



# BARGE "HBC 302"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
3 PORT	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-1/2	- 03-1/2
3 STBD	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-1/2	- 03-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 253'-03"

April 14, 2011

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HBC 302"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	5,309.88	0	4,975.88	0	4,614.37	0	4,251.74	0	3,889.10	0	3,526.46	0	3,163.83	0	2,801.05	0	2,438.10	
1/4	1/4	5,306.34	1/4	4,968.35	1/4	4,606.82	1/4	4,244.18	1/4	3,881.55	1/4	3,518.91	1/4	3,156.27	1/4	2,793.49	1/4	2,430.54	
1/2	1/2	5,302.80	1/2	4,960.83	1/2	4,599.26	1/2	4,236.63	1/2	3,873.99	1/2	3,511.36	1/2	3,148.72	1/2	2,785.92	1/2	2,422.98	
3/4	3/4	5,298.00	3/4	4,953.30	3/4	4,591.71	3/4	4,229.07	3/4	3,866.44	3/4	3,503.80	3/4	3,141.16	3/4	2,778.36	3/4	2,415.42	
1	1	5,293.21	1	4,945.78	1	4,584.15	1	4,221.52	1	3,858.88	1	3,496.25	1	3,133.61	1	2,770.80	1	2,407.86	
1/4	1/4	5,288.41	1/4	4,938.25	1/4	4,576.60	1/4	4,213.96	1/4	3,851.33	1/4	3,488.69	1/4	3,126.06	1/4	2,763.24	1/4	2,400.30	
1/2	1/2	5,283.61	1/2	4,930.72	1/2	4,569.04	1/2	4,206.41	1/2	3,843.77	1/2	3,481.14	1/2	3,118.50	1/2	2,755.68	1/2	2,392.74	
3/4	3/4	5,277.55	3/4	4,923.20	3/4	4,561.49	3/4	4,198.85	3/4	3,836.22	3/4	3,473.58	3/4	3,110.95	3/4	2,748.12	3/4	2,385.17	
2	2	5,271.49	2	4,915.67	2	4,553.93	2	4,191.30	2	3,828.66	2	3,466.03	2	3,103.39	2	2,740.56	2	2,377.61	
1/4	1/4	5,265.43	1/4	4,908.15	1/4	4,546.38	1/4	4,183.74	1/4	3,821.11	1/4	3,458.47	1/4	3,095.84	1/4	2,732.99	1/4	2,370.05	
1/2	1/2	5,259.37	1/2	4,900.62	1/2	4,538.82	1/2	4,176.19	1/2	3,813.55	1/2	3,450.92	1/2	3,088.28	1/2	2,725.43	1/2	2,362.49	
3/4	3/4	5,252.05	3/4	4,893.10	3/4	4,531.27	3/4	4,168.63	3/4	3,806.00	3/4	3,443.36	3/4	3,080.73	3/4	2,717.87	3/4	2,354.93	
3	3	5,244.74	3	4,885.57	3	4,523.71	3	4,161.08	3	3,798.44	3	3,435.81	3	3,073.17	3	2,710.31	3	2,347.37	
1/4	1/4	5,237.42	1/4	4,878.04	1/4	4,516.16	1/4	4,153.52	1/4	3,790.89	1/4	3,428.25	1/4	3,065.62	1/4	2,702.75	1/4	2,339.81	
1/2	1/2	5,230.10	1/2	4,870.52	1/2	4,508.60	1/2	4,145.97	1/2	3,783.33	1/2	3,420.70	1/2	3,058.06	1/2	2,695.19	1/2	2,332.25	
3/4	3/4	5,222.65	3/4	4,862.99	3/4	4,501.05	3/4	4,138.41	3/4	3,775.78	3/4	3,413.14	3/4	3,050.51	3/4	2,687.63	3/4	2,324.68	
4	4	5,215.21	4	4,855.47	4	4,493.49	4	4,130.86	4	3,768.22	4	3,405.59	4	3,042.95	4	2,680.07	4	2,317.12	
1/4	1/4	5,207.76	1/4	4,847.94	1/4	4,485.94	1/4	4,123.30	1/4	3,760.67	1/4	3,398.03	1/4	3,035.40	1/4	2,672.50	1/4	2,309.56	
1/2	1/2	5,200.31	1/2	4,840.42	1/2	4,478.38	1/2	4,115.75	1/2	3,753.11	1/2	3,390.48	1/2	3,027.84	1/2	2,664.94	1/2	2,302.00	
3/4	3/4	5,192.87	3/4	4,832.89	3/4	4,470.83	3/4	4,108.19	3/4	3,745.56	3/4	3,382.92	3/4	3,020.29	3/4	2,657.38	3/4	2,294.44	
5	5	5,185.42	5	4,825.36	5	4,463.27	5	4,100.64	5	3,738.00	5	3,375.37	5	3,012.73	5	2,649.82	5	2,286.88	
1/4	1/4	5,177.98	1/4	4,817.84	1/4	4,455.72	1/4	4,093.08	1/4	3,730.45	1/4	3,367.81	1/4	3,005.18	1/4	2,642.26	1/4	2,279.32	
1/2	1/2	5,170.53	1/2	4,810.31	1/2	4,448.16	1/2	4,085.53	1/2	3,722.89	1/2	3,360.26	1/2	2,997.62	1/2	2,634.70	1/2	2,271.76	
3/4	3/4	5,163.09	3/4	4,802.79	3/4	4,440.61	3/4	4,077.97	3/4	3,715.34	3/4	3,352.70	3/4	2,990.06	3/4	2,627.14	3/4	2,264.19	
6	6	5,155.64	6	4,795.26	6	4,433.05	6	4,070.42	6	3,707.78	6	3,345.15	6	2,982.50	6	2,619.58	6	2,256.63	
1/4	1/4	5,148.20	1/4	4,787.74	1/4	4,425.50	1/4	4,062.86	1/4	3,700.23	1/4	3,337.59	1/4	2,974.94	1/4	2,612.01	1/4	2,249.07	
1/2	1/2	5,140.75	1/2	4,780.21	1/2	4,417.94	1/2	4,055.31	1/2	3,692.67	1/2	3,330.04	1/2	2,967.38	1/2	2,604.45	1/2	2,241.51	
3/4	3/4	5,133.31	3/4	4,772.68	3/4	4,410.39	3/4	4,047.75	3/4	3,685.12	3/4	3,322.48	3/4	2,959.82	3/4	2,596.89	3/4	2,233.95	
7	7	5,125.87	7	4,765.16	7	4,402.83	7	4,040.20	7	3,677.56	7	3,314.93	7	2,952.26	7	2,589.33	7	2,226.39	
1/4	1/4	5,118.42	1/4	4,757.63	1/4	4,395.28	1/4	4,032.64	1/4	3,670.01	1/4	3,307.37	1/4	2,944.70	1/4	2,581.77	1/4	2,218.83	
1/2	1/2	5,110.98	1/2	4,750.11	1/2	4,387.72	1/2	4,025.09	1/2	3,662.45	1/2	3,299.82	1/2	2,937.14	1/2	2,574.21	1/2	2,211.27	
3/4	3/4	5,103.53	3/4	4,742.58	3/4	4,380.17	3/4	4,017.53	3/4	3,654.90	3/4	3,292.26	3/4	2,929.58	3/4	2,566.65	3/4	2,203.70	
8	8	5,096.09	8	4,735.06	8	4,372.61	8	4,009.98	8	3,647.34	8	3,284.71	8	2,922.02	8	2,559.08	8	2,196.14	
1/4	1/4	5,088.64	1/4	4,727.53	1/4	4,365.06	1/4	4,002.42	1/4	3,639.79	1/4	3,277.15	1/4	2,914.46	1/4	2,551.52	1/4	2,188.58	
1/2	1/2	5,081.20	1/2	4,720.01	1/2	4,357.50	1/2	3,994.87	1/2	3,632.23	1/2	3,269.60	1/2	2,906.90	1/2	2,543.96	1/2	2,181.02	
3/4	3/4	5,073.68	3/4	4,712.48	3/4	4,349.95	3/4	3,987.31	3/4	3,624.68	3/4	3,262.04	3/4	2,899.34	3/4	2,536.40	3/4	2,173.46	
9	9	5,066.17	9	4,704.95	9	4,342.39	9	3,979.76	9	3,617.12	9	3,254.49	9	2,891.78	9	2,528.84	9	2,165.90	
1/4	1/4	5,058.65	1/4	4,697.43	1/4	4,334.84	1/4	3,972.20	1/4	3,609.57	1/4	3,246.93	1/4	2,884.22	1/4	2,521.28	1/4	2,158.34	
1/2	1/2	5,051.14	1/2	4,689.90	1/2	4,327.28	1/2	3,964.65	1/2	3,602.01	1/2	3,239.38	1/2	2,876.66	1/2	2,513.72	1/2	2,150.77	
3/4	3/4	5,043.61	3/4	4,682.35	3/4	4,319.73	3/4	3,957.09	3/4	3,594.46	3/4	3,231.82	3/4	2,869.10	3/4	2,506.16	3/4	2,143.21	
10	10	5,036.08	10	4,674.80	10	4,312.17	10	3,949.54	10	3,586.90	10	3,224.27	10	2,861.54	10	2,498.59	10	2,135.65	
1/4	1/4	5,028.56	1/4	4,667.25	1/4	4,304.62	1/4	3,941.98	1/4	3,579.35	1/4	3,216.71	1/4	2,853.98	1/4	2,491.03	1/4	2,128.09	
1/2	1/2	5,021.03	1/2	4,659.70	1/2	4,297.06	1/2	3,934.43	1/2	3,571.79	1/2	3,209.16	1/2	2,846.42	1/2	2,483.47	1/2	2,120.53	
3/4	3/4	5,013.51	3/4	4,652.14	3/4	4,289.51	3/4	3,926.87	3/4	3,564.24	3/4	3,201.60	3/4	2,838.85	3/4	2,475.91	3/4	2,112.97	
11	11	5,005.98	11	4,644.59	11	4,281.95	11	3,919.32	11	3,556.68	11	3,194.05	11	2,831.29	11	2,468.35	11	2,105.41	
1/4	1/4	4,998.46	1/4	4,637.04	1/4	4,274.40	1/4	3,911.76	1/4	3,549.13	1/4	3,186.49	1/4	2,823.73	1/4	2,460.79	1/4	2,097.85	
1/2	1/2	4,990.93	1/2	4,629.48	1/2	4,266.85	1/2	3,904.21	1/2	3,541.57	1/2	3,178.94	1/2	2,816.17	1/2	2,453.23	1/2	2,090.28	
3/4	3/4	4,983.40	3/4	4,621.93	3/4	4,259.29	3/4	3,896.65	3/4	3,534.02	3/4	3,171.38	3/4	2,808.61	3/4	2,445.67	3/4	2,082.72	

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 ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,075.16	0	1,712.22	0	1,349.28	0	986.62	0	623.86	0	260.93	0		0		0		0	
1/4	2,067.60	1/4	1,704.66	1/4	1,341.72	1/4	979.07	1/4	616.30	1/4	253.37	1/4		1/4		1/4		1/4	
1/2	2,060.04	1/2	1,697.10	1/2	1,334.15	1/2	971.52	1/2	608.74	1/2	245.80	1/2		1/2		1/2		1/2	
3/4	2,052.48	3/4	1,689.54	3/4	1,326.59	3/4	963.97	3/4	601.18	3/4	238.24	3/4		3/4		3/4		3/4	
1	2,044.92	1	1,681.97	1	1,319.03	1	956.42	1	593.62	1	230.68	1		1		1		1	
1/4	2,037.36	1/4	1,674.41	1/4	1,311.47	1/4	948.87	1/4	586.05	1/4	223.12	1/4		1/4		1/4		1/4	
1/2	2,029.79	1/2	1,666.85	1/2	1,303.91	1/2	941.32	1/2	578.49	1/2	215.56	1/2		1/2		1/2		1/2	
3/4	2,022.23	3/4	1,659.29	3/4	1,296.35	3/4	933.77	3/4	570.93	3/4	208.00	3/4		3/4		3/4		3/4	
2	2,014.67	2	1,651.73	2	1,288.79	2	926.22	2	563.37	2	200.44	2		2		2		2	
1/4	2,007.11	1/4	1,644.17	1/4	1,281.23	1/4	918.67	1/4	555.81	1/4	192.88	1/4		1/4		1/4		1/4	
1/2	1,999.55	1/2	1,636.61	1/2	1,273.66	1/2	911.12	1/2	548.25	1/2	185.32	1/2		1/2		1/2		1/2	
