



BARGE "HBC 302"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 253'-03"

April 14, 2011

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 302"

1 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	25.14	0	366.78	0	729.72	0	1,092.32	0	1,455.14	0	1,818.08	0	2,181.02	0	2,543.96	0	2,906.90	0	3,269.60
1/4	29.71	1/4	374.34	1/4	737.28	1/4	1,099.87	1/4	1,462.70	1/4	1,825.64	1/4	2,188.58	1/4	2,551.52	1/4	2,914.46	1/4	3,277.15
1/2	34.28	1/2	381.90	1/2	744.84	1/2	1,107.42	1/2	1,470.26	1/2	1,833.20	1/2	2,196.14	1/2	2,559.08	1/2	2,922.02	1/2	3,284.71
3/4	38.85	3/4	389.47	3/4	752.40	3/4	1,114.97	3/4	1,477.82	3/4	1,840.76	3/4	2,203.70	3/4	2,566.65	3/4	2,929.58	3/4	3,292.26
1	43.41	1	397.03	1	759.96	1	1,122.52	1	1,485.38	1	1,848.32	1	2,211.27	1	2,574.21	1	2,937.14	1	3,299.82
1/4	49.24	1/4	404.59	1/4	767.52	1/4	1,130.07	1/4	1,492.94	1/4	1,855.88	1/4	2,218.83	1/4	2,581.77	1/4	2,944.70	1/4	3,307.37
1/2	55.07	1/2	412.15	1/2	775.08	1/2	1,137.62	1/2	1,500.50	1/2	1,863.45	1/2	2,226.39	1/2	2,589.33	1/2	2,952.26	1/2	3,314.93
3/4	60.90	3/4	419.71	3/4	782.64	3/4	1,145.17	3/4	1,508.06	3/4	1,871.01	3/4	2,233.95	3/4	2,596.89	3/4	2,959.82	3/4	3,322.48
2	66.73	2	427.27	2	790.20	2	1,152.72	2	1,515.63	2	1,878.57	2	2,241.51	2	2,604.45	2	2,967.38	2	3,330.04
1/4	73.73	1/4	434.83	1/4	797.77	1/4	1,160.28	1/4	1,523.19	1/4	1,886.13	1/4	2,249.07	1/4	2,612.01	1/4	2,974.94	1/4	3,337.59
1/2	80.74	1/2	442.39	1/2	805.33	1/2	1,167.83	1/2	1,530.75	1/2	1,893.69	1/2	2,256.63	1/2	2,619.58	1/2	2,982.50	1/2	3,345.15
3/4	87.74	3/4	449.95	3/4	812.89	3/4	1,175.38	3/4	1,538.31	3/4	1,901.25	3/4	2,264.19	3/4	2,627.14	3/4	2,990.06	3/4	3,352.70
3	94.74	3	457.52	3	820.45	3	1,182.93	3	1,545.87	3	1,908.81	3	2,271.76	3	2,634.70	3	2,997.62	3	3,360.26
1/4	102.27	1/4	465.08	1/4	828.01	1/4	1,190.49	1/4	1,553.43	1/4	1,916.37	1/4	2,279.32	1/4	2,642.26	1/4	3,005.18	1/4	3,367.81
1/2	109.80	1/2	472.64	1/2	835.57	1/2	1,198.05	1/2	1,560.99	1/2	1,923.94	1/2	2,286.88	1/2	2,649.82	1/2	3,012.73	1/2	3,375.37
3/4	117.33	3/4	480.20	3/4	843.13	3/4	1,205.61	3/4	1,568.55	3/4	1,931.50	3/4	2,294.44	3/4	2,657.38	3/4	3,020.29	3/4	3,382.92
4	124.86	4	487.76	4	850.69	4	1,213.17	4	1,576.12	4	1,939.06	4	2,302.00	4	2,664.94	4	3,027.84	4	3,390.48
1/4	132.41	1/4	495.32	1/4	858.25	1/4	1,220.73	1/4	1,583.68	1/4	1,946.62	1/4	2,309.56	1/4	2,672.50	1/4	3,035.40	1/4	3,398.03
1/2	139.97	1/2	502.88	1/2	865.81	1/2	1,228.30	1/2	1,591.24	1/2	1,954.18	1/2	2,317.12	1/2	2,680.07	1/2	3,042.95	1/2	3,405.59
3/4	147.52	3/4	510.44	3/4	873.37	3/4	1,235.86	3/4	1,598.80	3/4	1,961.74	3/4	2,324.68	3/4	2,687.63	3/4	3,050.51	3/4	3,413.14
5	155.07	5	518.00	5	880.92	5	1,243.42	5	1,606.36	5	1,969.30	5	2,332.25	5	2,695.19	5	3,058.06	5	3,420.70
1/4	162.63	1/4	525.57	1/4	888.47	1/4	1,250.98	1/4	1,613.92	1/4	1,976.86	1/4	2,339.81	1/4	2,702.75	1/4	3,065.62	1/4	3,428.25
1/2	170.19	1/2	533.13	1/2	896.02	1/2	1,258.54	1/2	1,621.48	1/2	1,984.43	1/2	2,347.37	1/2	2,710.31	1/2	3,073.17	1/2	3,435.81
3/4	177.76	3/4	540.69	3/4	903.57	3/4	1,266.10	3/4	1,629.05	3/4	1,991.99	3/4	2,354.93	3/4	2,717.87	3/4	3,080.73	3/4	3,443.36
6	185.32	6	548.25	6	911.12	6	1,273.66	6	1,636.61	6	1,999.55	6	2,362.49	6	2,725.43	6	3,088.28	6	3,450.92
1/4	192.88	1/4	555.81	1/4	918.67	1/4	1,281.23	1/4	1,644.17	1/4	2,007.11	1/4	2,370.05	1/4	2,732.99	1/4	3,095.84	1/4	3,458.47
1/2	200.44	1/2	563.37	1/2	926.22	1/2	1,288.79	1/2	1,651.73	1/2	2,014.67	1/2	2,377.61	1/2	2,740.56	1/2	3,103.39	1/2	3,466.03
3/4	208.00	3/4	570.93	3/4	933.77	3/4	1,296.35	3/4	1,659.29	3/4	2,022.23	3/4	2,385.18	3/4	2,748.12	3/4	3,110.95	3/4	3,473.58
7	215.56	7	578.49	7	941.32	7	1,303.91	7	1,666.85	7	2,029.79	7	2,392.74	7	2,755.68	7	3,118.50	7	3,481.14
1/4	223.12	1/4	586.05	1/4	948.87	1/4	1,311.47	1/4	1,674.41	1/4	2,037.36	1/4	2,400.30	1/4	2,763.24	1/4	3,126.06	1/4	3,488.69
1/2	230.68	1/2	593.62	1/2	956.42	1/2	1,319.03	1/2	1,681.97	1/2	2,044.92	1/2	2,407.86	1/2	2,770.80	1/2	3,133.61	1/2	3,496.25
3/4	238.24	3/4	601.18	3/4	963.97	3/4	1,326.59	3/4	1,689.54	3/4	2,052.48	3/4	2,415.42	3/4	2,778.36	3/4	3,141.16	3/4	3,503.80
8	245.80	8	608.74	8	971.52	8	1,334.15	8	1,697.10	8	2,060.04	8	2,422.98	8	2,785.92	8	3,148.72	8	3,511.36
1/4	253.37	1/4	616.30	1/4	979.07	1/4	1,341.72	1/4	1,704.66	1/4	2,067.60	1/4	2,430.54	1/4	2,793.49	1/4	3,156.27	1/4	3,518.91
1/2	260.93	1/2	623.86	1/2	986.62	1/2	1,349.28	1/2	1,712.22	1/2	2,075.16	1/2	2,438.10	1/2	2,801.05	1/2	3,163.83	1/2	3,526.46
3/4	268.49	3/4	631.42	3/4	994.17	3/4	1,356.84	3/4	1,719.78	3/4	2,082.72	3/4	2,445.67	3/4	2,808.61	3/4	3,171.38	3/4	3,534.02
9	276.05	9	638.98	9	1,001.72	9	1,364.40	9	1,727.34	9	2,090.28	9	2,453.23	9	2,816.17	9	3,178.94	9	3,541.57
1/4	283.61	1/4	646.54	1/4	1,009.27	1/4	1,371.96	1/4	1,734.90	1/4	2,097.85	1/4	2,460.79	1/4	2,823.73	1/4	3,186.49	1/4	3,549.13
1/2	291.17	1/2	654.10	1/2	1,016.82	1/2	1,379.52	1/2	1,742.46	1/2	2,105.41	1/2	2,468.35	1/2	2,831.29	1/2	3,194.05	1/2	3,556.68
3/4	298.73	3/4	661.67	3/4	1,024.37	3/4	1,387.08	3/4	1,750.03	3/4	2,112.97	3/4	2,475.91	3/4	2,838.85	3/4	3,201.60	3/4	3,564.24
10	306.29	10	669.23	10	1,031.92	10	1,394.64	10	1,757.59	10	2,120.53	10	2,483.47	10	2,846.42	10	3,209.16	10	3,571.79
1/4	313.85	1/4	676.79	1/4	1,039.47	1/4	1,402.21	1/4	1,765.15	1/4	2,128.09	1/4	2,491.03	1/4	2,853.98	1/4	3,216.71	1/4	3,579.35
1/2	321.42	1/2	684.35	1/2	1,047.02	1/2	1,409.77	1/2	1,772.71	1/2	2,135.65	1/2	2,498.59	1/2	2,861.54	1/2	3,224.27	1/2	3,586.90
3/4	328.98	3/4	691.91	3/4	1,054.57	3/4	1,417.33	3/4	1,780.27	3/4	2,143.21	3/4	2,506.16	3/4	2,869.10	3/4	3,231.82	3/4	3,594.46
11	336.54	11	699.47	11	1,062.12	11	1,424.89	11	1,787.83	11	2,150.77	11	2,513.72	11	2,876.66	11	3,239.38	11	3,602.01
1/4	344.10	1/4	707.03	1/4	1,069.67	1/4	1,432.45	1/4	1,795.39	1/4	2,158.34	1/4	2,521.28	1/4	2,884.22	1/4	3,246.93	1/4	3,609.57
1/2	351.66	1/2	714.59	1/2	1,077.22	1/2	1,440.01	1/2	1,802.95	1/2	2,165.90	1/2	2,528.84	1/2	2,891.78	1/2	3,254.49	1/2	3,617.12
3/4	359.22	3/4	722.15	3/4	1,084.77	3/4	1,447.57	3/4	1,810.52	3/4	2,173.46	3/4	2,536.40	3/4	2,899.34	3/4	3,262.04	3/4	3,624.68

