



BARGE "HBC 303"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 253'-09"

April 23, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 303"

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	0	4,954.63	0	4,609.19	0	4,248.22	0	3,885.43	0	3,522.63	0	3,159.84	0	2,797.05	0	2,434.18		
1/4	1/4	1/4	4,947.62	1/4	4,601.80	1/4	4,240.66	1/4	3,877.87	1/4	3,515.07	1/4	3,152.28	1/4	2,789.49	1/4	2,426.62		
1/2	1/2	1/2	5,250.48	1/2	4,940.61	1/2	4,594.40	1/2	4,233.10	1/2	3,870.31	1/2	3,507.52	1/2	3,144.72	1/2	2,781.93	1/2	2,419.06
3/4	3/4	3/4	5,246.14	3/4	4,933.58	3/4	4,586.98	3/4	4,225.54	3/4	3,862.75	3/4	3,499.96	3/4	3,137.16	3/4	2,774.37	3/4	2,411.50
1	1	1	5,241.81	1	4,926.54	1	4,579.56	1	4,217.99	1	3,855.19	1	3,492.40	1	3,129.61	1	2,766.81	1	2,403.94
1/4	1/4	1/4	5,237.47	1/4	4,919.50	1/4	4,572.13	1/4	4,210.43	1/4	3,847.63	1/4	3,484.84	1/4	3,122.05	1/4	2,759.25	1/4	2,396.38
1/2	1/2	1/2	5,233.13	1/2	4,912.47	1/2	4,564.71	1/2	4,202.87	1/2	3,840.08	1/2	3,477.28	1/2	3,114.49	1/2	2,751.70	1/2	2,388.82
3/4	3/4	3/4	5,227.56	3/4	4,905.40	3/4	4,557.25	3/4	4,195.31	3/4	3,832.52	3/4	3,469.72	3/4	3,106.93	3/4	2,744.14	3/4	2,381.26
2	2	2	5,221.99	2	4,898.33	2	4,549.80	2	4,187.75	2	3,824.96	2	3,462.17	2	3,099.37	2	2,736.58	2	2,373.69
1/4	1/4	1/4	5,216.42	1/4	4,891.27	1/4	4,542.35	1/4	4,180.20	1/4	3,817.40	1/4	3,454.61	1/4	3,091.81	1/4	2,729.02	1/4	2,366.13
1/2	1/2	1/2	5,210.85	1/2	4,884.20	1/2	4,534.89	1/2	4,172.64	1/2	3,809.84	1/2	3,447.05	1/2	3,084.26	1/2	2,721.46	1/2	2,358.57
3/4	3/4	3/4	5,204.82	3/4	4,877.11	3/4	4,527.41	3/4	4,165.08	3/4	3,802.29	3/4	3,439.49	3/4	3,076.70	3/4	2,713.90	3/4	2,351.01
3	3	3	5,198.78	3	4,870.01	3	4,519.93	3	4,157.52	3	3,794.73	3	3,431.93	3	3,069.14	3	2,706.35	3	2,343.45
1/4	1/4	1/4	5,192.75	1/4	4,862.91	1/4	4,512.44	1/4	4,149.96	1/4	3,787.17	1/4	3,424.38	1/4	3,061.58	1/4	2,698.79	1/4	2,335.89
1/2	1/2	1/2	5,186.71	1/2	4,855.82	1/2	4,504.96	1/2	4,142.40	1/2	3,779.61	1/2	3,416.82	1/2	3,054.02	1/2	2,691.23	1/2	2,328.33
3/4	3/4	3/4	5,180.05	3/4	4,848.69	3/4	4,497.45	3/4	4,134.85	3/4	3,772.05	3/4	3,409.26	3/4	3,046.47	3/4	2,683.67	3/4	2,320.77
4	4	4	5,173.38	4	4,841.57	4	4,489.93	4	4,127.29	4	3,764.49	4	3,401.70	4	3,038.91	4	2,676.11	4	2,313.21
1/4	1/4	1/4	5,166.72	1/4	4,834.44	1/4	4,482.42	1/4	4,119.73	1/4	3,756.94	1/4	3,394.14	1/4	3,031.35	1/4	2,668.56	1/4	2,305.65
1/2	1/2	1/2	5,160.06	1/2	4,827.31	1/2	4,474.91	1/2	4,112.17	1/2	3,749.38	1/2	3,386.58	1/2	3,023.79	1/2	2,661.00	1/2	2,298.09
3/4	3/4	3/4	5,153.34	3/4	4,820.16	3/4	4,467.36	3/4	4,104.61	3/4	3,741.82	3/4	3,379.03	3/4	3,016.23	3/4	2,653.44	3/4	2,290.52
5	5	5	5,146.62	5	4,813.00	5	4,459.82	5	4,097.06	5	3,734.26	5	3,371.47	5	3,008.67	5	2,645.88	5	2,282.96
1/4	1/4	1/4	5,139.91	1/4	4,805.85	1/4	4,452.28	1/4	4,089.50	1/4	3,726.70	1/4	3,363.91	1/4	3,001.12	1/4	2,638.32	1/4	2,275.40
1/2	1/2	1/2	5,133.19	1/2	4,798.69	1/2	4,444.73	1/2	4,081.94	1/2	3,719.15	1/2	3,356.35	1/2	2,993.56	1/2	2,630.76	1/2	2,267.84
3/4	3/4	3/4	5,126.43	3/4	4,791.51	3/4	4,437.17	3/4	4,074.38	3/4	3,711.59	3/4	3,348.79	3/4	2,986.00	3/4	2,623.20	3/4	2,260.28
6	6	6	5,119.68	6	4,784.32	6	4,429.62	6	4,066.82	6	3,704.03	6	3,341.24	6	2,978.44	6	2,615.64	6	2,252.72
1/4	1/4	1/4	5,112.92	1/4	4,777.13	1/4	4,422.06	1/4	4,059.26	1/4	3,696.47	1/4	3,333.68	1/4	2,970.88	1/4	2,608.08	1/4	2,245.16
1/2	1/2	1/2	5,106.16	1/2	4,769.95	1/2	4,414.50	1/2	4,051.71	1/2	3,688.91	1/2	3,326.12	1/2	2,963.33	1/2	2,600.52	1/2	2,237.60
3/4	3/4	3/4	5,099.37	3/4	4,762.73	3/4	4,406.94	3/4	4,044.15	3/4	3,681.35	3/4	3,318.56	3/4	2,955.77	3/4	2,592.96	3/4	2,230.04
7	7	7	5,092.59	7	4,755.52	7	4,399.38	7	4,036.59	7	3,673.80	7	3,311.00	7	2,948.21	7	2,585.40	7	2,222.48
1/4	1/4	1/4	5,085.80	1/4	4,748.30	1/4	4,391.83	1/4	4,029.03	1/4	3,666.24	1/4	3,303.44	1/4	2,940.65	1/4	2,577.84	1/4	2,214.92
1/2	1/2	1/2	5,079.01	1/2	4,741.09	1/2	4,384.27	1/2	4,021.47	1/2	3,658.68	1/2	3,295.89	1/2	2,933.09	1/2	2,570.28	1/2	2,207.35
3/4	3/4	3/4	5,072.19	3/4	4,733.81	3/4	4,376.71	3/4	4,013.92	3/4	3,651.12	3/4	3,288.33	3/4	2,925.53	3/4	2,562.72	3/4	2,199.79
8	8	8	5,065.38	8	4,726.54	8	4,369.15	8	4,006.36	8	3,643.56	8	3,280.77	8	2,917.98	8	2,555.16	8	2,192.23
1/4	1/4	1/4	5,058.56	1/4	4,719.26	1/4	4,361.59	1/4	3,998.80	1/4	3,636.01	1/4	3,273.21	1/4	2,910.42	1/4	2,547.59	1/4	2,184.67
1/2	1/2	1/2	5,051.74	1/2	4,711.99	1/2	4,354.03	1/2	3,991.24	1/2	3,628.45	1/2	3,265.65	1/2	2,902.86	1/2	2,540.03	1/2	2,177.11
3/4	3/4	3/4	5,044.89	3/4	4,704.68	3/4	4,346.48	3/4	3,983.68	3/4	3,620.89	3/4	3,258.10	3/4	2,895.30	3/4	2,532.47	3/4	2,169.55
9	9	9	5,038.05	9	4,697.38	9	4,338.92	9	3,976.12	9	3,613.33	9	3,250.54	9	2,887.74	9	2,524.91	9	2,161.99
1/4	1/4	1/4	5,031.20	1/4	4,690.08	1/4	4,331.36	1/4	3,968.57	1/4	3,605.77	1/4	3,242.98	1/4	2,880.19	1/4	2,517.35	1/4	2,154.43
1/2	1/2	1/2	5,024.35	1/2	4,682.77	1/2	4,323.80	1/2	3,961.01	1/2	3,598.21	1/2	3,235.42	1/2	2,872.63	1/2	2,509.79	1/2	2,146.87
3/4	3/4	3/4	5,017.40	3/4	4,675.44	3/4	4,316.24	3/4	3,953.45	3/4	3,590.66	3/4	3,227.86	3/4	2,865.07	3/4	2,502.23	3/4	2,139.31
10	10	10	5,010.45	10	4,668.10	10	4,308.69	10	3,945.89	10	3,583.10	10	3,220.30	10	2,857.51	10	2,494.67	10	2,131.75
1/4	1/4	1/4	5,003.50	1/4	4,660.77	1/4	4,301.13	1/4	3,938.33	1/4	3,575.54	1/4	3,212.75	1/4	2,849.95	1/4	2,487.11	1/4	2,124.18
1/2	1/2	1/2	4,996.55	1/2	4,653.44	1/2	4,293.57	1/2	3,930.78	1/2	3,567.98	1/2	3,205.19	1/2	2,842.39	1/2	2,479.55	1/2	2,116.62
3/4	3/4	3/4	4,989.57	3/4	4,646.07	3/4	4,286.01	3/4	3,923.22	3/4	3,560.42	3/4	3,197.63	3/4	2,834.84	3/4	2,471.99	3/4	2,109.06
11	11	11	4,982.60	11	4,638.71	11	4,278.45	11	3,915.66	11	3,552.87	11	3,190.07	11	2,827.28	11	2,464.43	11	2,101.50
1/4	1/4	1/4	4,975.62	1/4	4,631.34	1/4	4,270.89	1/4	3,908.10	1/4	3,545.31	1/4	3,182.51	1/4	2,819.72	1/4	2,456.86	1/4	2,093.94
1/2	1/2	1/2	4,968.64	1/2	4,623.98	1/2	4,263.34	1/2	3,900.54	1/2	3,537.75	1/2	3,174.96	1/2	2,812.16	1/2	2,449.30	1/2	2,086.38
3/4	3/4	3/4	4,961.63	3/4	4,616.58	3/4	4,255.78	3/4	3,892.98	3/4	3,530.19	3/4	3,167.40	3/4	2,804.60	3/4	2,441.74	3/4	2,078.82

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" 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 303"