3/4	1,991.99	3/4	1,629.04	3/4	1,266.10	3/4	903.57	3/4	540.69	3/4	177.76	3/4		3/4		3/4		3/4	
3	1,984.43	3	1,621.48	3	1,258.54	3	896.02	3	533.13	3	170.19	3		3		3		3	
1/4	1,976.86	1/4	1,613.92	1/4	1,250.98	1/4	888.47	1/4	525.57	1/4	162.63	1/4		1/4		1/4		1/4	
1/2	1,969.30	1/2	1,606.36	1/2	1,243.42	1/2	880.92	1/2	518.00	1/2	155.07	1/2		1/2		1/2		1/2	
3/4	1,961.74	3/4	1,598.80	3/4	1,235.86	3/4	873.37	3/4	510.44	3/4	147.52	3/4		3/4		3/4		3/4	
4	1,954.18	4	1,591.24	4	1,228.30	4	865.81	4	502.88	4	139.97	4		4		4		4	
1/4	1,946.62	1/4	1,583.68	1/4	1,220.73	1/4	858.25	1/4	495.32	1/4	132.41	1/4		1/4		1/4		1/4	
1/2	1,939.06	1/2	1,576.12	1/2	1,213.17	1/2	850.69	1/2	487.76	1/2	124.86	1/2		1/2		1/2		1/2	
3/4	1,931.50	3/4	1,568.55	3/4	1,205.61	3/4	843.13	3/4	480.20	3/4	117.33	3/4		3/4		3/4		3/4	
5	1,923.94	5	1,560.99	5	1,198.05	5	835.57	5	472.64	5	109.80	5		5		5		5	
1/4	1,916.37	1/4	1,553.43	1/4	1,190.49	1/4	828.01	1/4	465.08	1/4	102.27	1/4		1/4		1/4		1/4	
1/2	1,908.81	1/2	1,545.87	1/2	1,182.93	1/2	820.45	1/2	457.52	1/2	94.74	1/2		1/2		1/2		1/2	
3/4	1,901.25	3/4	1,538.31	3/4	1,175.38	3/4	812.89	3/4	449.95	3/4	87.74	3/4		3/4		3/4		3/4	
6	1,893.69	6	1,530.75	6	1,167.83	6	805.33	6	442.39	6	80.74	6		6		6		6	
1/4	1,886.13	1/4	1,523.19	1/4	1,160.28	1/4	797.76	1/4	434.83	1/4	73.73	1/4		1/4		1/4		1/4	
1/2	1,878.57	1/2	1,515.63	1/2	1,152.72	1/2	790.20	1/2	427.27	1/2	66.73	1/2		1/2		1/2		1/2	
3/4	1,871.01	3/4	1,508.06	3/4	1,145.17	3/4	782.64	3/4	419.71	3/4	60.90	3/4		3/4		3/4		3/4	
7	1,863.45	7	1,500.50	7	1,137.62	7	775.08	7	412.15	7	55.07	7		7		7		7	
1/4	1,855.88	1/4	1,492.94	1/4	1,130.07	1/4	767.52	1/4	404.59	1/4	49.24	1/4		1/4		1/4		1/4	
1/2	1,848.32	1/2	1,485.38	1/2	1,122.52	1/2	759.96	1/2	397.03	1/2	43.41	1/2		1/2		1/2		1/2	
3/4	1,840.76	3/4	1,477.82	3/4	1,114.97	3/4	752.40	3/4	389.47	3/4	38.85	3/4		3/4		3/4		3/4	
8	1,833.20	8	1,470.26	8	1,107.42	8	744.84	8	381.90	8	34.28	8		8		8		8	
1/4	1,825.64	1/4	1,462.70	1/4	1,099.87	1/4	737.28	1/4	374.34	1/4	29.71	1/4		1/4		1/4		1/4	
1/2	1,818.08	1/2	1,455.14	1/2	1,092.32	1/2	729.72	1/2	366.78	1/2	25.14	1/2		1/2		1/2		1/2	
3/4	1,810.52	3/4	1,447.57	3/4	1,084.77	3/4	722.15	3/4	359.22	3/4		3/4		3/4		3/4		3/4	
9	1,802.95	9	1,440.01	9	1,077.22	9	714.59	9	351.66	9		9		9		9		9	
1/4	1,795.39	1/4	1,432.45	1/4	1,069.67	1/4	707.03	1/4	344.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,787.83	1/2	1,424.89	1/2	1,062.12	1/2	699.47	1/2	336.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,780.27	3/4	1,417.33	3/4	1,054.57	3/4	691.91	3/4	328.98	3/4		3/4		3/4		3/4		3/4	
10	1,772.71	10	1,409.77	10	1,047.02	10	684.35	10	321.42	10		10		10		10		10	
1/4	1,765.15	1/4	1,402.21	1/4	1,039.47	1/4	676.79	1/4	313.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,757.59	1/2	1,394.64	1/2	1,031.92	1/2	669.23	1/2	306.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,750.03	3/4	1,387.08	3/4	1,024.37	3/4	661.67	3/4	298.73	3/4		3/4		3/4		3/4		3/4	
11	1,742.46	11	1,379.52	11	1,016.82	11	654.10	11	291.17	11		11		11		11		11	
1/4	1,734.90	1/4	1,371.96	1/4	1,009.27	1/4	646.54	1/4	283.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,727.34	1/2	1,364.40	1/2	1,001.72	1/2	638.98	1/2	276.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,719.78	3/4	1,356.84	3/4	994.17	3/4	631.42	3/4	268.49	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"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
			5,304.44		4,966.46		4,604.92		4,242.28		3,879.65		3,517.01		3,154.38		2,791.59		2,428.65		
1/4	1/4		5,300.90	1/4	4,958.93	1/4	4,597.36	1/4	4,234.73	1/4	3,872.09	1/4	3,509.46	1/4	3,146.82	1/4	2,784.03	1/4	2,421.08		
1/2	1/2		5,296.11	1/2	4,951.41	1/2	4,589.81	1/2	4,227.17	1/2	3,864.54	1/2	3,501.90	1/2	3,139.27	1/2	2,776.47	1/2	2,413.52		
3/4	3/4		5,291.31	3/4	4,943.88	3/4	4,582.25	3/4	4,219.62	3/4	3,856.98	3/4	3,494.35	3/4	3,131.71	3/4	2,768.90	3/4	2,405.96		
1	1		5,286.51	1	4,936.35	1	4,574.70	1	4,212.06	1	3,849.43	1	3,486.79	1	3,124.16	1	2,761.34	1	2,398.40		
1/4	1/4		5,281.71	1/4	4,928.83	1/4	4,567.14	1/4	4,204.51	1/4	3,841.87	1/4	3,479.24	1/4	3,116.60	1/4	2,753.78	1/4	2,390.84		
1/2	1/2		5,275.65	1/2	4,921.30	1/2	4,559.59	1/2	4,196.95	1/2	3,834.32	1/2	3,471.68	1/2	3,109.05	1/2	2,746.22	1/2	2,383.28		
3/4	3/4		5,269.59	3/4	4,913.78	3/4	4,552.03	3/4	4,189.40	3/4	3,826.76	3/4	3,464.13	3/4	3,101.49	3/4	2,738.66	3/4	2,375.72		
2	2		5,263.53	2	4,906.25	2	4,544.48	2	4,181.84	2	3,819.21	2	3,456.57	2	3,093.94	2	2,731.10	2	2,368.16		
1/4	1/4		5,257.47	1/4	4,898.73	1/4	4,536.92	1/4	4,174.29	1/4	3,811.65	1/4	3,449.02	1/4	3,086.38	1/4	2,723.54	1/4	2,360.59		
1/2	1/2		5,250.16	1/2	4,891.20	1/2	4,529.37	1/2	4,166.73	1/2	3,804.10	1/2	3,441.46	1/2	3,078.83	1/2	2,715.98	1/2	2,353.03		
3/4	3/4		5,242.84	3/4	4,883.67	3/4	4,521.81	3/4	4,159.18	3/4	3,796.54	3/4	3,433.91	3/4	3,071.27	3/4	2,708.41	3/4	2,345.47		
3	3		5,235.52	3	4,876.15	3	4,514.26	3	4,151.62	3	3,788.99	3	3,426.35	3	3,063.72	3	2,700.85	3	2,337.91		
1/4	1/4		5,228.21	1/4	4,868.62	1/4	4,506.71	1/4	4,144.07	1/4	3,781.43	1/4	3,418.80	1/4	3,056.16	1/4	2,693.29	1/4	2,330.35		
1/2	1/2		5,220.76	1/2	4,861.10	1/2	4,499.15	1/2	4,136.51	1/2	3,773.88	1/2	3,411.24	1/2	3,048.61	1/2	2,685.73	1/2	2,322.79		
3/4	3/4		5,213.31	3/4	4,853.57	3/4	4,491.60	3/4	4,128.96	3/4	3,766.32	3/4	3,403.69	3/4	3,041.05	3/4	2,678.17	3/4	2,315.23		
4	4		5,205.86	4	4,846.05	4	4,484.04	4	4,121.41	4	3,758.77	4	3,396.13	4	3,033.50	4	2,670.61	4	2,307.67		
1/4	1/4		5,198.41	1/4	4,838.52	1/4	4,476.49	1/4	4,113.85	1/4	3,751.22	1/4	3,388.58	1/4	3,025.94	1/4	2,663.05	1/4	2,300.10		
1/2	1/2		5,190.97	1/2	4,830.99	1/2	4,468.93	1/2	4,106.30	1/2	3,743.66	1/2	3,381.02	1/2	3,018.39	1/2	2,655.48	1/2	2,292.54		
3/4	3/4		5,183.52	3/4	4,823.47	3/4	4,461.38	3/4	4,098.74	3/4	3,736.11	3/4	3,373.47	3/4	3,010.83	3/4	2,647.92	3/4	2,284.98		
5	5		5,176.08	5	4,815.94	5	4,453.82	5	4,091.19	5	3,728.55	5	3,365.92	5	3,003.28	5	2,640.36	5	2,277.42		
1/4	1/4		5,168.64	1/4	4,808.42	1/4	4,446.27	1/4	4,083.63	1/4	3,721.00	1/4	3,358.36	1/4	2,995.73	1/4	2,632.80	1/4	2,269.86		
1/2	1/2		5,161.19	1/2	4,800.89	1/2	4,438.71	1/2	4,076.08	1/2	3,713.44	1/2	3,350.81	1/2	2,988.17	1/2	2,625.24	1/2	2,262.30		
3/4	3/4		5,153.75	3/4	4,793.37	3/4	4,431.16	3/4	4,068.52	3/4	3,705.89	3/4	3,343.25	3/4	2,980.61	3/4	2,617.68	3/4	2,254.74		
6	6		5,146.30	6	4,785.84	6	4,423.60	6	4,060.97	6	3,698.33	6	3,335.70	6	2,973.05	6	2,610.12	6	2,247.17		
1/4	1/4		5,138.86	1/4	4,778.31	1/4	4,416.05	1/4	4,053.41	1/4	3,690.78	1/4	3,328.14	1/4	2,965.49	1/4	2,602.56	1/4	2,239.61		
1/2	1/2		5,131.41	1/2	4,770.79	1/2	4,408.49	1/2	4,045.86	1/2	3,683.22	1/2	3,320.59	1/2	2,957.93	1/2	2,594.99	1/2	2,232.05		
3/4	3/4		5,123.97	3/4	4,763.26	3/4	4,400.94	3/4	4,038.30	3/4	3,675.67	3/4	3,313.03	3/4	2,950.37	3/4	2,587.43	3/4	2,224.49		
7	7		5,116.52	7	4,755.74	7	4,393.38	7	4,030.75	7	3,668.11	7	3,305.48	7	2,942.81	7	2,579.87	7	2,216.93		
1/4	1/4		5,109.08	1/4	4,748.21	1/4	4,385.83	1/4	4,023.19	1/4	3,660.56	1/4	3,297.92	1/4	2,935.24	1/4	2,572.31	1/4	2,209.37		
1/2	1/2		5,101.64	1/2	4,740.69	1/2	4,378.27	1/2	4,015.64	1/2	3,653.00	1/2	3,290.37	1/2	2,927.68	1/2	2,564.75	1/2	2,201.81		
3/4	3/4		5,094.19	3/4	4,733.16	3/4	4,370.72	3/4	4,008.08	3/4	3,645.45	3/4	3,282.81	3/4	2,920.12	3/4	2,557.19	3/4	2,194.25		