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 302"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,632.23	0	3,994.87	0	4,357.50	0	4,720.01	0	5,081.20	0		0		0		0		0	
1/4	3,639.79	1/4	4,002.42	1/4	4,365.06	1/4	4,727.53	1/4	5,088.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,647.34	1/2	4,009.98	1/2	4,372.61	1/2	4,735.06	1/2	5,096.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,654.90	3/4	4,017.53	3/4	4,380.17	3/4	4,742.58	3/4	5,103.53	3/4		3/4		3/4		3/4		3/4	
1	3,662.45	1	4,025.09	1	4,387.72	1	4,750.11	1	5,110.98	1		1		1		1		1	
1/4	3,670.01	1/4	4,032.64	1/4	4,395.28	1/4	4,757.63	1/4	5,118.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,677.56	1/2	4,040.20	1/2	4,402.83	1/2	4,765.16	1/2	5,125.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,685.12	3/4	4,047.75	3/4	4,410.39	3/4	4,772.69	3/4	5,133.31	3/4		3/4		3/4		3/4		3/4	
2	3,692.67	2	4,055.31	2	4,417.94	2	4,780.21	2	5,140.75	2		2		2		2		2	
1/4	3,700.23	1/4	4,062.86	1/4	4,425.50	1/4	4,787.74	1/4	5,148.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,707.78	1/2	4,070.42	1/2	4,433.05	1/2	4,795.26	1/2	5,155.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,715.34	3/4	4,077.97	3/4	4,440.61	3/4	4,802.79	3/4	5,163.09	3/4		3/4		3/4		3/4		3/4	
3	3,722.89	3	4,085.53	3	4,448.16	3	4,810.31	3	5,170.53	3		3		3		3		3	
1/4	3,730.45	1/4	4,093.08	1/4	4,455.72	1/4	4,817.84	1/4	5,177.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,738.00	1/2	4,100.64	1/2	4,463.27	1/2	4,825.36	1/2	5,185.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,745.56	3/4	4,108.19	3/4	4,470.83	3/4	4,832.89	3/4	5,192.87	3/4		3/4		3/4		3/4		3/4	
4	3,753.11	4	4,115.75	4	4,478.38	4	4,840.42	4	5,200.31	4		4		4		4		4	
1/4	3,760.67	1/4	4,123.30	1/4	4,485.94	1/4	4,847.94	1/4	5,207.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,768.22	1/2	4,130.86	1/2	4,493.49	1/2	4,855.47	1/2	5,215.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,775.78	3/4	4,138.41	3/4	4,501.05	3/4	4,862.99	3/4	5,222.65	3/4		3/4		3/4		3/4		3/4	
5	3,783.33	5	4,145.97	5	4,508.60	5	4,870.52	5	5,230.10	5		5		5		5		5	
1/4	3,790.89	1/4	4,153.52	1/4	4,516.16	1/4	4,878.04	1/4	5,237.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,798.44	1/2	4,161.08	1/2	4,523.71	1/2	4,885.57	1/2	5,244.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,806.00	3/4	4,168.63	3/4	4,531.27	3/4	4,893.10	3/4	5,252.05	3/4		3/4		3/4		3/4		3/4	
6	3,813.55	6	4,176.19	6	4,538.82	6	4,900.62	6	5,259.37	6		6		6		6		6	
1/4	3,821.11	1/4	4,183.74	1/4	4,546.38	1/4	4,908.15	1/4	5,265.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,828.66	1/2	4,191.30	1/2	4,553.93	1/2	4,915.67	1/2	5,271.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,836.22	3/4	4,198.85	3/4	4,561.49	3/4	4,923.20	3/4	5,277.55	3/4		3/4		3/4		3/4		3/4	
7	3,843.77	7	4,206.41	7	4,569.04	7	4,930.72	7	5,283.61	7		7		7		7		7	
1/4	3,851.33	1/4	4,213.96	1/4	4,576.60	1/4	4,938.25	1/4	5,288.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,858.88	1/2	4,221.52	1/2	4,584.15	1/2	4,945.78	1/2	5,293.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,866.44	3/4	4,229.07	3/4	4,591.71	3/4	4,953.30	3/4	5,298.00	3/4		3/4		3/4		3/4		3/4	
8	3,873.99	8	4,236.63	8	4,599.26	8	4,960.83	8	5,302.80	8		8		8		8		8	
1/4	3,881.55	1/4	4,244.18	1/4	4,606.82	1/4	4,968.35	1/4	5,306.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,889.10	1/2	4,251.74	1/2	4,614.37	1/2	4,975.88	1/2	5,309.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,896.66	3/4	4,259.29	3/4	4,621.93	3/4	4,983.40	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,904.21	9	4,266.85	9	4,629.48	9	4,990.93	9		9		9		9		9		9	
1/4	3,911.76	1/4	4,274.40	1/4	4,637.04	1/4	4,998.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,919.32	1/2	4,281.95	1/2	4,644.59	1/2	5,005.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,926.87	3/4	4,289.51	3/4	4,652.15	3/4	5,013.51	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,934.43	10	4,297.06	10	4,659.70	10	5,021.03	10		10		10		10		10		10	
1/4	3,941.98	1/4	4,304.62	1/4	4,667.25	1/4	5,028.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,949.54	1/2	4,312.17	1/2	4,674.80	1/2	5,036.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,957.09	3/4	4,319.73	3/4	4,682.35	3/4	5,043.61	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,964.65	11	4,327.28	11	4,689.90	11	5,051.14	11		11		11		11		11		11	
1/4	3,972.20	1/4	4,334.84	1/4	4,697.43	1/4	5,058.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,979.76	1/2	4,342.39	1/2	4,704.95	1/2	5,066.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,987.31	3/4	4,349.95	3/4	4,712.48	3/4	5,073.68	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 CL - SW
CALCULATED: 04/14/2011 CL
PRINTED: 04/14/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HBC 302"

1 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	25.14	0	366.78	0	729.72	0	1,090.88	0	1,453.24	0	1,816.18	0	2,179.12	0	2,542.07	0	2,905.00	0	3,267.70
1/4	29.71	1/4	374.34	1/4	737.28	1/4	1,098.39	1/4	1,460.80	1/4	1,823.74	1/4	2,186.68	1/4	2,549.63	1/4	2,912.56	1/4	3,275.26
1/2	34.28	1/2	381.90	1/2	744.84	1/2	1,105.90	1/2	1,468.36	1/2	1,831.30	1/2	2,194.25	1/2	2,557.19	1/2	2,920.12	1/2	3,282.81
3/4	38.85	3/4	389.47	3/4	752.40	3/4	1,113.41	3/4	1,475.92	3/4	1,838.86	3/4	2,201.81	3/4	2,564.75	3/4	2,927.68	3/4	3,290.37
1	43.41	1	397.03	1	759.96	1	1,120.92	1	1,483.48	1	1,846.43	1	2,209.37	1	2,572.31	1	2,935.24	1	3,297.92
1/4	49.24	1/4	404.59	1/4	767.52	1/4	1,128.43	1/4	1,491.04	1/4	1,853.99	1/4	2,216.93	1/4	2,579.87	1/4	2,942.81	1/4	3,305.48
1/2	55.07	1/2	412.15	1/2	775.08	1/2	1,135.94	1/2	1,498.61	1/2	1,861.55	1/2	2,224.49	1/2	2,587.43	1/2	2,950.37	1/2	3,313.03
3/4	60.90	3/4	419.71	3/4	782.64	3/4	1,143.45	3/4	1,506.17	3/4	1,869.11	3/4	2,232.05	3/4	2,594.99	3/4	2,957.93	3/4	3,320.59
2	66.73	2	427.27	2	790.20	2	1,150.96	2	1,513.73	2	1,876.67	2	2,239.61	2	2,602.56	2	2,965.49	2	3,328.14
1/4	73.73	1/4	434.83	1/4	797.76	1/4	1,158.48	1/4	1,521.29	1/4	1,884.23	1/4	2,247.17	1/4	2,610.12	1/4	2,973.05	1/4	3,335.70
1/2	80.74	1/2	442.39	1/2	805.31	1/2	1,166.00	1/2	1,528.85	1/2	1,891.79	1/2	2,254.74	1/2	2,617.68	1/2	2,980.61	1/2	3,343.25
3/4	87.74	3/4	449.95	3/4	812.87	3/4	1,173.51	3/4	1,536.41	3/4	1,899.36	3/4	2,262.30	3/4	2,625.24	3/4	2,988.17	3/4	3,350.81
3	94.74	3	457.52	3	820.42	3	1,181.03	3	1,543.97	3	1,906.92	3	2,269.86	3	2,632.80	3	2,995.73	3	3,358.36
1/4	102.27	1/4	465.08	1/4	827.94	1/4	1,188.59	1/4	1,551.54	1/4	1,914.48	1/4	2,277.42	1/4	2,640.36	1/4	3,003.28	1/4	3,365.92
1/2	109.80	1/2	472.64	1/2	835.46	1/2	1,196.15	1/2	1,559.10	1/2	1,922.04	1/2	2,284.98	1/2	2,647.92	1/2	3,010.83	1/2	3,373.47
3/4	117.33	3/4	480.20	3/4	842.99	3/4	1,203.72	3/4	1,566.66	3/4	1,929.60	3/4	2,292.54	3/4	2,655.48	3/4	3,018.39	3/4	3,381.03
4	124.86	4	487.76	4	850.51	4	1,211.28	4	1,574.22	4	1,937.16	4	2,300.10	4	2,663.05	4	3,025.94	4	3,388.58
1/4	132.41	1/4	495.32	1/4	858.03	1/4	1,218.84	1/4	1,581.78	1/4	1,944.72	1/4	2,307.67	1/4	2,670.61	1/4	3,033.50	1/4	3,396.13
1/2	139.97	1/2	502.88	1/2	865.55	1/2	1,226.40	1/2	1,589.34	1/2	1,952.28	1/2	2,315.23	1/2	2,678.17	1/2	3,041.05	1/2	3,403.69
3/4	147.52	3/4	510.44	3/4	873.07	3/4	1,233.96	3/4	1,596.90	3/4	1,959.85	3/4	2,322.79	3/4	2,685.73	3/4	3,048.61	3/4	3,411.24
5	155.07	5	518.00	5	880.59	5	1,241.52	5	1,604.46	5	1,967.41	5	2,330.35	5	2,693.29	5	3,056.16	5	3,418.80
1/4	162.63	1/4	525.57	1/4	888.10	1/4	1,249.08	1/4	1,612.03	1/4	1,974.97	1/4	2,337.91	1/4	2,700.85	1/4	3,063.72	1/4	3,426.35
1/2	170.19	1/2	533.13	1/2	895.61	1/2	1,256.64	1/2	1,619.59	1/2	1,982.53	1/2	2,345.47	1/2	2,708.41	1/2	3,071.27	1/2	3,433.91
3/4	177.76	3/4	540.69	3/4	903.12	3/4	1,264.21	3/4	1,627.15	3/4	1,990.09	3/4	2,353.03	3/4	2,715.98	3/4	3,078.83	3/4	3,441.46
6	185.32	6	548.25	6	910.63	6	1,271.77	6	1,634.71	6	1,997.65	6	2,360.59	6	2,723.54	6	3,086.38	6	3,449.02
1/4	192.88	1/4	555.81	1/4	918.14	1/4	1,279.33	1/4	1,642.27	1/4	2,005.21	1/4	2,368.16	1/4	2,731.10	1/4	3,093.94	1/4	3,456.57
1/2	200.44	1/2	563.37	1/2	925.65	1/2	1,286.89	1/2	1,649.83	1/2	2,012.77	1/2	2,375.72	1/2	2,738.66	1/2	3,101.49	1/2	3,464.13
3/4	208.00	3/4	570.93	3/4	933.16	3/4	1,294.45	3/4	1,657.39	3/4	2,020.34	3/4	2,383.28	3/4	2,746.22	3/4	3,109.05	3/4	3,471.68
7	215.56	7	578.49	7	940.67	7	1,302.01	7	1,664.95	7	2,027.90	7	2,390.84	7	2,753.78	7	3,116.60	7	3,479.24
1/4	223.12	1/4	586.05	1/4	948.18	1/4	1,309.57	1/4	1,672.52	1/4	2,035.46	1/4	2,398.40	1/4	2,761.34	1/4	3,124.16	1/4	3,486.79
1/2	230.68	1/2	593.62	1/2	955.69	1/2	1,317.13	1/2	1,680.08	1/2	2,043.02	1/2	2,405.96	1/2	2,768.90	1/2	3,131.71	1/2	3,494.35
3/4	238.24	3/4	601.18	3/4	963.20	3/4	1,324.70	3/4	1,687.64	3/4	2,050.58	3/4	2,413.52	3/4	2,776.47	3/4	3,139.27	3/4	3,501.90
8	245.80	8	608.74	8	970.71	8	1,332.26	8	1,695.20	8	2,058.14	8	2,421.08	8	2,784.03	8	3,146.82	8	3,509.46
1/4	253.37	1/4	616.30	1/4	978.22	1/4	1,339.82	1/4	1,702.76	1/4	2,065.70	1/4	2,428.65	1/4	2,791.59	1/4	3,154.38	1/4	3,517.01
1/2	260.93	1/2	623.86	1/2	985.73	1/2	1,347.38	1/2	1,710.32	1/2	2,073.26	1/2	2,436.21	1/2	2,799.15	1/2	3,161.93	1/2	3,524.57
3/4	268.49	3/4	631.42	3/4	993.24	3/4	1,354.94	3/4	1,717.88	3/4	2,080.83	3/4	2,443.77	3/4	2,806.71	3/4	3,169.49	3/4	3,532.12
9	276.05	9	638.98	9	1,000.75	9	1,362.50	9	1,725.45	9	2,088.39	9	2,451.33	9	2,814.28	9	3,177.04	9	3,539.68
1/4	283.61	1/4	646.54	1/4	1,008.27	1/4	1,370.06	1/4	1,733.01	1/4	2,095.95	1/4	2,458.89	1/4	2,821.84	1/4	3,184.60	1/4	3,547.23
1/2	291.17	1/2	654.10	1/2	1,015.78	1/2	1,377.63	1/2	1,740.57	1/2	2,103.51	1/2	2,466.45	1/2	2,829.40	1/2	3,192.15	1/2	3,554.79
3/4	298.73	3/4	661.67	3/4	1,023.29	3/4	1,385.19	3/4	1,748.13	3/4	2,111.07	3/4	2,474.01	3/4	2,836.96	3/4	3,199.71	3/4	3,562.34
10	306.29	10	669.23	10	1,030.80	10	1,392.75	10	1,755.69	10	2,118.63	10	2,481.58	10	2,844.52	10	3,207.26	10	3,569.90
1/4	313.85	1/4	676.79	1/4	1,038.31	1/4	1,400.31	1/4	1,763.25	1/4	2,126.19	1/4	2,489.14	1/4	2,852.08	1/4	3,214.82	1/4	3,577.45
1/2	321.42	1/2	684.35	1/2	1,045.82	1/2	1,407.87	1/2	1,770.81	1/2	2,133.76	1/2	2,496.70	1/2	2,859.64	1/2	3,222.37	1/2	3,585.01
3/4	328.98	3/4	691.91	3/4	1,053.33	3/4	1,415.43	3/4	1,778.37	3/4	2,141.32	3/4	2,504.26	3/4	2,867.20	3/4	3,229.93	3/4	3,592.56
11	336.54	11	699.47	11	1,060.84	11	1,422.99	11	1,785.94	11	2,148.88	11	2,511.82	11	2,874.76	11	3,237.48	11	3,600.12
1/4	344.10	1/4	707.03	1/4	1,068.35	1/4	1,430.55	1/4	1,793.50	1/4	2,156.44	1/4	2,519.38	1/4	2,882.32	1/4	3,245.04	1/4	3,607.67
1/2	351.66	1/2	714.59	1/2	1,075.86	1/2	1,438.12	1/2	1,801.06	1/2	2,164.00	1/2	2,526.94	1/2	2,889.88	1/2	3,252.59	1/2	3,615.23
3/4	359.22	3/4	722.15	3/4	1,083.37	3/4	1,445.68	3/4	1,808.62	3/4	2,171.56	3/4	2,534.50	3/4	2,897.44	3/4	3,260.15	3/4	3,622.78