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	2,071.26	0	1,708.34	0	1,345.41	0	982.90	0	620.06	0	257.15	0		0		0		0	
1/4	2,063.70	1/4	1,700.77	1/4	1,337.85	1/4	975.35	1/4	612.50	1/4	249.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,056.14	1/2	1,693.21	1/2	1,330.29	1/2	967.80	1/2	604.94	1/2	242.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,048.58	3/4	1,685.65	3/4	1,322.73	3/4	960.25	3/4	597.38	3/4	234.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,041.01	1	1,678.09	1	1,315.17	1	952.70	1	589.82	1	226.91	1	1	1	1	1	1	1	1
1/4	2,033.45	1/4	1,670.53	1/4	1,307.61	1/4	945.16	1/4	582.26	1/4	219.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,025.89	1/2	1,662.97	1/2	1,300.05	1/2	937.61	1/2	574.70	1/2	211.79	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,018.33	3/4	1,655.41	3/4	1,292.49	3/4	930.05	3/4	567.14	3/4	204.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,010.77	2	1,647.85	2	1,284.92	2	922.49	2	559.58	2	196.67	2	2	2	2	2	2	2	2
1/4	2,003.21	1/4	1,640.29	1/4	1,277.36	1/4	914.93	1/4	552.02	1/4	189.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,995.65	1/2	1,632.73	1/2	1,269.80	1/2	907.36	1/2	544.46	1/2	181.55	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,988.09	3/4	1,625.17	3/4	1,262.24	3/4	899.80	3/4	536.90	3/4	173.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,980.53	3	1,617.60	3	1,254.68	3	892.24	3	529.33	3	166.43	3	3	3	3	3	3	3	3
1/4	1,972.97	1/4	1,610.04	1/4	1,247.12	1/4	884.68	1/4	521.77	1/4	158.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,965.41	1/2	1,602.48	1/2	1,239.56	1/2	877.12	1/2	514.21	1/2	151.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,957.84	3/4	1,594.92	3/4	1,232.01	3/4	869.56	3/4	506.65	3/4	143.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,950.28	4	1,587.36	4	1,224.46	4	862.00	4	499.09	4	136.21	4	4	4	4	4	4	4	4
1/4	1,942.72	1/4	1,579.80	1/4	1,216.91	1/4	854.44	1/4	491.53	1/4	128.66	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,935.16	1/2	1,572.24	1/2	1,209.36	1/2	846.88	1/2	483.97	1/2	121.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,927.60	3/4	1,564.68	3/4	1,201.82	3/4	839.32	3/4	476.41	3/4	113.58	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,920.04	5	1,557.12	5	1,194.27	5	831.76	5	468.85	5	106.06	5	5	5	5	5	5	5	5
1/4	1,912.48	1/4	1,549.56	1/4	1,186.72	1/4	824.20	1/4	461.29	1/4	98.53	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,904.92	1/2	1,542.00	1/2	1,179.17	1/2	816.64	1/2	453.73	1/2	91.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,897.36	3/4	1,534.43	3/4	1,171.62	3/4	809.08	3/4	446.17	3/4	84.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,889.80	6	1,526.87	6	1,164.07	6	801.52	6	438.61	6	77.15	6	6	6	6	6	6	6	6
1/4	1,882.24	1/4	1,519.31	1/4	1,156.52	1/4	793.96	1/4	431.05	1/4	70.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,874.67	1/2	1,511.75	1/2	1,148.97	1/2	786.40	1/2	423.49	1/2	63.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,867.11	3/4	1,504.19	3/4	1,141.42	3/4	778.83	3/4	415.93	3/4	57.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,859.55	7	1,496.63	7	1,133.88	7	771.27	7	408.37	7	51.96	7	7	7	7	7	7	7	7
1/4	1,851.99	1/4	1,489.07	1/4	1,126.33	1/4	763.71	1/4	400.80	1/4	46.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,844.43	1/2	1,481.51	1/2	1,118.78	1/2	756.15	1/2	393.24	1/2	40.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,836.87	3/4	1,473.95	3/4	1,111.23	3/4	748.59	3/4	385.68	3/4	36.21	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,829.31	8	1,466.39	8	1,103.68	8	741.03	8	378.12	8	31.80	8	8	8	8	8	8	8	8
1/4	1,821.75	1/4	1,458.83	1/4	1,096.13	1/4	733.47	1/4	370.56	1/4	27.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,814.19	1/2	1,451.26	1/2	1,088.58	1/2	725.91	1/2	363.00	1/2	22.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,806.63	3/4	1,443.70	3/4	1,081.03	3/4	718.35	3/4	355.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,799.07	9	1,436.14	9	1,073.49	9	710.79	9	347.88	9		9	9	9	9	9	9	9	9
1/4	1,791.50	1/4	1,428.58	1/4	1,065.94	1/4	703.23	1/4	340.32	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,783.94	1/2	1,421.02	1/2	1,058.39	1/2	695.67	1/2	332.76	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,776.38	3/4	1,413.46	3/4	1,050.84	3/4	688.11	3/4	325.20	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,768.82	10	1,405.90	10	1,043.29	10	680.55	10	317.64	10		10	10	10	10	10	10	10	10
1/4	1,761.26	1/4	1,398.34	1/4	1,035.74	1/4	672.99	1/4	310.08	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,753.70	1/2	1,390.78	1/2	1,028.19	1/2	665.43	1/2	302.52	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,746.14	3/4	1,383.22	3/4	1,020.64	3/4	657.87	3/4	294.96	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,738.58	11	1,375.66	11	1,013.10	11	650.30	11	287.40	11		11	11	11	11	11	11	11	11
1/4	1,731.02	1/4	1,368.09	1/4	1,005.55	1/4	642.74	1/4	279.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,723.46	1/2	1,360.53	1/2	998.00	1/2	635.18	1/2	272.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,715.90	3/4	1,352.97	3/4	990.45	3/4	627.62	3/4	264.71	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: 04/23/2013 SW CL
CALCULATED: 04/23/2013 CL
PRINTED: 04/23/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

PRECISION MEASUREMENT
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BARGE "HBC 303"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
					4,959.73		4,614.69		4,253.88		3,891.09		3,528.29		3,165.50		2,802.71		2,439.85		
1/4	1/4	1/4	1/4	1/4	4,952.73	1/4	4,607.30	1/4	4,246.32	1/4	3,883.53	1/4	3,520.74	1/4	3,157.94	1/4	2,795.15	1/4	2,432.29		
1/2	1/2	1/2	1/2	1/2	4,945.72	1/2	4,599.90	1/2	4,238.77	1/2	3,875.97	1/2	3,513.18	1/2	3,150.38	1/2	2,787.59	1/2	2,424.72		
3/4	3/4	3/4	3/4	3/4	5,248.58	3/4	4,938.72	3/4	4,592.51	3/4	4,231.21	3/4	3,868.41	3/4	3,505.62	3/4	3,142.83	3/4	2,780.03	3/4	2,417.16
1	1	1	1	1	5,244.24	1	4,931.68	1	4,585.08	1	4,223.65	1	3,860.86	1	3,498.06	1	3,135.27	1	2,772.47	1	2,409.60
1/4	1/4	1/4	1/4	1/4	5,239.91	1/4	4,924.64	1/4	4,577.66	1/4	4,216.09	1/4	3,853.30	1/4	3,490.50	1/4	3,127.71	1/4	2,764.92	1/4	2,402.04
1/2	1/2	1/2	1/2	1/2	5,235.57	1/2	4,917.61	1/2	4,570.24	1/2	4,208.53	1/2	3,845.74	1/2	3,482.95	1/2	3,120.15	1/2	2,757.36	1/2	2,394.48
3/4	3/4	3/4	3/4	3/4	5,231.23	3/4	4,910.57	3/4	4,562.81	3/4	4,200.97	3/4	3,838.18	3/4	3,475.39	3/4	3,112.59	3/4	2,749.80	3/4	2,386.92
2	2	2	2	2	5,225.66	2	4,903.50	2	4,555.36	2	4,193.42	2	3,830.62	2	3,467.83	2	3,105.04	2	2,742.24	2	2,379.36
1/4	1/4	1/4	1/4	1/4	5,220.09	1/4	4,896.44	1/4	4,547.91	1/4	4,185.86	1/4	3,823.06	1/4	3,460.27	1/4	3,097.48	1/4	2,734.68	1/4	2,371.80
1/2	1/2	1/2	1/2	1/2	5,214.52	1/2	4,889.37	1/2	4,540.45	1/2	4,178.30	1/2	3,815.51	1/2	3,452.71	1/2	3,089.92	1/2	2,727.13	1/2	2,364.24
3/4	3/4	3/4	3/4	3/4	5,208.96	3/4	4,882.31	3/4	4,533.00	3/4	4,170.74	3/4	3,807.95	3/4	3,445.15	3/4	3,082.36	3/4	2,719.57	3/4	2,356.68
3	3	3	3	3	5,202.92	3	4,875.21	3	4,525.51	3	4,163.18	3	3,800.39	3	3,437.60	3	3,074.80	3	2,712.01	3	2,349.12
1/4	1/4	1/4	1/4	1/4	5,196.88	1/4	4,868.11	1/4	4,518.03	1/4	4,155.63	1/4	3,792.83	1/4	3,430.04	1/4	3,067.24	1/4	2,704.45	1/4	2,341.55
1/2	1/2	1/2	1/2	1/2	5,190.85	1/2	4,861.02	1/2	4,510.55	1/2	4,148.07	1/2	3,785.27	1/2	3,422.48	1/2	3,059.69	1/2	2,696.89	1/2	2,333.99
3/4	3/4	3/4	3/4	3/4	5,184.81	3/4	4,853.92	3/4	4,503.06	3/4	4,140.51	3/4	3,777.72	3/4	3,414.92	3/4	3,052.13	3/4	2,689.33	3/4	2,326.43
4	4	4	4	4	5,178.15	4	4,846.80	4	4,495.55	4	4,132.95	4	3,770.16	4	3,407.36	4	3,044.57	4	2,681.78	4	2,318.87
1/4	1/4	1/4	1/4	1/4	5,171.49	1/4	4,839.67	1/4	4,488.04	1/4	4,125.39	1/4	3,762.60	1/4	3,399.81	1/4	3,037.01	1/4	2,674.22	1/4	2,311.31
1/2	1/2	1/2	1/2	1/2	5,164.82	1/2	4,832.54	1/2	4,480.52	1/2	4,117.83	1/2	3,755.04	1/2	3,392.25	1/2	3,029.45	1/2	2,666.66	1/2	2,303.75
3/4	3/4	3/4	3/4	3/4	5,158.16	3/4	4,825.42	3/4	4,473.01	3/4	4,110.28	3/4	3,747.48	3/4	3,384.69	3/4	3,021.90	3/4	2,659.10	3/4	2,296.19
5	5	5	5	5	5,151.44	5	4,818.26	5	4,465.47	5	4,102.72	5	3,739.92	5	3,377.13	5	3,014.34	5	2,651.54	5	2,288.63
1/4	1/4	1/4	1/4	1/4	5,144.73	1/4	4,811.11	1/4	4,457.92	1/4	4,095.16	1/4	3,732.37	1/4	3,369.57	1/4	3,006.78	1/4	2,643.99	1/4	2,281.07
1/2	1/2	1/2	1/2	1/2	5,138.01	1/2	4,803.95	1/2	4,450.38	1/2	4,087.60	1/2	3,724.81	1/2	3,362.01	1/2	2,999.22	1/2	2,636.43	1/2	2,273.51
3/4	3/4	3/4	3/4	3/4	5,131.29	3/4	4,796.80	3/4	4,442.84	3/4	4,080.04	3/4	3,717.25	3/4	3,354.46	3/4	2,991.66	3/4	2,628.87	3/4	2,265.95
6	6	6	6	6	5,124.53	6	4,789.61	6	4,435.28	6	4,072.49	6	3,709.69	6	3,346.90	6	2,984.10	6	2,621.31	6	2,258.39
1/4	1/4	1/4	1/4	1/4	5,117.78	1/4	4,782.42	1/4	4,427.72	1/4	4,064.93	1/4	3,702.13	1/4	3,339.34	1/4	2,976.55	1/4	2,613.75	1/4	2,250.82
1/2	1/2	1/2	1/2	1/2	5,111.02	1/2	4,775.24	1/2	4,420.16	1/2	4,057.37	1/2	3,694.58	1/2	3,331.78	1/2	2,968.99	1/2	2,606.19	1/2	2,243.26
3/4	3/4	3/4	3/4	3/4	5,104.26	3/4	4,768.05	3/4	4,412.60	3/4	4,049.81	3/4	3,687.02	3/4	3,324.22	3/4	2,961.43	3/4	2,598.63	3/4	2,235.70
7	7	7	7	7	5,097.48	7	4,760.84	7	4,405.05	7	4,042.25	7	3,679.46	7	3,316.67	7	2,953.87	7	2,591.06	7	2,228.14
1/4	1/4	1/4	1/4	1/4	5,090.69	1/4	4,753.62	1/4	4,397.49	1/4	4,034.69	1/4	3,671.90	1/4	3,309.11	1/4	2,946.31	1/4	2,583.50	1/4	2,220.58
1/2	1/2	1/2	1/2	1/2	5,083.90	1/2	4,746.41	1/2	4,389.93	1/2	4,027.14	1/2	3,664.34	1/2	3,301.55	1/2	2,938.76	1/2	2,575.94	1/2	2,213.02
3/4	3/4	3/4	3/4	3/4	5,077.11	3/4	4,739.19	3/4	4,382.37	3/4	4,019.58	3/4	3,656.78	3/4	3,293.99	3/4	2,931.20	3/4	2,568.38	3/4	2,205.46
8	8	8	8	8	5,070.30	8	4,731.92	8	4,374.81	8	4,012.02	8	3,649.23	8	3,286.43	8	2,923.64	8	2,560.82	8	2,197.90
1/4	1/4	1/4	1/4	1/4	5,063.48	1/4	4,724.64	1/4	4,367.26	1/4	4,004.46	1/4	3,641.67	1/4	3,278.87	1/4	2,916.08	1/4	2,553.26	1/4	2,190.34
1/2	1/2	1/2	1/2	1/2	5,056.66	1/2	4,717.37	1/2	4,359.70	1/2	3,996.90	1/2	3,634.11	1/2	3,271.32	1/2	2,908.52	1/2	2,545.70	1/2	2,182.78
3/4	3/4	3/4	3/4	3/4	5,049.84	3/4	4,710.09	3/4	4,352.14	3/4	3,989.35	3/4	3,626.55	3/4	3,263.76	3/4	2,900.96	3/4	2,538.14	3/4	2,175.22
9	9	9	9	9	5,043.00	9	4,702.79	9	4,344.58	9	3,981.79	9	3,618.99	9	3,256.20	9	2,893.41	9	2,530.58	9	2,167.65
1/4	1/4	1/4	1/4	1/4	5,036.15	1/4	4,695.48	1/4	4,337.02	1/4	3,974.23	1/4	3,611.44	1/4	3,248.64	1/4	2,885.85	1/4	2,523.02	1/4	2,160.09
1/2	1/2	1/2	1/2	1/2	5,029.30	1/2	4,688.18	1/2	4,329.46	1/2	3,966.67	1/2	3,603.88	1/2	3,241.08	1/2	2,878.29	1/2	2,515.46	1/2	2,152.53
3/4	3/4	3/4	3/4	3/4	5,022.45	3/4	4,680.88	3/4	4,321.91	3/4	3,959.11	3/4	3,596.32	3/4	3,233.53	3/4	2,870.73	3/4	2,507.89	3/4	2,144.97
10	10	10	10	10	5,015.50	10	4,673.54	10	4,314.35	10	3,951.55	10	3,588.76	10	3,225.97	10	2,863.17	10	2,500.33	10	2,137.41
1/4	1/4	1/4	1/4	1/4	5,008.56	1/4	4,666.21	1/4	4,306.79	1/4	3,944.00	1/4	3,581.20	1/4	3,218.41	1/4	2,855.62	1/4	2,492.77	1/4	2,129.85
1/2	1/2	1/2	1/2	1/2	5,001.61	1/2	4,658.87	1/2	4,299.23	1/2	3,936.44	1/2	3,573.64	1/2	3,210.85	1/2	2,848.06	1/2	2,485.21	1/2	2,122.29
3/4	3/4	3/4	3/4	3/4	4,994.66	3/4	4,651.54	3/4	4,291.67	3/4	3,928.88	3/4	3,566.09	3/4	3,203.29	3/4	2,840.50	3/4	2,477.65	3/4	2,114.73
11	11	11	11	11	4,987.68	11	4,644.18	11	4,284.11	11	3,921.32	11	3,558.53	11	3,195.73	11	2,832.94	11	2,470.09	11	2,107.17
1/4	1/4	1/4	1/4	1/4	4,980.70	1/4	4,636.81	1/4	4,276.56	1/4	3,913.76	1/4	3,550.97	1/4	3,188.18	1/4	2,825.38	1/4	2,462.53	1/4	2,099.61
1/2	1/2	1/2	1/2	1/2	4,973.72	1/2	4,629.45	1/2	4,269.00	1/2	3,906.20	1/2	3,543.41	1/2	3,180.62	1/2	2,817.82	1/2	2,454.97	1/2	2,092.05
3/4	3/4	3/4	3/4	3/4	4,966.74	3/4	4,622.08	3/4	4,261.44	3/4	3,898.65	3/4	3,535.85	3/4	3,173.06	3/4	2,810.27	3/4	2,447.41	3/4	2,084.48

