



BARGE "HBC 301"

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

(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 301"

1 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	25.12	0	366.39	0	728.92	0	1,091.14	0	1,453.56	0	1,816.11	0	2,178.66	0	2,541.21	0	2,903.76	0	3,266.06
1/4	29.68	1/4	373.94	1/4	736.48	1/4	1,098.68	1/4	1,461.11	1/4	1,823.66	1/4	2,186.21	1/4	2,548.76	1/4	2,911.31	1/4	3,273.61
1/2	34.24	1/2	381.49	1/2	744.03	1/2	1,106.23	1/2	1,468.67	1/2	1,831.22	1/2	2,193.77	1/2	2,556.31	1/2	2,918.86	1/2	3,281.16
3/4	38.81	3/4	389.04	3/4	751.58	3/4	1,113.77	3/4	1,476.22	3/4	1,838.77	3/4	2,201.32	3/4	2,563.87	3/4	2,926.41	3/4	3,288.70
1	43.37	1	396.60	1	759.14	1	1,121.31	1	1,483.77	1	1,846.32	1	2,208.87	1	2,571.42	1	2,933.97	1	3,296.25
1/4	49.19	1/4	404.15	1/4	766.69	1/4	1,128.85	1/4	1,491.33	1/4	1,853.88	1/4	2,216.42	1/4	2,578.97	1/4	2,941.52	1/4	3,303.80
1/2	55.01	1/2	411.70	1/2	774.24	1/2	1,136.39	1/2	1,498.88	1/2	1,861.43	1/2	2,223.98	1/2	2,586.53	1/2	2,949.07	1/2	3,311.34
3/4	60.83	3/4	419.26	3/4	781.79	3/4	1,143.94	3/4	1,506.43	3/4	1,868.98	3/4	2,231.53	3/4	2,594.08	3/4	2,956.62	3/4	3,318.89
2	66.66	2	426.81	2	789.35	2	1,151.48	2	1,513.99	2	1,876.54	2	2,239.08	2	2,601.63	2	2,964.18	2	3,326.44
1/4	73.65	1/4	434.36	1/4	796.90	1/4	1,159.02	1/4	1,521.54	1/4	1,884.09	1/4	2,246.64	1/4	2,609.19	1/4	2,971.73	1/4	3,333.98
1/2	80.65	1/2	441.91	1/2	804.45	1/2	1,166.56	1/2	1,529.09	1/2	1,891.64	1/2	2,254.19	1/2	2,616.74	1/2	2,979.28	1/2	3,341.53
3/4	87.65	3/4	449.47	3/4	812.01	3/4	1,174.11	3/4	1,536.65	3/4	1,899.19	3/4	2,261.74	3/4	2,624.29	3/4	2,986.83	3/4	3,349.08
3	94.64	3	457.02	3	819.56	3	1,181.65	3	1,544.20	3	1,906.75	3	2,269.30	3	2,631.85	3	2,994.38	3	3,356.62
1/4	102.16	1/4	464.57	1/4	827.11	1/4	1,189.20	1/4	1,551.75	1/4	1,914.30	1/4	2,276.85	1/4	2,639.40	1/4	3,001.93	1/4	3,364.17
1/2	109.68	1/2	472.13	1/2	834.66	1/2	1,196.76	1/2	1,559.30	1/2	1,921.85	1/2	2,284.40	1/2	2,646.95	1/2	3,009.48	1/2	3,371.72
3/4	117.21	3/4	479.68	3/4	842.22	3/4	1,204.31	3/4	1,566.86	3/4	1,929.41	3/4	2,291.96	3/4	2,654.50	3/4	3,017.02	3/4	3,379.26
4	124.73	4	487.23	4	849.77	4	1,211.86	4	1,574.41	4	1,936.96	4	2,299.51	4	2,662.06	4	3,024.57	4	3,386.81
1/4	132.27	1/4	494.78	1/4	857.32	1/4	1,219.42	1/4	1,581.96	1/4	1,944.51	1/4	2,307.06	1/4	2,669.61	1/4	3,032.12	1/4	3,394.36
1/2	139.82	1/2	502.34	1/2	864.87	1/2	1,226.97	1/2	1,589.52	1/2	1,952.07	1/2	2,314.61	1/2	2,677.16	1/2	3,039.66	1/2	3,401.90
3/4	147.36	3/4	509.89	3/4	872.42	3/4	1,234.52	3/4	1,597.07	3/4	1,959.62	3/4	2,322.17	3/4	2,684.72	3/4	3,047.21	3/4	3,409.45
5	154.91	5	517.44	5	879.97	5	1,242.07	5	1,604.62	5	1,967.17	5	2,329.72	5	2,692.27	5	3,054.76	5	3,417.00
1/4	162.46	1/4	525.00	1/4	887.51	1/4	1,249.63	1/4	1,612.18	1/4	1,974.73	1/4	2,337.27	1/4	2,699.82	1/4	3,062.30	1/4	3,424.54
1/2	170.01	1/2	532.55	1/2	895.06	1/2	1,257.18	1/2	1,619.73	1/2	1,982.28	1/2	2,344.83	1/2	2,707.38	1/2	3,069.85	1/2	3,432.09
3/4	177.56	3/4	540.10	3/4	902.60	3/4	1,264.73	3/4	1,627.28	3/4	1,989.83	3/4	2,352.38	3/4	2,714.93	3/4	3,077.40	3/4	3,439.64
6	185.12	6	547.65	6	910.14	6	1,272.29	6	1,634.84	6	1,997.38	6	2,359.93	6	2,722.48	6	3,084.94	6	3,447.18
1/4	192.67	1/4	555.21	1/4	917.68	1/4	1,279.84	1/4	1,642.39	1/4	2,004.94	1/4	2,367.49	1/4	2,730.04	1/4	3,092.49	1/4	3,454.73
1/2	200.22	1/2	562.76	1/2	925.22	1/2	1,287.39	1/2	1,649.94	1/2	2,012.49	1/2	2,375.04	1/2	2,737.59	1/2	3,100.04	1/2	3,462.28
3/4	207.77	3/4	570.31	3/4	932.76	3/4	1,294.95	3/4	1,657.50	3/4	2,020.04	3/4	2,382.59	3/4	2,745.14	3/4	3,107.58	3/4	3,469.82
7	215.33	7	577.87	7	940.31	7	1,302.50	7	1,665.05	7	2,027.60	7	2,390.15	7	2,752.69	7	3,115.13	7	3,477.37
1/4	222.88	1/4	585.42	1/4	947.85	1/4	1,310.05	1/4	1,672.60	1/4	2,035.15	1/4	2,397.70	1/4	2,760.25	1/4	3,122.68	1/4	3,484.92
1/2	230.43	1/2	592.97	1/2	955.39	1/2	1,317.61	1/2	1,680.15	1/2	2,042.70	1/2	2,405.25	1/2	2,767.80	1/2	3,130.22	1/2	3,492.46
3/4	237.99	3/4	600.53	3/4	962.93	3/4	1,325.16	3/4	1,687.71	3/4	2,050.26	3/4	2,412.81	3/4	2,775.35	3/4	3,137.77	3/4	3,500.01
8	245.54	8	608.08	8	970.47	8	1,332.71	8	1,695.26	8	2,057.81	8	2,420.36	8	2,782.91	8	3,145.32	8	3,507.56
1/4	253.09	1/4	615.63	1/4	978.02	1/4	1,340.27	1/4	1,702.81	1/4	2,065.36	1/4	2,427.91	1/4	2,790.46	1/4	3,152.86	1/4	3,515.10
1/2	260.64	1/2	623.18	1/2	985.56	1/2	1,347.82	1/2	1,710.37	1/2	2,072.92	1/2	2,435.46	1/2	2,798.02	1/2	3,160.41	1/2	3,522.65
3/4	268.20	3/4	630.74	3/4	993.10	3/4	1,355.37	3/4	1,717.92	3/4	2,080.47	3/4	2,443.02	3/4	2,805.57	3/4	3,167.96	3/4	3,530.20
9	275.75	9	638.29	9	1,000.64	9	1,362.92	9	1,725.47	9	2,088.02	9	2,450.57	9	2,813.13	9	3,175.50	9	3,537.74
1/4	283.30	1/4	645.84	1/4	1,008.18	1/4	1,370.48	1/4	1,733.03	1/4	2,095.58	1/4	2,458.12	1/4	2,820.68	1/4	3,183.05	1/4	3,545.29
1/2	290.86	1/2	653.40	1/2	1,015.72	1/2	1,378.03	1/2	1,740.58	1/2	2,103.13	1/2	2,465.68	1/2	2,828.23	1/2	3,190.60	1/2	3,552.84
3/4	298.41	3/4	660.95	3/4	1,023.27	3/4	1,385.58	3/4	1,748.13	3/4	2,110.68	3/4	2,473.23	3/4	2,835.79	3/4	3,198.14	3/4	3,560.38
10	305.96	10	668.50	10	1,030.81	10	1,393.14	10	1,755.69	10	2,118.23	10	2,480.78	10	2,843.34	10	3,205.69	10	3,567.93
1/4	313.51	1/4	676.05	1/4	1,038.35	1/4	1,400.69	1/4	1,763.24	1/4	2,125.79	1/4	2,488.34	1/4	2,850.89	1/4	3,213.24	1/4	3,575.48
1/2	321.07	1/2	683.61	1/2	1,045.89	1/2	1,408.24	1/2	1,770.79	1/2	2,133.34	1/2	2,495.89	1/2	2,858.44	1/2	3,220.78	1/2	3,583.02
3/4	328.62	3/4	691.16	3/4	1,053.43	3/4	1,415.80	3/4	1,778.34	3/4	2,140.89	3/4	2,503.44	3/4	2,866.00	3/4	3,228.33	3/4	3,590.57
11	336.17	11	698.71	11	1,060.98	11	1,423.35	11	1,785.90	11	2,148.45	11	2,511.00	11	2,873.55	11	3,235.88	11	3,598.12
1/4	343.73	1/4	706.27	1/4	1,068.52	1/4	1,430.90	1/4	1,793.45	1/4	2,156.00	1/4	2,518.55	1/4	2,881.10	1/4	3,243.42	1/4	3,605.67
1/2	351.28	1/2	713.82	1/2	1,076.06	1/2	1,438.46	1/2	1,801.00	1/2	2,163.55	1/2	2,526.10	1/2	2,888.65	1/2	3,250.97	1/2	3,613.21
3/4	358.83	3/4	721.37	3/4	1,083.60	3/4	1,446.01	3/4	1,808.56	3/4	2,171.11	3/4	2,533.65	3/4	2,896.21	3/4	3,258.52	3/4	3,620.76

