



BARGE "HBC 307"

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	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
1 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	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	01-6/8	- 01-6/8	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 ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 253'-09"

June 11, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 307"

1 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.	
0	0	0	4,954.03	0	4,608.64	0	4,247.71	0	3,884.96	0	3,522.21	0	3,159.46	0	2,796.71	0	2,433.89		
1/4	1/4	1/4	4,947.03	1/4	4,601.24	1/4	4,240.16	1/4	3,877.41	1/4	3,514.65	1/4	3,151.90	1/4	2,789.15	1/4	2,426.33		
1/2	1/2	1/2	5,249.85	1/2	4,940.02	1/2	4,593.85	1/2	4,232.60	1/2	3,869.85	1/2	3,507.10	1/2	3,144.35	1/2	2,781.60	1/2	2,418.77
3/4	3/4	3/4	5,245.51	3/4	4,932.98	3/4	4,586.43	3/4	4,225.04	3/4	3,862.29	3/4	3,499.54	3/4	3,136.79	3/4	2,774.04	3/4	2,411.21
1	1	1	5,241.18	1	4,925.95	1	4,579.01	1	4,217.48	1	3,854.73	1	3,491.98	1	3,129.23	1	2,770.48	1	2,403.65
1/4	1/4	1/4	5,236.84	1/4	4,918.91	1/4	4,571.58	1/4	4,209.93	1/4	3,847.18	1/4	3,484.43	1/4	3,121.68	1/4	2,758.92	1/4	2,396.09
1/2	1/2	1/2	5,232.50	1/2	4,911.88	1/2	4,564.16	1/2	4,202.37	1/2	3,839.62	1/2	3,476.87	1/2	3,114.12	1/2	2,751.37	1/2	2,388.53
3/4	3/4	3/4	5,226.93	3/4	4,904.81	3/4	4,556.71	3/4	4,194.81	3/4	3,832.06	3/4	3,469.31	3/4	3,106.56	3/4	2,743.81	3/4	2,380.97
2	2	2	5,221.37	2	4,897.75	2	4,549.25	2	4,187.25	2	3,824.50	2	3,461.75	2	3,099.00	2	2,736.25	2	2,373.41
1/4	1/4	1/4	5,215.80	1/4	4,890.68	1/4	4,541.80	1/4	4,179.70	1/4	3,816.95	1/4	3,454.20	1/4	3,091.45	1/4	2,728.70	1/4	2,365.85
1/2	1/2	1/2	5,210.23	1/2	4,883.62	1/2	4,534.35	1/2	4,172.14	1/2	3,809.39	1/2	3,446.64	1/2	3,083.89	1/2	2,721.14	1/2	2,358.29
3/4	3/4	3/4	5,204.19	3/4	4,876.52	3/4	4,526.87	3/4	4,164.58	3/4	3,801.83	3/4	3,439.08	3/4	3,076.33	3/4	2,713.58	3/4	2,350.73
3	3	3	5,198.16	3	4,869.43	3	4,519.38	3	4,157.03	3	3,794.27	3	3,431.52	3	3,068.77	3	2,706.02	3	2,343.17
1/4	1/4	1/4	5,192.12	1/4	4,862.33	1/4	4,511.90	1/4	4,149.47	1/4	3,786.72	1/4	3,423.97	1/4	3,061.22	1/4	2,698.47	1/4	2,335.61
1/2	1/2	1/2	5,186.09	1/2	4,855.24	1/2	4,504.42	1/2	4,141.91	1/2	3,779.16	1/2	3,416.41	1/2	3,053.66	1/2	2,690.91	1/2	2,328.05
3/4	3/4	3/4	5,179.43	3/4	4,848.11	3/4	4,496.91	3/4	4,134.35	3/4	3,771.60	3/4	3,408.85	3/4	3,046.10	3/4	2,683.35	3/4	2,320.49
4	4	4	5,172.76	4	4,840.99	4	4,489.39	4	4,126.80	4	3,764.05	4	3,401.30	4	3,038.54	4	2,675.79	4	2,312.93
1/4	1/4	1/4	5,166.10	1/4	4,833.86	1/4	4,481.88	1/4	4,119.24	1/4	3,756.49	1/4	3,393.74	1/4	3,030.99	1/4	2,668.24	1/4	2,305.37
1/2	1/2	1/2	5,159.44	1/2	4,826.74	1/2	4,474.37	1/2	4,111.68	1/2	3,748.93	1/2	3,386.18	1/2	3,023.43	1/2	2,660.68	1/2	2,297.81
3/4	3/4	3/4	5,152.72	3/4	4,819.58	3/4	4,466.83	3/4	4,104.12	3/4	3,741.37	3/4	3,378.62	3/4	3,015.87	3/4	2,653.12	3/4	2,290.25
5	5	5	5,146.01	5	4,812.43	5	4,459.29	5	4,096.57	5	3,733.82	5	3,371.07	5	3,008.32	5	2,645.57	5	2,282.69