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" 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 303"

1 STBD ULLAGE 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	2,076.92	0	1,714.00	0	1,351.08	0	990.02	0	627.63	0	264.72	0		0		0		0	
1/4	2,069.36	1/4	1,706.44	1/4	1,343.52	1/4	982.51	1/4	620.07	1/4	257.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,061.80	1/2	1,698.88	1/2	1,335.96	1/2	975.00	1/2	612.51	1/2	249.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,054.24	3/4	1,691.32	3/4	1,328.39	3/4	967.50	3/4	604.95	3/4	242.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,046.68	1	1,683.76	1	1,320.83	1	959.99	1	597.39	1	234.48	1	1	1	1	1	1	1	1
1/4	2,039.12	1/4	1,676.20	1/4	1,313.27	1/4	952.48	1/4	589.82	1/4	226.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,031.56	1/2	1,668.63	1/2	1,305.71	1/2	944.97	1/2	582.26	1/2	219.36	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,024.00	3/4	1,661.07	3/4	1,298.15	3/4	937.46	3/4	574.70	3/4	211.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,016.44	2	1,653.51	2	1,290.59	2	929.94	2	567.14	2	204.23	2	2	2	2	2	2	2	2
1/4	2,008.88	1/4	1,645.95	1/4	1,283.03	1/4	922.41	1/4	559.58	1/4	196.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,001.31	1/2	1,638.39	1/2	1,275.47	1/2	914.89	1/2	552.02	1/2	189.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,993.75	3/4	1,630.83	3/4	1,267.91	3/4	907.37	3/4	544.46	3/4	181.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,986.19	3	1,623.27	3	1,260.39	3	899.81	3	536.90	3	173.99	3	3	3	3	3	3	3	3
1/4	1,978.63	1/4	1,615.71	1/4	1,252.87	1/4	892.25	1/4	529.34	1/4	166.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,971.07	1/2	1,608.15	1/2	1,245.34	1/2	884.69	1/2	521.78	1/2	158.87	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,963.51	3/4	1,600.59	3/4	1,237.82	3/4	877.13	3/4	514.22	3/4	151.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,955.95	4	1,593.03	4	1,230.31	4	869.57	4	506.66	4	143.76	4	4	4	4	4	4	4	4
1/4	1,948.39	1/4	1,585.47	1/4	1,222.80	1/4	862.01	1/4	499.10	1/4	136.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,940.83	1/2	1,577.90	1/2	1,215.30	1/2	854.45	1/2	491.54	1/2	128.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,933.27	3/4	1,570.34	3/4	1,207.79	3/4	846.89	3/4	483.98	3/4	121.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,925.71	5	1,562.78	5	1,200.28	5	839.32	5	476.42	5	113.59	5	5	5	5	5	5	5	5
1/4	1,918.14	1/4	1,555.22	1/4	1,192.77	1/4	831.76	1/4	468.86	1/4	106.06	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,910.58	1/2	1,547.66	1/2	1,185.26	1/2	824.20	1/2	461.29	1/2	98.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,903.02	3/4	1,540.10	3/4	1,177.75	3/4	816.64	3/4	453.73	3/4	91.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,895.46	6	1,532.54	6	1,170.24	6	809.08	6	446.17	6	84.09	6	6	6	6	6	6	6	6
1/4	1,887.90	1/4	1,524.98	1/4	1,162.73	1/4	801.52	1/4	438.61	1/4	77.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,880.34	1/2	1,517.42	1/2	1,155.22	1/2	793.96	1/2	431.05	1/2	70.23	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,872.78	3/4	1,509.86	3/4	1,147.71	3/4	786.40	3/4	423.49	3/4	63.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,865.22	7	1,502.30	7	1,140.20	7	778.84	7	415.93	7	57.63	7	7	7	7	7	7	7	7
1/4	1,857.66	1/4	1,494.73	1/4	1,132.70	1/4	771.28	1/4	408.37	1/4	51.96	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,850.10	1/2	1,487.17	1/2	1,125.19	1/2	763.72	1/2	400.81	1/2	46.29	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,842.54	3/4	1,479.61	3/4	1,117.68	3/4	756.16	3/4	393.25	3/4	40.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,834.97	8	1,472.05	8	1,110.17	8	748.60	8	385.69	8	36.21	8	8	8	8	8	8	8	8
1/4	1,827.41	1/4	1,464.49	1/4	1,102.66	1/4	741.04	1/4	378.13	1/4	31.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,819.85	1/2	1,456.93	1/2	1,095.15	1/2	733.48	1/2	370.57	1/2	27.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,812.29	3/4	1,449.37	3/4	1,087.64	3/4	725.92	3/4	363.01	3/4	22.98	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,804.73	9	1,441.81	9	1,080.13	9	718.35	9	355.45	9		9	9	9	9	9	9	9	9
1/4	1,797.17	1/4	1,434.25	1/4	1,072.62	1/4	710.79	1/4	347.89	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,789.61	1/2	1,426.69	1/2	1,065.11	1/2	703.23	1/2	340.32	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,782.05	3/4	1,419.13	3/4	1,057.60	3/4	695.67	3/4	332.76	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,774.49	10	1,411.56	10	1,050.10	10	688.11	10	325.20	10		10	10	10	10	10	10	10	10
1/4	1,766.93	1/4	1,404.00	1/4	1,042.59	1/4	680.55	1/4	317.64	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,759.37	1/2	1,396.44	1/2	1,035.08	1/2	672.99	1/2	310.08	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,751.80	3/4	1,388.88	3/4	1,027.57	3/4	665.43	3/4	302.52	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,744.24	11	1,381.32	11	1,020.06	11	657.87	11	294.96	11		11	11	11	11	11	11	11	11
1/4	1,736.68	1/4	1,373.76	1/4	1,012.55	1/4	650.31	1/4	287.40	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,729.12	1/2	1,366.20	1/2	1,005.04	1/2	642.75	1/2	279.84	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,721.56	3/4	1,358.64	3/4	997.53	3/4	635.19	3/4	272.28	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: 04/23/2013 SW CL
CALCULATED: 04/23/2013 CL
PRINTED: 04/23/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

PRECISION MEASUREMENT
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BARGE "HBC 303"