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 41'-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 301"

1 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	3,628.31	0	3,990.55	0	4,352.79	0	4,714.90	0	5,075.71	0		0		0		0		0	
1/4	3,635.85	1/4	3,998.09	1/4	4,360.33	1/4	4,722.42	1/4	5,083.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,643.40	1/2	4,005.64	1/2	4,367.88	1/2	4,729.94	1/2	5,090.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,650.95	3/4	4,013.19	3/4	4,375.43	3/4	4,737.46	3/4	5,098.02	3/4		3/4		3/4		3/4		3/4	
1	3,658.49	1	4,020.73	1	4,382.98	1	4,744.97	1	5,105.45	1		1		1		1		1	
1/4	3,666.04	1/4	4,028.28	1/4	4,390.52	1/4	4,752.49	1/4	5,112.89	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.59	1/2	4,035.83	1/2	4,398.07	1/2	4,760.01	1/2	5,120.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,681.13	3/4	4,043.37	3/4	4,405.62	3/4	4,767.53	3/4	5,127.76	3/4		3/4		3/4		3/4		3/4	
2	3,688.68	2	4,050.92	2	4,413.16	2	4,775.05	2	5,135.20	2		2		2		2		2	
1/4	3,696.23	1/4	4,058.47	1/4	4,420.71	1/4	4,782.56	1/4	5,142.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,703.77	1/2	4,066.01	1/2	4,428.26	1/2	4,790.08	1/2	5,150.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,711.32	3/4	4,073.56	3/4	4,435.80	3/4	4,797.60	3/4	5,157.51	3/4		3/4		3/4		3/4		3/4	
3	3,718.87	3	4,081.11	3	4,443.35	3	4,805.12	3	5,164.94	3		3		3		3		3	
1/4	3,726.41	1/4	4,088.65	1/4	4,450.90	1/4	4,812.63	1/4	5,172.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,733.96	1/2	4,096.20	1/2	4,458.44	1/2	4,820.15	1/2	5,179.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,741.51	3/4	4,103.75	3/4	4,465.99	3/4	4,827.67	3/4	5,187.25	3/4		3/4		3/4		3/4		3/4	
4	3,749.05	4	4,111.29	4	4,473.54	4	4,835.19	4	5,194.69	4		4		4		4		4	
1/4	3,756.60	1/4	4,118.84	1/4	4,481.08	1/4	4,842.70	1/4	5,202.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,764.15	1/2	4,126.39	1/2	4,488.63	1/2	4,850.22	1/2	5,209.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,771.69	3/4	4,133.93	3/4	4,496.18	3/4	4,857.74	3/4	5,217.01	3/4		3/4		3/4		3/4		3/4	
5	3,779.24	5	4,141.48	5	4,503.72	5	4,865.26	5	5,224.45	5		5		5		5		5	
1/4	3,786.79	1/4	4,149.03	1/4	4,511.27	1/4	4,872.77	1/4	5,231.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,794.33	1/2	4,156.57	1/2	4,518.82	1/2	4,880.29	1/2	5,239.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,801.88	3/4	4,164.12	3/4	4,526.36	3/4	4,887.81	3/4	5,246.38	3/4		3/4		3/4		3/4		3/4	
6	3,809.43	6	4,171.67	6	4,533.91	6	4,895.33	6	5,253.68	6		6		6		6		6	
1/4	3,816.97	1/4	4,179.21	1/4	4,541.46	1/4	4,902.84	1/4	5,259.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,824.52	1/2	4,186.76	1/2	4,549.00	1/2	4,910.36	1/2	5,265.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,832.07	3/4	4,194.31	3/4	4,556.55	3/4	4,917.88	3/4	5,271.85	3/4		3/4		3/4		3/4		3/4	
7	3,839.61	7	4,201.85	7	4,564.10	7	4,925.40	7	5,277.90	7		7		7		7		7	
1/4	3,847.16	1/4	4,209.40	1/4	4,571.64	1/4	4,932.91	1/4	5,282.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,854.71	1/2	4,216.95	1/2	4,579.19	1/2	4,940.43	1/2	5,287.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,862.25	3/4	4,224.49	3/4	4,586.74	3/4	4,947.95	3/4	5,292.28	3/4		3/4		3/4		3/4		3/4	
8	3,869.80	8	4,232.04	8	4,594.28	8	4,955.47	8	5,297.07	8		8		8		8		8	
1/4	3,877.35	1/4	4,239.59	1/4	4,601.83	1/4	4,962.99	1/4	5,300.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,884.89	1/2	4,247.13	1/2	4,609.38	1/2	4,970.50	1/2	5,304.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,892.44	3/4	4,254.68	3/4	4,616.92	3/4	4,978.02	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,899.99	9	4,262.23	9	4,624.47	9	4,985.54	9		9		9		9		9		9	
1/4	3,907.53	1/4	4,269.77	1/4	4,632.02	1/4	4,993.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,915.08	1/2	4,277.32	1/2	4,639.56	1/2	5,000.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,922.63	3/4	4,284.87	3/4	4,647.11	3/4	5,008.09	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,930.17	10	4,292.41	10	4,654.66	10	5,015.61	10		10		10		10		10		10	
1/4	3,937.72	1/4	4,299.96	1/4	4,662.20	1/4	5,023.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,945.27	1/2	4,307.51	1/2	4,669.75	1/2	5,030.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,952.81	3/4	4,315.05	3/4	4,677.29	3/4	5,038.16	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,960.36	11	4,322.60	11	4,684.83	11	5,045.68	11		11		11		11		11		11	
1/4	3,967.91	1/4	4,330.15	1/4	4,692.35	1/4	5,053.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,975.45	1/2	4,337.69	1/2	4,699.87	1/2	5,060.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,983.00	3/4	4,345.24	3/4	4,707.39	3/4	5,068.20	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 301"