1/4	1/4	1/4	5,139.29	1/4	4,805.27	1/4	4,451.74	1/4	4,089.01	1/4	3,726.26	1/4	3,363.51	1/4	3,000.76	1/4	2,638.01	1/4	2,275.13
1/2	1/2	1/2	5,132.57	1/2	4,798.12	1/2	4,444.20	1/2	4,081.45	1/2	3,718.70	1/2	3,355.95	1/2	2,993.20	1/2	2,630.45	1/2	2,267.57
3/4	3/4	3/4	5,125.82	3/4	4,790.93	3/4	4,436.65	3/4	4,073.90	3/4	3,711.14	3/4	3,348.39	3/4	2,985.64	3/4	2,622.89	3/4	2,260.01
6	6	6	5,119.06	6	4,783.75	6	4,429.09	6	4,066.34	6	3,703.59	6	3,340.84	6	2,978.09	6	2,615.33	6	2,252.45
1/4	1/4	1/4	5,112.31	1/4	4,776.56	1/4	4,421.53	1/4	4,058.78	1/4	3,696.03	1/4	3,333.28	1/4	2,970.53	1/4	2,607.77	1/4	2,244.89
1/2	1/2	1/2	5,105.55	1/2	4,769.38	1/2	4,413.97	1/2	4,051.22	1/2	3,688.47	1/2	3,325.72	1/2	2,962.97	1/2	2,600.21	1/2	2,237.33
3/4	3/4	3/4	5,098.76	3/4	4,762.16	3/4	4,406.42	3/4	4,043.67	3/4	3,680.92	3/4	3,318.17	3/4	2,955.41	3/4	2,592.65	3/4	2,229.77
7	7	7	5,091.98	7	4,754.95	7	4,398.86	7	4,036.11	7	3,673.36	7	3,310.61	7	2,947.86	7	2,585.09	7	2,222.21
1/4	1/4	1/4	5,085.19	1/4	4,747.73	1/4	4,391.30	1/4	4,028.55	1/4	3,665.80	1/4	3,303.05	1/4	2,940.30	1/4	2,577.53	1/4	2,214.65
1/2	1/2	1/2	5,078.40	1/2	4,740.52	1/2	4,383.74	1/2	4,020.99	1/2	3,658.24	1/2	3,295.49	1/2	2,932.74	1/2	2,569.97	1/2	2,207.09
3/4	3/4	3/4	5,071.59	3/4	4,733.24	3/4	4,376.19	3/4	4,013.44	3/4	3,650.69	3/4	3,287.94	3/4	2,925.19	3/4	2,562.41	3/4	2,199.53
8	8	8	5,064.77	8	4,725.97	8	4,368.63	8	4,005.88	8	3,643.13	8	3,280.38	8	2,917.63	8	2,554.85	8	2,191.97
1/4	1/4	1/4	5,057.95	1/4	4,718.70	1/4	4,361.07	1/4	3,998.32	1/4	3,635.57	1/4	3,272.82	1/4	2,910.07	1/4	2,547.29	1/4	2,184.41
1/2	1/2	1/2	5,051.13	1/2	4,711.42	1/2	4,353.52	1/2	3,990.76	1/2	3,628.01	1/2	3,265.26	1/2	2,902.51	1/2	2,539.73	1/2	2,176.85
3/4	3/4	3/4	5,044.29	3/4	4,704.12	3/4	4,345.96	3/4	3,983.21	3/4	3,620.46	3/4	3,257.71	3/4	2,894.96	3/4	2,532.17	3/4	2,169.29
9	9	9	5,037.44	9	4,696.82	9	4,338.40	9	3,975.65	9	3,612.90	9	3,250.15	9	2,887.40	9	2,524.61	9	2,161.73
1/4	1/4	1/4	5,030.59	1/4	4,689.51	1/4	4,330.84	1/4	3,968.09	1/4	3,605.34	1/4	3,242.59	1/4	2,879.84	1/4	2,517.05	1/4	2,154.17
1/2	1/2	1/2	5,023.75	1/2	4,682.21	1/2	4,323.29	1/2	3,960.54	1/2	3,597.79	1/2	3,235.03	1/2	2,872.28	1/2	2,509.49	1/2	2,146.61
3/4	3/4	3/4	5,016.80	3/4	4,674.88	3/4	4,315.73	3/4	3,952.98	3/4	3,590.23	3/4	3,227.48	3/4	2,864.73	3/4	2,501.93	3/4	2,139.05
10	10	10	5,009.85	10	4,667.54	10	4,308.17	10	3,945.42	10	3,582.67	10	3,219.92	10	2,857.17	10	2,494.37	10	2,131.49
1/4	1/4	1/4	5,002.90	1/4	4,660.21	1/4	4,300.61	1/4	3,937.86	1/4	3,575.11	1/4	3,212.36	1/4	2,849.61	1/4	2,486.81	1/4	2,123.93
1/2	1/2	1/2	4,995.95	1/2	4,652.88	1/2	4,293.06	1/2	3,930.31	1/2	3,567.56	1/2	3,204.81	1/2	2,842.06	1/2	2,479.25	1/2	2,116.37
3/4	3/4	3/4	4,988.98	3/4	4,645.51	3/4	4,285.50	3/4	3,922.75	3/4	3,560.00	3/4	3,197.25	3/4	2,834.50	3/4	2,471.69	3/4	2,108.81
11	11	11	4,982.00	11	4,638.15	11	4,277.94	11	3,915.19	11	3,552.44	11	3,189.69	11	2,826.94	11	2,464.13	11	2,101.25
1/4	1/4	1/4	4,975.02	1/4	4,630.79	1/4	4,270.38	1/4	3,907.63	1/4	3,544.88	1/4	3,182.13	1/4	2,819.38	1/4	2,456.57	1/4	2,093.69