8	8		5,086.75	8	4,725.63	8	4,363.16	8	4,000.53	8	3,637.89	8	3,275.26	8	2,912.56	8	2,549.63	8	2,186.68		
1/4	1/4		5,079.30	1/4	4,718.11	1/4	4,355.61	1/4	3,992.97	1/4	3,630.34	1/4	3,267.70	1/4	2,905.00	1/4	2,542.07	1/4	2,179.12		
1/2	1/2		5,071.79	1/2	4,710.58	1/2	4,348.05	1/2	3,985.42	1/2	3,622.78	1/2	3,260.15	1/2	2,897.44	1/2	2,534.50	1/2	2,171.56		
3/4	3/4		5,064.27	3/4	4,703.06	3/4	4,340.50	3/4	3,977.86	3/4	3,615.23	3/4	3,252.59	3/4	2,889.88	3/4	2,526.94	3/4	2,164.00		
9	9		5,056.75	9	4,695.53	9	4,332.94	9	3,970.31	9	3,607.67	9	3,245.04	9	2,882.32	9	2,519.38	9	2,156.44		
1/4	1/4		5,049.24	1/4	4,688.01	1/4	4,325.39	1/4	3,962.75	1/4	3,600.12	1/4	3,237.48	1/4	2,874.76	1/4	2,511.82	1/4	2,148.88		
1/2	1/2		5,041.71	1/2	4,680.45	1/2	4,317.83	1/2	3,955.20	1/2	3,592.56	1/2	3,229.93	1/2	2,867.20	1/2	2,504.26	1/2	2,141.32		
3/4	3/4		5,034.19	3/4	4,672.90	3/4	4,310.28	3/4	3,947.64	3/4	3,585.01	3/4	3,222.37	3/4	2,859.64	3/4	2,496.70	3/4	2,133.76		
10	10		5,026.66	10	4,665.35	10	4,302.72	10	3,940.09	10	3,577.45	10	3,214.82	10	2,852.08	10	2,489.14	10	2,126.19		
1/4	1/4		5,019.14	1/4	4,657.80	1/4	4,295.17	1/4	3,932.53	1/4	3,569.90	1/4	3,207.26	1/4	2,844.52	1/4	2,481.58	1/4	2,118.63		
1/2	1/2		5,011.61	1/2	4,650.25	1/2	4,287.61	1/2	3,924.98	1/2	3,562.34	1/2	3,199.71	1/2	2,836.96	1/2	2,474.01	1/2	2,111.07		
3/4	3/4		5,004.08	3/4	4,642.69	3/4	4,280.06	3/4	3,917.42	3/4	3,554.79	3/4	3,192.15	3/4	2,829.40	3/4	2,466.45	3/4	2,103.51		
11	11		4,996.56	11	4,635.14	11	4,272.50	11	3,909.87	11	3,547.23	11	3,184.60	11	2,821.84	11	2,458.89	11	2,095.95		
1/4	1/4		4,989.03	1/4	4,627.58	1/4	4,264.95	1/4	3,902.31	1/4	3,539.68	1/4	3,177.04	1/4	2,814.28	1/4	2,451.33	1/4	2,088.39		
1/2	1/2		4,981.51	1/2	4,620.03	1/2	4,257.39	1/2	3,894.76	1/2	3,532.12	1/2	3,169.49	1/2	2,806.71	1/2	2,443.77	1/2	2,080.83		
3/4	3/4		5,307.98	3/4	4,973.98	3/4	4,612.47	3/4	4,249.84	3/4	3,887.20	3/4	3,524.57	3/4	3,161.93	3/4	2,799.15	3/4	2,436.21	3/4	2,073.26

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 ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,065.70	0	1,702.76	0	1,339.82	0	978.22	0	616.30	0	253.37	0		0		0		0	
1/4	2,058.14	1/4	1,695.20	1/4	1,332.26	1/4	970.71	1/4	608.74	1/4	245.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,050.58	1/2	1,687.64	1/2	1,324.70	1/2	963.20	1/2	601.18	1/2	238.24	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,043.02	3/4	1,680.08	3/4	1,317.13	3/4	955.69	3/4	593.62	3/4	230.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,035.46	1	1,672.52	1	1,309.57	1	948.18	1	586.05	1	223.12	1	1	1	1	1	1	1	1
1/4	2,027.90	1/4	1,664.95	1/4	1,302.01	1/4	940.67	1/4	578.49	1/4	215.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,020.34	1/2	1,657.39	1/2	1,294.45	1/2	933.16	1/2	570.93	1/2	208.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,012.77	3/4	1,649.83	3/4	1,286.89	3/4	925.65	3/4	563.37	3/4	200.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,005.21	2	1,642.27	2	1,279.33	2	918.14	2	555.81	2	192.88	2	2	2	2	2	2	2	2
1/4	1,997.65	1/4	1,634.71	1/4	1,271.77	1/4	910.63	1/4	548.25	1/4	185.32	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,990.09	1/2	1,627.15	1/2	1,264.21	1/2	903.12	1/2	540.69	1/2	177.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,982.53	3/4	1,619.59	3/4	1,256.64	3/4	895.61	3/4	533.13	3/4	170.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,974.97	3	1,612.03	3	1,249.08	3	888.10	3	525.57	3	162.63	3	3	3	3	3	3	3	3
1/4	1,967.41	1/4	1,604.46	1/4	1,241.52	1/4	880.59	1/4	518.00	1/4	155.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,959.85	1/2	1,596.90	1/2	1,233.96	1/2	873.07	1/2	510.44	1/2	147.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,952.28	3/4	1,589.34	3/4	1,226.40	3/4	865.55	3/4	502.88	3/4	139.97	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,944.72	4	1,581.78	4	1,218.84	4	858.03	4	495.32	4	132.41	4	4	4	4	4	4	4	4
1/4	1,937.16	1/4	1,574.22	1/4	1,211.28	1/4	850.51	1/4	487.76	1/4	124.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,929.60	1/2	1,566.66	1/2	1,203.72	1/2	842.99	1/2	480.20	1/2	117.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,922.04	3/4	1,559.10	3/4	1,196.15	3/4	835.46	3/4	472.64	3/4	109.80	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,914.48	5	1,551.54	5	1,188.59	5	827.94	5	465.08	5	102.27	5	5	5	5	5	5	5	5
1/4	1,906.92	1/4	1,543.97	1/4	1,181.03	1/4	820.42	1/4	457.52	1/4	94.74	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,899.35	1/2	1,536.41	1/2	1,173.51	1/2	812.87	1/2	449.95	1/2	87.74	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,891.79	3/4	1,528.85	3/4	1,166.00	3/4	805.31	3/4	442.39	3/4	80.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,884.23	6	1,521.29	6	1,158.48	6	797.76	6	434.83	6	73.73	6	6	6	6	6	6	6	6
1/4	1,876.67	1/4	1,513.73	1/4	1,150.96	1/4	790.20	1/4	427.27	1/4	66.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,869.11	1/2	1,506.17	1/2	1,143.45	1/2	782.64	1/2	419.71	1/2	60.90	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,861.55	3/4	1,498.61	3/4	1,135.94	3/4	775.08	3/4	412.15	3/4	55.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,853.99	7	1,491.04	7	1,128.43	7	767.52	7	404.59	7	49.24	7	7	7	7	7	7	7	7
1/4	1,846.43	1/4	1,483.48	1/4	1,120.92	1/4	759.96	1/4	397.03	1/4	43.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,838.86	1/2	1,475.92	1/2	1,113.41	1/2	752.40	1/2	389.47	1/2	38.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,831.30	3/4	1,468.36	3/4	1,105.90	3/4	744.84	3/4	381.90	3/4	34.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,823.74	8	1,460.80	8	1,098.39	8	737.28	8	374.34	8	29.71	8	8	8	8	8	8	8	8
1/4	1,816.18	1/4	1,453.24	1/4	1,090.88	1/4	729.72	1/4	366.78	1/4	25.14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,808.62	1/2	1,445.68	1/2	1,083.37	1/2	722.15	1/2	359.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,801.06	3/4	1,438.12	3/4	1,075.86	3/4	714.59	3/4	351.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,793.50	9	1,430.55	9	1,068.35	9	707.03	9	344.10	9		9	9	9	9	9	9	9	9
1/4	1,785.94	1/4	1,422.99	1/4	1,060.84	1/4	699.47	1/4	336.54	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,778.37	1/2	1,415.43	1/2	1,053.33	1/2	691.91	1/2	328.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,770.81	3/4	1,407.87	3/4	1,045.82	3/4	684.35	3/4	321.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,763.25	10	1,400.31	10	1,038.31	10	676.79	10	313.85	10		10	10	10	10	10	10	10	10
1/4	1,755.69	1/4	1,392.75	1/4	1,030.80	1/4	669.23	1/4	306.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,748.13	1/2	1,385.19	1/2	1,023.29	1/2	661.67	1/2	298.73	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,740.57	3/4	1,377.63	3/4	1,015.78	3/4	654.10	3/4	291.17	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,733.01	11	1,370.06	11	1,008.27	11	646.54	11	283.61	11		11	11	11	11	11	11	11	11