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 302"

**1 STBD
INNAGE 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	3,630.34	0	3,992.97	0	4,355.61	0	4,718.11	0	5,079.30	0		0		0		0		0	
1/4	3,637.89	1/4	4,000.53	1/4	4,363.16	1/4	4,725.63	1/4	5,086.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,645.45	1/2	4,008.08	1/2	4,370.72	1/2	4,733.16	1/2	5,094.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,653.00	3/4	4,015.64	3/4	4,378.27	3/4	4,740.69	3/4	5,101.64	3/4		3/4		3/4		3/4		3/4	
1	3,660.56	1	4,023.19	1	4,385.83	1	4,748.21	1	5,109.08	1		1		1		1		1	
1/4	3,668.11	1/4	4,030.75	1/4	4,393.38	1/4	4,755.74	1/4	5,116.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,675.67	1/2	4,038.30	1/2	4,400.94	1/2	4,763.26	1/2	5,123.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,683.22	3/4	4,045.86	3/4	4,408.49	3/4	4,770.79	3/4	5,131.41	3/4		3/4		3/4		3/4		3/4	
2	3,690.78	2	4,053.41	2	4,416.05	2	4,778.31	2	5,138.86	2		2		2		2		2	
1/4	3,698.33	1/4	4,060.97	1/4	4,423.60	1/4	4,785.84	1/4	5,146.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,705.89	1/2	4,068.52	1/2	4,431.16	1/2	4,793.37	1/2	5,153.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,713.44	3/4	4,076.08	3/4	4,438.71	3/4	4,800.89	3/4	5,161.19	3/4		3/4		3/4		3/4		3/4	
3	3,721.00	3	4,083.63	3	4,446.27	3	4,808.42	3	5,168.64	3		3		3		3		3	
1/4	3,728.55	1/4	4,091.19	1/4	4,453.82	1/4	4,815.94	1/4	5,176.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,736.11	1/2	4,098.74	1/2	4,461.38	1/2	4,823.47	1/2	5,183.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,743.66	3/4	4,106.30	3/4	4,468.93	3/4	4,830.99	3/4	5,190.97	3/4		3/4		3/4		3/4		3/4	
4	3,751.22	4	4,113.85	4	4,476.49	4	4,838.52	4	5,198.41	4		4		4		4		4	
1/4	3,758.77	1/4	4,121.41	1/4	4,484.04	1/4	4,846.05	1/4	5,205.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,766.32	1/2	4,128.96	1/2	4,491.60	1/2	4,853.57	1/2	5,213.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,773.88	3/4	4,136.52	3/4	4,499.15	3/4	4,861.10	3/4	5,220.76	3/4		3/4		3/4		3/4		3/4	
5	3,781.43	5	4,144.07	5	4,506.71	5	4,868.62	5	5,228.21	5		5		5		5		5	
1/4	3,788.99	1/4	4,151.62	1/4	4,514.26	1/4	4,876.15	1/4	5,235.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,796.54	1/2	4,159.18	1/2	4,521.81	1/2	4,883.67	1/2	5,242.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,804.10	3/4	4,166.73	3/4	4,529.37	3/4	4,891.20	3/4	5,250.16	3/4		3/4		3/4		3/4		3/4	
6	3,811.65	6	4,174.29	6	4,536.92	6	4,898.73	6	5,257.47	6		6		6		6		6	
1/4	3,819.21	1/4	4,181.84	1/4	4,544.48	1/4	4,906.25	1/4	5,263.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,826.76	1/2	4,189.40	1/2	4,552.03	1/2	4,913.78	1/2	5,269.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,834.32	3/4	4,196.95	3/4	4,559.59	3/4	4,921.30	3/4	5,275.65	3/4		3/4		3/4		3/4		3/4	
7	3,841.87	7	4,204.51	7	4,567.14	7	4,928.83	7	5,281.71	7		7		7		7		7	
1/4	3,849.43	1/4	4,212.06	1/4	4,574.70	1/4	4,936.35	1/4	5,286.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,856.98	1/2	4,219.62	1/2	4,582.25	1/2	4,943.88	1/2	5,291.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,864.54	3/4	4,227.17	3/4	4,589.81	3/4	4,951.41	3/4	5,296.11	3/4		3/4		3/4		3/4		3/4	
8	3,872.09	8	4,234.73	8	4,597.36	8	4,958.93	8	5,300.90	8		8		8		8		8	
1/4	3,879.65	1/4	4,242.28	1/4	4,604.92	1/4	4,966.46	1/4	5,304.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,887.20	1/2	4,249.84	1/2	4,612.47	1/2	4,973.98	1/2	5,307.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,894.76	3/4	4,257.39	3/4	4,620.03	3/4	4,981.51	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,902.31	9	4,264.95	9	4,627.58	9	4,989.03	9		9		9		9		9		9	
1/4	3,909.87	1/4	4,272.50	1/4	4,635.14	1/4	4,996.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,917.42	1/2	4,280.06	1/2	4,642.69	1/2	5,004.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,924.98	3/4	4,287.61	3/4	4,650.25	3/4	5,011.61	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,932.53	10	4,295.17	10	4,657.80	10	5,019.14	10		10		10		10		10		10	
1/4	3,940.09	1/4	4,302.72	1/4	4,665.35	1/4	5,026.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,947.64	1/2	4,310.28	1/2	4,672.90	1/2	5,034.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,955.20	3/4	4,317.83	3/4	4,680.45	3/4	5,041.71	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,962.75	11	4,325.39	11	4,688.01	11	5,049.24	11		11		11		11		11		11	
1/4	3,970.31	1/4	4,332.94	1/4	4,695.53	1/4	5,056.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,977.86	1/2	4,340.50	1/2	4,703.06	1/2	5,064.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,985.42	3/4	4,348.05	3/4	4,710.58	3/4	5,071.79	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 CL - SW
CALCULATED: 04/14/2011 CL
PRINTED: 04/14/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

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



BARGE "HBC 302"