1/2	1/2	1/2	4,968.04	1/2	4,623.42	1/2	4,262.83	1/2	3,900.08	1/2	3,537.33	1/2	3,174.58	1/2	2,811.83	1/2	2,449.01	1/2	2,086.13
3/4	3/4	3/4	4,961.04	3/4	4,616.03	3/4	4,255.27	3/4	3,892.52	3/4	3,529.77	3/4	3,167.02	3/4	2,804.27	3/4	2,441.45	3/4	2,078.57

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 44'-09" 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 307"

1 PORT ULLAGE 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	2,071.01	0	1,708.13	0	1,345.25	0	982.78	0	619.99	0	257.12	0		0		0		0	
1/4	2,063.45	1/4	1,700.57	1/4	1,337.69	1/4	975.23	1/4	612.43	1/4	249.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,055.89	1/2	1,693.01	1/2	1,330.13	1/2	967.69	1/2	604.87	1/2	242.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,048.33	3/4	1,685.45	3/4	1,322.57	3/4	960.14	3/4	597.31	3/4	234.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,040.77	1	1,677.89	1	1,315.01	1	952.59	1	589.75	1	226.88	1	1	1	1	1	1	1	1
1/4	2,033.21	1/4	1,670.33	1/4	1,307.45	1/4	945.04	1/4	582.19	1/4	219.32	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,025.65	1/2	1,662.77	1/2	1,299.89	1/2	937.49	1/2	574.63	1/2	211.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,018.09	3/4	1,655.21	3/4	1,292.33	3/4	929.94	3/4	567.07	3/4	204.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,010.53	2	1,647.65	2	1,284.77	2	922.38	2	559.51	2	196.64	2	2	2	2	2	2	2	2
1/4	2,002.97	1/4	1,640.09	1/4	1,277.21	1/4	914.82	1/4	551.95	1/4	189.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,995.41	1/2	1,632.53	1/2	1,269.65	1/2	907.26	1/2	544.39	1/2	181.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,987.85	3/4	1,624.97	3/4	1,262.09	3/4	899.70	3/4	536.83	3/4	173.97	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,980.29	3	1,617.41	3	1,254.53	3	892.14	3	529.27	3	166.41	3	3	3	3	3	3	3	3
1/4	1,972.73	1/4	1,609.85	1/4	1,246.97	1/4	884.58	1/4	521.71	1/4	158.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,965.17	1/2	1,602.29	1/2	1,239.41	1/2	877.02	1/2	514.15	1/2	151.29	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,957.61	3/4	1,594.73	3/4	1,231.86	3/4	869.46	3/4	506.59	3/4	143.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,950.05	4	1,587.17	4	1,224.31	4	861.90	4	499.03	4	136.19	4	4	4	4	4	4	4	4
1/4	1,942.49	1/4	1,579.61	1/4	1,216.77	1/4	854.34	1/4	491.47	1/4	128.64	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,934.93	1/2	1,572.05	1/2	1,209.22	1/2	846.78	1/2	483.91	1/2	121.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,927.37	3/4	1,564.49	3/4	1,201.67	3/4	839.22	3/4	476.35	3/4	113.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,919.81	5	1,556.93	5	1,194.12	5	831.66	5	468.79	5	106.05	5	5	5	5	5	5	5	5
1/4	1,912.25	1/4	1,549.37	1/4	1,186.58	1/4	824.10	1/4	461.23	1/4	98.52	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,904.69	1/2	1,541.81	1/2	1,179.03	1/2	816.54	1/2	453.67	1/2	91.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,897.13	3/4	1,534.25	3/4	1,171.48	3/4	808.98	3/4	446.11	3/4	84.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,889.57	6	1,526.69	6	1,163.93	6	801.42	6	438.55	6	77.14	6	6	6	6	6	6	6	6