2 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	5,227.17	0	4,918.70	0	4,574.04	0	4,214.34	0	3,853.16	0	3,491.97	0	3,130.79	0	2,769.60	0	2,408.34
1/4		1/4	5,222.85	1/4	4,911.70	1/4	4,566.65	1/4	4,206.82	1/4	3,845.63	1/4	3,484.45	1/4	3,123.26	1/4	2,762.08	1/4	2,400.81
1/2		1/2	5,218.53	1/2	4,904.69	1/2	4,559.26	1/2	4,199.29	1/2	3,838.11	1/2	3,476.92	1/2	3,115.74	1/2	2,754.55	1/2	2,393.29
3/4		3/4	5,214.22	3/4	4,897.69	3/4	4,551.87	3/4	4,191.77	3/4	3,830.58	3/4	3,469.40	3/4	3,108.21	3/4	2,747.03	3/4	2,385.76
1		1	5,209.90	1	4,890.68	1	4,544.48	1	4,184.24	1	3,823.06	1	3,461.87	1	3,100.69	1	2,739.50	1	2,378.23
1/4		1/4	5,204.35	1/4	4,883.65	1/4	4,537.06	1/4	4,176.72	1/4	3,815.53	1/4	3,454.35	1/4	3,093.16	1/4	2,731.98	1/4	2,370.70
1/2		1/2	5,198.81	1/2	4,876.61	1/2	4,529.64	1/2	4,169.20	1/2	3,808.01	1/2	3,446.82	1/2	3,085.64	1/2	2,724.45	1/2	2,363.18
3/4		3/4	5,193.27	3/4	4,869.58	3/4	4,522.21	3/4	4,161.67	3/4	3,800.49	3/4	3,439.30	3/4	3,078.11	3/4	2,716.93	3/4	2,355.65
2		2	5,187.72	2	4,862.54	2	4,514.79	2	4,154.15	2	3,792.96	2	3,431.77	2	3,070.59	2	2,709.40	2	2,348.12
1/4		1/4	5,181.71	1/4	4,855.48	1/4	4,507.34	1/4	4,146.62	1/4	3,785.44	1/4	3,424.25	1/4	3,063.06	1/4	2,701.88	1/4	2,340.59
1/2		1/2	5,175.70	1/2	4,848.42	1/2	4,499.89	1/2	4,139.10	1/2	3,777.91	1/2	3,416.73	1/2	3,055.54	1/2	2,694.35	1/2	2,333.07
3/4		3/4	5,169.70	3/4	4,841.35	3/4	4,492.44	3/4	4,131.57	3/4	3,770.39	3/4	3,409.20	3/4	3,048.02	3/4	2,686.83	3/4	2,325.54
3		3	5,163.69	3	4,834.29	3	4,484.99	3	4,124.05	3	3,762.86	3	3,401.68	3	3,040.49	3	2,679.30	3	2,318.01
1/4		1/4	5,157.06	1/4	4,827.19	1/4	4,477.51	1/4	4,116.52	1/4	3,755.34	1/4	3,394.15	1/4	3,032.97	1/4	2,671.78	1/4	2,310.48
1/2		1/2	5,150.42	1/2	4,820.10	1/2	4,470.03	1/2	4,109.00	1/2	3,747.81	1/2	3,386.63	1/2	3,025.44	1/2	2,664.26	1/2	2,302.96
3/4		3/4	5,143.79	3/4	4,813.01	3/4	4,462.55	3/4	4,101.47	3/4	3,740.29	3/4	3,379.10	3/4	3,017.92	3/4	2,656.73	3/4	2,295.43
4		4	5,137.16	4	4,805.91	4	4,455.07	4	4,093.95	4	3,732.76	4	3,371.58	4	3,010.39	4	2,649.21	4	2,287.90
1/4		1/4	5,130.47	1/4	4,798.79	1/4	4,447.56	1/4	4,086.42	1/4	3,725.24	1/4	3,364.05	1/4	3,002.87	1/4	2,641.68	1/4	2,280.37
1/2		1/2	5,123.78	1/2	4,791.66	1/2	4,440.05	1/2	4,078.90	1/2	3,717.71	1/2	3,356.53	1/2	2,995.34	1/2	2,634.16	1/2	2,272.85
3/4		3/4	5,117.10	3/4	4,784.54	3/4	4,432.54	3/4	4,071.37	3/4	3,710.19	3/4	3,349.00	3/4	2,987.82	3/4	2,626.63	3/4	2,265.32
5		5	5,110.41	5	4,777.42	5	4,425.04	5	4,063.85	5	3,702.66	5	3,341.48	5	2,980.29	5	2,619.11	5	2,257.79
1/4		1/4	5,103.68	1/4	4,770.26	1/4	4,417.51	1/4	4,056.32	1/4	3,695.14	1/4	3,333.95	1/4	2,972.77	1/4	2,611.58	1/4	2,250.26
1/2		1/2	5,096.96	1/2	4,763.11	1/2	4,409.99	1/2	4,048.80	1/2	3,687.61	1/2	3,326.43	1/2	2,965.24	1/2	2,604.05	1/2	2,242.74
3/4		3/4	5,090.23	3/4	4,755.96	3/4	4,402.46	3/4	4,041.28	3/4	3,680.09	3/4	3,318.90	3/4	2,957.72	3/4	2,596.53	3/4	2,235.21
6		6	5,083.51	6	4,748.80	6	4,394.94	6	4,033.75	6	3,672.57	6	3,311.38	6	2,950.19	6	2,589.00	6	2,227.68
1/4		1/4	5,076.75	1/4	4,741.62	1/4	4,387.41	1/4	4,026.23	1/4	3,665.04	1/4	3,303.85	1/4	2,942.67	1/4	2,581.47	1/4	2,220.16
1/2		1/2	5,069.99	1/2	4,734.44	1/2	4,379.89	1/2	4,018.70	1/2	3,657.52	1/2	3,296.33	1/2	2,935.14	1/2	2,573.94	1/2	2,212.63
3/4		3/4	5,063.23	3/4	4,727.25	3/4	4,372.36	3/4	4,011.18	3/4	3,649.99	3/4	3,288.81	3/4	2,927.62	3/4	2,566.42	3/4	2,205.10
7		7	5,056.48	7	4,720.07	7	4,364.84	7	4,003.65	7	3,642.47	7	3,281.28	7	2,920.10	7	2,558.89	7	2,197.57
1/4		1/4	5,049.69	1/4	4,712.83	1/4	4,357.31	1/4	3,996.13	1/4	3,634.94	1/4	3,273.76	1/4	2,912.57	1/4	2,551.36	1/4	2,190.05
1/2		1/2	5,042.90	1/2	4,705.59	1/2	4,349.79	1/2	3,988.60	1/2	3,627.42	1/2	3,266.23	1/2	2,905.05	1/2	2,543.83	1/2	2,182.52
3/4		3/4	5,036.12	3/4	4,698.34	3/4	4,342.26	3/4	3,981.08	3/4	3,619.89	3/4	3,258.71	3/4	2,897.52	3/4	2,536.31	3/4	2,174.99
8		8	5,029.33	8	4,691.10	8	4,334.74	8	3,973.55	8	3,612.37	8	3,251.18	8	2,890.00	8	2,528.78	8	2,167.46
1/4		1/4	5,022.51	1/4	4,683.83	1/4	4,327.21	1/4	3,966.03	1/4	3,604.84	1/4	3,243.66	1/4	2,882.47	1/4	2,521.25	1/4	2,159.94
1/2		1/2	5,015.70	1/2	4,676.56	1/2	4,319.69	1/2	3,958.50	1/2	3,597.32	1/2	3,236.13	1/2	2,874.95	1/2	2,513.72	1/2	2,152.41
3/4		3/4	5,008.88	3/4	4,669.29	3/4	4,312.16	3/4	3,950.98	3/4	3,589.79	3/4	3,228.61	3/4	2,867.42	3/4	2,506.20	3/4	2,144.88
9		9	5,002.06	9	4,662.02	9	4,304.64	9	3,943.45	9	3,582.27	9	3,221.08	9	2,859.90	9	2,498.67	9	2,137.35
1/4		1/4	4,995.15	1/4	4,654.71	1/4	4,297.12	1/4	3,935.93	1/4	3,574.74	1/4	3,213.56	1/4	2,852.37	1/4	2,491.14	1/4	2,129.83
1/2		1/2	4,988.23	1/2	4,647.41	1/2	4,289.59	1/2	3,928.40	1/2	3,567.22	1/2	3,206.03	1/2	2,844.85	1/2	2,483.61	1/2	2,122.30
3/4		3/4	4,981.31	3/4	4,640.11	3/4	4,282.07	3/4	3,920.88	3/4	3,559.69	3/4	3,198.51	3/4	2,837.32	3/4	2,476.09	3/4	2,114.77
10		10	4,974.39	10	4,632.81	10	4,274.54	10	3,913.36	10	3,552.17	10	3,190.98	10	2,829.80	10	2,468.56	10	2,107.24
1/4		1/4	4,967.44	1/4	4,625.48	1/4	4,267.02	1/4	3,905.83	1/4	3,544.65	1/4	3,183.46	1/4	2,822.27	1/4	2,461.03	1/4	2,099.72
1/2		1/2	4,960.50	1/2	4,618.15	1/2	4,259.49	1/2	3,898.31	1/2	3,537.12	1/2	3,175.94	1/2	2,814.75	1/2	2,453.50	1/2	2,092.19
3/4		3/4	4,953.55	3/4	4,610.82	3/4	4,251.97	3/4	3,890.78	3/4	3,529.60	3/4	3,168.41	3/4	2,807.22	3/4	2,445.98	3/4	2,084.66
11		11	4,946.60	11	4,603.48	11	4,244.44	11	3,883.26	11	3,522.07	11	3,160.89	11	2,799.70	11	2,438.45	11	2,077.13
1/4		1/4	4,939.63	1/4	4,596.12	1/4	4,236.92	1/4	3,875.73	1/4	3,514.55	1/4	3,153.36	1/4	2,792.18	1/4	2,430.92	1/4	2,069.61
1/2		1/2	4,932.65	1/2	4,588.76	1/2	4,229.39	1/2	3,868.21	1/2	3,507.02	1/2	3,145.84	1/2	2,784.65	1/2	2,423.39	1/2	2,062.08
3/4		3/4	4,925.68	3/4	4,581.40	3/4	4,221.87	3/4	3,860.68	3/4	3,499.50	3/4	3,138.31	3/4	2,777.13	3/4	2,415.87	3/4	2,054.55

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 INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 303"