2 PORT 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	25.06	0	365.59	0	727.34	0	1,088.79	0	1,450.42	0	1,812.19	0	2,173.96	0	2,535.72	0	2,897.49	0	3,259.07
1/4	29.62	1/4	373.13	1/4	734.88	1/4	1,096.31	1/4	1,457.96	1/4	1,819.73	1/4	2,181.49	1/4	2,543.26	1/4	2,905.03	1/4	3,266.60
1/2	34.17	1/2	380.67	1/2	742.42	1/2	1,103.84	1/2	1,465.50	1/2	1,827.26	1/2	2,189.03	1/2	2,550.80	1/2	2,912.56	1/2	3,274.13
3/4	38.72	3/4	388.20	3/4	749.95	3/4	1,111.36	3/4	1,473.03	3/4	1,834.80	3/4	2,196.57	3/4	2,558.33	3/4	2,920.10	3/4	3,281.66
1	43.27	1	395.74	1	757.49	1	1,118.89	1	1,480.57	1	1,842.34	1	2,204.10	1	2,565.87	1	2,927.64	1	3,289.19
1/4	49.08	1/4	403.27	1/4	765.03	1/4	1,126.41	1/4	1,488.11	1/4	1,849.87	1/4	2,211.64	1/4	2,573.41	1/4	2,935.17	1/4	3,296.72
1/2	54.89	1/2	410.81	1/2	772.56	1/2	1,133.94	1/2	1,495.64	1/2	1,857.41	1/2	2,219.18	1/2	2,580.94	1/2	2,942.71	1/2	3,304.25
3/4	60.70	3/4	418.35	3/4	780.10	3/4	1,141.47	3/4	1,503.18	3/4	1,864.95	3/4	2,226.71	3/4	2,588.48	3/4	2,950.25	3/4	3,311.79
2	66.51	2	425.88	2	787.64	2	1,148.99	2	1,510.72	2	1,872.48	2	2,234.25	2	2,596.02	2	2,957.78	2	3,319.32
1/4	73.49	1/4	433.42	1/4	795.17	1/4	1,156.52	1/4	1,518.26	1/4	1,880.02	1/4	2,241.79	1/4	2,603.55	1/4	2,965.32	1/4	3,326.85
1/2	80.48	1/2	440.96	1/2	802.71	1/2	1,164.05	1/2	1,525.79	1/2	1,887.56	1/2	2,249.32	1/2	2,611.09	1/2	2,972.86	1/2	3,334.38
3/4	87.46	3/4	448.49	3/4	810.25	3/4	1,171.57	3/4	1,533.33	3/4	1,895.10	3/4	2,256.86	3/4	2,618.63	3/4	2,980.40	3/4	3,341.91
3	94.44	3	456.03	3	817.78	3	1,179.10	3	1,540.87	3	1,902.63	3	2,264.40	3	2,626.16	3	2,987.94	3	3,349.44
1/4	101.94	1/4	463.57	1/4	825.32	1/4	1,186.64	1/4	1,548.40	1/4	1,910.17	1/4	2,271.94	1/4	2,633.70	1/4	2,995.47	1/4	3,356.97
1/2	109.45	1/2	471.10	1/2	832.86	1/2	1,194.17	1/2	1,555.94	1/2	1,917.71	1/2	2,279.47	1/2	2,641.24	1/2	3,003.00	1/2	3,364.51
3/4	116.95	3/4	478.64	3/4	840.39	3/4	1,201.71	3/4	1,563.48	3/4	1,925.24	3/4	2,287.01	3/4	2,648.78	3/4	3,010.53	3/4	3,372.04
4	124.46	4	486.18	4	847.93	4	1,209.25	4	1,571.01	4	1,932.78	4	2,294.55	4	2,656.31	4	3,018.07	4	3,379.57
1/4	131.99	1/4	493.71	1/4	855.46	1/4	1,216.78	1/4	1,578.55	1/4	1,940.32	1/4	2,302.08	1/4	2,663.85	1/4	3,025.60	1/4	3,387.10
1/2	139.51	1/2	501.25	1/2	863.00	1/2	1,224.32	1/2	1,586.09	1/2	1,947.85	1/2	2,309.62	1/2	2,671.39	1/2	3,033.13	1/2	3,394.63
3/4	147.04	3/4	508.79	3/4	870.54	3/4	1,231.86	3/4	1,593.62	3/4	1,955.39	3/4	2,317.16	3/4	2,678.92	3/4	3,040.66	3/4	3,402.16
5	154.57	5	516.32	5	878.07	5	1,239.39	5	1,601.16	5	1,962.93	5	2,324.69	5	2,686.46	5	3,048.19	5	3,409.69
1/4	162.11	1/4	523.86	1/4	885.60	1/4	1,246.93	1/4	1,608.70	1/4	1,970.46	1/4	2,332.23	1/4	2,694.00	1/4	3,055.72	1/4	3,417.22
1/2	169.64	1/2	531.40	1/2	893.12	1/2	1,254.47	1/2	1,616.23	1/2	1,978.00	1/2	2,339.77	1/2	2,701.53	1/2	3,063.25	1/2	3,424.76
3/4	177.18	3/4	538.93	3/4	900.65	3/4	1,262.00	3/4	1,623.77	3/4	1,985.54	3/4	2,347.30	3/4	2,709.07	3/4	3,070.78	3/4	3,432.29
6	184.72	6	546.47	6	908.18	6	1,269.54	6	1,631.31	6	1,993.07	6	2,354.84	6	2,716.61	6	3,078.32	6	3,439.82
1/4	192.25	1/4	554.00	1/4	915.70	1/4	1,277.08	1/4	1,638.84	1/4	2,000.61	1/4	2,362.38	1/4	2,724.14	1/4	3,085.85	1/4	3,447.35
1/2	199.79	1/2	561.54	1/2	923.23	1/2	1,284.61	1/2	1,646.38	1/2	2,008.15	1/2	2,369.91	1/2	2,731.68	1/2	3,093.38	1/2	3,454.88
3/4	207.33	3/4	569.08	3/4	930.75	3/4	1,292.15	3/4	1,653.92	3/4	2,015.68	3/4	2,377.45	3/4	2,739.22	3/4	3,100.91	3/4	3,462.41
7	214.86	7	576.61	7	938.28	7	1,299.69	7	1,661.45	7	2,023.22	7	2,384.99	7	2,746.75	7	3,108.44	7	3,469.94
1/4	222.40	1/4	584.15	1/4	945.80	1/4	1,307.22	1/4	1,668.99	1/4	2,030.76	1/4	2,392.52	1/4	2,754.29	1/4	3,115.97	1/4	3,477.47
1/2	229.94	1/2	591.69	1/2	953.33	1/2	1,314.76	1/2	1,676.53	1/2	2,038.29	1/2	2,400.06	1/2	2,761.83	1/2	3,123.50	1/2	3,485.01
3/4	237.47	3/4	599.22	3/4	960.85	3/4	1,322.30	3/4	1,684.06	3/4	2,045.83	3/4	2,407.60	3/4	2,769.36	3/4	3,131.03	3/4	3,492.54
8	245.01	8	606.76	8	968.38	8	1,329.84	8	1,691.60	8	2,053.37	8	2,415.13	8	2,776.90	8	3,138.57	8	3,500.07
1/4	252.54	1/4	614.30	1/4	975.90	1/4	1,337.37	1/4	1,699.14	1/4	2,060.90	1/4	2,422.67	1/4	2,784.44	1/4	3,146.10	1/4	3,507.60
1/2	260.08	1/2	621.83	1/2	983.43	1/2	1,344.91	1/2	1,706.68	1/2	2,068.44	1/2	2,430.21	1/2	2,791.97	1/2	3,153.63	1/2	3,515.13
3/4	267.62	3/4	629.37	3/4	990.96	3/4	1,352.45	3/4	1,714.21	3/4	2,075.98	3/4	2,437.74	3/4	2,799.51	3/4	3,161.16	3/4	3,522.66
9	275.15	9	636.91	9	998.48	9	1,359.98	9	1,721.75	9	2,083.52	9	2,445.28	9	2,807.05	9	3,168.69	9	3,530.19
1/4	282.69	1/4	644.44	1/4	1,006.01	1/4	1,367.52	1/4	1,729.29	1/4	2,091.05	1/4	2,452.82	1/4	2,814.58	1/4	3,176.22	1/4	3,537.73
1/2	290.23	1/2	651.98	1/2	1,013.53	1/2	1,375.06	1/2	1,736.82	1/2	2,098.59	1/2	2,460.36	1/2	2,822.12	1/2	3,183.75	1/2	3,545.26
3/4	297.76	3/4	659.52	3/4	1,021.06	3/4	1,382.59	3/4	1,744.36	3/4	2,106.13	3/4	2,467.89	3/4	2,829.66	3/4	3,191.29	3/4	3,552.79
10	305.30	10	667.05	10	1,028.58	10	1,390.13	10	1,751.90	10	2,113.66	10	2,475.43	10	2,837.20	10	3,198.82	10	3,560.32
1/4	312.84	1/4	674.59	1/4	1,036.11	1/4	1,397.67	1/4	1,759.43	1/4	2,121.20	1/4	2,482.97	1/4	2,844.73	1/4	3,206.35	1/4	3,567.85
1/2	320.37	1/2	682.13	1/2	1,043.63	1/2	1,405.20	1/2	1,766.97	1/2	2,128.74	1/2	2,490.50	1/2	2,852.27	1/2	3,213.88	1/2	3,575.38
3/4	327.91	3/4	689.66	3/4	1,051.16	3/4	1,412.74	3/4	1,774.51	3/4	2,136.27	3/4	2,498.04	3/4	2,859.81	3/4	3,221.41	3/4	3,582.91
11	335.45	11	697.20	11	1,058.69	11	1,420.28	11	1,782.04	11	2,143.81	11	2,505.58	11	2,867.34	11	3,228.94	11	3,590.44
1/4	342.98	1/4	704.73	1/4	1,066.21	1/4	1,427.81	1/4	1,789.58	1/4	2,151.35	1/4	2,513.11	1/4	2,874.88	1/4	3,236.47	1/4	3,597.98
1/2	350.52	1/2	712.27	1/2	1,073.74	1/2	1,435.35	1/2	1,797.12	1/2	2,158.88	1/2	2,520.65	1/2	2,882.42	1/2	3,244.00	1/2	3,605.51
3/4	358.06	3/4	719.81	3/4	1,081.26	3/4	1,442.89	3/4	1,804.65	3/4	2,166.42	3/4	2,528.19	3/4	2,889.95	3/4	3,251.54	3/4	3,613.04

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'-06" 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 302"

2 PORT INNAGE 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	3,620.57	0	3,982.07	0	4,343.57	0	4,704.94	0	5,065.00	0		0		0		0		0	
1/4	3,628.10	1/4	3,989.60	1/4	4,351.11	1/4	4,712.44	1/4	5,072.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,635.63	1/2	3,997.13	1/2	4,358.64	1/2	4,719.94	1/2	5,079.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,643.16	3/4	4,004.67	3/4	4,366.17	3/4	4,727.45	3/4	5,087.26	3/4		3/4		3/4		3/4		3/4	
1	3,650.69	1	4,012.20	1	4,373.70	1	4,734.95	1	5,094.68	1		1		1		1		1	
1/4	3,658.23	1/4	4,019.73	1/4	4,381.23	1/4	4,742.45	1/4	5,102.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,665.76	1/2	4,027.26	1/2	4,388.76	1/2	4,749.95	1/2	5,109.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,673.29	3/4	4,034.79	3/4	4,396.29	3/4	4,757.45	3/4	5,116.95	3/4		3/4		3/4		3/4		3/4	
2	3,680.82	2	4,042.32	2	4,403.82	2	4,764.96	2	5,124.37	2		2		2		2		2	
1/4	3,688.35	1/4	4,049.85	1/4	4,411.36	1/4	4,772.46	1/4	5,131.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,695.88	1/2	4,057.38	1/2	4,418.89	1/2	4,779.96	1/2	5,139.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,703.41	3/4	4,064.92	3/4	4,426.42	3/4	4,787.46	3/4	5,146.63	3/4		3/4		3/4		3/4		3/4	
3	3,710.95	3	4,072.45	3	4,433.95	3	4,794.96	3	5,154.05	3		3		3		3		3	
1/4	3,718.48	1/4	4,079.98	1/4	4,441.48	1/4	4,802.47	1/4	5,161.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,726.01	1/2	4,087.51	1/2	4,449.01	1/2	4,809.97	1/2	5,168.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,733.54	3/4	4,095.04	3/4	4,456.54	3/4	4,817.47	3/4	5,176.31	3/4		3/4		3/4		3/4		3/4	
4	3,741.07	4	4,102.57	4	4,464.07	4	4,824.97	4	5,183.74	4		4		4		4		4	
1/4	3,748.60	1/4	4,110.10	1/4	4,471.61	1/4	4,832.48	1/4	5,191.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,756.13	1/2	4,117.64	1/2	4,479.14	1/2	4,839.98	1/2	5,198.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,763.66	3/4	4,125.17	3/4	4,486.67	3/4	4,847.48	3/4	5,206.01	3/4		3/4		3/4		3/4		3/4	
5	3,771.20	5	4,132.70	5	4,494.20	5	4,854.98	5	5,213.43	5		5		5		5		5	
1/4	3,778.73	1/4	4,140.23	1/4	4,501.73	1/4	4,862.48	1/4	5,220.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,786.26	1/2	4,147.76	1/2	4,509.26	1/2	4,869.99	1/2	5,228.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,793.79	3/4	4,155.29	3/4	4,516.79	3/4	4,877.49	3/4	5,235.31	3/4		3/4		3/4		3/4		3/4	
6	3,801.32	6	4,162.82	6	4,524.33	6	4,884.99	6	5,242.61	6		6		6		6		6	
1/4	3,808.85	1/4	4,170.35	1/4	4,531.86	1/4	4,892.49	1/4	5,248.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,816.38	1/2	4,177.89	1/2	4,539.39	1/2	4,899.99	1/2	5,254.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,823.91	3/4	4,185.42	3/4	4,546.92	3/4	4,907.50	3/4	5,260.72	3/4		3/4		3/4		3/4		3/4	
7	3,831.45	7	4,192.95	7	4,554.45	7	4,915.00	7	5,266.76	7		7		7		7		7	
1/4	3,838.98	1/4	4,200.48	1/4	4,561.98	1/4	4,922.50	1/4	5,271.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,846.51	1/2	4,208.01	1/2	4,569.51	1/2	4,930.00	1/2	5,276.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,854.04	3/4	4,215.54	3/4	4,577.04	3/4	4,937.50	3/4	5,281.11	3/4		3/4		3/4		3/4		3/4	
8	3,861.57	8	4,223.07	8	4,584.58	8	4,945.01	8	5,285.89	8		8		8		8		8	
1/4	3,869.10	1/4	4,230.60	1/4	4,592.11	1/4	4,952.51	1/4	5,289.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,876.63	1/2	4,238.14	1/2	4,599.64	1/2	4,960.01	1/2	5,292.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,884.16	3/4	4,245.67	3/4	4,607.17	3/4	4,967.51	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,891.70	9	4,253.20	9	4,614.70	9	4,975.01	9		9		9		9		9		9	
1/4	3,899.23	1/4	4,260.73	1/4	4,622.23	1/4	4,982.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,906.76	1/2	4,268.26	1/2	4,629.76	1/2	4,990.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,914.29	3/4	4,275.79	3/4	4,637.29	3/4	4,997.52	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,921.82	10	4,283.32	10	4,644.83	10	5,005.02	10		10		10		10		10		10	
1/4	3,929.35	1/4	4,290.86	1/4	4,652.35	1/4	5,012.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,936.88	1/2	4,298.39	1/2	4,659.88	1/2	5,020.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,944.42	3/4	4,305.92	3/4	4,667.40	3/4	5,027.53	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,951.95	11	4,313.45	11	4,674.93	11	5,035.03	11		11		11		11		11		11	
1/4	3,959.48	1/4	4,320.98	1/4	4,682.43	1/4	5,042.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,967.01	1/2	4,328.51	1/2	4,689.94	1/2	5,050.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,974.54	3/4	4,336.04	3/4	4,697.44	3/4	5,057.51	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 CL - SW
CALCULATED: 04/14/2011 CL
PRINTED: 04/14/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