1/4	1,882.01	1/4	1,519.13	1/4	1,156.38	1/4	793.86	1/4	430.99	1/4	70.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,874.45	1/2	1,511.57	1/2	1,148.84	1/2	786.30	1/2	423.44	1/2	63.29	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,866.89	3/4	1,504.01	3/4	1,141.29	3/4	778.74	3/4	415.88	3/4	57.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,859.33	7	1,496.45	7	1,133.74	7	771.18	7	408.32	7	51.95	7	7	7	7	7	7	7	7
1/4	1,851.77	1/4	1,488.89	1/4	1,126.19	1/4	763.62	1/4	400.76	1/4	46.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,844.21	1/2	1,481.33	1/2	1,118.64	1/2	756.06	1/2	393.20	1/2	40.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,836.65	3/4	1,473.77	3/4	1,111.10	3/4	748.50	3/4	385.64	3/4	36.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,829.09	8	1,466.21	8	1,103.55	8	740.94	8	378.08	8	31.79	8	8	8	8	8	8	8	8
1/4	1,821.53	1/4	1,458.65	1/4	1,096.00	1/4	733.38	1/4	370.52	1/4	27.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,813.97	1/2	1,451.09	1/2	1,088.45	1/2	725.82	1/2	362.96	1/2	22.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,806.41	3/4	1,443.53	3/4	1,080.90	3/4	718.26	3/4	355.40	1/2		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,798.85	9	1,435.97	9	1,073.36	9	710.70	9	347.84	9		9	9	9	9	9	9	9	9
1/4	1,791.29	1/4	1,428.41	1/4	1,065.81	1/4	703.14	1/4	340.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,783.73	1/2	1,420.85	1/2	1,058.26	1/2	695.58	1/2	332.72	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,776.17	3/4	1,413.29	3/4	1,050.71	3/4	688.02	3/4	325.16	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,768.61	10	1,405.73	10	1,043.17	10	680.46	10	317.60	10	10	10	10	10	10	10	10	10	10
1/4	1,761.05	1/4	1,398.17	1/4	1,035.62	1/4	672.91	1/4	310.04	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,753.49	1/2	1,390.61	1/2	1,028.07	1/2	665.35	1/2	302.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,745.93	3/4	1,383.05	3/4	1,020.52	3/4	657.79	3/4	294.92	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,738.37	11	1,375.49	11	1,012.97	11	650.23	11	287.36	11	11	11	11	11	11	11	11	11	11
1/4	1,730.81	1/4	1,367.93	1/4	1,005.43	1/4	642.67	1/4	279.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,723.25	1/2	1,360.37	1/2	997.88	1/2	635.11	1/2	272.24	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,715.69	3/4	1,352.81	3/4	990.33	3/4	627.55	3/4	264.68	3/4	1/4	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: 06/11/2013 CL - SW
CALCULATED: 06/12/2013 CL
PRINTED: 06/13/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HBC 307"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,966.13	0	4,621.52	0	4,260.92	0	3,898.17	0	3,535.42	0	3,172.67	0	2,809.92	0	2,447.10
1/4		1/4		1/4	4,959.13	1/4	4,614.12	1/4	4,253.36	1/4	3,890.61	1/4	3,527.86	1/4	3,165.11	1/4	2,802.36	1/4	2,439.54
1/2		1/2		1/2	4,952.12	1/2	4,606.73	1/2	4,245.81	1/2	3,883.06	1/2	3,520.31	1/2	3,157.55	1/2	2,794.80	1/2	2,431.98