1/4	1,725.45	1/4	1,362.50	1/4	1,000.75	1/4	638.98	1/4	276.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,717.88	1/2	1,354.94	1/2	993.24	1/2	631.42	1/2	268.49	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,710.32	3/4	1,347.38	3/4	985.73	3/4	623.86	3/4	260.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 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 ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 15'-08"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,053.37	0	1,691.60	0	1,329.84	0	968.38	0	606.76	0	245.01	0		0		0		0	
1/4	2,045.83	1/4	1,684.06	1/4	1,322.30	1/4	960.85	1/4	599.22	1/4	237.47	1/4		1/4		1/4		1/4	
1/2	2,038.29	1/2	1,676.53	1/2	1,314.76	1/2	953.33	1/2	591.69	1/2	229.94	1/2		1/2		1/2		1/2	
3/4	2,030.76	3/4	1,668.99	3/4	1,307.22	3/4	945.80	3/4	584.15	3/4	222.40	3/4		3/4		3/4		3/4	
1	2,023.22	1	1,661.45	1	1,299.69	1	938.28	1	576.61	1	214.86	1		1		1		1	
1/4	2,015.68	1/4	1,653.92	1/4	1,292.15	1/4	930.75	1/4	569.08	1/4	207.33	1/4		1/4		1/4		1/4	
1/2	2,008.15	1/2	1,646.38	1/2	1,284.61	1/2	923.23	1/2	561.54	1/2	199.79	1/2		1/2		1/2		1/2	
3/4	2,000.61	3/4	1,638.84	3/4	1,277.08	3/4	915.70	3/4	554.00	3/4	192.25	3/4		3/4		3/4		3/4	
2	1,993.07	2	1,631.31	2	1,269.54	2	908.18	2	546.47	2	184.72	2		2		2		2	
1/4	1,985.54	1/4	1,623.77	1/4	1,262.00	1/4	900.65	1/4	538.93	1/4	177.18	1/4		1/4		1/4		1/4	
1/2	1,978.00	1/2	1,616.23	1/2	1,254.47	1/2	893.12	1/2	531.40	1/2	169.64	1/2		1/2		1/2		1/2	
3/4	1,970.46	3/4	1,608.70	3/4	1,246.93	3/4	885.60	3/4	523.86	3/4	162.11	3/4		3/4		3/4		3/4	
3	1,962.93	3	1,601.16	3	1,239.39	3	878.07	3	516.32	3	154.57	3		3		3		3	
1/4	1,955.39	1/4	1,593.62	1/4	1,231.86	1/4	870.54	1/4	508.79	1/4	147.04	1/4		1/4		1/4		1/4	
1/2	1,947.85	1/2	1,586.09	1/2	1,224.32	1/2	863.00	1/2	501.25	1/2	139.51	1/2		1/2		1/2		1/2	
3/4	1,940.32	3/4	1,578.55	3/4	1,216.78	3/4	855.46	3/4	493.71	3/4	131.99	3/4		3/4		3/4		3/4	
4	1,932.78	4	1,571.01	4	1,209.25	4	847.93	4	486.18	4	124.46	4		4		4		4	
1/4	1,925.24	1/4	1,563.48	1/4	1,201.71	1/4	840.39	1/4	478.64	1/4	116.95	1/4		1/4		1/4		1/4	
1/2	1,917.71	1/2	1,555.94	1/2	1,194.17	1/2	832.86	1/2	471.10	1/2	109.45	1/2		1/2		1/2		1/2	
3/4	1,910.17	3/4	1,548.40	3/4	1,186.64	3/4	825.32	3/4	463.57	3/4	101.94	3/4		3/4		3/4		3/4	
5	1,902.63	5	1,540.87	5	1,179.10	5	817.78	5	456.03	5	94.44	5		5		5		5	
1/4	1,895.10	1/4	1,533.33	1/4	1,171.57	1/4	810.25	1/4	448.49	1/4	87.46	1/4		1/4		1/4		1/4	
1/2	1,887.56	1/2	1,525.79	1/2	1,164.05	1/2	802.71	1/2	440.96	1/2	80.48	1/2		1/2		1/2		1/2	
3/4	1,880.02	3/4	1,518.26	3/4	1,156.52	3/4	795.17	3/4	433.42	3/4	73.49	3/4		3/4		3/4		3/4	
6	1,872.48	6	1,510.72	6	1,148.99	6	787.64	6	425.88	6	66.51	6		6		6		6	
1/4	1,864.95	1/4	1,503.18	1/4	1,141.47	1/4	780.10	1/4	418.35	1/4	60.70	1/4		1/4		1/4		1/4	
1/2	1,857.41	1/2	1,495.64	1/2	1,133.94	1/2	772.56	1/2	410.81	1/2	54.89	1/2		1/2		1/2		1/2	
3/4	1,849.87	3/4	1,488.11	3/4	1,126.41	3/4	765.03	3/4	403.27	3/4	49.08	3/4		3/4		3/4		3/4	
7	1,842.34	7	1,480.57	7	1,118.89	7	757.49	7	395.74	7	43.27	7		7		7		7	
1/4	1,834.80	1/4	1,473.03	1/4	1,111.36	1/4	749.95	1/4	388.20	1/4	38.72	1/4		1/4		1/4		1/4	
1/2	1,827.26	1/2	1,465.50	1/2	1,103.84	1/2	742.42	1/2	380.67	1/2	34.17	1/2		1/2		1/2		1/2	
3/4	1,819.73	3/4	1,457.96	3/4	1,096.31	3/4	734.88	3/4	373.13	3/4	29.62	3/4		3/4		3/4		3/4	
8	1,812.19	8	1,450.42	8	1,088.79	8	727.34	8	365.59	8	25.06	8		8		8		8	
1/4	1,804.65	1/4	1,442.89	1/4	1,081.26	1/4	719.81	1/4	358.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,797.12	1/2	1,435.35	1/2	1,073.74	1/2	712.27	1/2	350.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,789.58	3/4	1,427.81	3/4	1,066.21	3/4	704.73	3/4	342.98	3/4		3/4		3/4		3/4		3/4	
9	1,782.04	9	1,420.28	9	1,058.69	9	697.20	9	335.45	9		9		9		9		9	
1/4	1,774.51	1/4	1,412.74	1/4	1,051.16	1/4	689.66	1/4	327.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,766.97	1/2	1,405.20	1/2	1,043.63	1/2	682.13	1/2	320.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,759.43	3/4	1,397.67	3/4	1,036.11	3/4	674.59	3/4	312.84	3/4		3/4		3/4		3/4		3/4	
10	1,751.90	10	1,390.13	10	1,028.58	10	667.05	10	305.30	10		10		10		10		10	
1/4	1,744.36	1/4	1,382.59	1/4	1,021.06	1/4	659.52	1/4	297.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,736.82	1/2	1,375.06	1/2	1,013.53	1/2	651.98	1/2	290.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,729.29	3/4	1,367.52	3/4	1,006.01	3/4	644.44	3/4	282.69	3/4		3/4		3/4		3/4		3/4	
11	1,721.75	11	1,359.98	11	998.48	11	636.91	11	275.15	11		11		11		11		11	
1/4	1,714.21	1/4	1,352.45	1/4	990.96	1/4	629.37	1/4	267.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,706.68	1/2	1,344.91	1/2	983.43	1/2	621.83	1/2	260.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,699.14	3/4	1,337.37	3/4	975.90	3/4	614.30	3/4	252.54	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 ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	0	5,273.23	0	4,936.32	0	4,575.92	0	4,214.42	0	3,852.91	0	3,491.41	0	3,129.91	0	2,768.25	0	2,406.48		
1/4	1/4	5,269.71	1/4	4,928.82	1/4	4,568.39	1/4	4,206.89	1/4	3,845.38	1/4	3,483.88	1/4	3,122.38	1/4	2,760.71	1/4	2,398.95		
1/2	1/2	5,264.92	1/2	4,921.32	1/2	4,560.86	1/2	4,199.35	1/2	3,837.85	1/2	3,476.35	1/2	3,114.85	1/2	2,753.18	1/2	2,391.41		
3/4	3/4	5,260.14	3/4	4,913.82	3/4	4,553.33	3/4	4,191.82	3/4	3,830.32	3/4	3,468.82	3/4	3,107.32	3/4	2,745.64	3/4	2,383.87		
1	1	5,255.36	1	4,906.31	1	4,545.79	1	4,184.29	1	3,822.79	1	3,461.29	1	3,099.78	1	2,737.10	1	2,376.34		
1/4	1/4	5,250.57	1/4	4,898.81	1/4	4,538.26	1/4	4,176.76	1/4	3,815.26	1/4	3,453.76	1/4	3,092.25	1/4	2,730.57	1/4	2,368.80		
1/2	1/2	5,244.54	1/2	4,891.31	1/2	4,530.73	1/2	4,169.23	1/2	3,807.73	1/2	3,446.22	1/2	3,084.72	1/2	2,723.03	1/2	2,361.26		
3/4	3/4	5,238.50	3/4	4,883.81	3/4	4,523.20	3/4	4,161.70	3/4	3,800.20	3/4	3,438.69	3/4	3,077.19	3/4	2,715.49	3/4	2,353.73		
2	2	5,232.46	2	4,876.30	2	4,515.67	2	4,154.17	2	3,792.66	2	3,431.16	2	3,069.66	2	2,707.96	2	2,346.19		
1/4	1/4	5,226.42	1/4	4,868.80	1/4	4,508.14	1/4	4,146.64	1/4	3,785.13	1/4	3,423.63	1/4	3,062.13	1/4	2,700.42	1/4	2,338.65		
1/2	1/2	5,219.13	1/2	4,861.30	1/2	4,500.61	1/2	4,139.10	1/2	3,777.60	1/2	3,416.10	1/2	3,054.60	1/2	2,692.88	1/2	2,331.12		
3/4	3/4	5,211.83	3/4	4,853.80	3/4	4,493.08	3/4	4,131.57	3/4	3,770.07	3/4	3,408.57	3/4	3,047.07	3/4	2,685.35	3/4	2,323.58		
3	3	5,204.54	3	4,846.30	3	4,485.54	3	4,124.04	3	3,762.54	3	3,401.04	3	3,039.53	3	2,677.81	3	2,316.04		
1/4	1/4	5,197.25	1/4	4,838.79	1/4	4,478.01	1/4	4,116.51	1/4	3,755.01	1/4	3,393.51	1/4	3,032.00	1/4	2,670.27	1/4	2,308.51		
1/2	1/2	5,189.82	1/2	4,831.29	1/2	4,470.48	1/2	4,108.98	1/2	3,747.48	1/2	3,385.97	1/2	3,024.47	1/2	2,662.74	1/2	2,300.97		
3/4	3/4	5,182.40	3/4	4,823.79	3/4	4,462.95	3/4	4,101.45	3/4	3,739.95	3/4	3,378.44	3/4	3,016.94	3/4	2,655.20	3/4	2,293.43		
4	4	5,174.97	4	4,816.29	4	4,455.42	4	4,093.92	4	3,732.41	4	3,370.91	4	3,009.41	4	2,647.66	4	2,285.90		
1/4	1/4	5,167.55	1/4	4,808.79	1/4	4,447.89	1/4	4,086.39	1/4	3,724.88	1/4	3,363.38	1/4	3,001.88	1/4	2,640.12	1/4	2,278.36		
1/2	1/2	5,160.13	1/2	4,801.28	1/2	4,440.36	1/2	4,078.85	1/2	3,717.35	1/2	3,355.85	1/2	2,994.35	1/2	2,632.59	1/2	2,270.82		
3/4	3/4	5,152.71	3/4	4,793.78	3/4	4,432.82	3/4	4,071.32	3/4	3,709.82	3/4	3,348.32	3/4	2,986.82	3/4	2,625.05	3/4	2,263.28		
5	5	5,145.29	5	4,786.28	5	4,425.29	5	4,063.79	5	3,702.29	5	3,340.79	5	2,979.28	5	2,617.51	5	2,255.75		
1/4	1/4	5,137.86	1/4	4,778.78	1/4	4,417.76	1/4	4,056.26	1/4	3,694.76	1/4	3,333.26	1/4	2,971.75	1/4	2,609.98	1/4	2,248.21		