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



BARGE "HBC 302"

2 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	25.06	0	365.59	0	726.28	0	1,076.29	0	1,434.24	0	1,796.00	0	2,157.77	0	2,519.54	0	2,881.30	0	3,242.88
1/4	29.62	1/4	373.13	1/4	733.58	1/4	1,083.58	1/4	1,441.77	1/4	1,803.54	1/4	2,165.31	1/4	2,527.07	1/4	2,888.84	1/4	3,250.41
1/2	34.17	1/2	380.67	1/2	740.87	1/2	1,090.86	1/2	1,449.31	1/2	1,811.08	1/2	2,172.84	1/2	2,534.61	1/2	2,896.38	1/2	3,257.94
3/4	38.72	3/4	388.20	3/4	748.17	3/4	1,098.15	3/4	1,456.85	3/4	1,818.61	3/4	2,180.38	3/4	2,542.15	3/4	2,903.91	3/4	3,265.47
1	43.27	1	395.74	1	755.47	1	1,105.44	1	1,464.38	1	1,826.15	1	2,187.92	1	2,549.68	1	2,911.45	1	3,273.00
1/4	49.08	1/4	403.27	1/4	762.77	1/4	1,112.73	1/4	1,471.92	1/4	1,833.69	1/4	2,195.45	1/4	2,557.22	1/4	2,918.99	1/4	3,280.54
1/2	54.89	1/2	410.81	1/2	770.07	1/2	1,120.01	1/2	1,479.46	1/2	1,841.22	1/2	2,202.99	1/2	2,564.76	1/2	2,926.52	1/2	3,288.07
3/4	60.70	3/4	418.35	3/4	777.37	3/4	1,127.30	3/4	1,486.99	3/4	1,848.76	3/4	2,210.53	3/4	2,572.29	3/4	2,934.06	3/4	3,295.60
2	66.51	2	425.88	2	784.66	2	1,134.59	2	1,494.53	2	1,856.30	2	2,218.06	2	2,579.83	2	2,941.60	2	3,303.13
1/4	73.49	1/4	433.42	1/4	791.96	1/4	1,141.88	1/4	1,502.07	1/4	1,863.83	1/4	2,225.60	1/4	2,587.37	1/4	2,949.14	1/4	3,310.66
1/2	80.48	1/2	440.96	1/2	799.26	1/2	1,149.17	1/2	1,509.60	1/2	1,871.37	1/2	2,233.14	1/2	2,594.90	1/2	2,956.67	1/2	3,318.19
3/4	87.46	3/4	448.49	3/4	806.56	3/4	1,156.46	3/4	1,517.14	3/4	1,878.91	3/4	2,240.67	3/4	2,602.44	3/4	2,964.21	3/4	3,325.72
3	94.44	3	456.03	3	813.86	3	1,163.74	3	1,524.68	3	1,886.44	3	2,248.21	3	2,609.98	3	2,971.75	3	3,333.26
1/4	101.94	1/4	463.57	1/4	821.16	1/4	1,171.07	1/4	1,532.22	1/4	1,893.98	1/4	2,255.75	1/4	2,617.51	1/4	2,979.28	1/4	3,340.79
1/2	109.45	1/2	471.10	1/2	828.46	1/2	1,178.40	1/2	1,539.75	1/2	1,901.52	1/2	2,263.28	1/2	2,625.05	1/2	2,986.82	1/2	3,348.32
3/4	116.95	3/4	478.64	3/4	835.75	3/4	1,185.73	3/4	1,547.29	3/4	1,909.06	3/4	2,270.82	3/4	2,632.59	3/4	2,994.35	3/4	3,355.85
4	124.46	4	486.18	4	843.05	4	1,193.06	4	1,554.83	4	1,916.59	4	2,278.36	4	2,640.12	4	3,001.88	4	3,363.38
1/4	131.99	1/4	493.71	1/4	850.35	1/4	1,200.60	1/4	1,562.36	1/4	1,924.13	1/4	2,285.90	1/4	2,647.66	1/4	3,009.41	1/4	3,370.91
1/2	139.51	1/2	501.25	1/2	857.65	1/2	1,208.13	1/2	1,569.90	1/2	1,931.67	1/2	2,293.43	1/2	2,655.20	1/2	3,016.94	1/2	3,378.44
3/4	147.04	3/4	508.79	3/4	864.94	3/4	1,215.67	3/4	1,577.44	3/4	1,939.20	3/4	2,300.97	3/4	2,662.74	3/4	3,024.47	3/4	3,385.97
5	154.57	5	516.32	5	872.24	5	1,223.21	5	1,584.97	5	1,946.74	5	2,308.51	5	2,670.27	5	3,032.00	5	3,393.51
1/4	162.11	1/4	523.86	1/4	879.53	1/4	1,230.74	1/4	1,592.51	1/4	1,954.28	1/4	2,316.04	1/4	2,677.81	1/4	3,039.53	1/4	3,401.04
1/2	169.64	1/2	531.40	1/2	886.82	1/2	1,238.28	1/2	1,600.05	1/2	1,961.81	1/2	2,323.58	1/2	2,685.35	1/2	3,047.07	1/2	3,408.57
3/4	177.18	3/4	538.93	3/4	894.10	3/4	1,245.82	3/4	1,607.58	3/4	1,969.35	3/4	2,331.12	3/4	2,692.88	3/4	3,054.60	3/4	3,416.10
6	184.72	6	546.47	6	901.39	6	1,253.35	6	1,615.12	6	1,976.89	6	2,338.65	6	2,700.42	6	3,062.13	6	3,423.63
1/4	192.25	1/4	554.00	1/4	908.68	1/4	1,260.89	1/4	1,622.66	1/4	1,984.42	1/4	2,346.19	1/4	2,707.96	1/4	3,069.66	1/4	3,431.16
1/2	199.79	1/2	561.54	1/2	915.97	1/2	1,268.43	1/2	1,630.19	1/2	1,991.96	1/2	2,353.73	1/2	2,715.49	1/2	3,077.19	1/2	3,438.69
3/4	207.33	3/4	569.08	3/4	923.25	3/4	1,275.96	3/4	1,637.73	3/4	1,999.50	3/4	2,361.26	3/4	2,723.03	3/4	3,084.72	3/4	3,446.22
7	214.86	7	576.61	7	930.54	7	1,283.50	7	1,645.27	7	2,007.03	7	2,368.80	7	2,730.57	7	3,092.25	7	3,453.76
1/4	222.40	1/4	584.15	1/4	937.83	1/4	1,291.04	1/4	1,652.80	1/4	2,014.57	1/4	2,376.34	1/4	2,738.10	1/4	3,099.78	1/4	3,461.29
1/2	229.94	1/2	591.69	1/2	945.12	1/2	1,298.57	1/2	1,660.34	1/2	2,022.11	1/2	2,383.87	1/2	2,745.64	1/2	3,107.32	1/2	3,468.82
3/4	237.47	3/4	599.22	3/4	952.40	3/4	1,306.11	3/4	1,667.88	3/4	2,029.64	3/4	2,391.41	3/4	2,753.18	3/4	3,114.85	3/4	3,476.35
8	245.01	8	606.76	8	959.69	8	1,313.65	8	1,675.41	8	2,037.18	8	2,398.95	8	2,760.71	8	3,122.38	8	3,483.88
1/4	252.54	1/4	614.30	1/4	966.98	1/4	1,321.18	1/4	1,682.95	1/4	2,044.72	1/4	2,406.48	1/4	2,768.25	1/4	3,129.91	1/4	3,491.41
1/2	260.08	1/2	621.83	1/2	974.26	1/2	1,328.72	1/2	1,690.49	1/2	2,052.25	1/2	2,414.02	1/2	2,775.79	1/2	3,137.44	1/2	3,498.94
3/4	267.62	3/4	629.37	3/4	981.55	3/4	1,336.26	3/4	1,698.02	3/4	2,059.79	3/4	2,421.56	3/4	2,783.32	3/4	3,144.97	3/4	3,506.47
9	275.15	9	636.91	9	988.84	9	1,343.80	9	1,705.56	9	2,067.33	9	2,429.09	9	2,790.86	9	3,152.50	9	3,514.01
1/4	282.69	1/4	644.44	1/4	996.13	1/4	1,351.33	1/4	1,713.10	1/4	2,074.86	1/4	2,436.63	1/4	2,798.40	1/4	3,160.04	1/4	3,521.54
1/2	290.23	1/2	651.98	1/2	1,003.41	1/2	1,358.87	1/2	1,720.64	1/2	2,082.40	1/2	2,444.17	1/2	2,805.93	1/2	3,167.57	1/2	3,529.07
3/4	297.76	3/4	659.52	3/4	1,010.70	3/4	1,366.41	3/4	1,728.17	3/4	2,089.94	3/4	2,451.70	3/4	2,813.47	3/4	3,175.10	3/4	3,536.60
10	305.30	10	667.05	10	1,017.99	10	1,373.94	10	1,735.71	10	2,097.48	10	2,459.24	10	2,821.01	10	3,182.63	10	3,544.13
1/4	312.84	1/4	674.56	1/4	1,025.28	1/4	1,381.48	1/4	1,743.25	1/4	2,105.01	1/4	2,466.78	1/4	2,828.54	1/4	3,190.16	1/4	3,551.66
1/2	320.37	1/2	682.07	1/2	1,032.56	1/2	1,389.02	1/2	1,750.78	1/2	2,112.55	1/2	2,474.32	1/2	2,836.08	1/2	3,197.69	1/2	3,559.19
3/4	327.91	3/4	689.58	3/4	1,039.85	3/4	1,396.55	3/4	1,758.32	3/4	2,120.09	3/4	2,481.85	3/4	2,843.62	3/4	3,205.22	3/4	3,566.73
11	335.45	11	697.08	11	1,047.14	11	1,404.09	11	1,765.86	11	2,127.62	11	2,489.39	11	2,851.15	11	3,212.75	11	3,574.26
1/4	342.98	1/4	704.38	1/4	1,054.43	1/4	1,411.63	1/4	1,773.39	1/4	2,135.16	1/4	2,496.93	1/4	2,858.69	1/4	3,220.29	1/4	3,581.79
1/2	350.52	1/2	711.68	1/2	1,061.71	1/2	1,419.16	1/2	1,780.93	1/2	2,142.70	1/2	2,504.46	1/2	2,866.23	1/2	3,227.82	1/2	3,589.32
3/4	358.06	3/4	718.98	3/4	1,069.00	3/4	1,426.70	3/4	1,788.47	3/4	2,150.23	3/4	2,512.00	3/4	2,873.77	3/4	3,235.35	3/4	3,596.85

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'-06" 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 302"