3/4		3/4		3/4	4,945.12	3/4	4,599.34	3/4	4,238.25	3/4	3,875.50	3/4	3,512.75	3/4	3,150.00	3/4	2,787.25	3/4	2,424.42
1		1	5,247.94	1	4,938.11	1	4,591.95	1	4,230.69	1	3,867.94	1	3,505.19	1	3,142.44	1	2,779.69	1	2,416.86
1/4		1/4	5,243.60	1/4	4,931.08	1/4	4,584.52	1/4	4,223.13	1/4	3,860.38	1/4	3,497.63	1/4	3,134.88	1/4	2,772.13	1/4	2,409.30
1/2		1/2	5,239.27	1/2	4,924.04	1/2	4,577.10	1/2	4,215.58	1/2	3,852.83	1/2	3,490.08	1/2	3,127.33	1/2	2,764.58	1/2	2,401.74
3/4		3/4	5,234.93	3/4	4,917.01	3/4	4,569.68	3/4	4,208.02	3/4	3,845.27	3/4	3,482.52	3/4	3,119.77	3/4	2,757.02	3/4	2,394.18
2		2	5,230.59	2	4,909.97	2	4,562.25	2	4,200.46	2	3,837.71	2	3,474.96	2	3,112.21	2	2,749.46	2	2,386.62
1/4		1/4	5,225.02	1/4	4,902.91	1/4	4,554.80	1/4	4,192.91	1/4	3,830.15	1/4	3,467.40	1/4	3,104.65	1/4	2,741.90	1/4	2,379.06
1/2		1/2	5,219.46	1/2	4,895.84	1/2	4,547.35	1/2	4,185.35	1/2	3,822.60	1/2	3,459.85	1/2	3,097.10	1/2	2,734.35	1/2	2,371.50
3/4		3/4	5,213.89	3/4	4,888.77	3/4	4,539.90	3/4	4,177.79	3/4	3,815.04	3/4	3,452.29	3/4	3,089.54	3/4	2,726.79	3/4	2,363.94
3		3	5,208.32	3	4,881.71	3	4,532.44	3	4,170.23	3	3,807.48	3	3,444.73	3	3,081.98	3	2,719.23	3	2,356.38
1/4		1/4	5,202.28	1/4	4,874.61	1/4	4,524.96	1/4	4,162.68	1/4	3,799.93	1/4	3,437.18	1/4	3,074.42	1/4	2,711.67	1/4	2,348.82
1/2		1/2	5,196.25	1/2	4,867.52	1/2	4,517.48	1/2	4,155.12	1/2	3,792.37	1/2	3,429.62	1/2	3,066.87	1/2	2,704.12	1/2	2,341.26
3/4		3/4	5,190.21	3/4	4,860.42	3/4	4,510.00	3/4	4,147.56	3/4	3,784.81	3/4	3,422.06	3/4	3,059.31	3/4	2,696.56	3/4	2,333.70
4		4	5,184.18	4	4,853.33	4	4,502.51	4	4,140.00	4	3,777.25	4	3,414.50	4	3,051.75	4	2,689.00	4	2,326.14
1/4		1/4	5,177.52	1/4	4,846.20	1/4	4,495.00	1/4	4,132.45	1/4	3,769.70	1/4	3,406.95	1/4	3,044.20	1/4	2,681.45	1/4	2,318.58
1/2		1/2	5,170.86	1/2	4,839.08	1/2	4,487.49	1/2	4,124.89	1/2	3,762.14	1/2	3,399.39	1/2	3,036.64	1/2	2,673.89	1/2	2,311.02
3/4		3/4	5,164.19	3/4	4,831.95	3/4	4,479.98	3/4	4,117.33	3/4	3,754.58	3/4	3,391.83	3/4	3,029.08	3/4	2,666.33	3/4	2,303.46
5		5	5,157.53	5	4,824.83	5	4,472.46	5	4,109.77	5	3,747.02	5	3,384.27	5	3,021.52	5	2,658.77	5	2,295.90
1/4		1/4	5,150.82	1/4	4,817.67	1/4	4,464.92	1/4	4,102.22	1/4	3,739.47	1/4	3,376.72	1/4	3,013.97	1/4	2,651.22	1/4	2,288.34
1/2		1/2	5,144.10	1/2	4,810.52	1/2	4,457.38	1/2	4,094.66	1/2	3,731.91	1/2	3,369.16	1/2	3,006.41	1/2	2,643.66	1/2	2,280.78
3/4		3/4	5,137.38	3/4	4,803.36	3/4	4,449.84	3/4	4,087.10	3/4	3,724.35	3/4	3,361.60	3/4	2,998.85	3/4	2,636.10	3/4	2,273.22
6		6	5,130.66	6	4,796.21	6	4,442.30	6	4,079.55	6	3,716.80	6	3,354.04	6	2,991.29	6	2,628.54	6	2,265.66
1/4		1/4	5,123.91	1/4	4,789.02	1/4	4,434.74	1/4	4,071.99	1/4	3,709.24	1/4	3,346.49	1/4	2,983.74	1/4	2,620.98	1/4	2,258.10
1/2		1/2	5,117.15	1/2	4,781.84	1/2	4,427.18	1/2	4,064.43	1/2	3,701.68	1/2	3,338.93	1/2	2,976.18	1/2	2,613.42	1/2	2,250.54
3/4		3/4	5,110.40	3/4	4,774.66	3/4	4,419.62	3/4	4,056.87	3/4	3,694.12	3/4	3,331.37	3/4	2,968.62	3/4	2,605.86	3/4	2,242.98
7		7	5,103.64	7	4,767.47	7	4,412.07	7	4,049.32	7	3,686.57	7	3,323.82	7	2,961.07	7	2,598.30	7	2,235.42