1/2	1/2	5,130.44	1/2	4,771.28	1/2	4,410.23	1/2	4,048.73	1/2	3,687.23	1/2	3,325.72	1/2	2,964.21	1/2	2,602.44	1/2	2,240.67		
3/4	3/4	5,123.02	3/4	4,763.77	3/4	4,402.70	3/4	4,041.20	3/4	3,679.69	3/4	3,318.19	3/4	2,956.67	3/4	2,594.90	3/4	2,233.14		
6	6	5,115.60	6	4,756.27	6	4,395.17	6	4,033.67	6	3,672.16	6	3,310.66	6	2,949.14	6	2,587.37	6	2,225.60		
1/4	1/4	5,108.18	1/4	4,748.77	1/4	4,387.64	1/4	4,026.13	1/4	3,664.63	1/4	3,303.13	1/4	2,941.60	1/4	2,579.83	1/4	2,218.06		
1/2	1/2	5,100.76	1/2	4,741.27	1/2	4,380.11	1/2	4,018.60	1/2	3,657.10	1/2	3,295.60	1/2	2,934.06	1/2	2,572.29	1/2	2,210.53		
3/4	3/4	5,093.34	3/4	4,733.76	3/4	4,372.57	3/4	4,011.07	3/4	3,649.57	3/4	3,288.07	3/4	2,926.52	3/4	2,564.76	3/4	2,202.99		
7	7	5,085.92	7	4,726.26	7	4,365.04	7	4,003.54	7	3,642.04	7	3,280.54	7	2,918.99	7	2,557.22	7	2,195.45		
1/4	1/4	5,078.50	1/4	4,718.76	1/4	4,357.51	1/4	3,996.01	1/4	3,634.51	1/4	3,273.00	1/4	2,911.45	1/4	2,549.68	1/4	2,187.92		
1/2	1/2	5,071.08	1/2	4,711.26	1/2	4,349.98	1/2	3,988.48	1/2	3,626.98	1/2	3,265.47	1/2	2,903.91	1/2	2,542.15	1/2	2,180.38		
3/4	3/4	5,063.66	3/4	4,703.76	3/4	4,342.45	3/4	3,980.95	3/4	3,619.44	3/4	3,257.94	3/4	2,896.38	3/4	2,534.61	3/4	2,172.84		
8	8	5,056.23	8	4,696.25	8	4,334.92	8	3,973.42	8	3,611.91	8	3,250.41	8	2,888.84	8	2,527.07	8	2,165.31		
1/4	1/4	5,048.81	1/4	4,688.75	1/4	4,327.39	1/4	3,965.88	1/4	3,604.38	1/4	3,242.88	1/4	2,881.30	1/4	2,519.54	1/4	2,157.77		
1/2	1/2	5,041.32	1/2	4,681.25	1/2	4,319.86	1/2	3,958.35	1/2	3,596.85	1/2	3,235.35	1/2	2,873.77	1/2	2,512.00	1/2	2,150.23		
3/4	3/4	5,033.83	3/4	4,673.75	3/4	4,312.32	3/4	3,950.82	3/4	3,589.32	3/4	3,227.82	3/4	2,866.23	3/4	2,504.46	3/4	2,142.70		
9	9	5,026.34	9	4,666.25	9	4,304.79	9	3,943.29	9	3,581.79	9	3,220.29	9	2,858.69	9	2,496.93	9	2,135.16		
1/4	1/4	5,018.84	1/4	4,658.74	1/4	4,297.26	1/4	3,935.76	1/4	3,574.26	1/4	3,212.75	1/4	2,851.16	1/4	2,489.39	1/4	2,127.62		
1/2	1/2	5,011.34	1/2	4,651.22	1/2	4,289.73	1/2	3,928.23	1/2	3,566.73	1/2	3,205.22	1/2	2,843.62	1/2	2,481.85	1/2	2,120.09		
3/4	3/4	5,003.84	3/4	4,643.69	3/4	4,282.20	3/4	3,920.70	3/4	3,559.19	3/4	3,197.69	3/4	2,836.08	3/4	2,474.32	3/4	2,112.55		
10	10	4,996.34	10	4,636.16	10	4,274.67	10	3,913.17	10	3,551.66	10	3,190.16	10	2,828.54	10	2,466.78	10	2,105.01		
1/4	1/4	4,988.84	1/4	4,628.64	1/4	4,267.14	1/4	3,905.63	1/4	3,544.13	1/4	3,182.63	1/4	2,821.01	1/4	2,459.24	1/4	2,097.48		
1/2	1/2	4,981.33	1/2	4,621.11	1/2	4,259.60	1/2	3,898.10	1/2	3,536.60	1/2	3,175.10	1/2	2,813.47	1/2	2,451.70	1/2	2,089.94		
3/4	3/4	4,973.83	3/4	4,613.58	3/4	4,252.07	3/4	3,890.57	3/4	3,529.07	3/4	3,167.57	3/4	2,805.93	3/4	2,444.17	3/4	2,082.40		
11	11	4,966.33	11	4,606.04	11	4,244.54	11	3,883.04	11	3,521.54	11	3,160.04	11	2,798.40	11	2,436.63	11	2,074.86		
1/4	1/4	4,958.83	1/4	4,598.51	1/4	4,237.01	1/4	3,875.51	1/4	3,514.01	1/4	3,152.50	1/4	2,790.86	1/4	2,429.09	1/4	2,067.33		
1/2	1/2	4,951.33	1/2	4,590.98	1/2	4,229.48	1/2	3,867.98	1/2	3,506.47	1/2	3,144.97	1/2	2,783.32	1/2	2,421.56	1/2	2,059.79		
3/4	3/4	5,276.76	3/4	4,943.82	3/4	4,583.45	3/4	4,221.95	3/4	3,860.45	3/4	3,498.94	3/4	3,137.44	3/4	2,775.79	3/4	2,414.02	3/4	2,052.25

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 ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,044.72	0	1,682.95	0	1,321.18	0	966.98	0	614.30	0	252.54	0		0		0		0		0	
1/4	2,037.18	1/4	1,675.41	1/4	1,313.65	1/4	959.69	1/4	606.76	1/4	245.01	1/4		1/4		1/4		1/4		1/4	
1/2	2,029.64	1/2	1,667.88	1/2	1,306.11	1/2	952.40	1/2	599.22	1/2	237.47	1/2		1/2		1/2		1/2		1/2	
3/4	2,022.11	3/4	1,660.34	3/4	1,298.57	3/4	945.12	3/4	591.69	3/4	229.94	3/4		3/4		3/4		3/4		3/4	
1	2,014.57	1	1,652.80	1	1,291.04	1	937.83	1	584.15	1	222.40	1		1		1		1		1	
1/4	2,007.03	1/4	1,645.27	1/4	1,283.50	1/4	930.54	1/4	576.61	1/4	214.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,999.50	1/2	1,637.73	1/2	1,275.96	1/2	923.25	1/2	569.08	1/2	207.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,991.96	3/4	1,630.19	3/4	1,268.43	3/4	915.97	3/4	561.54	3/4	199.79	3/4		3/4		3/4		3/4		3/4	
2	1,984.42	2	1,622.66	2	1,260.89	2	908.68	2	554.00	2	192.25	2		2		2		2		2	
1/4	1,976.89	1/4	1,615.12	1/4	1,253.35	1/4	901.39	1/4	546.47	1/4	184.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,969.35	1/2	1,607.58	1/2	1,245.82	1/2	894.10	1/2	538.93	1/2	177.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,961.81	3/4	1,600.05	3/4	1,238.28	3/4	886.82	3/4	531.40	3/4	169.64	3/4		3/4		3/4		3/4		3/4	
3	1,954.28	3	1,592.51	3	1,230.74	3	879.53	3	523.86	3	162.11	3		3		3		3		3	
1/4	1,946.74	1/4	1,584.97	1/4	1,223.21	1/4	872.24	1/4	516.32	1/4	154.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,939.20	1/2	1,577.44	1/2	1,215.67	1/2	864.94	1/2	508.79	1/2	147.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,931.67	3/4	1,569.90	3/4	1,208.13	3/4	857.65	3/4	501.25	3/4	139.51	3/4		3/4		3/4		3/4		3/4	
4	1,924.13	4	1,562.36	4	1,200.60	4	850.35	4	493.71	4	131.99	4		4		4		4		4	
1/4	1,916.59	1/4	1,554.83	1/4	1,193.06	1/4	843.05	1/4	486.18	1/4	124.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,909.06	1/2	1,547.29	1/2	1,185.53	1/2	835.75	1/2	478.64	1/2	116.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,901.52	3/4	1,539.75	3/4	1,178.40	3/4	828.46	3/4	471.10	3/4	109.45	3/4		3/4		3/4		3/4		3/4	
5	1,893.98	5	1,532.22	5	1,171.07	5	821.16	5	463.57	5	101.94	5		5		5		5		5	
1/4	1,886.44	1/4	1,524.68	1/4	1,163.74	1/4	813.86	1/4	456.03	1/4	94.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,878.91	1/2	1,517.14	1/2	1,156.46	1/2	806.56	1/2	448.49	1/2	87.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,871.37	3/4	1,509.60	3/4	1,149.17	3/4	799.26	3/4	440.96	3/4	80.48	3/4		3/4		3/4		3/4		3/4	
6	1,863.83	6	1,502.07	6	1,141.88	6	791.96	6	433.42	6	73.49	6		6		6		6		6	
1/4	1,856.30	1/4	1,494.53	1/4	1,134.59	1/4	784.66	1/4	425.88	1/4	66.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,848.76	1/2	1,486.99	1/2	1,127.30	1/2	777.37	1/2	418.35	1/2	60.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,841.22	3/4	1,479.46	3/4	1,120.01	3/4	770.07	3/4	410.81	3/4	54.89	3/4		3/4		3/4		3/4		3/4	
7	1,833.69	7	1,471.92	7	1,112.73	7	762.77	7	403.27	7	49.08	7		7		7		7		7	
1/4	1,826.15	1/4	1,464.38	1/4	1,105.44	1/4	755.47	1/4	395.74	1/4	43.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,818.61	1/2	1,456.85	1/2	1,098.15	1/2	748.17	1/2	388.20	1/2	38.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,811.08	3/4	1,449.31	3/4	1,090.86	3/4	740.87	3/4	380.67	3/4	34.17	3/4		3/4		3/4		3/4		3/4	
8	1,803.54	8	1,441.77	8	1,083.58	8	733.58	8	373.13	8	29.62	8		8		8		8		8	
1/4	1,796.00	1/4	1,434.24	1/4	1,076.29	1/4	726.28	1/4	365.59	1/4	25.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,788.47	1/2	1,426.70	1/2	1,069.00	1/2	718.98	1/2	358.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,780.93	3/4	1,419.16	3/4	1,061.71	3/4	711.68	3/4	350.52	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,773.39	9	1,411.63	9	1,054.43	9	704.38	9	342.98	9		9		9		9		9		9	