2 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	2,047.02	0	1,685.71	0	1,324.39	0	963.52	0	602.27	0	240.96	0		0		0		0	
1/4	2,039.50	1/4	1,678.18	1/4	1,316.87	1/4	956.00	1/4	594.74	1/4	233.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,031.97	1/2	1,670.65	1/2	1,309.34	1/2	948.49	1/2	587.21	1/2	225.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,024.44	3/4	1,663.13	3/4	1,301.81	3/4	940.97	3/4	579.68	3/4	218.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,016.92	1	1,655.60	1	1,294.28	1	933.46	1	572.16	1	210.86	1	1	1	1	1	1	1	1
1/4	2,009.39	1/4	1,648.07	1/4	1,286.76	1/4	925.93	1/4	564.63	1/4	203.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,001.86	1/2	1,640.55	1/2	1,279.23	1/2	918.40	1/2	557.10	1/2	195.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,994.33	3/4	1,633.02	3/4	1,271.70	3/4	910.88	3/4	549.58	3/4	188.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,986.81	2	1,625.49	2	1,264.18	2	903.35	2	542.05	2	180.75	2	2	2	2	2	2	2	2
1/4	1,979.28	1/4	1,617.96	1/4	1,256.65	1/4	895.82	1/4	534.52	1/4	173.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,971.75	1/2	1,610.44	1/2	1,249.12	1/2	888.30	1/2	526.99	1/2	165.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,964.22	3/4	1,602.91	3/4	1,241.59	3/4	880.77	3/4	519.47	3/4	158.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,956.70	3	1,595.38	3	1,234.07	3	873.24	3	511.94	3	150.64	3	3	3	3	3	3	3	3
1/4	1,949.17	1/4	1,587.85	1/4	1,226.55	1/4	865.71	1/4	504.41	1/4	143.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,941.64	1/2	1,580.33	1/2	1,219.04	1/2	858.19	1/2	496.89	1/2	135.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,934.11	3/4	1,572.80	3/4	1,211.52	3/4	850.66	3/4	489.36	3/4	128.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,926.59	4	1,565.27	4	1,204.00	4	843.13	4	481.83	4	120.58	4	4	4	4	4	4	4	4
1/4	1,919.06	1/4	1,557.74	1/4	1,196.49	1/4	835.61	1/4	474.30	1/4	113.09	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,911.53	1/2	1,550.22	1/2	1,188.97	1/2	828.08	1/2	466.78	1/2	105.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,904.00	3/4	1,542.69	3/4	1,181.46	3/4	820.55	3/4	459.25	3/4	98.10	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,896.48	5	1,535.16	5	1,173.94	5	813.02	5	451.72	5	90.61	5	5	5	5	5	5	5	5
1/4	1,888.95	1/4	1,527.63	1/4	1,166.43	1/4	805.50	1/4	444.20	1/4	83.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,881.42	1/2	1,520.11	1/2	1,158.91	1/2	797.97	1/2	436.67	1/2	76.82	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,873.89	3/4	1,512.58	3/4	1,151.40	3/4	790.44	3/4	429.14	3/4	69.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,866.37	6	1,505.05	6	1,143.88	6	782.92	6	421.61	6	63.02	6	6	6	6	6	6	6	6
1/4	1,858.84	1/4	1,497.52	1/4	1,136.37	1/4	775.39	1/4	414.09	1/4	57.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,851.31	1/2	1,490.00	1/2	1,128.85	1/2	767.86	1/2	406.56	1/2	51.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,843.79	3/4	1,482.47	3/4	1,121.34	3/4	760.33	3/4	399.03	3/4	46.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,836.26	7	1,474.94	7	1,113.82	7	752.81	7	391.51	7	40.44	7	7	7	7	7	7	7	7
1/4	1,828.73	1/4	1,467.42	1/4	1,106.31	1/4	745.28	1/4	383.98	1/4	36.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,821.20	1/2	1,459.89	1/2	1,098.79	1/2	737.75	1/2	376.45	1/2	31.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,813.68	3/4	1,452.36	3/4	1,091.28	3/4	730.23	3/4	368.93	3/4	27.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,806.15	8	1,444.83	8	1,083.76	8	722.70	8	361.40	8	22.88	8	8	8	8	8	8	8	8
1/4	1,798.62	1/4	1,437.31	1/4	1,076.25	1/4	715.17	1/4	353.87	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,791.09	1/2	1,429.78	1/2	1,068.73	1/2	707.64	1/2	346.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,783.57	3/4	1,422.25	3/4	1,061.22	3/4	700.12	3/4	338.82	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,776.04	9	1,414.72	9	1,053.70	9	692.59	9	331.29	9		9	9	9	9	9	9	9	9
1/4	1,768.51	1/4	1,407.20	1/4	1,046.19	1/4	685.06	1/4	323.76	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,760.98	1/2	1,399.67	1/2	1,038.67	1/2	677.54	1/2	316.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,753.46	3/4	1,392.14	3/4	1,031.16	3/4	670.01	3/4	308.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,745.93	10	1,384.61	10	1,023.64	10	662.48	10	301.18	10		10	10	10	10	10	10	10	10
1/4	1,738.40	1/4	1,377.09	1/4	1,016.12	1/4	654.95	1/4	293.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,730.87	1/2	1,369.56	1/2	1,008.61	1/2	647.43	1/2	286.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,723.35	3/4	1,362.03	3/4	1,001.09	3/4	639.90	3/4	278.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,715.82	11	1,354.50	11	993.58	11	632.37	11	271.07	11		11	11	11	11	11	11	11	11
1/4	1,708.29	1/4	1,346.98	1/4	986.06	1/4	624.85	1/4	263.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,700.76	1/2	1,339.45	1/2	978.55	1/2	617.32	1/2	256.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,693.24	3/4	1,331.92	3/4	971.03	3/4	609.79	3/4	248.49	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: 04/23/2013 SW CL
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BARGE "HBC 303"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	0		5,211.29		4,902.82		4,558.16		4,198.46		3,837.28		3,476.09		3,114.90		2,753.72		2,392.46
1/4	1/4	1/4	5,206.97	1/4	4,895.81	1/4	4,550.77	1/4	4,190.94	1/4	3,829.75	1/4	3,468.57	1/4	3,107.38	1/4	2,746.19	1/4	2,384.93
1/2	1/2	1/2	5,202.65	1/2	4,888.81	1/2	4,543.37	1/2	4,183.41	1/2	3,822.23	1/2	3,461.04	1/2	3,099.86	1/2	2,738.67	1/2	2,377.40
3/4	3/4	3/4	5,198.34	3/4	4,881.80	3/4	4,535.98	3/4	4,175.89	3/4	3,814.70	3/4	3,453.52	3/4	3,092.33	3/4	2,731.14	3/4	2,369.88
1	1	1	5,194.02	1	4,874.80	1	4,528.59	1	4,168.36	1	3,807.18	1	3,445.99	1	3,084.81	1	2,723.62	1	2,362.35
1/4	1/4	1/4	5,188.47	1/4	4,867.77	1/4	4,521.17	1/4	4,160.84	1/4	3,799.65	1/4	3,438.47	1/4	3,077.28	1/4	2,716.10	1/4	2,354.82
1/2	1/2	1/2	5,182.93	1/2	4,860.73	1/2	4,513.75	1/2	4,153.31	1/2	3,792.13	1/2	3,430.94	1/2	3,069.76	1/2	2,708.57	1/2	2,347.29
3/4	3/4	3/4	5,177.39	3/4	4,853.70	3/4	4,506.33	3/4	4,145.79	3/4	3,784.60	3/4	3,423.42	3/4	3,062.23	3/4	2,701.05	3/4	2,339.77
2	2	2	5,171.84	2	4,846.66	2	4,498.91	2	4,138.26	2	3,777.08	2	3,415.89	2	3,054.71	2	2,693.52	2	2,332.24
1/4	1/4	1/4	5,165.83	1/4	4,839.60	1/4	4,491.46	1/4	4,130.74	1/4	3,769.55	1/4	3,408.37	1/4	3,047.18	1/4	2,686.00	1/4	2,324.71
1/2	1/2	1/2	5,159.82	1/2	4,832.53	1/2	4,484.01	1/2	4,123.21	1/2	3,762.03	1/2	3,400.84	1/2	3,039.66	1/2	2,678.47	1/2	2,317.18
3/4	3/4	3/4	5,153.82	3/4	4,825.47	3/4	4,476.56	3/4	4,115.69	3/4	3,754.50	3/4	3,393.32	3/4	3,032.13	3/4	2,670.95	3/4	2,309.66
3	3	3	5,147.81	3	4,818.41	3	4,469.11	3	4,108.16	3	3,746.98	3	3,385.79	3	3,024.61	3	2,663.42	3	2,302.13
1/4	1/4	1/4	5,141.17	1/4	4,811.31	1/4	4,461.63	1/4	4,100.64	1/4	3,739.45	1/4	3,378.27	1/4	3,017.08	1/4	2,655.90	1/4	2,294.60
1/2	1/2	1/2	5,134.54	1/2	4,804.22	1/2	4,454.15	1/2	4,093.12	1/2	3,731.93	1/2	3,370.74	1/2	3,009.56	1/2	2,648.37	1/2	2,287.07
3/4	3/4	3/4	5,127.91	3/4	4,797.12	3/4	4,446.67	3/4	4,085.59	3/4	3,724.41	3/4	3,363.22	3/4	3,002.03	3/4	2,640.85	3/4	2,279.55
4	4	4	5,121.28	4	4,790.03	4	4,439.19	4	4,078.07	4	3,716.88	4	3,355.69	4	2,994.51	4	2,633.32	4	2,272.02
1/4	1/4	1/4	5,114.59	1/4	4,782.91	1/4	4,431.68	1/4	4,070.54	1/4	3,709.36	1/4	3,348.17	1/4	2,986.98	1/4	2,625.80	1/4	2,264.49
1/2	1/2	1/2	5,107.90	1/2	4,775.78	1/2	4,424.17	1/2	4,063.02	1/2	3,701.83	1/2	3,340.65	1/2	2,979.46	1/2	2,618.27	1/2	2,256.96
3/4	3/4	3/4	5,101.22	3/4	4,768.66	3/4	4,416.66	3/4	4,055.49	3/4	3,694.31	3/4	3,333.12	3/4	2,971.94	3/4	2,610.75	3/4	2,249.44
5	5	5	5,094.53	5	4,761.53	5	4,409.15	5	4,047.97	5	3,686.78	5	3,325.60	5	2,964.41	5	2,603.22	5	2,241.91
1/4	1/4	1/4	5,087.80	1/4	4,754.38	1/4	4,401.63	1/4	4,040.44	1/4	3,679.26	1/4	3,318.07	1/4	2,956.89	1/4	2,595.70	1/4	2,234.38
1/2	1/2	1/2	5,081.08	1/2	4,747.23	1/2	4,394.10	1/2	4,032.92	1/2	3,671.73	1/2	3,310.55	1/2	2,949.36	1/2	2,588.17	1/2	2,226.85
3/4	3/4	3/4	5,074.35	3/4	4,740.07	3/4	4,386.58	3/4	4,025.39	3/4	3,664.21	3/4	3,303.02	3/4	2,941.84	3/4	2,580.64	3/4	2,219.33
6	6	6	5,067.62	6	4,732.92	6	4,379.05	6	4,017.87	6	3,656.68	6	3,295.50	6	2,934.31	6	2,573.12	6	2,211.80
1/4	1/4	1/4	5,060.87	1/4	4,725.74	1/4	4,371.53	1/4	4,010.34	1/4	3,649.16	1/4	3,287.97	1/4	2,926.79	1/4	2,565.59	1/4	2,204.27
1/2	1/2	1/2	5,054.11	1/2	4,718.55	1/2	4,364.00	1/2	4,002.82	1/2	3,641.63	1/2	3,280.45	1/2	2,919.26	1/2	2,558.06	1/2	2,196.75
3/4	3/4	3/4	5,047.35	3/4	4,711.37	3/4	4,356.48	3/4	3,995.29	3/4	3,634.11	3/4	3,272.92	3/4	2,911.74	3/4	2,550.53	3/4	2,189.22
7	7	7	5,040.60	7	4,704.19	7	4,348.96	7	3,987.77	7	3,626.58	7	3,265.40	7	2,904.21	7	2,543.01	7	2,181.69
1/4	1/4	1/4	5,033.81	1/4	4,696.94	1/4	4,341.43	1/4	3,980.24	1/4	3,619.06	1/4	3,257.87	1/4	2,896.69	1/4	2,535.48	1/4	2,174.16
1/2	1/2	1/2	5,027.02	1/2	4,689.70	1/2	4,333.91	1/2	3,972.72	1/2	3,611.53	1/2	3,250.35	1/2	2,889.16	1/2	2,527.95	1/2	2,166.64
3/4	3/4	3/4	5,020.23	3/4	4,682.46	3/4	4,326.38	3/4	3,965.20	3/4	3,604.01	3/4	3,242.82	3/4	2,881.64	3/4	2,520.42	3/4	2,159.11
8	8	8	5,013.45	8	4,675.22	8	4,318.86	8	3,957.67	8	3,596.49	8	3,235.30	8	2,874.11	8	2,512.90	8	2,151.58
1/4	1/4	1/4	5,006.63	1/4	4,667.95	1/4	4,311.33	1/4	3,950.15	1/4	3,588.96	1/4	3,227.77	1/4	2,866.59	1/4	2,505.37	1/4	2,144.05
1/2	1/2	1/2	4,999.81	1/2	4,660.68	1/2	4,303.81	1/2	3,942.62	1/2	3,581.44	1/2	3,220.25	1/2	2,859.06	1/2	2,497.84	1/2	2,136.53
3/4	3/4	3/4	4,993.00	3/4	4,653.40	3/4	4,296.28	3/4	3,935.10	3/4	3,573.91	3/4	3,212.73	3/4	2,851.54	3/4	2,490.31	3/4	2,129.00
9	9	9	4,986.18	9	4,646.13	9	4,288.76	9	3,927.57	9	3,566.39	9	3,205.20	9	2,844.02	9	2,482.79	9	2,121.47
1/4	1/4	1/4	4,979.26	1/4	4,638.83	1/4	4,281.23	1/4	3,920.05	1/4	3,558.86	1/4	3,197.68	1/4	2,836.49	1/4	2,475.26	1/4	2,113.94
1/2	1/2	1/2	4,972.35	1/2	4,631.53	1/2	4,273.71	1/2	3,912.52	1/2	3,551.34	1/2	3,190.15	1/2	2,828.97	1/2	2,467.73	1/2	2,106.42
3/4	3/4	3/4	4,965.43	3/4	4,624.23	3/4	4,266.18	3/4	3,905.00	3/4	3,543.81	3/4	3,182.63	3/4	2,821.44	3/4	2,460.20	3/4	2,098.89
10	10	10	4,958.51	10	4,616.93	10	4,258.66	10	3,897.47	10	3,536.29	10	3,175.10	10	2,813.92	10	2,452.68	10	2,091.36
1/4	1/4	1/4	4,951.56	1/4	4,609.59	1/4	4,251.13	1/4	3,889.95	1/4	3,528.76	1/4	3,167.58	1/4	2,806.39	1/4	2,445.15	1/4	2,083.83
1/2	1/2	1/2	4,944.61	1/2	4,602.26	1/2	4,243.61	1/2	3,882.42	1/2	3,521.24	1/2	3,160.05	1/2	2,798.87	1/2	2,437.62	1/2	2,076.31
3/4	3/4	3/4	4,937.67	3/4	4,594.93	3/4	4,236.08	3/4	3,874.90	3/4	3,513.71	3/4	3,152.53	3/4	2,791.34	3/4	2,430.09	3/4	2,068.78
11	11	11	4,930.72	11	4,587.60	11	4,228.56	11	3,867.37	11	3,506.19	11	3,145.00	11	2,783.82	11	2,422.57	11	2,061.25
1/4	1/4	1/4	4,923.74	1/4	4,580.24	1/4	4,221.04	1/4	3,859.85	1/4	3,498.66	1/4	3,137.48	1/4	2,776.29	1/4	2,415.04	1/4	2,053.72
1/2	1/2	1/2	4,916.77	1/2	4,572.88	1/2	4,213.51	1/2	3,852.33	1/2	3,491.14	1/2	3,129.95	1/2	2,768.77	1/2	2,407.51	1/2	2,046.20
3/4	3/4	3/4	4,909.79	3/4	4,565.52	3/4	4,205.99	3/4	3,844.80	3/4	3,483.61	3/4	3,122.43	3/4	2,761.24	3/4	2,399.99	3/4	2,038.67