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	25.12	0	366.39	0	728.92	0	1,089.70	0	1,451.67	0	1,814.22	0	2,176.76	0	2,539.31	0	2,901.86	0	3,264.17
1/4	29.68	1/4	373.94	1/4	736.48	1/4	1,097.20	1/4	1,459.22	1/4	1,821.77	1/4	2,184.32	1/4	2,546.87	1/4	2,909.42	1/4	3,271.72
1/2	34.24	1/2	381.49	1/2	744.03	1/2	1,104.71	1/2	1,466.77	1/2	1,829.32	1/2	2,191.87	1/2	2,554.42	1/2	2,916.97	1/2	3,279.26
3/4	38.81	3/4	389.04	3/4	751.58	3/4	1,112.21	3/4	1,474.33	3/4	1,836.87	3/4	2,199.42	3/4	2,561.97	3/4	2,924.52	3/4	3,286.81
1	43.37	1	396.60	1	759.14	1	1,119.71	1	1,481.88	1	1,844.43	1	2,206.98	1	2,569.53	1	2,932.07	1	3,294.36
1/4	49.19	1/4	404.15	1/4	766.69	1/4	1,127.21	1/4	1,489.43	1/4	1,851.98	1/4	2,214.53	1/4	2,577.08	1/4	2,939.62	1/4	3,301.90
1/2	55.01	1/2	411.70	1/2	774.24	1/2	1,134.71	1/2	1,496.99	1/2	1,859.53	1/2	2,222.08	1/2	2,584.63	1/2	2,947.18	1/2	3,309.45
3/4	60.83	3/4	419.26	3/4	781.79	3/4	1,142.22	3/4	1,504.54	3/4	1,867.09	3/4	2,229.64	3/4	2,592.18	3/4	2,954.73	3/4	3,317.00
2	66.66	2	426.81	2	789.35	2	1,149.72	2	1,512.09	2	1,874.64	2	2,237.19	2	2,599.74	2	2,962.28	2	3,324.54
1/4	73.65	1/4	434.36	1/4	796.89	1/4	1,157.23	1/4	1,519.64	1/4	1,882.19	1/4	2,244.74	1/4	2,607.29	1/4	2,969.83	1/4	3,332.09
1/2	80.65	1/2	441.91	1/2	804.44	1/2	1,164.74	1/2	1,527.20	1/2	1,889.75	1/2	2,252.30	1/2	2,614.84	1/2	2,977.38	1/2	3,339.64
3/4	87.65	3/4	449.47	3/4	811.99	3/4	1,172.25	3/4	1,534.75	3/4	1,897.30	3/4	2,259.85	3/4	2,622.40	3/4	2,984.94	3/4	3,347.18
3	94.64	3	457.02	3	819.54	3	1,179.76	3	1,542.30	3	1,904.85	3	2,267.40	3	2,629.95	3	2,992.49	3	3,354.73
1/4	102.16	1/4	464.57	1/4	827.05	1/4	1,187.31	1/4	1,549.86	1/4	1,912.41	1/4	2,274.95	1/4	2,637.50	1/4	3,000.03	1/4	3,362.28
1/2	109.68	1/2	472.13	1/2	834.56	1/2	1,194.86	1/2	1,557.41	1/2	1,919.96	1/2	2,282.51	1/2	2,645.06	1/2	3,007.58	1/2	3,369.82
3/4	117.21	3/4	479.68	3/4	842.08	3/4	1,202.41	3/4	1,564.96	3/4	1,927.51	3/4	2,290.06	3/4	2,652.61	3/4	3,015.13	3/4	3,377.37
4	124.73	4	487.23	4	849.59	4	1,209.97	4	1,572.52	4	1,935.07	4	2,297.61	4	2,660.16	4	3,022.67	4	3,384.92
1/4	132.27	1/4	494.78	1/4	857.10	1/4	1,217.52	1/4	1,580.07	1/4	1,942.62	1/4	2,305.17	1/4	2,667.72	1/4	3,030.22	1/4	3,392.46
1/2	139.82	1/2	502.34	1/2	864.61	1/2	1,225.07	1/2	1,587.62	1/2	1,950.17	1/2	2,312.72	1/2	2,675.27	1/2	3,037.77	1/2	3,400.01
3/4	147.36	3/4	509.89	3/4	872.12	3/4	1,232.63	3/4	1,595.18	3/4	1,957.72	3/4	2,320.27	3/4	2,682.82	3/4	3,045.31	3/4	3,407.56
5	154.91	5	517.44	5	879.64	5	1,240.18	5	1,602.73	5	1,965.28	5	2,327.83	5	2,690.38	5	3,052.86	5	3,415.10
1/4	162.46	1/4	525.00	1/4	887.14	1/4	1,247.73	1/4	1,610.28	1/4	1,972.83	1/4	2,335.38	1/4	2,697.93	1/4	3,060.41	1/4	3,422.65
1/2	170.01	1/2	532.55	1/2	894.64	1/2	1,255.29	1/2	1,617.83	1/2	1,980.38	1/2	2,342.93	1/2	2,705.48	1/2	3,067.95	1/2	3,430.20
3/4	177.56	3/4	540.10	3/4	902.14	3/4	1,262.84	3/4	1,625.39	3/4	1,987.94	3/4	2,350.49	3/4	2,713.03	3/4	3,075.50	3/4	3,437.74
6	185.12	6	547.65	6	909.65	6	1,270.39	6	1,632.94	6	1,995.49	6	2,358.04	6	2,720.59	6	3,083.05	6	3,445.29
1/4	192.67	1/4	555.21	1/4	917.15	1/4	1,277.95	1/4	1,640.49	1/4	2,003.04	1/4	2,365.59	1/4	2,728.14	1/4	3,090.59	1/4	3,452.84
1/2	200.22	1/2	562.76	1/2	924.65	1/2	1,285.50	1/2	1,648.05	1/2	2,010.60	1/2	2,373.14	1/2	2,735.69	1/2	3,098.14	1/2	3,460.38
3/4	207.77	3/4	570.31	3/4	932.15	3/4	1,293.05	3/4	1,655.60	3/4	2,018.15	3/4	2,380.70	3/4	2,743.25	3/4	3,105.69	3/4	3,467.93
7	215.33	7	577.87	7	939.66	7	1,300.60	7	1,663.15	7	2,025.70	7	2,388.25	7	2,750.80	7	3,113.23	7	3,475.48
1/4	222.88	1/4	585.42	1/4	947.16	1/4	1,308.16	1/4	1,670.71	1/4	2,033.26	1/4	2,395.80	1/4	2,758.35	1/4	3,120.78	1/4	3,483.02
1/2	230.43	1/2	592.97	1/2	954.66	1/2	1,315.71	1/2	1,678.26	1/2	2,040.81	1/2	2,403.36	1/2	2,765.91	1/2	3,128.33	1/2	3,490.57
3/4	237.99	3/4	600.53	3/4	962.16	3/4	1,323.26	3/4	1,685.81	3/4	2,048.36	3/4	2,410.91	3/4	2,773.46	3/4	3,135.87	3/4	3,498.12
8	245.54	8	608.08	8	969.66	8	1,330.82	8	1,693.37	8	2,055.91	8	2,418.46	8	2,781.01	8	3,143.42	8	3,505.66
1/4	253.09	1/4	615.63	1/4	977.17	1/4	1,338.37	1/4	1,700.92	1/4	2,063.47	1/4	2,426.02	1/4	2,788.57	1/4	3,150.97	1/4	3,513.21
1/2	260.64	1/2	623.18	1/2	984.67	1/2	1,345.92	1/2	1,708.47	1/2	2,071.02	1/2	2,433.57	1/2	2,796.12	1/2	3,158.51	1/2	3,520.76
3/4	268.20	3/4	630.74	3/4	992.17	3/4	1,353.48	3/4	1,716.03	3/4	2,078.57	3/4	2,441.12	3/4	2,803.68	3/4	3,166.06	3/4	3,528.30
9	275.75	9	638.29	9	999.67	9	1,361.03	9	1,723.58	9	2,086.13	9	2,448.68	9	2,811.24	9	3,173.61	9	3,535.85
1/4	283.30	1/4	645.84	1/4	1,007.18	1/4	1,368.58	1/4	1,731.13	1/4	2,093.68	1/4	2,456.23	1/4	2,818.79	1/4	3,181.16	1/4	3,543.40
1/2	290.86	1/2	653.40	1/2	1,014.68	1/2	1,376.14	1/2	1,738.68	1/2	2,101.23	1/2	2,463.78	1/2	2,826.34	1/2	3,188.70	1/2	3,550.94
3/4	298.41	3/4	660.95	3/4	1,022.18	3/4	1,383.69	3/4	1,746.24	3/4	2,108.79	3/4	2,471.34	3/4	2,833.89	3/4	3,196.25	3/4	3,558.49
10	305.96	10	668.50	10	1,029.68	10	1,391.24	10	1,753.79	10	2,116.34	10	2,478.89	10	2,841.44	10	3,203.80	10	3,566.04
1/4	313.51	1/4	676.05	1/4	1,037.19	1/4	1,398.80	1/4	1,761.34	1/4	2,123.89	1/4	2,486.44	1/4	2,849.00	1/4	3,211.34	1/4	3,573.58
1/2	321.07	1/2	683.61	1/2	1,044.69	1/2	1,406.35	1/2	1,768.90	1/2	2,131.45	1/2	2,493.99	1/2	2,856.55	1/2	3,218.89	1/2	3,581.13
3/4	328.62	3/4	691.16	3/4	1,052.19	3/4	1,413.90	3/4	1,776.45	3/4	2,139.00	3/4	2,501.55	3/4	2,864.10	3/4	3,226.44	3/4	3,588.68
11	336.17	11	698.71	11	1,059.69	11	1,421.45	11	1,784.00	11	2,146.55	11	2,509.10	11	2,871.65	11	3,233.98	11	3,596.22
1/4	343.73	1/4	706.27	1/4	1,067.19	1/4	1,429.01	1/4	1,791.56	1/4	2,154.11	1/4	2,516.65	1/4	2,879.21	1/4	3,241.53	1/4	3,603.77
1/2	351.28	1/2	713.82	1/2	1,074.70	1/2	1,436.56	1/2	1,799.11	1/2	2,161.66	1/2	2,524.21	1/2	2,886.76	1/2	3,249.08	1/2	3,611.32
3/4	358.83	3/4	721.37	3/4	1,082.20	3/4	1,444.11	3/4	1,806.66	3/4	2,169.21	3/4	2,531.76	3/4	2,894.31	3/4	3,256.62	3/4	3,618.86