1/4	1,765.86	1/4	1,404.09	1/4	1,047.14	1/4	697.08	1/4	335.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,758.32	1/2	1,396.55	1/2	1,039.85	1/2	689.58	1/2	327.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,750.78	3/4	1,389.02	3/4	1,032.56	3/4	682.07	3/4	320.37	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,743.25	10	1,381.48	10	1,025.28	10	674.56	10	312.84	10		10		10		10		10		10	
1/4	1,735.71	1/4	1,373.94	1/4	1,017.99	1/4	667.05	1/4	305.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,728.17	1/2	1,366.41	1/2	1,010.70	1/2	659.52	1/2	297.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,720.64	3/4	1,358.87	3/4	1,003.41	3/4	651.98	3/4	290.23	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,713.10	11	1,351.33	11	996.13	11	644.44	11	282.69	11		11		11		11		11		11	
1/4	1,705.56	1/4	1,343.80	1/4	988.84	1/4	636.91	1/4	275.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,698.02	1/2	1,336.26	1/2	981.55	1/2	629.37	1/2	267.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,690.49	3/4	1,328.72	3/4	974.26	3/4	621.83	3/4	260.08	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"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0	4,443.97	0	4,269.21	0	4,076.20	0	3,882.65	0	3,689.11	0	3,483.41	0	3,123.19	0	2,764.87	0	2,405.42		
1/4		1/4	4,442.64	1/4	4,265.20	1/4	4,072.17	1/4	3,878.62	1/4	3,685.08	1/4	3,475.90	1/4	3,115.69	1/4	2,757.39	1/4	2,397.93		
1/2		1/2	4,441.31	1/2	4,261.18	1/2	4,068.13	1/2	3,874.59	1/2	3,681.04	1/2	3,468.40	1/2	3,108.18	1/2	2,749.91	1/2	2,390.44		
3/4		3/4	4,439.98	3/4	4,257.16	3/4	4,064.10	3/4	3,870.56	3/4	3,677.01	3/4	3,460.90	3/4	3,100.68	3/4	2,742.42	3/4	2,382.95		
1		1	4,438.64	1	4,253.14	1	4,060.07	1	3,866.52	1	3,672.98	1	3,453.39	1	3,093.18	1	2,734.94	1	2,375.46		
1/4		1/4	4,436.06	1/4	4,249.13	1/4	4,056.04	1/4	3,862.49	1/4	3,668.95	1/4	3,445.89	1/4	3,085.70	1/4	2,727.45	1/4	2,367.96		
1/2		1/2	4,433.48	1/2	4,245.11	1/2	4,052.01	1/2	3,858.46	1/2	3,664.91	1/2	3,438.38	1/2	3,078.23	1/2	2,719.96	1/2	2,360.45		
3/4		3/4	4,430.89	3/4	4,241.09	3/4	4,047.97	3/4	3,854.43	3/4	3,660.88	3/4	3,430.88	3/4	3,070.76	3/4	2,712.47	3/4	2,352.95		
2		2	4,428.31	2	4,237.07	2	4,043.94	2	3,850.40	2	3,656.85	2	3,423.37	2	3,063.29	2	2,704.98	2	2,345.45		
1/4		1/4	4,424.47	1/4	4,233.06	1/4	4,039.91	1/4	3,846.36	1/4	3,652.82	1/4	3,415.87	1/4	3,055.83	1/4	2,697.49	1/4	2,337.94		
1/2		1/2	4,420.64	1/2	4,229.04	1/2	4,035.88	1/2	3,842.33	1/2	3,648.79	1/2	3,408.36	1/2	3,048.36	1/2	2,690.01	1/2	2,330.44		
3/4		3/4	4,416.81	3/4	4,225.02	3/4	4,031.85	3/4	3,838.30	3/4	3,644.75	3/4	3,400.86	3/4	3,040.89	3/4	2,682.52	3/4	2,322.94		
3		3	4,412.98	3	4,221.00	3	4,027.81	3	3,834.27	3	3,640.72	3	3,393.36	3	3,033.43	3	2,675.03	3	2,315.43		
1/4		1/4	4,409.00	1/4	4,216.99	1/4	4,023.78	1/4	3,830.24	1/4	3,636.69	1/4	3,385.85	1/4	3,025.96	1/4	2,667.54	1/4	2,307.93		
1/2		1/2	4,405.02	1/2	4,212.97	1/2	4,019.75	1/2	3,826.20	1/2	3,632.66	1/2	3,378.35	1/2	3,018.50	1/2	2,660.05	1/2	2,300.42		
3/4		3/4	4,401.05	3/4	4,208.95	3/4	4,015.72	3/4	3,822.17	3/4	3,628.63	3/4	3,370.84	3/4	3,011.03	3/4	2,652.56	3/4	2,292.92		
4		4	4,397.07	4	4,204.93	4	4,011.68	4	3,818.14	4	3,624.59	4	3,363.34	4	3,003.56	4	2,645.07	4	2,285.42		
1/4		1/4	4,393.09	1/4	4,200.91	1/4	4,007.65	1/4	3,814.11	1/4	3,620.56	1/4	3,355.83	1/4	2,996.10	1/4	2,637.59	1/4	2,277.91		
1/2		1/2	4,389.12	1/2	4,196.90	1/2	4,003.62	1/2	3,810.07	1/2	3,616.53	1/2	3,348.33	1/2	2,988.63	1/2	2,630.10	1/2	2,270.41		
3/4		3/4	4,385.15	3/4	4,192.88	3/4	3,999.59	3/4	3,806.04	3/4	3,612.50	3/4	3,340.82	3/4	2,981.17	3/4	2,622.61	3/4	2,262.90		
5		5	4,381.17	5	4,188.86	5	3,995.56	5	3,802.01	5	3,608.46	5	3,333.32	5	2,973.70	5	2,615.12	5	2,255.40		
1/4		1/4	4,377.20	1/4	4,184.84	1/4	3,991.52	1/4	3,797.98	1/4	3,604.43	1/4	3,325.81	1/4	2,966.23	1/4	2,607.63	1/4	2,247.90		
1/2		1/2	4,373.22	1/2	4,180.83	1/2	3,987.49	1/2	3,793.95	1/2	3,600.40	1/2	3,318.31	1/2	2,958.76	1/2	2,600.14	1/2	2,240.39		
3/4		3/4	4,369.25	3/4	4,176.81	3/4	3,983.46	3/4	3,789.91	3/4	3,596.37	3/4	3,310.81	3/4	2,951.30	3/4	2,592.65	3/4	2,232.89		
6		6	4,365.27	6	4,172.79	6	3,979.43	6	3,785.88	6	3,592.34	6	3,303.30	6	2,943.83	6	2,585.16	6	2,225.38		
1/4		1/4	4,361.30	1/4	4,168.77	1/4	3,975.39	1/4	3,781.85	1/4	3,588.30	1/4	3,295.80	1/4	2,936.36	1/4	2,577.67	1/4	2,217.88		
1/2		1/2	4,357.32	1/2	4,164.76	1/2	3,971.36	1/2	3,777.82	1/2	3,584.27	1/2	3,288.29	1/2	2,928.89	1/2	2,570.18	1/2	2,210.38		
3/4		3/4	4,353.35	3/4	4,160.74	3/4	3,967.33	3/4	3,773.78	3/4	3,580.24	3/4	3,280.79	3/4	2,921.42	3/4	2,562.69	3/4	2,202.87		
7		7	4,349.38	7	4,156.72	7	3,963.30	7	3,769.75	7	3,576.21	7	3,273.28	7	2,913.95	7	2,555.20	7	2,195.37		
1/4		1/4	4,345.40	1/4	4,152.70	1/4	3,959.27	1/4	3,765.72	1/4	3,572.17	1/4	3,265.78	1/4	2,906.50	1/4	2,547.71	1/4	2,187.86		
1/2		1/2	4,341.43	1/2	4,148.69	1/2	3,955.23	1/2	3,761.69	1/2	3,568.14	1/2	3,258.27	1/2	2,899.04	1/2	2,540.22	1/2	2,180.36		
3/4		3/4	4,337.45	3/4	4,144.67	3/4	3,951.20	3/4	3,757.66	3/4	3,564.11	3/4	3,250.77	3/4	2,891.58	3/4	2,532.74	3/4	2,172.86		
8		8	4,333.48	8	4,140.65	8	3,947.17	8	3,753.62	8	3,560.08	8	3,243.27	8	2,884.13	8	2,525.25	8	2,165.35		
1/4		1/4	4,329.46	1/4	4,136.63	1/4	3,943.14	1/4	3,749.59	1/4	3,556.05	1/4	3,235.76	1/4	2,876.67	1/4	2,517.76	1/4	2,157.85		
1/2		1/2	4,325.45	1/2	4,132.62	1/2	3,939.10	1/2	3,745.56	1/2	3,552.01	1/2	3,228.26	1/2	2,869.22	1/2	2,510.27	1/2	2,150.34		
3/4		3/4	4,321.44	3/4	4,128.60	3/4	3,935.07	3/4	3,741.53	3/4	3,547.98	3/4	3,220.75	3/4	2,861.77	3/4	2,502.78	3/4	2,142.84		
9		9	4,317.43	9	4,124.58	9	3,931.04	9	3,737.49	9	3,543.95	9	3,213.25	9	2,854.31	9	2,495.29	9	2,135.34		
1/4		1/4	4,313.41	1/4	4,120.55	1/4	3,927.01	1/4	3,733.46	1/4	3,539.92	1/4	3,205.74	1/4	2,846.86	1/4	2,487.80	1/4	2,127.83		
1/2		1/2	4,309.39	1/2	4,116.52	1/2	3,922.98	1/2	3,729.43	1/2	3,535.88	1/2	3,198.24	1/2	2,839.40	1/2	2,480.31	1/2	2,120.33		
3/4		3/4	4,305.37	3/4	4,112.49	3/4	3,918.94	3/4	3,725.40	3/4	3,531.85	3/4	3,190.73	3/4	2,831.95	3/4	2,472.82	3/4	2,112.82		
10		10	4,301.36	10	4,108.46	10	3,914.91	10	3,721.37	10	3,527.82	10	3,183.23	10	2,824.50	10	2,465.33	10	2,105.32		
1/4		1/4	4,297.34	1/4	4,104.42	1/4	3,910.88	1/4	3,717.33	1/4	3,523.79	1/4	3,175.72	1/4	2,817.04	1/4	2,457.84	1/4	2,097.82		
1/2		1/2	4,293.32	1/2	4,100.39	1/2	3,906.85	1/2	3,713.30	1/2	3,519.76	1/2	3,168.22	1/2	2,809.59	1/2	2,450.35	1/2	2,090.31		
3/4		3/4	4,289.30	3/4	4,096.36	3/4	3,902.81	3/4	3,709.27	3/4	3,515.72	3/4	3,160.72	3/4	2,802.13	3/4	2,442.86	3/4	2,082.81		
11		11	4,285.28	11	4,092.33	11	3,898.78	11	3,705.24	11	3,511.69	11	3,153.21	11	2,794.68	11	2,435.37	11	2,075.30		
1/4		1/4	4,281.27	1/4	4,088.30	1/4	3,894.75	1/4	3,701.20	1/4	3,504.62	1/4	3,145.71	1/4	2,787.23	1/4	2,427.88	1/4	2,067.80		
1/2		1/2	4,444.13	1/2	4,277.25	1/2	4,084.26	1/2	3,890.72	1/2	3,697.17	1/2	3,497.55	1/2	3,138.20	1/2	2,779.78	1/2	2,420.39	1/2	2,060.29
3/4		3/4	4,444.05	3/4	4,273.23	3/4	4,080.23	3/4	3,886.69	3/4	3,693.14	3/4	3,490.48	3/4	3,130.70	3/4	2,772.32	3/4	2,412.90	3/4	2,052.78

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HBC 302"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,045.27	0	1,684.93	0	1,324.59	0	964.56	0	604.37	0	244.05	0		0		0		0	
1/4	2,037.77	1/4	1,677.43	1/4	1,317.09	1/4	957.07	1/4	596.86	1/4	236.54	1/4		1/4		1/4		1/4	
1/2	2,030.26	1/2	1,669.92	1/2	1,309.58	1/2	949.57	1/2	589.36	1/2	229.03	1/2		1/2		1/2		1/2	