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" 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 303"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,031.14	0	1,669.83	0	1,308.51	0	960.87	0	602.26	0	240.96	0		0		0		0	
1/4	2,023.62	1/4	1,662.30	1/4	1,300.98	1/4	953.69	1/4	594.74	1/4	233.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,016.09	1/2	1,654.77	1/2	1,293.46	1/2	946.50	1/2	587.21	1/2	225.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,008.56	3/4	1,647.25	3/4	1,285.93	3/4	939.32	3/4	579.68	3/4	218.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,001.03	1	1,639.72	1	1,278.40	1	932.13	1	572.15	1	210.85	1	1	1	1	1	1	1	1
1/4	1,993.51	1/4	1,632.19	1/4	1,270.88	1/4	924.94	1/4	564.63	1/4	203.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,985.98	1/2	1,624.66	1/2	1,263.35	1/2	917.74	1/2	557.10	1/2	195.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,978.45	3/4	1,617.14	3/4	1,255.82	3/4	910.54	3/4	549.57	3/4	188.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,970.92	2	1,609.61	2	1,248.29	2	903.35	2	542.05	2	180.74	2	2	2	2	2	2	2	2
1/4	1,963.40	1/4	1,602.08	1/4	1,241.10	1/4	895.82	1/4	534.52	1/4	173.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,955.87	1/2	1,594.55	1/2	1,233.90	1/2	888.29	1/2	526.99	1/2	165.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,948.34	3/4	1,587.03	3/4	1,226.70	3/4	880.77	3/4	519.46	3/4	158.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,940.81	3	1,579.50	3	1,219.51	3	873.24	3	511.94	3	150.64	3	3	3	3	3	3	3	3
1/4	1,933.29	1/4	1,571.97	1/4	1,212.32	1/4	865.71	1/4	504.41	1/4	143.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,925.76	1/2	1,564.44	1/2	1,205.14	1/2	858.18	1/2	496.88	1/2	135.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,918.23	3/4	1,556.92	3/4	1,197.95	3/4	850.66	3/4	489.36	3/4	128.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,910.70	4	1,549.39	4	1,190.77	4	843.13	4	481.83	4	120.57	4	4	4	4	4	4	4	4
1/4	1,903.18	1/4	1,541.86	1/4	1,183.59	1/4	835.60	1/4	474.30	1/4	113.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,895.65	1/2	1,534.33	1/2	1,176.40	1/2	828.08	1/2	466.77	1/2	105.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,888.12	3/4	1,526.81	3/4	1,169.22	3/4	820.55	3/4	459.25	3/4	98.10	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,880.59	5	1,519.28	5	1,162.03	5	813.02	5	451.72	5	90.61	5	5	5	5	5	5	5	5
1/4	1,873.07	1/4	1,511.75	1/4	1,154.85	1/4	805.49	1/4	444.19	1/4	83.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,865.54	1/2	1,504.22	1/2	1,147.66	1/2	797.97	1/2	436.67	1/2	76.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,858.01	3/4	1,496.70	3/4	1,140.48	3/4	790.44	3/4	429.14	3/4	69.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,850.48	6	1,489.17	6	1,133.30	6	782.91	6	421.61	6	63.02	6	6	6	6	6	6	6	6
1/4	1,842.96	1/4	1,481.64	1/4	1,126.11	1/4	775.39	1/4	414.08	1/4	57.37	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,835.43	1/2	1,474.11	1/2	1,118.93	1/2	767.86	1/2	406.56	1/2	51.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,827.90	3/4	1,466.59	3/4	1,111.74	3/4	760.33	3/4	399.03	3/4	46.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,820.38	7	1,459.06	7	1,104.56	7	752.80	7	391.50	7	40.44	7	7	7	7	7	7	7	7
1/4	1,812.85	1/4	1,451.53	1/4	1,097.37	1/4	745.28	1/4	383.98	1/4	36.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,805.32	1/2	1,444.01	1/2	1,090.19	1/2	737.75	1/2	376.45	1/2	31.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,797.79	3/4	1,436.48	3/4	1,083.01	3/4	730.22	3/4	368.92	3/4	27.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,790.27	8	1,428.95	8	1,075.82	8	722.70	8	361.40	8	22.88	8	8	8	8	8	8	8	8
1/4	1,782.74	1/4	1,421.42	1/4	1,068.64	1/4	715.17	1/4	353.87	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,775.21	1/2	1,413.90	1/2	1,061.45	1/2	707.64	1/2	346.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,767.68	3/4	1,406.37	3/4	1,054.27	3/4	700.11	3/4	338.81	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,760.16	9	1,398.84	9	1,047.08	9	692.59	9	331.29	9		9	9	9	9	9	9	9	9
1/4	1,752.63	1/4	1,391.31	1/4	1,039.90	1/4	685.06	1/4	323.76	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,745.10	1/2	1,383.79	1/2	1,032.72	1/2	677.53	1/2	316.23	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,737.57	3/4	1,376.26	3/4	1,025.53	3/4	670.01	3/4	308.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,730.05	10	1,368.73	10	1,018.35	10	662.48	10	301.18	10		10	10	10	10	10	10	10	10
1/4	1,722.52	1/4	1,361.20	1/4	1,011.16	1/4	654.95	1/4	293.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,714.99	1/2	1,353.68	1/2	1,003.98	1/2	647.43	1/2	286.12	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,707.46	3/4	1,346.15	3/4	996.79	3/4	639.90	3/4	278.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,699.94	11	1,338.62	11	989.61	11	632.37	11	271.07	11		11	11	11	11	11	11	11	11
1/4	1,692.41	1/4	1,331.09	1/4	982.42	1/4	624.84	1/4	263.54	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,684.88	1/2	1,323.57	1/2	975.24	1/2	617.32	1/2	256.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,677.35	3/4	1,316.04	3/4	968.06	3/4	609.79	3/4	248.49	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: 04/23/2013 SW CL
CALCULATED: 04/23/2013 CL
PRINTED: 04/23/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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



BARGE "HBC 303"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
					4,258.28		4,073.73		3,881.05		3,687.50		3,483.65		3,125.69		2,766.48		2,406.66
1/4	1/4	1/4	4,409.40	1/4	4,254.54	1/4	4,069.78	1/4	3,877.02	1/4	3,683.47	1/4	3,476.18	1/4	3,118.21	1/4	2,758.98	1/4	2,399.16
1/2	1/2	1/2	4,408.53	1/2	4,250.78	1/2	4,065.82	1/2	3,872.99	1/2	3,679.43	1/2	3,468.72	1/2	3,110.73	1/2	2,751.49	1/2	2,391.66
3/4	3/4	3/4	4,407.66	3/4	4,247.03	3/4	4,061.86	3/4	3,868.96	3/4	3,675.40	3/4	3,461.26	3/4	3,103.24	3/4	2,743.99	3/4	2,384.17
1	1	1	4,406.79	1	4,243.27	1	4,057.90	1	3,864.92	1	3,671.37	1	3,453.79	1	3,095.76	1	2,736.50	1	2,376.67
1/4	1/4	1/4	4,405.92	1/4	4,239.52	1/4	4,053.94	1/4	3,860.89	1/4	3,667.34	1/4	3,446.33	1/4	3,088.28	1/4	2,729.00	1/4	2,369.17
1/2	1/2	1/2	4,403.82	1/2	4,235.74	1/2	4,049.96	1/2	3,856.86	1/2	3,663.30	1/2	3,438.86	1/2	3,080.80	1/2	2,721.51	1/2	2,361.68
3/4	3/4	3/4	4,401.71	3/4	4,231.97	3/4	4,045.98	3/4	3,852.83	3/4	3,659.27	3/4	3,431.40	3/4	3,073.31	3/4	2,714.01	3/4	2,354.18
2	2	2	4,399.60	2	4,228.20	2	4,042.01	2	3,848.80	2	3,655.24	2	3,423.94	2	3,065.83	2	2,706.52	2	2,346.68
1/4	1/4	1/4	4,397.50	1/4	4,224.43	1/4	4,038.03	1/4	3,844.76	1/4	3,651.21	1/4	3,416.47	1/4	3,058.35	1/4	2,699.02	1/4	2,339.19
1/2	1/2	1/2	4,394.57	1/2	4,220.64	1/2	4,034.04	1/2	3,840.73	1/2	3,647.18	1/2	3,409.01	1/2	3,050.87	1/2	2,691.52	1/2	2,331.69
3/4	3/4	3/4	4,391.63	3/4	4,216.85	3/4	4,030.05	3/4	3,836.70	3/4	3,643.14	3/4	3,401.54	3/4	3,043.38	3/4	2,684.03	3/4	2,324.19
3	3	3	4,388.70	3	4,213.07	3	4,026.05	3	3,832.67	3	3,639.11	3	3,394.08	3	3,035.90	3	2,676.53	3	2,316.69
1/4	1/4	1/4	4,385.77	1/4	4,209.28	1/4	4,022.06	1/4	3,828.63	1/4	3,635.08	1/4	3,386.62	1/4	3,028.42	1/4	2,669.04	1/4	2,309.20
1/2	1/2	1/2	4,382.23	1/2	4,205.48	1/2	4,018.05	1/2	3,824.60	1/2	3,631.05	1/2	3,379.15	1/2	3,020.94	1/2	2,661.54	1/2	2,301.70
3/4	3/4	3/4	4,378.69	3/4	4,201.67	3/4	4,014.04	3/4	3,820.57	3/4	3,627.01	3/4	3,371.69	3/4	3,013.45	3/4	2,654.05	3/4	2,294.20
4	4	4	4,375.15	4	4,197.87	4	4,010.03	4	3,816.54	4	3,622.98	4	3,364.22	4	3,005.97	4	2,646.55	4	2,286.71
1/4	1/4	1/4	4,371.62	1/4	4,194.07	1/4	4,006.03	1/4	3,812.50	1/4	3,618.95	1/4	3,356.76	1/4	2,998.49	1/4	2,639.06	1/4	2,279.21
1/2	1/2	1/2	4,368.04	1/2	4,190.25	1/2	4,002.00	1/2	3,808.47	1/2	3,614.92	1/2	3,349.30	1/2	2,991.00	1/2	2,631.56	1/2	2,271.71
3/4	3/4	3/4	4,364.46	3/4	4,186.43	3/4	3,997.98	3/4	3,804.44	3/4	3,610.88	3/4	3,341.83	3/4	2,983.52	3/4	2,624.06	3/4	2,264.22
5	5	5	4,360.88	5	4,182.61	5	3,993.95	5	3,800.41	5	3,606.85	5	3,334.37	5	2,976.04	5	2,616.57	5	2,256.72
1/4	1/4	1/4	4,357.30	1/4	4,178.79	1/4	3,989.93	1/4	3,796.37	1/4	3,602.82	1/4	3,326.90	1/4	2,968.56	1/4	2,609.07	1/4	2,249.22
1/2	1/2	1/2	4,353.69	1/2	4,174.95	1/2	3,985.90	1/2	3,792.34	1/2	3,598.79	1/2	3,319.45	1/2	2,961.07	1/2	2,601.58	1/2	2,241.73
3/4	3/4	3/4	4,350.09	3/4	4,171.12	3/4	3,981.86	3/4	3,788.31	3/4	3,594.75	3/4	3,312.01	3/4	2,953.59	3/4	2,594.08	3/4	2,234.23
6	6	6	4,346.48	6	4,167.28	6	3,977.83	6	3,784.28	6	3,590.72	6	3,304.56	6	2,946.11	6	2,586.58	6	2,226.73
1/4	1/4	1/4	4,342.88	1/4	4,163.45	1/4	3,973.80	1/4	3,780.24	1/4	3,586.69	1/4	3,297.11	1/4	2,938.63	1/4	2,579.09	1/4	2,219.23
1/2	1/2	1/2	4,339.26	1/2	4,159.60	1/2	3,969.77	1/2	3,776.21	1/2	3,582.66	1/2	3,289.66	1/2	2,931.14	1/2	2,571.59	1/2	2,211.74
3/4	3/4	3/4	4,335.63	3/4	4,155.75	3/4	3,965.73	3/4	3,772.18	3/4	3,578.62	3/4	3,282.21	3/4	2,923.66	3/4	2,564.09	3/4	2,204.24
7	7	7	4,332.01	7	4,151.90	7	3,961.70	7	3,768.15	7	3,574.59	7	3,274.76	7	2,916.18	7	2,556.60	7	2,196.74
1/4	1/4	1/4	4,328.39	1/4	4,148.05	1/4	3,957.67	1/4	3,764.11	1/4	3,570.56	1/4	3,267.32	1/4	2,908.69	1/4	2,549.10	1/4	2,189.25
1/2	1/2	1/2	4,324.75	1/2	4,144.16	1/2	3,953.64	1/2	3,760.08	1/2	3,566.53	1/2	3,259.87	1/2	2,901.21	1/2	2,541.60	1/2	2,181.75
3/4	3/4	3/4	4,321.11	3/4	4,140.28	3/4	3,949.61	3/4	3,756.05	3/4	3,562.49	3/4	3,252.42	3/4	2,893.73	3/4	2,534.10	3/4	2,174.25
8	8	8	4,317.48	8	4,136.40	8	3,945.57	8	3,752.02	8	3,558.46	8	3,244.97	8	2,886.25	8	2,526.61	8	2,166.76
1/4	1/4	1/4	4,313.84	1/4	4,132.52	1/4	3,941.54	1/4	3,747.99	1/4	3,554.43	1/4	3,237.52	1/4	2,878.76	1/4	2,519.11	1/4	2,159.26
1/2	1/2	1/2	4,310.19	1/2	4,128.62	1/2	3,937.51	1/2	3,743.95	1/2	3,550.40	1/2	3,230.07	1/2	2,871.28	1/2	2,511.61	1/2	2,151.76
3/4	3/4	3/4	4,306.53	3/4	4,124.73	3/4	3,933.48	3/4	3,739.92	3/4	3,546.37	3/4	3,222.63	3/4	2,863.80	3/4	2,504.12	3/4	2,144.27
9	9	9	4,302.88	9	4,120.83	9	3,929.44	9	3,735.89	9	3,542.33	9	3,215.18	9	2,856.32	9	2,496.62	9	2,136.77
1/4	1/4	1/4	4,299.22	1/4	4,116.93	1/4	3,925.41	1/4	3,731.86	1/4	3,538.30	1/4	3,207.73	1/4	2,848.83	1/4	2,489.12	1/4	2,129.27
1/2	1/2	1/2	4,295.52	1/2	4,113.02	1/2	3,921.38	1/2	3,727.82	1/2	3,534.27	1/2	3,200.28	1/2	2,841.35	1/2	2,481.63	1/2	2,121.78
3/4	3/4	3/4	4,291.81	3/4	4,109.10	3/4	3,917.35	3/4	3,723.79	3/4	3,530.24	3/4	3,192.83	3/4	2,833.87	3/4	2,474.13	3/4	2,114.28
10	10	10	4,288.10	10	4,105.19	10	3,913.31	10	3,719.76	10	3,526.20	10	3,185.38	10	2,826.39	10	2,466.63	10	2,106.78
1/4	1/4	1/4	4,284.39	1/4	4,101.28	1/4	3,909.28	1/4	3,715.73	1/4	3,522.17	1/4	3,177.93	1/4	2,818.90	1/4	2,459.14	1/4	2,099.28
1/2	1/2	1/2	4,280.67	1/2	4,097.35	1/2	3,905.25	1/2	3,711.69	1/2	3,518.14	1/2	3,170.49	1/2	2,811.42	1/2	2,451.64	1/2	2,091.79
3/4	3/4	3/4	4,276.95	3/4	4,093.42	3/4	3,901.22	3/4	3,707.66	3/4	3,514.11	3/4	3,163.04	3/4	2,803.94	3/4	2,444.14	3/4	2,084.29
11	11	11	4,273.22	11	4,089.49	11	3,897.18	11	3,703.63	11	3,510.07	11	3,155.59	11	2,796.45	11	2,436.64	11	2,076.79
1/4	1/4	1/4	4,269.50	1/4	4,085.56	1/4	3,893.15	1/4	3,699.60	1/4	3,506.04	1/4	3,148.14	1/4	2,788.97	1/4	2,429.15	1/4	2,069.30
1/2	1/2	1/2	4,265.76	1/2	4,081.62	1/2	3,889.12	1/2	3,695.56	1/2	3,498.58	1/2	3,140.66	1/2	2,781.47	1/2	2,421.65	1/2	2,061.80
3/4	3/4	3/4	4,262.02	3/4	4,077.67	3/4	3,885.09	3/4	3,691.53	3/4	3,491.11	3/4	3,133.18	3/4	2,773.98	3/4	2,414.15	3/4	2,054.30

