,756.09	2	3,949.05	2	4,138.09	2	4,316.91	2		2		2		2		2	
1/4	3,567.16	1/4	3,760.11	1/4	3,953.07	1/4	4,141.91	1/4	4,320.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,571.18	1/2	3,764.13	1/2	3,957.09	1/2	4,145.73	1/2	4,324.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,575.20	3/4	3,768.15	3/4	3,961.11	3/4	4,149.56	3/4	4,327.69	3/4		3/4		3/4		3/4		3/4	
3	3,579.22	3	3,772.17	3	3,965.13	3	4,153.38	3	4,331.28	3		3		3		3		3	
1/4	3,583.24	1/4	3,776.19	1/4	3,969.14	1/4	4,157.19	1/4	4,334.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,587.26	1/2	3,780.21	1/2	3,973.15	1/2	4,160.99	1/2	4,338.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,591.28	3/4	3,784.23	3/4	3,977.16	3/4	4,164.80	3/4	4,341.98	3/4		3/4		3/4		3/4		3/4	
4	3,595.30	4	3,788.25	4	3,981.17	4	4,168.61	4	4,345.55	4		4		4		4		4	
1/4	3,599.32	1/4	3,792.27	1/4	3,985.16	1/4	4,172.40	1/4	4,349.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.34	1/2	3,796.29	1/2	3,989.16	1/2	4,176.19	1/2	4,352.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,607.36	3/4	3,800.31	3/4	3,993.16	3/4	4,179.98	3/4	4,356.12	3/4		3/4		3/4		3/4		3/4	
5	3,611.38	5	3,804.33	5	3,997.15	5	4,183.77	5	4,359.65	5		5		5		5		5	
1/4	3,615.40	1/4	3,808.35	1/4	4,001.13	1/4	4,187.54	1/4	4,362.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,619.42	1/2	3,812.37	1/2	4,005.11	1/2	4,191.32	1/2	4,365.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,623.44	3/4	3,816.39	3/4	4,009.09	3/4	4,195.09	3/4	4,368.41	3/4		3/4		3/4		3/4		3/4	
6	3,627.46	6	3,820.41	6	4,013.07	6	4,198.87	6	4,371.33	6		6		6		6		6	
1/4	3,631.48	1/4	3,824.43	1/4	4,017.04	1/4	4,202.63	1/4	4,373.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,635.50	1/2	3,828.45	1/2	4,021.00	1/2	4,206.39	1/2	4,375.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,639.52	3/4	3,832.47	3/4	4,024.97	3/4	4,210.14	3/4	4,377.60	3/4		3/4		3/4		3/4		3/4	
7	3,643.54	7	3,836.49	7	4,028.93	7	4,213.90	7	4,379.70	7		7		7		7		7	
1/4	3,647.56	1/4	3,840.51	1/4	4,032.88	1/4	4,217.65	1/4	4,380.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,651.58	1/2	3,844.53	1/2	4,036.83	1/2	4,221.39	1/2	4,381.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,655.60	3/4	3,848.55	3/4	4,040.78	3/4	4,225.13	3/4	4,382.26	3/4		3/4		3/4		3/4		3/4	
8	3,659.62	8	3,852.57	8	4,044.72	8	4,228.87	8	4,383.12	8		8		8		8		8	
1/4	3,663.64	1/4	3,856.59	1/4	4,048.66	1/4	4,232.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,667.66	1/2	3,860.61	1/2	4,052.59	1/2	4,236.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,671.68	3/4	3,864.63	3/4	4,056.52	3/4	4,240.06	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,675.70	9	3,868.65	9	4,060.45	9	4,243.78	9		9		9		9		9		9	
1/4	3,679.72	1/4	3,872.67	1/4	4,064.37	1/4	4,247.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,683.74	1/2	3,876.69	1/2	4,068.29	1/2	4,251.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,687.76	3/4	3,880.71	3/4	4,072.20	3/4	4,254.92	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,691.78	10	3,884.73	10	4,076.12	10	4,258.63	10		10		10		10		10		10	
1/4	3,695.80	1/4	3,888.75	1/4	4,080.02	1/4	4,262.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,699.82	1/2	3,892.77	1/2	4,083.92	1/2	4,266.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,703.84	3/4	3,896.79	3/4	4,087.82	3/4	4,269.71	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,707.86	11	3,900.81	11	4,091.72	11	4,273.41	11		11		11		11		11		11	
1/4	3,711.87	1/4	3,904.83	1/4	4,095.61	1/4	4,277.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,715.89	1/2	3,908.85	1/2	4,099.49	1/2	4,280.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,719.91	3/4	3,912.87	3/4	4,103.38	3/4	4,284.33	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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