3/4	2,022.75	3/4	1,662.41	3/4	1,302.07	3/4	942.08	3/4	581.85	3/4	221.52	3/4		3/4		3/4		3/4	
1	2,015.25	1	1,654.90	1	1,294.56	1	934.58	1	574.34	1	214.02	1		1		1		1	
1/4	2,007.74	1/4	1,647.40	1/4	1,287.06	1/4	927.08	1/4	566.84	1/4	206.51	1/4		1/4		1/4		1/4	
1/2	2,000.23	1/2	1,639.89	1/2	1,279.55	1/2	919.59	1/2	559.33	1/2	199.00	1/2		1/2		1/2		1/2	
3/4	1,992.72	3/4	1,632.38	3/4	1,272.04	3/4	912.09	3/4	551.82	3/4	191.50	3/4		3/4		3/4		3/4	
2	1,985.22	2	1,624.88	2	1,264.54	2	904.60	2	544.32	2	183.99	2		2		2		2	
1/4	1,977.71	1/4	1,617.37	1/4	1,257.03	1/4	897.10	1/4	536.81	1/4	176.48	1/4		1/4		1/4		1/4	
1/2	1,970.20	1/2	1,609.86	1/2	1,249.52	1/2	889.60	1/2	529.30	1/2	168.98	1/2		1/2		1/2		1/2	
3/4	1,962.70	3/4	1,602.36	3/4	1,242.01	3/4	882.11	3/4	521.80	3/4	161.47	3/4		3/4		3/4		3/4	
3	1,955.19	3	1,594.85	3	1,234.51	3	874.61	3	514.29	3	153.96	3		3		3		3	
1/4	1,947.68	1/4	1,587.34	1/4	1,227.00	1/4	867.11	1/4	506.78	1/4	146.47	1/4		1/4		1/4		1/4	
1/2	1,940.17	1/2	1,579.83	1/2	1,219.49	1/2	859.60	1/2	499.28	1/2	138.97	1/2		1/2		1/2		1/2	
3/4	1,932.67	3/4	1,572.33	3/4	1,211.99	3/4	852.10	3/4	491.77	3/4	131.47	3/4		3/4		3/4		3/4	
4	1,925.16	4	1,564.82	4	1,204.48	4	844.59	4	484.26	4	123.97	4		4		4		4	
1/4	1,917.65	1/4	1,557.31	1/4	1,196.97	1/4	837.08	1/4	476.76	1/4	116.50	1/4		1/4		1/4		1/4	
1/2	1,910.15	1/2	1,549.81	1/2	1,189.46	1/2	829.58	1/2	469.25	1/2	109.02	1/2		1/2		1/2		1/2	
3/4	1,902.64	3/4	1,542.30	3/4	1,181.96	3/4	822.07	3/4	461.74	3/4	101.54	3/4		3/4		3/4		3/4	
5	1,895.13	5	1,534.79	5	1,174.45	5	814.56	5	454.24	5	94.07	5		5		5		5	
1/4	1,887.63	1/4	1,527.28	1/4	1,166.95	1/4	807.06	1/4	446.73	1/4	87.11	1/4		1/4		1/4		1/4	
1/2	1,880.12	1/2	1,519.78	1/2	1,159.46	1/2	799.55	1/2	439.22	1/2	80.16	1/2		1/2		1/2		1/2	
3/4	1,872.61	3/4	1,512.27	3/4	1,151.96	3/4	792.04	3/4	431.72	3/4	73.21	3/4		3/4		3/4		3/4	
6	1,865.10	6	1,504.76	6	1,144.46	6	784.53	6	424.21	6	66.25	6		6		6		6	
1/4	1,857.60	1/4	1,497.26	1/4	1,136.97	1/4	777.03	1/4	416.70	1/4	60.47	1/4		1/4		1/4		1/4	
1/2	1,850.09	1/2	1,489.75	1/2	1,129.47	1/2	769.52	1/2	409.19	1/2	54.68	1/2		1/2		1/2		1/2	
3/4	1,842.58	3/4	1,482.24	3/4	1,121.97	3/4	762.01	3/4	401.69	3/4	48.89	3/4		3/4		3/4		3/4	
7	1,835.08	7	1,474.73	7	1,114.48	7	754.51	7	394.18	7	43.11	7		7		7		7	
1/4	1,827.57	1/4	1,467.23	1/4	1,106.98	1/4	747.00	1/4	386.67	1/4	38.57	1/4		1/4		1/4		1/4	
1/2	1,820.06	1/2	1,459.72	1/2	1,099.49	1/2	739.49	1/2	379.17	1/2	34.04	1/2		1/2		1/2		1/2	
3/4	1,812.55	3/4	1,452.21	3/4	1,091.99	3/4	731.99	3/4	371.66	3/4	29.50	3/4		3/4		3/4		3/4	
8	1,805.05	8	1,444.71	8	1,084.50	8	724.48	8	364.15	8	24.97	8		8		8		8	
1/4	1,797.54	1/4	1,437.20	1/4	1,077.00	1/4	716.97	1/4	356.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,790.03	1/2	1,429.69	1/2	1,069.50	1/2	709.47	1/2	349.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,782.53	3/4	1,422.18	3/4	1,062.01	3/4	701.96	3/4	341.63	3/4		3/4		3/4		3/4		3/4	
9	1,775.02	9	1,414.68	9	1,054.51	9	694.45	9	334.13	9		9		9		9		9	
1/4	1,767.51	1/4	1,407.17	1/4	1,047.02	1/4	686.95	1/4	326.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,760.00	1/2	1,399.66	1/2	1,039.52	1/2	679.44	1/2	319.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,752.50	3/4	1,392.16	3/4	1,032.03	3/4	671.93	3/4	311.61	3/4		3/4		3/4		3/4		3/4	
10	1,744.99	10	1,384.65	10	1,024.53	10	664.43	10	304.10	10		10		10		10		10	
1/4	1,737.48	1/4	1,377.14	1/4	1,017.03	1/4	656.92	1/4	296.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,729.98	1/2	1,369.64	1/2	1,009.54	1/2	649.41	1/2	289.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,722.47	3/4	1,362.13	3/4	1,002.04	3/4	641.91	3/4	281.58	3/4		3/4		3/4		3/4		3/4	
11	1,714.96	11	1,354.62	11	994.55	11	634.40	11	274.07	11		11		11		11		11	
1/4	1,707.45	1/4	1,347.11	1/4	987.05	1/4	626.89	1/4	266.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,699.95	1/2	1,339.61	1/2	979.55	1/2	619.39	1/2	259.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,692.44	3/4	1,332.10	3/4	972.06	3/4	611.88	3/4	251.55	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.  
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# BARGE "HBC 302"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	4,420.61	0	4,253.73	0	4,060.74	0	3,867.19	0	3,673.65	0	3,474.05	0	3,115.37	0	2,757.62	0	2,398.91
1/4		1/4	4,420.53	1/4	4,249.71	1/4	4,056.71	1/4	3,863.16	1/4	3,669.62	1/4	3,466.99	1/4	3,107.88	1/4	2,750.18	1/4	2,391.43
1/2		1/2	4,420.45	1/2	4,245.69	1/2	4,052.68	1/2	3,859.13	1/2	3,665.58	1/2	3,459.93	1/2	3,100.39	1/2	2,742.74	1/2	2,383.96
3/4		3/4	4,419.11	3/4	4,241.67	3/4	4,048.64	3/4	3,855.10	3/4	3,661.55	3/4	3,452.44	3/4	3,092.90	3/4	2,735.27	3/4	2,376.48
1		1	4,417.78	1	4,237.66	1	4,044.61	1	3,851.07	1	3,657.52	1	3,444.95	1	3,085.41	1	2,727.80	1	2,369.01
1/4		1/4	4,416.45	1/4	4,233.64	1/4	4,040.58	1/4	3,847.03	1/4	3,653.49	1/4	3,437.46	1/4	3,077.92	1/4	2,720.33	1/4	2,361.53
1/2		1/2	4,415.12	1/2	4,229.62	1/2	4,036.55	1/2	3,843.00	1/2	3,649.46	1/2	3,429.97	1/2	3,070.43	1/2	2,712.86	1/2	2,354.05
3/4		3/4	4,412.54	3/4	4,225.60	3/4	4,032.51	3/4	3,838.97	3/4	3,645.42	3/4	3,422.48	3/4	3,062.97	3/4	2,705.39	3/4	2,346.57
2		2	4,409.95	2	4,221.59	2	4,028.48	2	3,834.94	2	3,641.39	2	3,414.99	2	3,055.52	2	2,697.91	2	2,339.08
1/4		1/4	4,407.37	1/4	4,217.57	1/4	4,024.45	1/4	3,830.90	1/4	3,637.36	1/4	3,407.50	1/4	3,048.06	1/4	2,690.44	1/4	2,331.59
1/2		1/2	4,404.78	1/2	4,213.55	1/2	4,020.42	1/2	3,826.87	1/2	3,633.33	1/2	3,400.01	1/2	3,040.60	1/2	2,682.96	1/2	2,324.10
3/4		3/4	4,400.95	3/4	4,209.53	3/4	4,016.39	3/4	3,822.84	3/4	3,629.29	3/4	3,392.52	3/4	3,033.15	3/4	2,675.49	3/4	2,316.61
3		3	4,397.12	3	4,205.52	3	4,012.35	3	3,818.81	3	3,625.26	3	3,385.03	3	3,025.70	3	2,668.01	3	2,309.12
1/4		1/4	4,393.28	1/4	4,201.50	1/4	4,008.32	1/4	3,814.78	1/4	3,621.23	1/4	3,377.54	1/4	3,018.25	1/4	2,660.54	1/4	2,301.63
1/2		1/2	4,389.45	1/2	4,197.48	1/2	4,004.29	1/2	3,810.74	1/2	3,617.20	1/2	3,370.05	1/2	3,010.79	1/2	2,653.07	1/2	2,294.14
3/4		3/4	4,385.48	3/4	4,193.46	3/4	4,000.26	3/4	3,806.71	3/4	3,613.17	3/4	3,362.56	3/4	3,003.34	3/4	2,645.59	3/4	2,286.65
4		4	4,381.50	4	4,189.44	4	3,996.23	4	3,802.68	4	3,609.13	4	3,355.07	4	2,995.89	4	2,638.12	4	2,279.16
1/4		1/4	4,377.52	1/4	4,185.43	1/4	3,992.19	1/4	3,798.65	1/4	3,605.10	1/4	3,347.58	1/4	2,988.44	1/4	2,630.64	1/4	2,271.67
1/2		1/2	4,373.55	1/2	4,181.41	1/2	3,988.16	1/2	3,794.62	1/2	3,601.07	1/2	3,340.09	1/2	2,980.99	1/2	2,623.17	1/2	2,264.18
3/4		3/4	4,369.57	3/4	4,177.39	3/4	3,984.13	3/4	3,790.58	3/4	3,597.04	3/4	3,332.60	3/4	2,973.53	3/4	2,615.69	3/4	2,256.69
5		5	4,365.60	5	4,173.37	5	3,980.10	5	3,786.55	5	3,593.01	5	3,325.11	5	2,966.08	5	2,608.22	5	2,249.20
1/4		1/4	4,361.62	1/4	4,169.36	1/4	3,976.06	1/4	3,782.52	1/4	3,588.97	1/4	3,317.62	1/4	2,958.63	1/4	2,600.74	1/4	2,241.71
1/2		1/2	4,357.65	1/2	4,165.34	1/2	3,972.03	1/2	3,778.49	1/2	3,584.94	1/2	3,310.12	1/2	2,951.18	1/2	2,593.27	1/2	2,234.22
3/4		3/4	4,353.67	3/4	4,161.32	3/4	3,968.00	3/4	3,774.45	3/4	3,580.91	3/4	3,302.63	3/4	2,943.72	3/4	2,585.79	3/4	2,226.73
6		6	4,349.70	6	4,157.30	6	3,963.97	6	3,770.42	6	3,576.88	6	3,295.14	6	2,936.27	6	2,578.32	6	2,219.24