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 303"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,046.81	0	1,686.87	0	1,326.94	0	967.31	0	607.46	0	247.54	0		0		0		0	
1/4	2,039.31	1/4	1,679.38	1/4	1,319.44	1/4	959.82	1/4	599.96	1/4	240.04	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,031.81	1/2	1,671.88	1/2	1,311.94	1/2	952.33	1/2	592.46	1/2	232.55	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,024.31	3/4	1,664.38	3/4	1,304.45	3/4	944.85	3/4	584.97	3/4	225.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,016.81	1	1,656.88	1	1,296.95	1	937.36	1	577.47	1	217.55	1	1	1	1	1	1	1	1
1/4	2,009.31	1/4	1,649.38	1/4	1,289.45	1/4	929.87	1/4	569.97	1/4	210.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,001.82	1/2	1,641.88	1/2	1,281.95	1/2	922.37	1/2	562.47	1/2	202.55	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,994.32	3/4	1,634.38	3/4	1,274.45	3/4	914.88	3/4	554.97	3/4	195.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,986.82	2	1,626.89	2	1,266.95	2	907.39	2	547.47	2	187.56	2	2	2	2	2	2	2	2
1/4	1,979.32	1/4	1,619.39	1/4	1,259.45	1/4	899.89	1/4	539.98	1/4	180.06	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,971.82	1/2	1,611.89	1/2	1,251.96	1/2	892.40	1/2	532.48	1/2	172.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,964.32	3/4	1,604.39	3/4	1,244.46	3/4	884.90	3/4	524.98	3/4	165.06	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,956.82	3	1,596.89	3	1,236.96	3	877.40	3	517.48	3	157.57	3	3	3	3	3	3	3	3
1/4	1,949.33	1/4	1,589.39	1/4	1,229.46	1/4	869.90	1/4	509.98	1/4	150.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,941.83	1/2	1,581.89	1/2	1,221.96	1/2	862.40	1/2	502.48	1/2	142.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,934.33	3/4	1,574.40	3/4	1,214.47	3/4	854.90	3/4	494.99	3/4	135.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,926.83	4	1,566.90	4	1,206.97	4	847.41	4	487.49	4	127.61	4	4	4	4	4	4	4	4
1/4	1,919.33	1/4	1,559.40	1/4	1,199.48	1/4	839.91	1/4	479.99	1/4	120.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,911.83	1/2	1,551.90	1/2	1,191.99	1/2	832.41	1/2	472.49	1/2	112.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,904.33	3/4	1,544.40	3/4	1,184.50	3/4	824.91	3/4	464.99	3/4	105.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,896.84	5	1,536.90	5	1,177.01	5	817.41	5	457.50	5	97.73	5	5	5	5	5	5	5	5
1/4	1,889.34	1/4	1,529.40	1/4	1,169.52	1/4	809.92	1/4	450.00	1/4	90.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,881.84	1/2	1,521.91	1/2	1,162.03	1/2	802.42	1/2	442.50	1/2	83.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,874.34	3/4	1,514.41	3/4	1,154.54	3/4	794.92	3/4	435.00	3/4	76.52	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,866.84	6	1,506.91	6	1,147.05	6	787.42	6	427.50	6	69.65	6	6	6	6	6	6	6	6
1/4	1,859.34	1/4	1,499.41	1/4	1,139.56	1/4	779.92	1/4	420.00	1/4	62.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,851.84	1/2	1,491.91	1/2	1,132.08	1/2	772.42	1/2	412.51	1/2	57.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,844.35	3/4	1,484.41	3/4	1,124.59	3/4	764.93	3/4	405.01	3/4	51.53	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,836.85	7	1,476.91	7	1,117.10	7	757.43	7	397.51	7	45.91	7	7	7	7	7	7	7	7
1/4	1,829.35	1/4	1,469.42	1/4	1,109.61	1/4	749.93	1/4	390.01	1/4	40.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,821.85	1/2	1,461.92	1/2	1,102.12	1/2	742.43	1/2	382.51	1/2	35.92	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,814.35	3/4	1,454.42	3/4	1,094.63	3/4	734.93	3/4	375.01	3/4	31.54	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,806.85	8	1,446.92	8	1,087.14	8	727.43	8	367.52	8	27.17	8	8	8	8	8	8	8	8
1/4	1,799.35	1/4	1,439.42	1/4	1,079.65	1/4	719.94	1/4	360.02	1/4	22.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,791.86	1/2	1,431.92	1/2	1,072.16	1/2	712.44	1/2	352.52	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,784.36	3/4	1,424.42	3/4	1,064.67	3/4	704.94	3/4	345.02	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,776.86	9	1,416.93	9	1,057.18	9	697.44	9	337.52	9		9	9	9	9	9	9	9	9
1/4	1,769.36	1/4	1,409.43	1/4	1,049.69	1/4	689.94	1/4	330.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,761.86	1/2	1,401.93	1/2	1,042.21	1/2	682.44	1/2	322.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,754.36	3/4	1,394.43	3/4	1,034.72	3/4	674.95	3/4	315.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,746.86	10	1,386.93	10	1,027.23	10	667.45	10	307.53	10		10	10	10	10	10	10	10	10
1/4	1,739.37	1/4	1,379.43	1/4	1,019.74	1/4	659.95	1/4	300.03	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,731.87	1/2	1,371.93	1/2	1,012.25	1/2	652.45	1/2	292.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,724.37	3/4	1,364.44	3/4	1,004.76	3/4	644.95	3/4	285.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,716.87	11	1,356.94	11	997.27	11	637.45	11	277.54	11		11	11	11	11	11	11	11	11
1/4	1,709.37	1/4	1,349.44	1/4	989.78	1/4	629.96	1/4	270.04	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,701.87	1/2	1,341.94	1/2	982.29	1/2	622.46	1/2	262.54	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,694.37	3/4	1,334.44	3/4	974.80	3/4	614.96	3/4	255.04	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: 04/23/2013 SW CL
CALCULATED: 04/23/2013 CL
PRINTED: 04/23/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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