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 41'-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 301"

1 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	3,626.41	0	3,988.65	0	4,350.89	0	4,713.01	0	5,073.81	0		0		0		0		0	
1/4	3,633.96	1/4	3,996.20	1/4	4,358.44	1/4	4,720.53	1/4	5,081.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,641.50	1/2	4,003.75	1/2	4,365.99	1/2	4,728.04	1/2	5,088.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,649.05	3/4	4,011.29	3/4	4,373.53	3/4	4,735.56	3/4	5,096.12	3/4		3/4		3/4		3/4		3/4	
1	3,656.60	1	4,018.84	1	4,381.08	1	4,743.08	1	5,103.56	1		1		1		1		1	
1/4	3,664.14	1/4	4,026.39	1/4	4,388.63	1/4	4,750.60	1/4	5,110.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,671.69	1/2	4,033.93	1/2	4,396.17	1/2	4,758.12	1/2	5,118.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,679.24	3/4	4,041.48	3/4	4,403.72	3/4	4,765.63	3/4	5,125.87	3/4		3/4		3/4		3/4		3/4	
2	3,686.78	2	4,049.03	2	4,411.27	2	4,773.15	2	5,133.30	2		2		2		2		2	
1/4	3,694.33	1/4	4,056.57	1/4	4,418.81	1/4	4,780.67	1/4	5,140.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,701.88	1/2	4,064.12	1/2	4,426.36	1/2	4,788.19	1/2	5,148.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,709.42	3/4	4,071.67	3/4	4,433.91	3/4	4,795.70	3/4	5,155.61	3/4		3/4		3/4		3/4		3/4	
3	3,716.97	3	4,079.21	3	4,441.45	3	4,803.22	3	5,163.05	3		3		3		3		3	
1/4	3,724.52	1/4	4,086.76	1/4	4,449.00	1/4	4,810.74	1/4	5,170.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,732.06	1/2	4,094.31	1/2	4,456.55	1/2	4,818.26	1/2	5,177.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,739.61	3/4	4,101.85	3/4	4,464.09	3/4	4,825.77	3/4	5,185.36	3/4		3/4		3/4		3/4		3/4	
4	3,747.16	4	4,109.40	4	4,471.64	4	4,833.29	4	5,192.80	4		4		4		4		4	
1/4	3,754.70	1/4	4,116.95	1/4	4,479.19	1/4	4,840.81	1/4	5,200.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,762.25	1/2	4,124.49	1/2	4,486.73	1/2	4,848.33	1/2	5,207.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,769.80	3/4	4,132.04	3/4	4,494.28	3/4	4,855.84	3/4	5,215.11	3/4		3/4		3/4		3/4		3/4	
5	3,777.34	5	4,139.59	5	4,501.83	5	4,863.36	5	5,222.55	5		5		5		5		5	
1/4	3,784.89	1/4	4,147.13	1/4	4,509.37	1/4	4,870.88	1/4	5,229.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,792.44	1/2	4,154.68	1/2	4,516.92	1/2	4,878.40	1/2	5,237.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,799.98	3/4	4,162.23	3/4	4,524.47	3/4	4,885.91	3/4	5,244.48	3/4		3/4		3/4		3/4		3/4	
6	3,807.53	6	4,169.77	6	4,532.01	6	4,893.43	6	5,251.79	6		6		6		6		6	
1/4	3,815.08	1/4	4,177.32	1/4	4,539.56	1/4	4,900.95	1/4	5,257.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,822.62	1/2	4,184.87	1/2	4,547.11	1/2	4,908.47	1/2	5,263.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,830.17	3/4	4,192.41	3/4	4,554.65	3/4	4,915.98	3/4	5,269.95	3/4		3/4		3/4		3/4		3/4	
7	3,837.72	7	4,199.96	7	4,562.20	7	4,923.50	7	5,276.01	7		7		7		7		7	
1/4	3,845.26	1/4	4,207.51	1/4	4,569.75	1/4	4,931.02	1/4	5,280.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,852.81	1/2	4,215.05	1/2	4,577.29	1/2	4,938.54	1/2	5,285.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,860.36	3/4	4,222.60	3/4	4,584.84	3/4	4,946.06	3/4	5,290.38	3/4		3/4		3/4		3/4		3/4	
8	3,867.90	8	4,230.15	8	4,592.39	8	4,953.57	8	5,295.18	8		8		8		8		8	
1/4	3,875.45	1/4	4,237.69	1/4	4,599.93	1/4	4,961.09	1/4	5,298.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,883.00	1/2	4,245.24	1/2	4,607.48	1/2	4,968.61	1/2	5,302.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,890.54	3/4	4,252.79	3/4	4,615.03	3/4	4,976.13	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,898.09	9	4,260.33	9	4,622.57	9	4,983.64	9		9		9		9		9		9	
1/4	3,905.64	1/4	4,267.88	1/4	4,630.12	1/4	4,991.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,913.18	1/2	4,275.43	1/2	4,637.67	1/2	4,998.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,920.73	3/4	4,282.97	3/4	4,645.21	3/4	5,006.20	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,928.28	10	4,290.52	10	4,652.76	10	5,013.71	10		10		10		10		10		10	
1/4	3,935.83	1/4	4,298.07	1/4	4,660.31	1/4	5,021.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,943.37	1/2	4,305.61	1/2	4,667.85	1/2	5,028.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,950.92	3/4	4,313.16	3/4	4,675.39	3/4	5,036.27	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,958.47	11	4,320.71	11	4,682.94	11	5,043.78	11		11		11		11		11		11	
1/4	3,966.01	1/4	4,328.25	1/4	4,690.46	1/4	5,051.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,973.56	1/2	4,335.80	1/2	4,697.97	1/2	5,058.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,981.11	3/4	4,343.35	3/4	4,705.49	3/4	5,066.31	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 301"

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 41'-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 301"

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 301"

2 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	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

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 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 301"