1/4		1/4	4,345.72	1/4	4,153.29	1/4	3,959.94	1/4	3,766.39	1/4	3,572.84	1/4	3,287.65	1/4	2,928.82	1/4	2,570.84	1/4	2,211.75
1/2		1/2	4,341.75	1/2	4,149.27	1/2	3,955.90	1/2	3,762.36	1/2	3,568.81	1/2	3,280.16	1/2	2,921.36	1/2	2,563.37	1/2	2,204.26
3/4		3/4	4,337.78	3/4	4,145.25	3/4	3,951.87	3/4	3,758.33	3/4	3,564.78	3/4	3,272.67	3/4	2,913.91	3/4	2,555.89	3/4	2,196.77
7		7	4,333.80	7	4,141.23	7	3,947.84	7	3,754.29	7	3,560.75	7	3,265.18	7	2,906.45	7	2,548.42	7	2,189.28
1/4		1/4	4,329.83	1/4	4,137.22	1/4	3,943.81	1/4	3,750.26	1/4	3,556.72	1/4	3,257.69	1/4	2,899.00	1/4	2,540.94	1/4	2,181.79
1/2		1/2	4,325.85	1/2	4,133.20	1/2	3,939.77	1/2	3,746.23	1/2	3,552.68	1/2	3,250.20	1/2	2,891.54	1/2	2,533.47	1/2	2,174.30
3/4		3/4	4,321.88	3/4	4,129.18	3/4	3,935.74	3/4	3,742.20	3/4	3,548.65	3/4	3,242.71	3/4	2,884.10	3/4	2,525.99	3/4	2,166.81
8		8	4,317.90	8	4,125.16	8	3,931.71	8	3,738.16	8	3,544.62	8	3,235.22	8	2,876.66	8	2,518.52	8	2,159.32
1/4		1/4	4,313.93	1/4	4,121.15	1/4	3,927.68	1/4	3,734.13	1/4	3,540.59	1/4	3,227.73	1/4	2,869.22	1/4	2,511.04	1/4	2,151.83
1/2		1/2	4,309.95	1/2	4,117.13	1/2	3,923.65	1/2	3,730.10	1/2	3,536.55	1/2	3,220.24	1/2	2,861.77	1/2	2,503.56	1/2	2,144.34
3/4		3/4	4,305.94	3/4	4,113.11	3/4	3,919.61	3/4	3,726.07	3/4	3,532.52	3/4	3,212.75	3/4	2,854.33	3/4	2,496.09	3/4	2,136.85
9		9	4,301.93	9	4,109.09	9	3,915.58	9	3,722.04	9	3,528.49	9	3,205.26	9	2,846.89	9	2,488.61	9	2,129.36
1/4		1/4	4,297.92	1/4	4,105.08	1/4	3,911.55	1/4	3,718.00	1/4	3,524.46	1/4	3,197.77	1/4	2,839.45	1/4	2,481.14	1/4	2,121.87
1/2		1/2	4,293.90	1/2	4,101.06	1/2	3,907.52	1/2	3,713.97	1/2	3,520.43	1/2	3,190.28	1/2	2,832.01	1/2	2,473.66	1/2	2,114.38
3/4		3/4	4,289.88	3/4	4,097.03	3/4	3,903.48	3/4	3,709.94	3/4	3,516.39	3/4	3,182.79	3/4	2,824.57	3/4	2,466.19	3/4	2,106.89
10		10	4,285.87	10	4,093.00	10	3,899.45	10	3,705.91	10	3,512.36	10	3,175.30	10	2,817.13	10	2,458.71	10	2,099.40
1/4		1/4	4,281.85	1/4	4,088.96	1/4	3,895.42	1/4	3,701.87	1/4	3,508.33	1/4	3,167.81	1/4	2,809.69	1/4	2,451.24	1/4	2,091.91
1/2		1/2	4,277.83	1/2	4,084.93	1/2	3,891.39	1/2	3,697.84	1/2	3,504.30	1/2	3,160.31	1/2	2,802.25	1/2	2,443.76	1/2	2,084.42
3/4		3/4	4,273.81	3/4	4,080.90	3/4	3,887.36	3/4	3,693.81	3/4	3,500.26	3/4	3,152.82	3/4	2,794.81	3/4	2,436.29	3/4	2,076.93
11		11	4,269.80	11	4,076.87	11	3,883.32	11	3,689.78	11	3,496.23	11	3,145.33	11	2,787.37	11	2,428.81	11	2,069.44
1/4		1/4	4,265.78	1/4	4,072.84	1/4	3,879.29	1/4	3,685.75	1/4	3,492.20	1/4	3,137.84	1/4	2,779.93	1/4	2,421.33	1/4	2,061.95
1/2		1/2	4,261.76	1/2	4,068.80	1/2	3,875.26	1/2	3,681.71	1/2	3,488.17	1/2	3,130.35	1/2	2,772.49	1/2	2,413.86	1/2	2,054.46
3/4		3/4	4,257.74	3/4	4,064.77	3/4	3,871.23	3/4	3,677.68	3/4	3,481.11	3/4	3,122.86	3/4	2,765.05	3/4	2,406.38	3/4	2,046.97

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 ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,039.47	0	1,679.80	0	1,320.31	0	968.55	0	618.38	0	258.61	0		0		0		0	
1/4	2,031.98	1/4	1,672.31	1/4	1,312.84	1/4	961.32	1/4	610.89	1/4	251.12	1/4		1/4		1/4		1/4	
1/2	2,024.49	1/2	1,664.82	1/2	1,305.38	1/2	954.10	1/2	603.39	1/2	243.62	1/2		1/2		1/2		1/2	
3/4	2,016.99	3/4	1,657.33	3/4	1,297.92	3/4	946.88	3/4	595.90	3/4	236.13	3/4		3/4		3/4		3/4	
1	2,009.50	1	1,649.83	1	1,290.46	1	939.65	1	588.40	1	228.63	1		1		1		1	
1/4	2,002.01	1/4	1,642.34	1/4	1,282.99	1/4	932.43	1/4	580.91	1/4	221.14	1/4		1/4		1/4		1/4	
1/2	1,994.52	1/2	1,634.85	1/2	1,275.53	1/2	925.20	1/2	573.41	1/2	213.64	1/2		1/2		1/2		1/2	
3/4	1,987.02	3/4	1,627.35	3/4	1,268.07	3/4	917.98	3/4	565.92	3/4	206.15	3/4		3/4		3/4		3/4	
2	1,979.53	2	1,619.86	2	1,260.61	2	910.76	2	558.42	2	198.65	2		2		2		2	
1/4	1,972.04	1/4	1,612.37	1/4	1,253.14	1/4	903.53	1/4	550.93	1/4	191.16	1/4		1/4		1/4		1/4	
1/2	1,964.54	1/2	1,604.87	1/2	1,245.68	1/2	896.31	1/2	543.43	1/2	183.66	1/2		1/2		1/2		1/2	
3/4	1,957.05	3/4	1,597.38	3/4	1,238.22	3/4	889.08	3/4	535.94	3/4	176.17	3/4		3/4		3/4		3/4	
3	1,949.56	3	1,589.89	3	1,230.76	3	881.86	3	528.44	3	168.67	3		3		3		3	
1/4	1,942.06	1/4	1,582.39	1/4	1,223.29	1/4	874.64	1/4	520.95	1/4	161.18	1/4		1/4		1/4		1/4	
1/2	1,934.57	1/2	1,574.90	1/2	1,215.83	1/2	867.41	1/2	513.45	1/2	153.69	1/2		1/2		1/2		1/2	
3/4	1,927.08	3/4	1,567.41	3/4	1,208.37	3/4	860.18	3/4	505.96	3/4	146.20	3/4		3/4		3/4		3/4	
4	1,919.58	4	1,559.92	4	1,200.91	4	852.95	4	498.46	4	138.71	4		4		4		4	
1/4	1,912.09	1/4	1,552.42	1/4	1,193.44	1/4	845.71	1/4	490.97	1/4	131.22	1/4		1/4		1/4		1/4	
1/2	1,904.60	1/2	1,544.93	1/2	1,185.98	1/2	838.48	1/2	483.47	1/2	123.74	1/2		1/2		1/2		1/2	
3/4	1,897.10	3/4	1,537.44	3/4	1,178.69	3/4	831.23	3/4	475.98	3/4	116.27	3/4		3/4		3/4		3/4	
5	1,889.61	5	1,529.94	5	1,171.41	5	823.98	5	468.48	5	108.81	5		5		5		5	
1/4	1,882.12	1/4	1,522.45	1/4	1,164.12	1/4	816.73	1/4	460.99	1/4	101.35	1/4		1/4		1/4		1/4	
1/2	1,874.63	1/2	1,514.96	1/2	1,156.83	1/2	809.48	1/2	453.49	1/2	93.88	1/2		1/2		1/2		1/2	
3/4	1,867.13	3/4	1,507.46	3/4	1,149.58	3/4	802.23	3/4	445.99	3/4	86.39	3/4		3/4		3/4		3/4	
6	1,859.64	6	1,499.97	6	1,142.33	6	794.98	6	438.50	6	79.98	6		6		6		6	
1/4	1,852.15	1/4	1,492.48	1/4	1,135.07	1/4	787.73	1/4	431.00	1/4	73.03	1/4		1/4		1/4		1/4	
1/2	1,844.65	1/2	1,484.98	1/2	1,127.82	1/2	780.48	1/2	423.51	1/2	66.07	1/2		1/2		1/2		1/2	
3/4	1,837.16	3/4	1,477.49	3/4	1,120.57	3/4	773.22	3/4	416.01	3/4	60.30	3/4		3/4		3/4		3/4	
7	1,829.67	7	1,470.00	7	1,113.32	7	765.97	7	408.52	7	54.52	7		7		7		7	
1/4	1,822.17	1/4	1,462.50	1/4	1,106.07	1/4	758.72	1/4	401.02	1/4	48.74	1/4		1/4		1/4		1/4	
1/2	1,814.68	1/2	1,455.01	1/2	1,098.82	1/2	751.47	1/2	393.53	1/2	42.97	1/2		1/2		1/2		1/2	
3/4	1,807.19	3/4	1,447.52	3/4	1,091.57	3/4	744.19	3/4	386.03	3/4	38.45	3/4		3/4		3/4		3/4	
8	1,799.69	8	1,440.03	8	1,084.32	8	736.91	8	378.54	8	33.94	8		8		8		8	
1/4	1,792.20	1/4	1,432.53	1/4	1,077.06	1/4	729.63	1/4	371.04	1/4	29.43	1/4		1/4		1/4		1/4	
1/2	1,784.71	1/2	1,425.04	1/2	1,069.81	1/2	722.36	1/2	363.55	1/2	24.91	1/2		1/2		1/2		1/2	
3/4	1,777.22	3/4	1,417.55	3/4	1,062.56	3/4	715.07	3/4	356.05	3/4		3/4		3/4		3/4		3/4	
9	1,769.72	9	1,410.05	9	1,055.31	9	707.79	9	348.56	9		9		9		9		9	
1/4	1,762.23	1/4	1,402.56	1/4	1,048.05	1/4	700.51	1/4	341.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,754.74	1/2	1,395.07	1/2	1,040.80	1/2	693.23	1/2	333.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,747.24	3/4	1,387.57	3/4	1,033.57	3/4	685.76	3/4	326.07	3/4		3/4		3/4		3/4		3/4	
10	1,739.75	10	1,380.08	10	1,026.35	10	678.29	10	318.58	10		10		10		10		10	
1/4	1,732.26	1/4	1,372.59	1/4	1,019.12	1/4	670.82	1/4	311.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,724.76	1/2	1,365.09	1/2	1,011.89	1/2	663.36	1/2	303.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,717.27	3/4	1,357.63	3/4	1,004.67	3/4	655.86	3/4	296.09	3/4		3/4		3/4		3/4		3/4	
11	1,709.78	11	1,350.16	11	997.44	11	648.37	11	288.60	11		11		11		11		11	
1/4	1,702.28	1/4	1,342.70	1/4	990.22	1/4	640.87	1/4	281.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,694.79	1/2	1,335.23	1/2	983.00	1/2	633.37	1/2	273.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,687.30	3/4	1,327.77	3/4	975.77	3/4	625.88	3/4	266.11	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

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