1/4		1/4	5,096.85	1/4	4,760.26	1/4	4,404.51	1/4	4,041.76	1/4	3,679.01	1/4	3,316.26	1/4	2,953.51	1/4	2,590.74	1/4	2,227.86
1/2		1/2	5,090.07	1/2	4,753.04	1/2	4,396.95	1/2	4,034.20	1/2	3,671.45	1/2	3,308.70	1/2	2,945.95	1/2	2,583.18	1/2	2,220.30
3/4		3/4	5,083.28	3/4	4,745.83	3/4	4,389.39	3/4	4,026.64	3/4	3,663.89	3/4	3,301.14	3/4	2,938.39	3/4	2,575.62	3/4	2,212.74
8		8	5,076.49	8	4,738.61	8	4,381.84	8	4,019.09	8	3,656.34	8	3,293.59	8	2,930.84	8	2,568.06	8	2,205.18
1/4		1/4	5,069.68	1/4	4,731.34	1/4	4,374.28	1/4	4,011.53	1/4	3,648.78	1/4	3,286.03	1/4	2,923.28	1/4	2,560.50	1/4	2,197.62
1/2		1/2	5,062.86	1/2	4,724.06	1/2	4,366.72	1/2	4,003.97	1/2	3,641.22	1/2	3,278.47	1/2	2,915.72	1/2	2,552.94	1/2	2,190.06
3/4		3/4	5,056.04	3/4	4,716.79	3/4	4,359.17	3/4	3,996.42	3/4	3,633.66	3/4	3,270.91	3/4	2,908.16	3/4	2,545.38	3/4	2,182.50
9		9	5,049.23	9	4,709.52	9	4,351.61	9	3,988.86	9	3,626.11	9	3,263.36	9	2,900.61	9	2,537.82	9	2,174.94
1/4		1/4	5,042.38	1/4	4,702.21	1/4	4,344.05	1/4	3,981.30	1/4	3,618.55	1/4	3,255.80	1/4	2,893.05	1/4	2,530.26	1/4	2,167.38
1/2		1/2	5,035.53	1/2	4,694.91	1/2	4,336.49	1/2	3,973.74	1/2	3,610.99	1/2	3,248.24	1/2	2,885.49	1/2	2,522.70	1/2	2,159.82
3/4		3/4	5,028.69	3/4	4,687.61	3/4	4,328.94	3/4	3,966.19	3/4	3,603.44	3/4	3,240.69	3/4	2,877.93	3/4	2,515.14	3/4	2,152.26
10		10	5,021.84	10	4,680.30	10	4,321.38	10	3,958.63	10	3,595.88	10	3,233.13	10	2,870.38	10	2,507.58	10	2,144.70
1/4		1/4	5,014.89	1/4	4,672.97	1/4	4,313.82	1/4	3,951.07	1/4	3,588.32	1/4	3,225.57	1/4	2,862.82	1/4	2,500.02	1/4	2,137.14
1/2		1/2	5,007.94	1/2	4,665.64	1/2	4,306.26	1/2	3,943.51	1/2	3,580.76	1/2	3,218.01	1/2	2,855.26	1/2	2,492.46	1/2	2,129.58
3/4		3/4	5,001.00	3/4	4,658.30	3/4	4,298.71	3/4	3,935.96	3/4	3,573.21	3/4	3,210.46	3/4	2,847.71	3/4	2,484.90	3/4	2,122.02
11		11	4,994.05	11	4,650.97	11	4,291.15	11	3,928.40	11	3,565.65	11	3,202.90	11	2,840.15	11	2,477.34	11	2,114.46
1/4		1/4	4,987.07	1/4	4,643.61	1/4	4,283.59	1/4	3,920.84	1/4	3,558.09	1/4	3,195.34	1/4	2,832.59	1/4	2,469.78	1/4	2,106.90
1/2		1/2	4,980.09	1/2	4,636.24	1/2	4,276.04	1/2	3,913.28	1/2	3,550.53	1/2	3,187.78	1/2	2,825.03	1/2	2,462.22	1/2	2,099.34
3/4		3/4	4,973.11	3/4	4,628.88	3/4	4,268.48	3/4	3,905.73	3/4	3,542.98	3/4	3,180.23	3/4	2,817.48	3/4	2,454.66	3/4	2,091.78

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 44'-09" 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 307"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	2,084.22	0	1,721.34	0	1,358.46	0	997.40	0	635.10	0	272.24	0		0		0		0	
1/4	2,076.66	1/4	1,713.78	1/4	1,350.90	1/4	989.89	1/4	627.54	1/4	264.68	1/4		1/4		1/4		1/4	
1/2	2,069.10	1/2	1,706.22	1/2	1,343.34	1/2	982.38	1/2	619.98	1/2	257.12	1/2		1/2		1/2		1/2	
3/4	2,061.54	3/4	1,698.66	3/4	1,335.78	3/4	974.88	3/4	612.42	3/4	249.56	3/4		3/4		3/4		3/4	
1	2,053.98	1	1,691.10	1	1,328.22	1	967.37	1	604.86	1	242.00	1		1		1		1	
1/4	2,046.42	1/4	1,683.54	1/4	1,320.66	1/4	959.86	1/4	597.30	1/4	234.44	1/4		1/4		1/4		1/4	
1/2	2,038.86	1/2	1,675.98	1/2	1,313.10	1/2	952.35	1/2	589.74	1/2	226.88	1/2		1/2		1/2		1/2	