2 STBD 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	3,604.38	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
<http://www.pmacorp.net>



BARGE "HBC 301"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	24.97	0	364.20	0	724.57	0	1,084.63	0	1,444.88	0	1,805.26	0	2,165.61	0	2,525.55	0	2,884.47	0	3,243.65
1/4	29.51	1/4	371.71	1/4	732.08	1/4	1,092.12	1/4	1,452.39	1/4	1,812.77	1/4	2,173.12	1/4	2,533.04	1/4	2,891.93	1/4	3,251.16
1/2	34.04	1/2	379.21	1/2	739.58	1/2	1,099.62	1/2	1,459.90	1/2	1,820.28	1/2	2,180.62	1/2	2,540.53	1/2	2,899.39	1/2	3,258.66
3/4	38.58	3/4	386.72	3/4	747.09	3/4	1,107.12	3/4	1,467.40	3/4	1,827.79	3/4	2,188.13	3/4	2,548.02	3/4	2,906.84	3/4	3,266.17
1	43.11	1	394.23	1	754.60	1	1,114.61	1	1,474.91	1	1,835.30	1	2,195.63	1	2,555.51	1	2,914.30	1	3,273.68
1/4	48.90	1/4	401.74	1/4	762.11	1/4	1,122.11	1/4	1,482.42	1/4	1,842.80	1/4	2,203.14	1/4	2,563.00	1/4	2,921.77	1/4	3,281.18
1/2	54.69	1/2	409.24	1/2	769.61	1/2	1,129.61	1/2	1,489.93	1/2	1,850.31	1/2	2,210.64	1/2	2,570.49	1/2	2,929.24	1/2	3,288.69
3/4	60.47	3/4	416.75	3/4	777.12	3/4	1,137.10	3/4	1,497.44	3/4	1,857.82	3/4	2,218.15	3/4	2,577.98	3/4	2,936.71	3/4	3,296.19
2	66.26	2	424.26	2	784.63	2	1,144.60	2	1,504.94	2	1,865.33	2	2,225.65	2	2,585.47	2	2,944.18	2	3,303.70
1/4	73.22	1/4	431.77	1/4	792.14	1/4	1,152.10	1/4	1,512.45	1/4	1,872.84	1/4	2,233.16	1/4	2,592.96	1/4	2,951.65	1/4	3,311.20
1/2	80.17	1/2	439.28	1/2	799.64	1/2	1,159.60	1/2	1,519.96	1/2	1,880.34	1/2	2,240.66	1/2	2,600.45	1/2	2,959.12	1/2	3,318.71
3/4	87.13	3/4	446.78	3/4	807.15	3/4	1,167.09	3/4	1,527.47	3/4	1,887.85	3/4	2,248.17	3/4	2,607.94	3/4	2,966.59	3/4	3,326.21
3	94.08	3	454.29	3	814.66	3	1,174.59	3	1,534.98	3	1,895.36	3	2,255.67	3	2,615.43	3	2,974.06	3	3,333.72
1/4	101.56	1/4	461.80	1/4	822.17	1/4	1,182.10	1/4	1,542.48	1/4	1,902.87	1/4	2,263.17	1/4	2,622.92	1/4	2,981.52	1/4	3,341.22
1/2	109.03	1/2	469.31	1/2	829.68	1/2	1,189.61	1/2	1,549.99	1/2	1,910.38	1/2	2,270.68	1/2	2,630.41	1/2	2,988.99	1/2	3,348.73
3/4	116.51	3/4	476.81	3/4	837.18	3/4	1,197.12	3/4	1,557.50	3/4	1,917.88	3/4	2,278.18	3/4	2,637.90	3/4	2,996.46	3/4	3,356.24
4	123.99	4	484.32	4	844.69	4	1,204.62	4	1,565.01	4	1,925.39	4	2,285.69	4	2,645.39	4	3,003.92	4	3,363.74
1/4	131.49	1/4	491.83	1/4	852.20	1/4	1,212.13	1/4	1,572.52	1/4	1,932.90	1/4	2,293.19	1/4	2,652.88	1/4	3,011.39	1/4	3,371.25
1/2	138.98	1/2	499.34	1/2	859.70	1/2	1,219.64	1/2	1,580.02	1/2	1,940.41	1/2	2,300.70	1/2	2,660.37	1/2	3,018.86	1/2	3,378.75
3/4	146.48	3/4	506.84	3/4	867.21	3/4	1,227.15	3/4	1,587.53	3/4	1,947.92	3/4	2,308.20	3/4	2,667.86	3/4	3,026.33	3/4	3,386.26
5	153.98	5	514.35	5	874.72	5	1,234.66	5	1,595.04	5	1,955.42	5	2,315.71	5	2,675.35	5	3,033.79	5	3,393.76
1/4	161.49	1/4	521.86	1/4	882.22	1/4	1,242.16	1/4	1,602.55	1/4	1,962.93	1/4	2,323.21	1/4	2,682.84	1/4	3,041.26	1/4	3,401.27
1/2	169.00	1/2	529.37	1/2	889.71	1/2	1,249.67	1/2	1,610.06	1/2	1,970.44	1/2	2,330.72	1/2	2,690.33	1/2	3,048.73	1/2	3,408.77
3/4	176.51	3/4	536.88	3/4	897.21	3/4	1,257.18	3/4	1,617.56	3/4	1,977.95	3/4	2,338.22	3/4	2,697.82	3/4	3,056.19	3/4	3,416.28
6	184.01	6	544.38	6	904.71	6	1,264.69	6	1,625.07	6	1,985.46	6	2,345.73	6	2,705.31	6	3,063.66	6	3,423.78
1/4	191.52	1/4	551.89	1/4	912.20	1/4	1,272.20	1/4	1,632.58	1/4	1,992.96	1/4	2,353.23	1/4	2,712.80	1/4	3,071.13	1/4	3,431.29
1/2	199.03	1/2	559.40	1/2	919.70	1/2	1,279.70	1/2	1,640.09	1/2	2,000.47	1/2	2,360.74	1/2	2,720.29	1/2	3,078.60	1/2	3,438.79
3/4	206.54	3/4	566.91	3/4	927.20	3/4	1,287.21	3/4	1,647.60	3/4	2,007.98	3/4	2,368.24	3/4	2,727.78	3/4	3,086.07	3/4	3,446.30
7	214.04	7	574.41	7	934.69	7	1,294.72	7	1,655.10	7	2,015.49	7	2,375.74	7	2,735.27	7	3,093.55	7	3,453.81
1/4	221.55	1/4	581.92	1/4	942.19	1/4	1,302.23	1/4	1,662.61	1/4	2,023.00	1/4	2,383.23	1/4	2,742.75	1/4	3,101.05	1/4	3,461.31
1/2	229.06	1/2	589.43	1/2	949.69	1/2	1,309.74	1/2	1,670.12	1/2	2,030.50	1/2	2,390.72	1/2	2,750.23	1/2	3,108.56	1/2	3,468.82
3/4	236.57	3/4	596.94	3/4	957.18	3/4	1,317.24	3/4	1,677.63	3/4	2,038.01	3/4	2,398.21	3/4	2,757.72	3/4	3,116.06	3/4	3,476.32
8	244.07	8	604.44	8	964.68	8	1,324.75	8	1,685.14	8	2,045.52	8	2,405.70	8	2,765.20	8	3,123.57	8	3,483.83
1/4	251.58	1/4	611.95	1/4	972.18	1/4	1,332.26	1/4	1,692.64	1/4	2,053.03	1/4	2,413.19	1/4	2,772.66	1/4	3,131.07	1/4	3,490.90
1/2	259.09	1/2	619.46	1/2	979.67	1/2	1,339.77	1/2	1,700.15	1/2	2,060.54	1/2	2,420.68	1/2	2,780.11	1/2	3,138.58	1/2	3,497.97
3/4	266.60	3/4	626.97	3/4	987.17	3/4	1,347.28	3/4	1,707.66	3/4	2,068.04	3/4	2,428.17	3/4	2,787.56	3/4	3,146.08	3/4	3,505.04
9	274.11	9	634.48	9	994.67	9	1,354.78	9	1,715.17	9	2,075.55	9	2,435.66	9	2,795.01	9	3,153.59	9	3,512.11
1/4	281.61	1/4	641.98	1/4	1,002.16	1/4	1,362.29	1/4	1,722.68	1/4	2,083.06	1/4	2,443.16	1/4	2,802.47	1/4	3,161.09	1/4	3,519.15
1/2	289.12	1/2	649.49	1/2	1,009.66	1/2	1,369.80	1/2	1,730.18	1/2	2,090.56	1/2	2,450.65	1/2	2,809.92	1/2	3,168.60	1/2	3,526.18
3/4	296.63	3/4	657.00	3/4	1,017.16	3/4	1,377.31	3/4	1,737.69	3/4	2,098.07	3/4	2,458.14	3/4	2,817.38	3/4	3,176.11	3/4	3,524.21
10	304.14	10	664.51	10	1,024.65	10	1,384.82	10	1,745.20	10	2,105.57	10	2,465.63	10	2,824.83	10	3,183.61	10	3,528.24
1/4	311.64	1/4	672.01	1/4	1,032.15	1/4	1,392.32	1/4	1,752.71	1/4	2,113.08	1/4	2,473.12	1/4	2,832.29	1/4	3,191.12	1/4	3,532.28
1/2	319.15	1/2	679.52	1/2	1,039.65	1/2	1,399.83	1/2	1,760.22	1/2	2,120.58	1/2	2,480.61	1/2	2,839.74	1/2	3,198.62	1/2	3,536.31
3/4	326.66	3/4	687.03	3/4	1,047.14	3/4	1,407.34	3/4	1,767.72	3/4	2,128.09	3/4	2,488.10	3/4	2,847.20	3/4	3,206.13	3/4	3,540.34
11	334.17	11	694.54	11	1,054.64	11	1,414.85	11	1,775.23	11	2,135.59	11	2,495.59	11	2,854.65	11	3,213.63	11	3,544.37
1/4	341.67	1/4	702.04	1/4	1,062.14	1/4	1,422.36	1/4	1,782.74	1/4	2,143.10	1/4	2,503.08	1/4	2,862.11	1/4	3,221.14	1/4	3,548.41
1/2	349.18	1/2	709.55	1/2	1,069.63	1/2	1,429.86	1/2	1,790.25	1/2	2,150.60	1/2	2,510.57	1/2	2,869.56	1/2	3,228.64	1/2	3,552.44
3/4	356.69	3/4	717.06	3/4	1,077.13	3/4	1,437.37	3/4	1,797.76	3/4	2,158.11	3/4	2,518.06	3/4	2,877.02	3/4	3,236.15	3/4	3,556.47