2 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	3,604.38	0	3,965.88	0	4,327.39	0	4,688.75	0	5,048.81	0		0		0		0		0	
1/4	3,611.91	1/4	3,973.42	1/4	4,334.92	1/4	4,696.25	1/4	5,056.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,619.44	1/2	3,980.95	1/2	4,342.45	1/2	4,703.76	1/2	5,063.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,626.98	3/4	3,988.48	3/4	4,349.98	3/4	4,711.26	3/4	5,071.08	3/4		3/4		3/4		3/4		3/4	
1	3,634.51	1	3,996.01	1	4,357.51	1	4,718.76	1	5,078.50	1		1		1		1		1	
1/4	3,642.04	1/4	4,003.54	1/4	4,365.04	1/4	4,726.26	1/4	5,085.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,649.57	1/2	4,011.07	1/2	4,372.57	1/2	4,733.76	1/2	5,093.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,657.10	3/4	4,018.60	3/4	4,380.11	3/4	4,741.27	3/4	5,100.76	3/4		3/4		3/4		3/4		3/4	
2	3,664.63	2	4,026.13	2	4,387.64	2	4,748.77	2	5,108.18	2		2		2		2		2	
1/4	3,672.16	1/4	4,033.67	1/4	4,395.17	1/4	4,756.27	1/4	5,115.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,679.69	1/2	4,041.20	1/2	4,402.70	1/2	4,763.77	1/2	5,123.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,687.23	3/4	4,048.73	3/4	4,410.23	3/4	4,771.28	3/4	5,130.44	3/4		3/4		3/4		3/4		3/4	
3	3,694.76	3	4,056.26	3	4,417.76	3	4,778.78	3	5,137.86	3		3		3		3		3	
1/4	3,702.29	1/4	4,063.79	1/4	4,425.29	1/4	4,786.28	1/4	5,145.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,709.82	1/2	4,071.32	1/2	4,432.82	1/2	4,793.78	1/2	5,152.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,717.35	3/4	4,078.85	3/4	4,440.36	3/4	4,801.28	3/4	5,160.13	3/4		3/4		3/4		3/4		3/4	
4	3,724.88	4	4,086.39	4	4,447.89	4	4,808.79	4	5,167.55	4		4		4		4		4	
1/4	3,732.41	1/4	4,093.92	1/4	4,455.42	1/4	4,816.29	1/4	5,174.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,739.95	1/2	4,101.45	1/2	4,462.95	1/2	4,823.79	1/2	5,182.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,747.48	3/4	4,108.98	3/4	4,470.48	3/4	4,831.29	3/4	5,189.82	3/4		3/4		3/4		3/4		3/4	
5	3,755.01	5	4,116.51	5	4,478.01	5	4,838.79	5	5,197.25	5		5		5		5		5	
1/4	3,762.54	1/4	4,124.04	1/4	4,485.54	1/4	4,846.30	1/4	5,204.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,770.07	1/2	4,131.57	1/2	4,493.08	1/2	4,853.80	1/2	5,211.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,777.60	3/4	4,139.10	3/4	4,500.61	3/4	4,861.30	3/4	5,219.13	3/4		3/4		3/4		3/4		3/4	
6	3,785.13	6	4,146.64	6	4,508.14	6	4,868.80	6	5,226.42	6		6		6		6		6	
1/4	3,792.66	1/4	4,154.17	1/4	4,515.67	1/4	4,876.30	1/4	5,232.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,800.20	1/2	4,161.70	1/2	4,523.20	1/2	4,883.81	1/2	5,238.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,807.73	3/4	4,169.23	3/4	4,530.73	3/4	4,891.31	3/4	5,244.54	3/4		3/4		3/4		3/4		3/4	
7	3,815.26	7	4,176.76	7	4,538.26	7	4,898.81	7	5,250.57	7		7		7		7		7	
1/4	3,822.79	1/4	4,184.29	1/4	4,545.79	1/4	4,906.31	1/4	5,255.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,830.32	1/2	4,191.82	1/2	4,553.33	1/2	4,913.82	1/2	5,260.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,837.85	3/4	4,199.35	3/4	4,560.86	3/4	4,921.32	3/4	5,264.92	3/4		3/4		3/4		3/4		3/4	
8	3,845.38	8	4,206.89	8	4,568.39	8	4,928.82	8	5,269.71	8		8		8		8		8	
1/4	3,852.91	1/4	4,214.42	1/4	4,575.92	1/4	4,936.32	1/4	5,273.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,860.45	1/2	4,221.95	1/2	4,583.45	1/2	4,943.82	1/2	5,276.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,867.98	3/4	4,229.48	3/4	4,590.98	3/4	4,951.33	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,875.51	9	4,237.01	9	4,598.51	9	4,958.83	9		9		9		9		9		9	
1/4	3,883.04	1/4	4,244.54	1/4	4,606.04	1/4	4,966.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,890.57	1/2	4,252.07	1/2	4,613.58	1/2	4,973.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,898.10	3/4	4,259.60	3/4	4,621.11	3/4	4,981.33	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,905.63	10	4,267.14	10	4,628.64	10	4,988.84	10		10		10		10		10		10	
1/4	3,913.17	1/4	4,274.67	1/4	4,636.16	1/4	4,996.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,920.70	1/2	4,282.20	1/2	4,643.69	1/2	5,003.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,928.23	3/4	4,289.73	3/4	4,651.22	3/4	5,011.34	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,935.76	11	4,297.26	11	4,658.74	11	5,018.84	11		11		11		11		11		11	
1/4	3,943.29	1/4	4,304.79	1/4	4,666.25	1/4	5,026.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,950.82	1/2	4,312.32	1/2	4,673.75	1/2	5,033.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,958.35	3/4	4,319.86	3/4	4,681.25	3/4	5,041.32	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 CL - SW
CALCULATED: 04/14/2011 CL
PRINTED: 04/14/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HBC 302"

3 PORT 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	24.97	0	364.15	0	724.48	0	1,084.50	0	1,444.71	0	1,805.05	0	2,165.35	0	2,525.25	0	2,884.13	0	3,243.27
1/4	29.50	1/4	371.66	1/4	731.99	1/4	1,091.99	1/4	1,452.21	1/4	1,812.55	1/4	2,172.86	1/4	2,532.74	1/4	2,891.58	1/4	3,250.77
1/2	34.04	1/2	379.17	1/2	739.49	1/2	1,099.49	1/2	1,459.72	1/2	1,820.06	1/2	2,180.36	1/2	2,540.22	1/2	2,899.04	1/2	3,258.27
3/4	38.57	3/4	386.67	3/4	747.00	3/4	1,106.98	3/4	1,467.23	3/4	1,827.57	3/4	2,187.86	3/4	2,547.71	3/4	2,906.50	3/4	3,265.78
1	43.11	1	394.18	1	754.51	1	1,114.48	1	1,474.73	1	1,835.08	1	2,195.37	1	2,555.20	1	2,913.95	1	3,273.28
1/4	48.89	1/4	401.69	1/4	762.01	1/4	1,121.97	1/4	1,482.24	1/4	1,842.58	1/4	2,202.87	1/4	2,562.69	1/4	2,921.42	1/4	3,280.79
1/2	54.68	1/2	409.20	1/2	769.52	1/2	1,129.47	1/2	1,489.75	1/2	1,850.09	1/2	2,210.38	1/2	2,570.18	1/2	2,928.89	1/2	3,288.29
3/4	60.47	3/4	416.70	3/4	777.03	3/4	1,136.97	3/4	1,497.26	3/4	1,857.60	3/4	2,217.88	3/4	2,577.67	3/4	2,936.36	3/4	3,295.80
2	66.25	2	424.21	2	784.54	2	1,144.46	2	1,504.76	2	1,865.10	2	2,225.38	2	2,585.16	2	2,943.83	2	3,303.30
1/4	73.21	1/4	431.72	1/4	792.04	1/4	1,151.96	1/4	1,512.27	1/4	1,872.61	1/4	2,232.89	1/4	2,592.65	1/4	2,951.30	1/4	3,310.81
1/2	80.16	1/2	439.22	1/2	799.55	1/2	1,159.46	1/2	1,519.78	1/2	1,880.12	1/2	2,240.39	1/2	2,600.14	1/2	2,958.76	1/2	3,318.31
3/4	87.12	3/4	446.73	3/4	807.06	3/4	1,166.95	3/4	1,527.28	3/4	1,887.63	3/4	2,247.90	3/4	2,607.63	3/4	2,966.23	3/4	3,325.81
3	94.07	3	454.24	3	814.56	3	1,174.45	3	1,534.79	3	1,895.13	3	2,255.40	3	2,615.12	3	2,973.70	3	3,333.32
1/4	101.54	1/4	461.74	1/4	822.07	1/4	1,181.96	1/4	1,542.30	1/4	1,902.64	1/4	2,262.90	1/4	2,622.61	1/4	2,981.17	1/4	3,340.82
1/2	109.02	1/2	469.25	1/2	829.58	1/2	1,189.46	1/2	1,549.81	1/2	1,910.15	1/2	2,270.41	1/2	2,630.10	1/2	2,988.63	1/2	3,348.33
3/4	116.50	3/4	476.76	3/4	837.08	3/4	1,196.97	3/4	1,557.31	3/4	1,917.65	3/4	2,277.91	3/4	2,637.59	3/4	2,996.10	3/4	3,355.83
4	123.97	4	484.26	4	844.59	4	1,204.48	4	1,564.82	4	1,925.16	4	2,285.42	4	2,645.07	4	3,003.56	4	3,363.34
1/4	131.47	1/4	491.77	1/4	852.10	1/4	1,211.99	1/4	1,572.33	1/4	1,932.67	1/4	2,292.92	1/4	2,652.56	1/4	3,011.03	1/4	3,370.84
1/2	138.97	1/2	499.28	1/2	859.60	1/2	1,219.49	1/2	1,579.83	1/2	1,940.17	1/2	2,300.42	1/2	2,660.05	1/2	3,018.50	1/2	3,378.35
3/4	146.47	3/4	506.78	3/4	867.11	3/4	1,227.00	3/4	1,587.34	3/4	1,947.68	3/4	2,307.93	3/4	2,667.54	3/4	3,025.96	3/4	3,385.85
5	153.97	5	514.29	5	874.61	5	1,234.51	5	1,594.85	5	1,955.19	5	2,315.43	5	2,675.03	5	3,033.43	5	3,393.36
1/4	161.47	1/4	521.80	1/4	882.11	1/4	1,242.01	1/4	1,602.36	1/4	1,962.70	1/4	2,322.94	1/4	2,682.52	1/4	3,040.89	1/4	3,400.86
1/2	168.98	1/2	529.30	1/2	889.61	1/2	1,249.52	1/2	1,609.86	1/2	1,970.20	1/2	2,330.44	1/2	2,690.01	1/2	3,048.36	1/2	3,408.36
3/4	176.48	3/4	536.81	3/4	897.10	3/4	1,257.03	3/4	1,617.37	3/4	1,977.71	3/4	2,337.94	3/4	2,697.49	3/4	3,055.83	3/4	3,415.87
6	183.99	6	544.32	6	904.60	6	1,264.54	6	1,624.88	6	1,985.22	6	2,345.45	6	2,704.98	6	3,063.29	6	3,423.37
1/4	191.50	1/4	551.82	1/4	912.09	1/4	1,272.04	1/4	1,632.38	1/4	1,992.72	1/4	2,352.95	1/4	2,712.47	1/4	3,070.76	1/4	3,430.88
1/2	199.00	1/2	559.33	1/2	919.59	1/2	1,279.55	1/2	1,639.89	1/2	2,000.23	1/2	2,360.45	1/2	2,719.96	1/2	3,078.23	1/2	3,438.38
3/4	206.51	3/4	566.84	3/4	927.08	3/4	1,287.06	3/4	1,647.40	3/4	2,007.74	3/4	2,367.96	3/4	2,727.45	3/4	3,085.70	3/4	3,445.89
7	214.02	7	574.34	7	934.58	7	1,294.56	7	1,654.91	7	2,015.25	7	2,375.46	7	2,734.94	7	3,093.18	7	3,453.39
1/4	221.53	1/4	581.85	1/4	942.08	1/4	1,302.07	1/4	1,662.41	1/4	2,022.75	1/4	2,382.95	1/4	2,742.42	1/4	3,100.68	1/4	3,460.90
1/2	229.03	1/2	589.36	1/2	949.57	1/2	1,309.58	1/2	1,669.92	1/2	2,030.26	1/2	2,390.44	1/2	2,749.91	1/2	3,108.18	1/2	3,468.40
3/4	236.54	3/4	596.87	3/4	957.07	3/4	1,317.09	3/4	1,677.43	3/4	2,037.77	3/4	2,397.93	3/4	2,757.39	3/4	3,115.69	3/4	3,475.90
8	244.05	8	604.37	8	964.56	8	1,324.59	8	1,684.93	8	2,045.27	8	2,405.42	8	2,764.87	8	3,123.19	8	3,483.41
1/4	251.55	1/4	611.88	1/4	972.06	1/4	1,332.10	1/4	1,692.44	1/4	2,052.78	1/4	2,412.90	1/4	2,772.32	1/4	3,130.70	1/4	3,490.92
1/2	259.06	1/2	619.39	1/2	979.55	1/2	1,339.61	1/2	1,699.95	1/2	2,060.29	1/2	2,420.39	1/2	2,779.78	1/2	3,138.20	1/2	3,497.55
3/4	266.57	3/4	626.89	3/4	987.05	3/4	1,347.11	3/4	1,707.45	3/4	2,067.80	3/4	2,427.88	3/4	2,787.23	3/4	3,145.71	3/4	3,504.62
9	274.07	9	634.40	9	994.55	9	1,354.62	9	1,714.96	9	2,075.30	9	2,435.37	9	2,794.68	9	3,153.21	9	3,511.69
1/4	281.58	1/4	641.91	1/4	1,002.04	1/4	1,362.13	1/4	1,722.47	1/4	2,082.81	1/4	2,442.86	1/4	2,802.13	1/4	3,160.72	1/4	3,519.20
1/2	289.09	1/2	649.41	1/2	1,009.54	1/2	1,369.64	1/2	1,729.98	1/2	2,090.31	1/2	2,450.35	1/2	2,809.59	1/2	3,168.22	1/2	3,526.71
3/4	296.59	3/4	656.92	3/4	1,017.03	3/4	1,377.14	3/4	1,737.48	3/4	2,097.82	3/4	2,457.84	3/4	2,817.04	3/4	3,175.72	3/4	3,534.22
10	304.10	10	664.43	10	1,024.53	10	1,384.65	10	1,744.99	10	2,105.32	10	2,465.33	10	2,824.50	10	3,183.23	10	3,541.73
1/4	311.61	1/4	671.93	1/4	1,032.03	1/4	1,392.16	1/4	1,752.50	1/4	2,112.82	1/4	2,472.82	1/4	2,831.95	1/4	3,190.73	1/4	3,549.24
1/2	319.11	1/2	679.44	1/2	1,039.52	1/2	1,399.66	1/2	1,760.00	1/2	2,120.33	1/2	2,480.31	1/2	2,839.40	1/2	3,198.24	1/2	3,556.75
3/4	326.62	3/4	686.95	3/4	1,047.02	3/4	1,407.17	3/4	1,767.51	3/4	2,127.83	3/4	2,487.80	3/4	2,846.86	3/4	3,205.74	3/4	3,564.26
11	334.13	11	694.45	11	1,054.51	11	1,414.68	11	1,775.02	11	2,135.34	11	2,495.29	11	2,854.31	11	3,213.25	11	3,571.76
1/4	341.63	1/4	701.96	1/4	1,062.01	1/4	1,422.18	1/4	1,782.53	1/4	2,142.84	1/4	2,502.78	1/4	2,861.77	1/4	3,220.75	1/4	3,579.27
1/2	349.14	1/2	709.47	1/2	1,069.50	1/2	1,429.69	1/2	1,790.03	1/2	2,150.34	1/2	2,510.27	1/2	2,869.22	1/2	3,228.26	1/2	3,586.78
3/4	356.65	3/4	716.97	3/4	1,077.00	3/4	1,437.20	3/4	1,797.54	3/4	2,157.85	3/4	2,517.76	3/4	2,876.67	3/4	3,235.76	3/4	3,594.29