3/4	2,031.30	3/4	1,668.42	3/4	1,305.54	3/4	944.84	3/4	582.18	3/4	219.32	3/4		3/4		3/4		3/4	
2	2,023.74	2	1,660.86	2	1,297.98	2	937.33	2	574.62	2	211.76	2		2		2		2	
1/4	2,016.18	1/4	1,653.30	1/4	1,290.42	1/4	929.81	1/4	567.06	1/4	204.20	1/4		1/4		1/4		1/4	
1/2	2,008.62	1/2	1,645.74	1/2	1,282.86	1/2	922.29	1/2	559.50	1/2	196.64	1/2		1/2		1/2		1/2	
3/4	2,001.06	3/4	1,638.18	3/4	1,275.30	3/4	914.77	3/4	551.94	3/4	189.08	3/4		3/4		3/4		3/4	
3	1,993.50	3	1,630.62	3	1,267.74	3	907.25	3	544.38	3	181.52	3		3		3		3	
1/4	1,985.94	1/4	1,623.06	1/4	1,260.22	1/4	899.69	1/4	536.82	1/4	173.96	1/4		1/4		1/4		1/4	
1/2	1,978.38	1/2	1,615.50	1/2	1,252.70	1/2	892.13	1/2	529.27	1/2	166.40	1/2		1/2		1/2		1/2	
3/4	1,970.82	3/4	1,607.94	3/4	1,245.18	3/4	884.57	3/4	521.71	3/4	158.84	3/4		3/4		3/4		3/4	
4	1,963.26	4	1,600.38	4	1,237.66	4	877.01	4	514.15	4	151.28	4		4		4		4	
1/4	1,955.70	1/4	1,592.82	1/4	1,230.15	1/4	869.45	1/4	506.59	1/4	143.74	1/4		1/4		1/4		1/4	
1/2	1,948.14	1/2	1,585.26	1/2	1,222.65	1/2	861.89	1/2	499.03	1/2	136.19	1/2		1/2		1/2		1/2	
3/4	1,940.58	3/4	1,577.70	3/4	1,215.14	3/4	854.33	3/4	491.47	3/4	128.64	3/4		3/4		3/4		3/4	
5	1,933.02	5	1,570.14	5	1,207.63	5	846.77	5	483.91	5	121.09	5		5		5		5	
1/4	1,925.46	1/4	1,562.58	1/4	1,200.12	1/4	839.21	1/4	476.35	1/4	113.56	1/4		1/4		1/4		1/4	
1/2	1,917.90	1/2	1,555.02	1/2	1,192.61	1/2	831.65	1/2	468.79	1/2	106.04	1/2		1/2		1/2		1/2	
3/4	1,910.34	3/4	1,547.46	3/4	1,185.11	3/4	824.09	3/4	461.23	3/4	98.52	3/4		3/4		3/4		3/4	
6	1,902.78	6	1,539.90	6	1,177.60	6	816.53	6	453.67	6	90.99	6		6		6		6	
1/4	1,895.22	1/4	1,532.34	1/4	1,170.09	1/4	808.97	1/4	446.11	1/4	84.06	1/4		1/4		1/4		1/4	
1/2	1,887.66	1/2	1,524.78	1/2	1,162.58	1/2	801.41	1/2	438.55	1/2	77.14	1/2		1/2		1/2		1/2	
3/4	1,880.10	3/4	1,517.22	3/4	1,155.07	3/4	793.85	3/4	430.99	3/4	70.21	3/4		3/4		3/4		3/4	
7	1,872.54	7	1,509.66	7	1,147.56	7	786.29	7	423.43	7	63.28	7		7		7		7	
1/4	1,864.98	1/4	1,502.10	1/4	1,140.06	1/4	778.74	1/4	415.87	1/4	57.61	1/4		1/4		1/4		1/4	
1/2	1,857.42	1/2	1,494.54	1/2	1,132.55	1/2	771.18	1/2	408.31	1/2	51.94	1/2		1/2		1/2		1/2	
3/4	1,849.86	3/4	1,486.98	3/4	1,125.04	3/4	763.62	3/4	400.75	3/4	46.27	3/4		3/4		3/4		3/4	
8	1,842.30	8	1,479.42	8	1,117.53	8	756.06	8	393.19	8	40.60	8		8		8		8	
1/4	1,834.74	1/4	1,471.86	1/4	1,110.02	1/4	748.50	1/4	385.63	1/4	36.20	1/4		1/4		1/4		1/4	
1/2	1,827.18	1/2	1,464.30	1/2	1,102.52	1/2	740.94	1/2	378.07	1/2	31.79	1/2		1/2		1/2		1/2	
3/4	1,819.62	3/4	1,456.74	3/4	1,095.01	3/4	733.38	3/4	370.51	3/4	27.38	3/4		3/4		3/4		3/4	
9	1,812.06	9	1,449.18	9	1,087.50	9	725.82	9	362.95	9	22.98	9		9		9		9	
1/4	1,804.50	1/4	1,441.62	1/4	1,079.99	1/4	718.26	1/4	355.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,796.94	1/2	1,434.06	1/2	1,072.48	1/2	710.70	1/2	347.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,789.38	3/4	1,426.50	3/4	1,064.97	3/4	703.14	3/4	340.27	3/4		3/4		3/4		3/4		3/4	
10	1,781.82	10	1,418.94	10	1,057.47	10	695.58	10	332.71	10		10		10		10		10	