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 54'-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 301"

3 PORT 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	3,560.50	0	3,754.07	0	3,947.64	0	4,141.15	0	4,334.00	0		0		0		0		0	
1/4	3,564.54	1/4	3,758.11	1/4	3,951.68	1/4	4,145.17	1/4	4,337.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,568.57	1/2	3,762.14	1/2	3,955.71	1/2	4,149.18	1/2	4,341.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,572.60	3/4	3,766.17	3/4	3,959.74	3/4	4,153.20	3/4	4,345.92	3/4		3/4		3/4		3/4		3/4	
1	3,576.64	1	3,770.21	1	3,963.77	1	4,157.22	1	4,349.90	1		1		1		1		1	
1/4	3,580.67	1/4	3,774.24	1/4	3,967.81	1/4	4,161.24	1/4	4,353.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,584.70	1/2	3,778.27	1/2	3,971.84	1/2	4,165.26	1/2	4,357.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,588.73	3/4	3,782.30	3/4	3,975.87	3/4	4,169.27	3/4	4,361.82	3/4		3/4		3/4		3/4		3/4	
2	3,592.77	2	3,786.34	2	3,979.91	2	4,173.29	2	4,365.80	2		2		2		2		2	
1/4	3,596.80	1/4	3,790.37	1/4	3,983.94	1/4	4,177.31	1/4	4,369.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,600.83	1/2	3,794.40	1/2	3,987.97	1/2	4,181.33	1/2	4,373.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,604.86	3/4	3,798.43	3/4	3,992.00	3/4	4,185.35	3/4	4,377.72	3/4		3/4		3/4		3/4		3/4	
3	3,608.90	3	3,802.47	3	3,996.04	3	4,189.36	3	4,381.70	3		3		3		3		3	
1/4	3,612.93	1/4	3,806.50	1/4	4,000.07	1/4	4,193.38	1/4	4,385.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,616.96	1/2	3,810.53	1/2	4,004.10	1/2	4,197.40	1/2	4,389.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,621.00	3/4	3,814.56	3/4	4,008.13	3/4	4,201.42	3/4	4,393.62	3/4		3/4		3/4		3/4		3/4	
4	3,625.03	4	3,818.60	4	4,012.17	4	4,205.44	4	4,397.60	4		4		4		4		4	
1/4	3,629.06	1/4	3,822.63	1/4	4,016.20	1/4	4,209.46	1/4	4,401.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,633.09	1/2	3,826.66	1/2	4,020.23	1/2	4,213.47	1/2	4,405.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,637.13	3/4	3,830.70	3/4	4,024.27	3/4	4,217.49	3/4	4,409.53	3/4		3/4		3/4		3/4		3/4	
5	3,641.16	5	3,834.73	5	4,028.30	5	4,221.51	5	4,413.50	5		5		5		5		5	
1/4	3,645.19	1/4	3,838.76	1/4	4,032.33	1/4	4,225.53	1/4	4,417.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,649.22	1/2	3,842.79	1/2	4,036.36	1/2	4,229.55	1/2	4,421.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,653.26	3/4	3,846.83	3/4	4,040.40	3/4	4,233.56	3/4	4,425.00	3/4		3/4		3/4		3/4		3/4	
6	3,657.29	6	3,850.86	6	4,044.43	6	4,237.58	6	4,428.84	6		6		6		6		6	
1/4	3,661.32	1/4	3,854.89	1/4	4,048.46	1/4	4,241.60	1/4	4,431.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,665.36	1/2	3,858.92	1/2	4,052.49	1/2	4,245.62	1/2	4,434.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,669.39	3/4	3,862.96	3/4	4,056.53	3/4	4,249.64	3/4	4,436.59	3/4		3/4		3/4		3/4		3/4	
7	3,673.42	7	3,866.99	7	4,060.56	7	4,253.65	7	4,439.18	7		7		7		7		7	
1/4	3,677.45	1/4	3,871.02	1/4	4,064.59	1/4	4,257.67	1/4	4,440.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,681.49	1/2	3,875.06	1/2	4,068.63	1/2	4,261.69	1/2	4,441.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,685.52	3/4	3,879.09	3/4	4,072.66	3/4	4,265.71	3/4	4,443.17	3/4		3/4		3/4		3/4		3/4	
8	3,689.55	8	3,883.12	8	4,076.69	8	4,269.73	8	4,444.50	8		8		8		8		8	
1/4	3,693.58	1/4	3,887.15	1/4	4,080.72	1/4	4,273.74	1/4	4,444.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,697.62	1/2	3,891.19	1/2	4,084.76	1/2	4,277.76	1/2	4,444.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,701.65	3/4	3,895.22	3/4	4,088.79	3/4	4,281.78	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,705.68	9	3,899.25	9	4,092.82	9	4,285.80	9		9		9		9		9		9	
1/4	3,709.71	1/4	3,903.28	1/4	4,096.85	1/4	4,289.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,713.75	1/2	3,907.32	1/2	4,100.89	1/2	4,293.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,717.78	3/4	3,911.35	3/4	4,104.92	3/4	4,297.85	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,721.81	10	3,915.38	10	4,108.95	10	4,301.87	10		10		10		10		10		10	
1/4	3,725.85	1/4	3,919.42	1/4	4,112.98	1/4	4,305.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.88	1/2	3,923.45	1/2	4,117.01	1/2	4,309.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,733.91	3/4	3,927.48	3/4	4,121.04	3/4	4,313.93	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,737.94	11	3,931.51	11	4,125.08	11	4,317.94	11		11		11		11		11		11	
1/4	3,741.98	1/4	3,935.55	1/4	4,129.09	1/4	4,321.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,746.01	1/2	3,939.58	1/2	4,133.11	1/2	4,325.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,750.04	3/4	3,943.61	3/4	4,137.13	3/4	4,329.98	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.
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BARGE "HBC 301"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