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'-03" 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 302"

3 PORT 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	3,560.08	0	3,753.62	0	3,947.17	0	4,140.65	0	4,333.48	0		0		0		0		0	
1/4	3,564.11	1/4	3,757.66	1/4	3,951.20	1/4	4,144.67	1/4	4,337.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,568.14	1/2	3,761.69	1/2	3,955.23	1/2	4,148.69	1/2	4,341.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,572.17	3/4	3,765.72	3/4	3,959.27	3/4	4,152.70	3/4	4,345.40	3/4		3/4		3/4		3/4		3/4	
1	3,576.21	1	3,769.75	1	3,963.30	1	4,156.72	1	4,349.38	1		1		1		1		1	
1/4	3,580.24	1/4	3,773.78	1/4	3,967.33	1/4	4,160.74	1/4	4,353.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,584.27	1/2	3,777.82	1/2	3,971.36	1/2	4,164.76	1/2	4,357.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,588.30	3/4	3,781.85	3/4	3,975.39	3/4	4,168.77	3/4	4,361.30	3/4		3/4		3/4		3/4		3/4	
2	3,592.34	2	3,785.88	2	3,979.43	2	4,172.79	2	4,365.27	2		2		2		2		2	
1/4	3,596.37	1/4	3,789.91	1/4	3,983.46	1/4	4,176.81	1/4	4,369.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,600.40	1/2	3,793.95	1/2	3,987.49	1/2	4,180.83	1/2	4,373.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,604.43	3/4	3,797.98	3/4	3,991.52	3/4	4,184.84	3/4	4,377.20	3/4		3/4		3/4		3/4		3/4	
3	3,608.46	3	3,802.01	3	3,995.56	3	4,188.86	3	4,381.17	3		3		3		3		3	
1/4	3,612.50	1/4	3,806.04	1/4	3,999.59	1/4	4,192.88	1/4	4,385.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,616.53	1/2	3,810.07	1/2	4,003.62	1/2	4,196.90	1/2	4,389.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,620.56	3/4	3,814.11	3/4	4,007.65	3/4	4,200.92	3/4	4,393.09	3/4		3/4		3/4		3/4		3/4	
4	3,624.59	4	3,818.14	4	4,011.68	4	4,204.93	4	4,397.07	4		4		4		4		4	
1/4	3,628.63	1/4	3,822.17	1/4	4,015.72	1/4	4,208.95	1/4	4,401.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,632.66	1/2	3,826.20	1/2	4,019.75	1/2	4,212.97	1/2	4,405.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,636.69	3/4	3,830.24	3/4	4,023.78	3/4	4,216.99	3/4	4,409.00	3/4		3/4		3/4		3/4		3/4	
5	3,640.72	5	3,834.27	5	4,027.81	5	4,221.00	5	4,412.98	5		5		5		5		5	
1/4	3,644.75	1/4	3,838.30	1/4	4,031.85	1/4	4,225.02	1/4	4,416.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,648.79	1/2	3,842.33	1/2	4,035.88	1/2	4,229.04	1/2	4,420.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,652.82	3/4	3,846.36	3/4	4,039.91	3/4	4,233.06	3/4	4,424.47	3/4		3/4		3/4		3/4		3/4	
6	3,656.85	6	3,850.40	6	4,043.94	6	4,237.07	6	4,428.31	6		6		6		6		6	
1/4	3,660.88	1/4	3,854.43	1/4	4,047.97	1/4	4,241.09	1/4	4,430.89	1/4		1/4		1/4		1/4		1/4	
1/2	3,664.92	1/2	3,858.46	1/2	4,052.01	1/2	4,245.11	1/2	4,433.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,668.95	3/4	3,862.49	3/4	4,056.04	3/4	4,249.13	3/4	4,436.06	3/4		3/4		3/4		3/4		3/4	
7	3,672.98	7	3,866.53	7	4,060.07	7	4,253.14	7	4,438.64	7		7		7		7		7	
1/4	3,677.01	1/4	3,870.56	1/4	4,064.10	1/4	4,257.16	1/4	4,439.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,681.04	1/2	3,874.59	1/2	4,068.14	1/2	4,261.18	1/2	4,441.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,685.08	3/4	3,878.62	3/4	4,072.17	3/4	4,265.20	3/4	4,442.64	3/4		3/4		3/4		3/4		3/4	
8	3,689.11	8	3,882.65	8	4,076.20	8	4,269.21	8	4,443.97	8		8		8		8		8	
1/4	3,693.14	1/4	3,886.69	1/4	4,080.23	1/4	4,273.23	1/4	4,444.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,697.17	1/2	3,890.72	1/2	4,084.26	1/2	4,277.25	1/2	4,444.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,701.20	3/4	3,894.75	3/4	4,088.30	3/4	4,281.27	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,705.24	9	3,898.78	9	4,092.33	9	4,285.28	9		9		9		9		9		9	
1/4	3,709.27	1/4	3,902.81	1/4	4,096.36	1/4	4,289.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,713.30	1/2	3,906.85	1/2	4,100.39	1/2	4,293.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,717.33	3/4	3,910.88	3/4	4,104.42	3/4	4,297.34	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,721.37	10	3,914.91	10	4,108.46	10	4,301.36	10		10		10		10		10		10	
1/4	3,725.40	1/4	3,918.94	1/4	4,112.49	1/4	4,305.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.43	1/2	3,922.98	1/2	4,116.52	1/2	4,309.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,733.46	3/4	3,927.01	3/4	4,120.55	3/4	4,313.41	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,737.49	11	3,931.04	11	4,124.58	11	4,317.43	11		11		11		11		11		11	
1/4	3,741.53	1/4	3,935.07	1/4	4,128.60	1/4	4,321.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,745.56	1/2	3,939.10	1/2	4,132.62	1/2	4,325.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,749.59	3/4	3,943.14	3/4	4,136.63	3/4	4,329.46	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 CL - SW
CALCULATED: 04/14/2011 CL
PRINTED: 04/14/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HBC 302"