BARGE "HBC 303"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	4,381.53	0	4,227.34	0	4,043.26	0	3,851.17	0	3,658.29	0	3,451.68	0	3,094.37	0	2,736.00	0	2,376.85	
1/4	1/4	4,380.67	1/4	4,223.60	1/4	4,039.31	1/4	3,847.15	1/4	3,654.27	1/4	3,444.23	1/4	3,086.90	1/4	2,728.52	1/4	2,369.37	
1/2	1/2	4,379.82	1/2	4,219.86	1/2	4,035.36	1/2	3,843.13	1/2	3,650.25	1/2	3,436.78	1/2	3,079.44	1/2	2,721.04	1/2	2,361.89	
3/4	3/4	4,378.96	3/4	4,216.12	3/4	4,031.42	3/4	3,839.11	3/4	3,646.23	3/4	3,429.33	3/4	3,071.97	3/4	2,713.56	3/4	2,354.40	
1	1	4,378.11	1	4,212.37	1	4,027.47	1	3,835.10	1	3,642.21	1	3,421.88	1	3,064.50	1	2,706.08	1	2,346.92	
1/4	1/4	4,376.02	1/4	4,208.62	1/4	4,023.51	1/4	3,831.08	1/4	3,638.19	1/4	3,414.43	1/4	3,057.04	1/4	2,698.59	1/4	2,339.44	
1/2	1/2	4,373.92	1/2	4,204.86	1/2	4,019.54	1/2	3,827.06	1/2	3,634.18	1/2	3,406.98	1/2	3,049.58	1/2	2,691.11	1/2	2,331.96	
3/4	3/4	4,371.83	3/4	4,201.10	3/4	4,015.58	3/4	3,823.04	3/4	3,630.16	3/4	3,399.53	3/4	3,042.12	3/4	2,683.63	3/4	2,324.47	
2	2	4,369.74	2	4,197.34	2	4,011.62	2	3,819.02	2	3,626.14	2	3,392.08	2	3,034.65	2	2,676.15	2	2,316.99	
1/4	1/4	4,366.82	1/4	4,193.57	1/4	4,007.64	1/4	3,815.00	1/4	3,622.12	1/4	3,384.63	1/4	3,027.19	1/4	2,668.67	1/4	2,309.51	
1/2	1/2	4,363.91	1/2	4,189.80	1/2	4,003.66	1/2	3,810.99	1/2	3,618.10	1/2	3,377.18	1/2	3,019.73	1/2	2,661.19	1/2	2,302.02	
3/4	3/4	4,360.99	3/4	4,186.02	3/4	3,999.68	3/4	3,806.97	3/4	3,614.08	3/4	3,369.73	3/4	3,012.27	3/4	2,653.71	3/4	2,294.54	
3	3	4,358.07	3	4,182.25	3	3,995.70	3	3,802.95	3	3,610.07	3	3,362.28	3	3,004.81	3	2,646.23	3	2,287.06	
1/4	1/4	4,354.54	1/4	4,178.46	1/4	3,991.71	1/4	3,798.93	1/4	3,606.05	1/4	3,354.83	1/4	2,997.35	1/4	2,638.74	1/4	2,279.58	
1/2	1/2	4,351.02	1/2	4,174.67	1/2	3,987.71	1/2	3,794.91	1/2	3,602.03	1/2	3,347.38	1/2	2,989.89	1/2	2,631.26	1/2	2,272.09	
3/4	3/4	4,347.49	3/4	4,170.88	3/4	3,983.72	3/4	3,790.89	3/4	3,598.01	3/4	3,339.93	3/4	2,982.43	3/4	2,623.78	3/4	2,264.61	
4	4	4,343.97	4	4,167.09	4	3,979.72	4	3,786.88	4	3,593.99	4	3,332.48	4	2,974.97	4	2,616.30	4	2,257.13	
1/4	1/4	4,340.40	1/4	4,163.29	1/4	3,975.71	1/4	3,782.86	1/4	3,589.97	1/4	3,325.03	1/4	2,967.50	1/4	2,608.82	1/4	2,249.64	
1/2	1/2	4,336.84	1/2	4,159.48	1/2	3,971.70	1/2	3,778.84	1/2	3,585.96	1/2	3,317.58	1/2	2,960.04	1/2	2,601.34	1/2	2,242.16	
3/4	3/4	4,333.27	3/4	4,155.68	3/4	3,967.69	3/4	3,774.82	3/4	3,581.94	3/4	3,310.13	3/4	2,952.58	3/4	2,593.86	3/4	2,234.68	
5	5	4,329.71	5	4,151.87	5	3,963.68	5	3,770.80	5	3,577.92	5	3,302.68	5	2,945.12	5	2,586.37	5	2,227.20	
1/4	1/4	4,326.12	1/4	4,148.05	1/4	3,959.67	1/4	3,766.78	1/4	3,573.90	1/4	3,295.24	1/4	2,937.66	1/4	2,578.89	1/4	2,219.71	
1/2	1/2	4,322.53	1/2	4,144.23	1/2	3,955.65	1/2	3,762.76	1/2	3,569.88	1/2	3,287.81	1/2	2,930.20	1/2	2,571.41	1/2	2,212.23	
3/4	3/4	4,318.93	3/4	4,140.41	3/4	3,951.63	3/4	3,758.75	3/4	3,565.86	3/4	3,280.37	3/4	2,922.74	3/4	2,563.93	3/4	2,204.75	
6	6	4,315.34	6	4,136.59	6	3,947.61	6	3,754.73	6	3,561.84	6	3,272.94	6	2,915.28	6	2,556.44	6	2,197.26	
1/4	1/4	4,311.74	1/4	4,132.75	1/4	3,943.59	1/4	3,750.71	1/4	3,557.83	1/4	3,265.50	1/4	2,907.82	1/4	2,548.96	1/4	2,189.78	
1/2	1/2	4,308.13	1/2	4,128.91	1/2	3,939.57	1/2	3,746.69	1/2	3,553.81	1/2	3,258.07	1/2	2,900.35	1/2	2,541.48	1/2	2,182.30	
3/4	3/4	4,304.52	3/4	4,125.08	3/4	3,935.56	3/4	3,742.67	3/4	3,549.79	3/4	3,250.64	3/4	2,892.89	3/4	2,533.99	3/4	2,174.82	
7	7	4,300.91	7	4,121.24	7	3,931.54	7	3,738.65	7	3,545.77	7	3,243.20	7	2,885.43	7	2,526.51	7	2,167.33	
1/4	1/4	4,297.29	1/4	4,117.37	1/4	3,927.52	1/4	3,734.64	1/4	3,541.75	1/4	3,235.77	1/4	2,877.96	1/4	2,519.03	1/4	2,159.85	
1/2	1/2	4,293.67	1/2	4,113.51	1/2	3,923.50	1/2	3,730.62	1/2	3,537.73	1/2	3,228.33	1/2	2,870.49	1/2	2,511.55	1/2	2,152.37	
3/4	3/4	4,290.04	3/4	4,109.64	3/4	3,919.48	3/4	3,726.60	3/4	3,533.72	3/4	3,220.90	3/4	2,863.03	3/4	2,504.06	3/4	2,144.88	
8	8	4,286.42	8	4,105.77	8	3,915.46	8	3,722.58	8	3,529.70	8	3,213.46	8	2,855.56	8	2,496.58	8	2,137.40	
1/4	1/4	4,282.78	1/4	4,101.89	1/4	3,911.45	1/4	3,718.56	1/4	3,525.68	1/4	3,206.03	1/4	2,848.09	1/4	2,488.10	1/4	2,129.92	
1/2	1/2	4,279.14	1/2	4,098.00	1/2	3,907.43	1/2	3,714.54	1/2	3,521.66	1/2	3,198.59	1/2	2,840.62	1/2	2,481.61	1/2	2,122.44	
3/4	3/4	4,275.50	3/4	4,094.12	3/4	3,903.41	3/4	3,710.53	3/4	3,517.64	3/4	3,191.16	3/4	2,833.15	3/4	2,474.13	3/4	2,114.95	
9	9	4,271.86	9	4,090.24	9	3,899.39	9	3,706.51	9	3,513.62	9	3,183.72	9	2,825.68	9	2,466.65	9	2,107.47	
1/4	1/4	4,268.17	1/4	4,086.34	1/4	3,895.37	1/4	3,702.49	1/4	3,509.61	1/4	3,176.29	1/4	2,818.21	1/4	2,459.17	1/4	2,099.99	
1/2	1/2	4,264.47	1/2	4,082.44	1/2	3,891.35	1/2	3,698.47	1/2	3,505.59	1/2	3,168.86	1/2	2,810.75	1/2	2,451.68	1/2	2,092.50	
3/4	3/4	4,260.78	3/4	4,078.54	3/4	3,887.34	3/4	3,694.45	3/4	3,501.57	3/4	3,161.42	3/4	2,803.28	3/4	2,444.20	3/4	2,085.02	
10	10	4,257.08	10	4,074.64	10	3,883.32	10	3,690.43	10	3,497.55	10	3,153.99	10	2,795.81	10	2,436.72	10	2,077.54	
1/4	1/4	4,253.37	1/4	4,070.73	1/4	3,879.30	1/4	3,686.42	1/4	3,493.53	1/4	3,146.55	1/4	2,788.34	1/4	2,429.23	1/4	2,070.05	
1/2	1/2	4,249.66	1/2	4,066.81	1/2	3,875.28	1/2	3,682.40	1/2	3,489.51	1/2	3,139.12	1/2	2,780.87	1/2	2,421.75	1/2	2,062.57	
3/4	3/4	4,245.95	3/4	4,062.90	3/4	3,871.26	3/4	3,678.38	3/4	3,485.50	3/4	3,131.68	3/4	2,773.40	3/4	2,414.27	3/4	2,055.09	
11	11	4,242.24	11	4,058.98	11	3,867.24	11	3,674.36	11	3,481.48	11	3,124.25	11	2,765.93	11	2,406.79	11	2,047.61	
1/4	1/4	4,238.52	1/4	4,055.05	1/4	3,863.22	1/4	3,670.34	1/4	3,474.03	1/4	3,116.78	1/4	2,758.45	1/4	2,399.30	1/4	2,040.12	
1/2	1/2	4,234.79	1/2	4,051.12	1/2	3,859.21	1/2	3,666.32	1/2	3,466.58	1/2	3,109.31	1/2	2,750.97	1/2	2,391.82	1/2	2,032.64	
3/4	3/4	4,231.07	3/4	4,047.19	3/4	3,855.19	3/4	3,662.30	3/4	3,459.13	3/4	3,101.84	3/4	2,743.48	3/4	2,384.34	3/4	2,025.16	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 303"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,017.67	0	1,658.41	0	1,300.63	0	952.10	0	599.07	0	239.70	0		0		0		0	
1/4	2,010.19	1/4	1,650.93	1/4	1,293.21	1/4	944.96	1/4	591.58	1/4	232.22	1/4		1/4		1/4		1/4	
1/2	2,002.71	1/2	1,643.44	1/2	1,285.79	1/2	937.81	1/2	584.09	1/2	224.73	1/2		1/2		1/2		1/2	
3/4	1,995.22	3/4	1,635.96	3/4	1,278.36	3/4	930.66	3/4	576.61	3/4	217.24	3/4		3/4		3/4		3/4	
1	1,987.74	1	1,628.48	1	1,270.94	1	923.51	1	569.12	1	209.76	1		1		1		1	
1/4	1,980.25	1/4	1,620.99	1/4	1,263.52	1/4	916.36	1/4	561.63	1/4	202.27	1/4		1/4		1/4		1/4	
1/2	1,972.77	1/2	1,613.51	1/2	1,256.10	1/2	909.20	1/2	554.15	1/2	194.78	1/2		1/2		1/2		1/2	
3/4	1,965.28	3/4	1,606.02	3/4	1,248.67	3/4	902.05	3/4	546.66	3/4	187.30	3/4		3/4		3/4		3/4	
2	1,957.80	2	1,598.54	2	1,241.25	2	894.90	2	539.17	2	179.81	2		2		2		2	
1/4	1,950.31	1/4	1,591.05	1/4	1,233.84	1/4	887.73	1/4	531.68	1/4	172.32	1/4		1/4		1/4		1/4	
1/2	1,942.83	1/2	1,583.57	1/2	1,226.44	1/2	880.55	1/2	524.20	1/2	164.84	1/2		1/2		1/2		1/2	
3/4	1,935.34	3/4	1,576.08	3/4	1,219.03	3/4	873.38	3/4	516.71	3/4	157.35	3/4		3/4		3/4		3/4	
3	1,927.86	3	1,568.60	3	1,211.62	3	866.20	3	509.22	3	149.87	3		3		3		3	
1/4	1,920.37	1/4	1,561.11	1/4	1,204.22	1/4	859.03	1/4	501.74	1/4	142.39	1/4		1/4		1/4		1/4	
1/2	1,912.89	1/2	1,553.63	1/2	1,196.82	1/2	851.85	1/2	494.25	1/2	134.90	1/2		1/2		1/2		1/2	
3/4	1,905.41	3/4	1,546.14	3/4	1,189.41	3/4	844.68	3/4	486.76	3/4	127.42	3/4		3/4		3/4		3/4	
4	1,897.92	4	1,538.66	4	1,182.01	4	837.50	4	479.28	4	119.94	4		4		4		4	
1/4	1,890.44	1/4	1,531.18	1/4	1,174.58	1/4	830.30	1/4	471.79	1/4	112.49	1/4		1/4		1/4		1/4	
1/2	1,882.95	1/2	1,523.69	1/2	1,167.14	1/2	823.10	1/2	464.30	1/2	105.04	1/2		1/2		1/2		1/2	
3/4	1,875.47	3/4	1,516.21	3/4	1,159.71	3/4	815.90	3/4	456.82	3/4	97.58	3/4		3/4		3/4		3/4	
5	1,867.98	5	1,508.72	5	1,152.28	5	808.69	5	449.33	5	90.13	5		5		5		5	
1/4	1,860.50	1/4	1,501.24	1/4	1,145.13	1/4	801.21	1/4	441.84	1/4	83.28	1/4		1/4		1/4		1/4	
1/2	1,853.01	1/2	1,493.75	1/2	1,137.98	1/2	793.72	1/2	434.36	1/2	76.43	1/2		1/2		1/2		1/2	
3/4	1,845.53	3/4	1,486.27	3/4	1,130.83	3/4	786.23	3/4	426.87	3/4	69.58	3/4		3/4		3/4		3/4	
6	1,838.04	6	1,478.78	6	1,123.68	6	778.75	6	419.38	6	62.73	6		6		6		6	
1/4	1,830.56	1/4	1,471.36	1/4	1,116.53	1/4	771.26	1/4	411.90	1/4	57.12	1/4		1/4		1/4		1/4	
1/2	1,823.07	1/2	1,463.94	1/2	1,109.38	1/2	763.77	1/2	404.41	1/2	51.51	1/2		1/2		1/2		1/2	
3/4	1,815.59	3/4	1,456.51	3/4	1,102.24	3/4	756.29	3/4	396.92	3/4	45.90	3/4		3/4		3/4		3/4	
7	1,808.11	7	1,449.09	7	1,095.09	7	748.80	7	389.44	7	40.29	7		7		7		7	
1/4	1,800.62	1/4	1,441.67	1/4	1,087.94	1/4	741.31	1/4	381.95	1/4	35.91	1/4		1/4		1/4		1/4	
1/2	1,793.14	1/2	1,434.25	1/2	1,080.79	1/2	733.83	1/2	374.46	1/2	31.54	1/2		1/2		1/2		1/2	
3/4	1,785.65	3/4	1,426.82	3/4	1,073.64	3/4	726.34	3/4	366.98	3/4	27.17	3/4		3/4		3/4		3/4	
8	1,778.17	8	1,419.40	8	1,066.49	8	718.85	8	359.49	8	22.80	8		8		8		8	
1/4	1,770.68	1/4	1,411.98	1/4	1,059.34	1/4	711.37	1/4	352.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,763.20	1/2	1,404.55	1/2	1,052.19	1/2	703.88	1/2	344.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,755.71	3/4	1,397.13	3/4	1,045.04	3/4	696.39	3/4	337.03	3/4		3/4		3/4		3/4		3/4	
9	1,748.23	9	1,389.71	9	1,037.89	9	688.91	9	329.54	9		9		9		9		9	
1/4	1,740.74	1/4	1,382.29	1/4	1,030.74	1/4	681.42	1/4	322.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,733.26	1/2	1,374.86	1/2	1,023.60	1/2	673.93	1/2	314.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,725.78	3/4	1,367.44	3/4	1,016.45	3/4	666.45	3/4	307.08	3/4		3/4		3/4		3/4		3/4	
10	1,718.29	10	1,360.02	10	1,009.30	10	658.96	10	299.60	10		10		10		10		10	
1/4	1,710.81	1/4	1,352.59	1/4	1,002.15	1/4	651.47	1/4	292.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,703.32	1/2	1,345.17	1/2	995.00	1/2	643.99	1/2	284.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,695.84	3/4	1,337.75	3/4	987.85	3/4	636.50	3/4	277.14	3/4		3/4		3/4		3/4		3/4	
11	1,688.35	11	1,330.33	11	980.70	11	629.01	11	269.65	11		11		11		11		11	
1/4	1,680.87	1/4	1,322.90	1/4	973.55	1/4	621.53	1/4	262.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,673.38	1/2	1,315.48	1/2	966.40	1/2	614.04	1/2	254.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,665.90	3/4	1,308.06	3/4	959.25	3/4	606.55	3/4	247.19	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2013 SW CL
CALCULATED: 04/23/2013 CL
PRINTED: 04/23/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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