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	24.91	0	363.59	0	722.44	0	1,069.94	0	1,425.21	0	1,784.92	0	2,144.60	0	2,503.86	0	2,862.12	0	3,220.62
1/4	29.43	1/4	371.09	1/4	729.72	1/4	1,077.19	1/4	1,432.70	1/4	1,792.42	1/4	2,152.09	1/4	2,511.34	1/4	2,869.56	1/4	3,228.12
1/2	33.94	1/2	378.58	1/2	737.00	1/2	1,084.45	1/2	1,440.20	1/2	1,799.91	1/2	2,159.58	1/2	2,518.82	1/2	2,877.00	1/2	3,235.61
3/4	38.46	3/4	386.08	3/4	744.28	3/4	1,091.70	3/4	1,447.69	3/4	1,807.40	3/4	2,167.07	3/4	2,526.29	3/4	2,884.45	3/4	3,243.10
1	42.97	1	393.58	1	751.56	1	1,098.95	1	1,455.19	1	1,814.90	1	2,174.56	1	2,533.77	1	2,891.89	1	3,250.59
1/4	48.75	1/4	401.07	1/4	758.81	1/4	1,106.20	1/4	1,462.68	1/4	1,822.39	1/4	2,182.05	1/4	2,541.25	1/4	2,899.34	1/4	3,258.08
1/2	54.53	1/2	408.57	1/2	766.06	1/2	1,113.45	1/2	1,470.17	1/2	1,829.89	1/2	2,189.54	1/2	2,548.72	1/2	2,906.80	1/2	3,265.57
3/4	60.30	3/4	416.06	3/4	773.32	3/4	1,120.71	3/4	1,477.67	3/4	1,837.38	3/4	2,197.03	3/4	2,556.20	3/4	2,914.26	3/4	3,273.06
2	66.08	2	423.56	2	780.57	2	1,127.96	2	1,485.16	2	1,844.87	2	2,204.53	2	2,563.68	2	2,921.71	2	3,280.56
1/4	73.04	1/4	431.06	1/4	787.82	1/4	1,135.21	1/4	1,492.66	1/4	1,852.37	1/4	2,212.02	1/4	2,571.15	1/4	2,929.17	1/4	3,288.05
1/2	79.99	1/2	438.55	1/2	795.07	1/2	1,142.46	1/2	1,500.15	1/2	1,859.86	1/2	2,219.51	1/2	2,578.63	1/2	2,936.62	1/2	3,295.54
3/4	86.94	3/4	446.05	3/4	802.33	3/4	1,149.72	3/4	1,507.64	3/4	1,867.36	3/4	2,227.00	3/4	2,586.10	3/4	2,944.08	3/4	3,303.03
3	93.89	3	453.54	3	809.58	3	1,156.97	3	1,515.14	3	1,874.85	3	2,234.49	3	2,593.58	3	2,951.53	3	3,310.52
1/4	101.36	1/4	461.04	1/4	816.83	1/4	1,164.26	1/4	1,522.63	1/4	1,882.34	1/4	2,241.98	1/4	2,601.06	1/4	2,958.98	1/4	3,318.01
1/2	108.82	1/2	468.54	1/2	824.08	1/2	1,171.55	1/2	1,530.13	1/2	1,889.84	1/2	2,249.47	1/2	2,608.53	1/2	2,966.44	1/2	3,325.50
3/4	116.29	3/4	476.03	3/4	831.33	3/4	1,178.84	3/4	1,537.62	3/4	1,897.33	3/4	2,256.96	3/4	2,616.01	3/4	2,973.89	3/4	3,333.00
4	123.75	4	483.53	4	838.58	4	1,186.12	4	1,545.11	4	1,904.83	4	2,264.45	4	2,623.48	4	2,981.34	4	3,340.49
1/4	131.24	1/4	491.02	1/4	845.81	1/4	1,193.59	1/4	1,552.61	1/4	1,912.32	1/4	2,271.94	1/4	2,630.96	1/4	2,988.80	1/4	3,347.98
1/2	138.73	1/2	498.52	1/2	853.05	1/2	1,201.05	1/2	1,560.10	1/2	1,919.81	1/2	2,279.43	1/2	2,638.43	1/2	2,996.25	1/2	3,355.47
3/4	146.22	3/4	506.02	3/4	860.28	3/4	1,208.51	3/4	1,567.60	3/4	1,927.31	3/4	2,286.93	3/4	2,645.91	3/4	3,003.70	3/4	3,362.96
5	153.70	5	513.51	5	867.52	5	1,215.98	5	1,575.09	5	1,934.80	5	2,294.42	5	2,653.38	5	3,011.16	5	3,370.45
1/4	161.20	1/4	521.01	1/4	874.74	1/4	1,223.44	1/4	1,582.58	1/4	1,942.30	1/4	2,301.91	1/4	2,660.86	1/4	3,018.61	1/4	3,377.94
1/2	168.70	1/2	528.51	1/2	881.97	1/2	1,230.90	1/2	1,590.08	1/2	1,949.79	1/2	2,309.40	1/2	2,668.33	1/2	3,026.06	1/2	3,385.44
3/4	176.19	3/4	536.00	3/4	889.19	3/4	1,238.37	3/4	1,597.57	3/4	1,957.28	3/4	2,316.89	3/4	2,675.81	3/4	3,033.51	3/4	3,392.93
6	183.69	6	543.50	6	896.42	6	1,245.83	6	1,605.07	6	1,964.78	6	2,324.38	6	2,683.29	6	3,040.97	6	3,400.42
1/4	191.18	1/4	550.99	1/4	903.64	1/4	1,253.29	1/4	1,612.56	1/4	1,972.27	1/4	2,331.87	1/4	2,690.76	1/4	3,048.42	1/4	3,407.91
1/2	198.68	1/2	558.49	1/2	910.87	1/2	1,260.76	1/2	1,620.05	1/2	1,979.77	1/2	2,339.36	1/2	2,698.24	1/2	3,055.88	1/2	3,415.40
3/4	206.17	3/4	565.99	3/4	918.09	3/4	1,268.22	3/4	1,627.55	3/4	1,987.26	3/4	2,346.85	3/4	2,705.71	3/4	3,063.34	3/4	3,422.89
7	213.67	7	573.48	7	925.31	7	1,275.68	7	1,635.04	7	1,994.75	7	2,354.34	7	2,713.19	7	3,070.80	7	3,430.38
1/4	221.17	1/4	580.98	1/4	932.54	1/4	1,283.15	1/4	1,642.54	1/4	2,002.25	1/4	2,361.81	1/4	2,720.66	1/4	3,078.29	1/4	3,437.88
1/2	228.66	1/2	588.47	1/2	939.76	1/2	1,290.61	1/2	1,650.03	1/2	2,009.74	1/2	2,369.29	1/2	2,728.13	1/2	3,085.78	1/2	3,445.37
3/4	236.16	3/4	595.97	3/4	946.99	3/4	1,298.07	3/4	1,657.52	3/4	2,017.24	3/4	2,376.77	3/4	2,735.60	3/4	3,093.27	3/4	3,452.86
8	243.65	8	603.47	8	954.21	8	1,305.54	8	1,665.02	8	2,024.73	8	2,384.24	8	2,743.07	8	3,100.76	8	3,460.35
1/4	251.15	1/4	610.96	1/4	961.44	1/4	1,313.00	1/4	1,672.51	1/4	2,032.22	1/4	2,391.72	1/4	2,750.51	1/4	3,108.25	1/4	3,467.84
1/2	258.65	1/2	618.46	1/2	968.66	1/2	1,320.46	1/2	1,680.01	1/2	2,039.72	1/2	2,399.20	1/2	2,757.95	1/2	3,115.75	1/2	3,475.33
3/4	266.14	3/4	625.95	3/4	975.89	3/4	1,327.93	3/4	1,687.50	3/4	2,047.21	3/4	2,406.67	3/4	2,765.39	3/4	3,123.24	3/4	3,482.82
9	273.64	9	633.45	9	983.11	9	1,335.39	9	1,694.99	9	2,054.71	9	2,414.15	9	2,772.82	9	3,130.73	9	3,488.59
1/4	281.13	1/4	640.95	1/4	990.34	1/4	1,342.86	1/4	1,702.49	1/4	2,062.20	1/4	2,421.62	1/4	2,780.27	1/4	3,138.22	1/4	3,496.22
1/2	288.63	1/2	648.44	1/2	997.56	1/2	1,350.32	1/2	1,709.98	1/2	2,069.69	1/2	2,429.10	1/2	2,787.71	1/2	3,145.71	1/2	3,496.65
3/4	296.13	3/4	655.94	3/4	1,004.79	3/4	1,357.79	3/4	1,717.48	3/4	2,077.18	3/4	2,436.58	3/4	2,795.15	3/4	3,153.20	3/4	3,500.68
10	303.62	10	663.43	10	1,012.01	10	1,365.26	10	1,724.97	10	2,084.67	10	2,444.05	10	2,802.59	10	3,160.69	10	3,504.72
1/4	311.12	1/4	670.90	1/4	1,019.24	1/4	1,372.75	1/4	1,732.46	1/4	2,092.16	1/4	2,451.53	1/4	2,810.03	1/4	3,168.19	1/4	3,508.75
1/2	318.61	1/2	678.37	1/2	1,026.47	1/2	1,380.25	1/2	1,739.96	1/2	2,099.65	1/2	2,459.01	1/2	2,817.47	1/2	3,175.68	1/2	3,512.78
3/4	326.11	3/4	685.84	3/4	1,033.70	3/4	1,387.74	3/4	1,747.45	3/4	2,107.14	3/4	2,466.48	3/4	2,824.91	3/4	3,183.17	3/4	3,516.81
11	333.61	11	693.31	11	1,040.93	11	1,395.23	11	1,754.95	11	2,114.63	11	2,473.96	11	2,832.35	11	3,190.66	11	3,520.85
1/4	341.10	1/4	700.59	1/4	1,048.18	1/4	1,402.73	1/4	1,762.44	1/4	2,122.13	1/4	2,481.44	1/4	2,839.79	1/4	3,198.15	1/4	3,524.88
1/2	348.60	1/2	707.88	1/2	1,055.43	1/2	1,410.22	1/2	1,769.93	1/2	2,129.62	1/2	2,488.91	1/2	2,847.23	1/2	3,205.64	1/2	3,528.91
3/4	356.09	3/4	715.16	3/4	1,062.69	3/4	1,417.72	3/4	1,777.43	3/4	2,137.11	3/4	2,496.39	3/4	2,854.68	3/4	3,213.13	3/4	3,532.95