3 STBD 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	24.91	0	363.55	0	722.36	0	1,069.81	0	1,425.04	0	1,784.71	0	2,144.34	0	2,503.56	0	2,861.77	0	3,220.24
1/4	29.43	1/4	371.04	1/4	729.64	1/4	1,077.06	1/4	1,432.53	1/4	1,792.20	1/4	2,151.83	1/4	2,511.04	1/4	2,869.22	1/4	3,227.73
1/2	33.94	1/2	378.54	1/2	736.91	1/2	1,084.32	1/2	1,440.03	1/2	1,799.69	1/2	2,159.32	1/2	2,518.52	1/2	2,876.66	1/2	3,235.22
3/4	38.45	3/4	386.03	3/4	744.19	3/4	1,091.57	3/4	1,447.52	3/4	1,807.19	3/4	2,166.81	3/4	2,525.99	3/4	2,884.10	3/4	3,242.71
1	42.97	1	393.53	1	751.47	1	1,098.82	1	1,455.01	1	1,814.68	1	2,174.30	1	2,533.47	1	2,891.54	1	3,250.20
1/4	48.74	1/4	401.02	1/4	758.72	1/4	1,106.07	1/4	1,462.51	1/4	1,822.17	1/4	2,181.79	1/4	2,540.94	1/4	2,899.00	1/4	3,257.69
1/2	54.52	1/2	408.52	1/2	765.97	1/2	1,113.32	1/2	1,470.00	1/2	1,829.67	1/2	2,189.28	1/2	2,548.42	1/2	2,906.45	1/2	3,265.18
3/4	60.30	3/4	416.01	3/4	773.22	3/4	1,120.57	3/4	1,477.49	3/4	1,837.16	3/4	2,196.77	3/4	2,555.89	3/4	2,913.91	3/4	3,272.67
2	66.07	2	423.51	2	780.48	2	1,127.82	2	1,484.98	2	1,844.65	2	2,204.26	2	2,563.37	2	2,921.36	2	3,280.16
1/4	73.03	1/4	431.00	1/4	787.73	1/4	1,135.07	1/4	1,492.48	1/4	1,852.15	1/4	2,211.75	1/4	2,570.84	1/4	2,928.82	1/4	3,287.65
1/2	79.98	1/2	438.50	1/2	794.98	1/2	1,142.33	1/2	1,499.97	1/2	1,859.64	1/2	2,219.24	1/2	2,578.32	1/2	2,936.27	1/2	3,295.14
3/4	86.93	3/4	445.99	3/4	802.23	3/4	1,149.58	3/4	1,507.46	3/4	1,867.13	3/4	2,226.73	3/4	2,585.79	3/4	2,943.72	3/4	3,302.63
3	93.88	3	453.49	3	809.48	3	1,156.83	3	1,514.96	3	1,874.63	3	2,234.22	3	2,593.27	3	2,951.18	3	3,310.12
1/4	101.35	1/4	460.99	1/4	816.73	1/4	1,164.12	1/4	1,522.45	1/4	1,882.12	1/4	2,241.71	1/4	2,600.74	1/4	2,958.63	1/4	3,317.62
1/2	108.81	1/2	468.48	1/2	823.98	1/2	1,171.41	1/2	1,529.94	1/2	1,889.61	1/2	2,249.20	1/2	2,608.22	1/2	2,966.08	1/2	3,325.11
3/4	116.27	3/4	475.98	3/4	831.23	3/4	1,178.69	3/4	1,537.44	3/4	1,897.10	3/4	2,256.69	3/4	2,615.69	3/4	2,973.53	3/4	3,332.60
4	123.74	4	483.47	4	838.48	4	1,185.98	4	1,544.93	4	1,904.60	4	2,264.18	4	2,623.17	4	2,980.99	4	3,340.09
1/4	131.22	1/4	490.97	1/4	845.71	1/4	1,193.44	1/4	1,552.42	1/4	1,912.09	1/4	2,271.67	1/4	2,630.64	1/4	2,988.44	1/4	3,347.58
1/2	138.71	1/2	498.46	1/2	852.95	1/2	1,200.91	1/2	1,559.92	1/2	1,919.58	1/2	2,279.16	1/2	2,638.12	1/2	2,995.89	1/2	3,355.07
3/4	146.20	3/4	505.96	3/4	860.18	3/4	1,208.37	3/4	1,567.41	3/4	1,927.08	3/4	2,286.65	3/4	2,645.59	3/4	3,003.34	3/4	3,362.56
5	153.69	5	513.45	5	867.41	5	1,215.83	5	1,574.90	5	1,934.57	5	2,294.14	5	2,653.07	5	3,010.79	5	3,370.05
1/4	161.18	1/4	520.95	1/4	874.64	1/4	1,223.29	1/4	1,582.39	1/4	1,942.06	1/4	2,301.63	1/4	2,660.54	1/4	3,018.25	1/4	3,377.54
1/2	168.67	1/2	528.44	1/2	881.86	1/2	1,230.76	1/2	1,589.89	1/2	1,949.56	1/2	2,309.12	1/2	2,668.01	1/2	3,025.70	1/2	3,385.03
3/4	176.17	3/4	535.94	3/4	889.08	3/4	1,238.22	3/4	1,597.38	3/4	1,957.05	3/4	2,316.61	3/4	2,675.49	3/4	3,033.15	3/4	3,392.52
6	183.66	6	543.43	6	896.31	6	1,245.68	6	1,604.87	6	1,964.54	6	2,324.10	6	2,682.96	6	3,040.60	6	3,400.01
1/4	191.16	1/4	550.93	1/4	903.53	1/4	1,253.14	1/4	1,612.37	1/4	1,972.04	1/4	2,331.59	1/4	2,690.44	1/4	3,048.06	1/4	3,407.50
1/2	198.65	1/2	558.42	1/2	910.76	1/2	1,260.61	1/2	1,619.86	1/2	1,979.53	1/2	2,339.08	1/2	2,697.91	1/2	3,055.52	1/2	3,414.99
3/4	206.15	3/4	565.92	3/4	917.98	3/4	1,268.07	3/4	1,627.35	3/4	1,987.02	3/4	2,346.57	3/4	2,705.39	3/4	3,062.97	3/4	3,422.48
7	213.64	7	573.41	7	925.20	7	1,275.53	7	1,634.85	7	1,994.52	7	2,354.05	7	2,712.86	7	3,070.43	7	3,429.97
1/4	221.14	1/4	580.91	1/4	932.43	1/4	1,282.99	1/4	1,642.34	1/4	2,002.01	1/4	2,361.53	1/4	2,720.33	1/4	3,077.92	1/4	3,437.46
1/2	228.63	1/2	588.40	1/2	939.65	1/2	1,290.46	1/2	1,649.83	1/2	2,009.50	1/2	2,369.01	1/2	2,727.80	1/2	3,085.41	1/2	3,444.95
3/4	236.13	3/4	595.90	3/4	946.88	3/4	1,297.92	3/4	1,657.33	3/4	2,016.99	3/4	2,376.48	3/4	2,735.27	3/4	3,092.90	3/4	3,452.44
8	243.62	8	603.39	8	954.10	8	1,305.38	8	1,664.82	8	2,024.49	8	2,383.96	8	2,742.74	8	3,100.39	8	3,459.93
1/4	251.12	1/4	610.89	1/4	961.32	1/4	1,312.84	1/4	1,672.31	1/4	2,031.98	1/4	2,391.43	1/4	2,750.18	1/4	3,107.88	1/4	3,466.99
1/2	258.61	1/2	618.38	1/2	968.55	1/2	1,320.31	1/2	1,679.80	1/2	2,039.47	1/2	2,398.91	1/2	2,757.62	1/2	3,115.37	1/2	3,474.05
3/4	266.11	3/4	625.88	3/4	975.77	3/4	1,327.77	3/4	1,687.30	3/4	2,046.97	3/4	2,406.38	3/4	2,765.05	3/4	3,122.86	3/4	3,481.11
9	273.61	9	633.37	9	983.00	9	1,335.23	9	1,694.79	9	2,054.46	9	2,413.86	9	2,772.49	9	3,130.35	9	3,488.17
1/4	281.10	1/4	640.87	1/4	990.22	1/4	1,342.70	1/4	1,702.28	1/4	2,061.95	1/4	2,421.33	1/4	2,779.93	1/4	3,137.84	1/4	3,492.20
1/2	288.60	1/2	648.37	1/2	997.44	1/2	1,350.16	1/2	1,709.78	1/2	2,069.44	1/2	2,428.81	1/2	2,787.37	1/2	3,145.33	1/2	3,496.23
3/4	296.09	3/4	655.86	3/4	1,004.67	3/4	1,357.63	3/4	1,717.27	3/4	2,076.93	3/4	2,436.29	3/4	2,794.81	3/4	3,152.82	3/4	3,500.26
10	303.59	10	663.36	10	1,011.89	10	1,365.09	10	1,724.76	10	2,084.42	10	2,443.76	10	2,802.25	10	3,160.31	10	3,504.30
1/4	311.08	1/4	670.82	1/4	1,019.12	1/4	1,372.59	1/4	1,732.26	1/4	2,091.91	1/4	2,451.24	1/4	2,809.69	1/4	3,167.81	1/4	3,508.33
1/2	318.58	1/2	678.29	1/2	1,026.35	1/2	1,380.08	1/2	1,739.75	1/2	2,099.40	1/2	2,458.71	1/2	2,817.13	1/2	3,175.30	1/2	3,512.36
3/4	326.07	3/4	685.76	3/4	1,033.57	3/4	1,387.57	3/4	1,747.24	3/4	2,106.89	3/4	2,466.19	3/4	2,824.57	3/4	3,182.79	3/4	3,516.39
11	333.57	11	693.23	11	1,040.80	11	1,395.07	11	1,754.74	11	2,114.38	11	2,473.66	11	2,832.01	11	3,190.28	11	3,520.43
1/4	341.06	1/4	700.51	1/4	1,048.05	1/4	1,402.56	1/4	1,762.23	1/4	2,121.87	1/4	2,481.14	1/4	2,839.45	1/4	3,197.77	1/4	3,524.46
1/2	348.56	1/2	707.79	1/2	1,055.31	1/2	1,410.05	1/2	1,769.72	1/2	2,129.36	1/2	2,488.61	1/2	2,846.89	1/2	3,205.26	1/2	3,528.49
3/4	356.05	3/4	715.07	3/4	1,062.56	3/4	1,417.55	3/4	1,777.22	3/4	2,136.85	3/4	2,496.09	3/4	2,854.33	3/4	3,212.75	3/4	3,532.52

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 55'-03" 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 302"

3 STBD 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	3,536.55	0	3,730.10	0	3,923.65	0	4,117.13	0	4,309.95	0		0		0		0		0		0	
1/4	3,540.59	1/4	3,734.13	1/4	3,927.68	1/4	4,121.15	1/4	4,313.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,544.62	1/2	3,738.16	1/2	3,931.71	1/2	4,125.16	1/2	4,317.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,548.65	3/4	3,742.20	3/4	3,935.74	3/4	4,129.18	3/4	4,321.88	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,552.68	1	3,746.23	1	3,939.77	1	4,133.20	1	4,325.85	1		1		1		1		1		1	
1/4	3,556.72	1/4	3,750.26	1/4	3,943.81	1/4	4,137.22	1/4	4,329.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,560.75	1/2	3,754.29	1/2	3,947.84	1/2	4,141.23	1/2	4,333.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,564.78	3/4	3,758.33	3/4	3,951.87	3/4	4,145.25	3/4	4,337.78	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,568.81	2	3,762.36	2	3,955.90	2	4,149.27	2	4,341.75	2		2		2		2		2		2	
1/4	3,572.84	1/4	3,766.39	1/4	3,959.94	1/4	4,153.29	1/4	4,345.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,576.88	1/2	3,770.42	1/2	3,963.97	1/2	4,157.30	1/2	4,349.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,580.91	3/4	3,774.45	3/4	3,968.00	3/4	4,161.32	3/4	4,353.67	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,584.94	3	3,778.49	3	3,972.03	3	4,165.34	3	4,357.65	3		3		3		3		3		3	
1/4	3,588.97	1/4	3,782.52	1/4	3,976.06	1/4	4,169.36	1/4	4,361.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,593.01	1/2	3,786.55	1/2	3,980.10	1/2	4,173.37	1/2	4,365.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,597.04	3/4	3,790.58	3/4	3,984.13	3/4	4,177.39	3/4	4,369.57	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,601.07	4	3,794.62	4	3,988.16	4	4,181.41	4	4,373.55	4		4		4		4		4		4	
1/4	3,605.10	1/4	3,798.65	1/4	3,992.19	1/4	4,185.43	1/4	4,377.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,609.13	1/2	3,802.68	1/2	3,996.23	1/2	4,189.44	1/2	4,381.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,613.17	3/4	3,806.71	3/4	4,000.26	3/4	4,193.46	3/4	4,385.48	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,617.20	5	3,810.74	5	4,004.29	5	4,197.48	5	4,389.45	5		5		5		5		5		5	
1/4	3,621.23	1/4	3,814.78	1/4	4,008.32	1/4	4,201.50	1/4	4,393.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,625.26	1/2	3,818.81	1/2	4,012.35	1/2	4,205.52	1/2	4,397.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,629.29	3/4	3,822.84	3/4	4,016.39	3/4	4,209.53	3/4	4,400.95	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,633.33	6	3,826.87	6	4,020.42	6	4,213.55	6	4,404.78	6		6		6		6		6		6	
1/4	3,637.36	1/4	3,830.90	1/4	4,024.45	1/4	4,217.57	1/4	4,407.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,641.39	1/2	3,834.94	1/2	4,028.48	1/2	4,221.59	1/2	4,409.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,645.42	3/4	3,838.97	3/4	4,032.51	3/4	4,225.60	3/4	4,412.54	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,649.46	7	3,843.00	7	4,036.55	7	4,229.62	7	4,415.12	7		7		7		7		7		7	
1/4	3,653.49	1/4	3,847.03	1/4	4,040.58	1/4	4,233.64	1/4	4,416.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,657.52	1/2	3,851.07	1/2	4,044.61	1/2	4,237.66	1/2	4,417.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,661.55	3/4	3,855.10	3/4	4,048.64	3/4	4,241.67	3/4	4,419.11	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,665.58	8	3,859.13	8	4,052.68	8	4,245.69	8	4,420.45	8		8		8		8		8		8	
1/4	3,669.62	1/4	3,863.16	1/4	4,056.71	1/4	4,249.71	1/4	4,420.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,673.65	1/2	3,867.19	1/2	4,060.74	1/2	4,253.73	1/2	4,420.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,677.68	3/4	3,871.23	3/4	4,064.77	3/4	4,257.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,681.71	9	3,875.26	9	4,068.80	9	4,261.76	9		9		9		9		9		9		9	
1/4	3,685.75	1/4	3,879.29	1/4	4,072.84	1/4	4,265.78	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,689.78	1/2	3,883.32	1/2	4,076.87	1/2	4,269.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,693.81	3/4	3,887.36	3/4	4,080.90	3/4	4,273.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,697.84	10	3,891.39	10	4,084.93	10	4,277.83	10		10		10		10		10		10		10	
1/4	3,701.87	1/4	3,895.42	1/4	4,088.96	1/4	4,281.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,705.91	1/2	3,899.45	1/2	4,093.00	1/2	4,285.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,709.94	3/4	3,903.48	3/4	4,097.03	3/4	4,289.88	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,713.97	11	3,907.52	11	4,101.06	11	4,293.90	11		11		11		11		11		11		11	
1/4	3,718.00	1/4	3,911.55	1/4	4,105.08	1/4	4,297.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,722.04	1/2	3,915.58	1/2	4,109.09	1/2	4,301.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,726.07	3/4	3,919.61	3/4	4,113.11	3/4	4,305.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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