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 54'-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 301"

**3 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

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	3,536.98	0	3,730.55	0	3,924.12	0	4,117.62	0	4,310.47	0		0		0		0		0	
1/4	3,541.01	1/4	3,734.58	1/4	3,928.15	1/4	4,121.64	1/4	4,314.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,545.04	1/2	3,738.61	1/2	3,932.18	1/2	4,125.66	1/2	4,318.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,549.08	3/4	3,742.65	3/4	3,936.22	3/4	4,129.68	3/4	4,322.40	3/4		3/4		3/4		3/4		3/4	
1	3,553.11	1	3,746.68	1	3,940.25	1	4,133.69	1	4,326.37	1		1		1		1		1	
1/4	3,557.14	1/4	3,750.71	1/4	3,944.28	1/4	4,137.71	1/4	4,330.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,561.17	1/2	3,754.74	1/2	3,948.31	1/2	4,141.73	1/2	4,334.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,565.21	3/4	3,758.78	3/4	3,952.35	3/4	4,145.75	3/4	4,338.30	3/4		3/4		3/4		3/4		3/4	
2	3,569.24	2	3,762.81	2	3,956.38	2	4,149.77	2	4,342.27	2		2		2		2		2	
1/4	3,573.27	1/4	3,766.84	1/4	3,960.41	1/4	4,153.78	1/4	4,346.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,577.31	1/2	3,770.88	1/2	3,964.44	1/2	4,157.80	1/2	4,350.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,581.34	3/4	3,774.91	3/4	3,968.48	3/4	4,161.82	3/4	4,354.20	3/4		3/4		3/4		3/4		3/4	
3	3,585.37	3	3,778.94	3	3,972.51	3	4,165.84	3	4,358.17	3		3		3		3		3	
1/4	3,589.40	1/4	3,782.97	1/4	3,976.54	1/4	4,169.86	1/4	4,362.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,593.44	1/2	3,787.01	1/2	3,980.58	1/2	4,173.88	1/2	4,366.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,597.47	3/4	3,791.04	3/4	3,984.61	3/4	4,177.89	3/4	4,370.10	3/4		3/4		3/4		3/4		3/4	
4	3,601.50	4	3,795.07	4	3,988.64	4	4,181.91	4	4,374.07	4		4		4		4		4	
1/4	3,605.53	1/4	3,799.10	1/4	3,992.67	1/4	4,185.93	1/4	4,378.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,609.57	1/2	3,803.14	1/2	3,996.71	1/2	4,189.95	1/2	4,382.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,613.60	3/4	3,807.17	3/4	4,000.74	3/4	4,193.97	3/4	4,386.00	3/4		3/4		3/4		3/4		3/4	
5	3,617.63	5	3,811.20	5	4,004.77	5	4,197.98	5	4,389.98	5		5		5		5		5	
1/4	3,621.67	1/4	3,815.23	1/4	4,008.80	1/4	4,202.00	1/4	4,393.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,625.70	1/2	3,819.27	1/2	4,012.84	1/2	4,206.02	1/2	4,397.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,629.73	3/4	3,823.30	3/4	4,016.87	3/4	4,210.04	3/4	4,401.48	3/4		3/4		3/4		3/4		3/4	
6	3,633.76	6	3,827.33	6	4,020.90	6	4,214.06	6	4,405.31	6		6		6		6		6	
1/4	3,637.80	1/4	3,831.37	1/4	4,024.94	1/4	4,218.07	1/4	4,407.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,641.83	1/2	3,835.40	1/2	4,028.97	1/2	4,222.09	1/2	4,410.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,645.86	3/4	3,839.43	3/4	4,033.00	3/4	4,226.11	3/4	4,413.07	3/4		3/4		3/4		3/4		3/4	
7	3,649.89	7	3,843.46	7	4,037.03	7	4,230.13	7	4,415.65	7		7		7		7		7	
1/4	3,653.93	1/4	3,847.50	1/4	4,041.07	1/4	4,234.15	1/4	4,416.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,657.96	1/2	3,851.53	1/2	4,045.10	1/2	4,238.16	1/2	4,418.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,661.99	3/4	3,855.56	3/4	4,049.13	3/4	4,242.18	3/4	4,419.64	3/4		3/4		3/4		3/4		3/4	
8	3,666.02	8	3,859.59	8	4,053.16	8	4,246.20	8	4,420.98	8		8		8		8		8	
1/4	3,670.06	1/4	3,863.63	1/4	4,057.20	1/4	4,250.22	1/4	4,421.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,674.09	1/2	3,867.66	1/2	4,061.23	1/2	4,254.24	1/2	4,421.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.12	3/4	3,871.69	3/4	4,065.26	3/4	4,258.26	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,682.16	9	3,875.73	9	4,069.29	9	4,262.27	9		9		9		9		9		9	
1/4	3,686.19	1/4	3,879.76	1/4	4,073.33	1/4	4,266.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,690.22	1/2	3,883.79	1/2	4,077.36	1/2	4,270.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,694.25	3/4	3,887.82	3/4	4,081.39	3/4	4,274.33	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,698.29	10	3,891.86	10	4,085.43	10	4,278.35	10		10		10		10		10		10	
1/4	3,702.32	1/4	3,895.89	1/4	4,089.46	1/4	4,282.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,706.35	1/2	3,899.92	1/2	4,093.49	1/2	4,286.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,710.38	3/4	3,903.95	3/4	4,097.52	3/4	4,290.40	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,714.42	11	3,907.99	11	4,101.55	11	4,294.42	11		11		11		11		11		11	
1/4	3,718.45	1/4	3,912.02	1/4	4,105.57	1/4	4,298.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,722.48	1/2	3,916.05	1/2	4,109.59	1/2	4,302.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,726.52	3/4	3,920.09	3/4	4,113.60	3/4	4,306.46	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
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