1/4	1,774.26	1/4	1,411.38	1/4	1,049.96	1/4	688.02	1/4	325.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,766.70	1/2	1,403.82	1/2	1,042.45	1/2	680.46	1/2	317.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,759.14	3/4	1,396.26	3/4	1,034.94	3/4	672.90	3/4	310.03	3/4		3/4		3/4		3/4		3/4	
11	1,751.58	11	1,388.70	11	1,027.43	11	665.34	11	302.47	11		11		11		11		11	
1/4	1,744.02	1/4	1,381.14	1/4	1,019.93	1/4	657.78	1/4	294.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,736.46	1/2	1,373.58	1/2	1,012.42	1/2	650.22	1/2	287.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,728.90	3/4	1,366.02	3/4	1,004.91	3/4	642.66	3/4	279.79	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2013 CL - SW
CALCULATED: 06/12/2013 CL
PRINTED: 06/13/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

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



BARGE "HBC 307"

2 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	
0		0		0	4,930.87	0	4,587.10	0	4,227.87	0	3,866.82	0	3,505.76	0	3,144.70	0	2,783.65	0	2,422.52
1/4		1/4		1/4	4,923.90	1/4	4,579.74	1/4	4,220.35	1/4	3,859.29	1/4	3,498.24	1/4	3,137.18	1/4	2,776.13	1/4	2,415.00
1/2		1/2	5,225.28	1/2	4,916.92	1/2	4,572.39	1/2	4,212.83	1/2	3,851.77	1/2	3,490.72	1/2	3,129.66	1/2	2,768.60	1/2	2,407.47
3/4		3/4	5,220.96	3/4	4,909.92	3/4	4,565.00	3/4	4,205.31	3/4	3,844.25	3/4	3,483.19	3/4	3,122.14	3/4	2,761.08	3/4	2,399.95
1		1	5,216.65	1	4,902.92	1	4,557.61	1	4,197.78	1	3,836.73	1	3,475.67	1	3,114.62	1	2,753.56	1	2,392.42
1/4		1/4	5,212.33	1/4	4,895.92	1/4	4,550.22	1/4	4,190.26	1/4	3,829.21	1/4	3,468.15	1/4	3,107.09	1/4	2,746.04	1/4	2,384.90
1/2		1/2	5,208.01	1/2	4,888.91	1/2	4,542.83	1/2	4,182.74	1/2	3,821.68	1/2	3,460.63	1/2	3,099.57	1/2	2,738.52	1/2	2,377.37
3/4		3/4	5,202.47	3/4	4,881.88	3/4	4,535.42	3/4	4,175.22	3/4	3,814.16	3/4	3,453.11	3/4	3,092.05	3/4	2,730.99	3/4	2,369.85
2		2	5,196.93	2	4,874.85	2	4,528.00	2	4,167.70	2	3,806.64	2	3,445.58	2	3,084.53	2	2,723.47	2	2,362.32
1/4		1/4	5,191.39	1/4	4,867.82	1/4	4,520.58	1/4	4,160.17	1/4	3,799.12	1/4	3,438.06	1/4	3,077.01	1/4	2,715.95	1/4	2,354.80
1/2		1/2	5,185.85	1/2	4,860.79	1/2	4,513.16	1/2	4,152.65	1/2	3,791.60	1/2	3,430.54	1/2	3,069.48	1/2	2,708.43	1/2	2,347.27
3/4		3/4	5,179.84	3/4	4,853.73	3/4	4,505.71	3/4	4,145.13	3/4	3,784.07	3/4	3,423.02	3/4	3,061.96	3/4	2,700.91	3/4	2,339.75
3		3	5,173.83	3	4,846.66	3	4,498.27	3	4,137.61	3	3,776.55	3	3,415.50	3	3,054.44	3	2,693.38	3	2,332.23
1/4		1/4	5,167.83	1/4	4,839.60	1/4	4,490.82	1/4	4,130.09	1/4	3,769.03	1/4	3,407.97	1/4	3,046.92	1/4	2,685.86	1/4	2,324.70
1/2		1/2	5,161.82	1/2	4,832.54	1/2	4,483.37	1/2	4,122.56	1/2	3,761.51	1/2	3,400.45	1/2	3,039.40	1/2	2,678.34	1/2	2,317.18
3/4		3/4	5,155.19	3/4	4,825.45	3/4	4,475.89	3/4	4,115.04	3/4	3,753.99	3/4	3,392.93	3/4	3,031.87	3/4	2,670.82	3/4	2,309.65
4		4	5,148.56	4	4,818.36	4	4,468.42	4	4,107.52	4	3,746.46	4	3,385.41	4	3,024.35	4	2,663.30	4	2,302.13
1/4		1/4	5,141.93	1/4	4,811.27	1/4	4,460.94	1/4	4,100.00	1/4	3,738.94	1/4	3,377.89	1/4	3,016.83	1/4	2,655.77	1/4	2,294.60
1/2		1/2	5,135.30	1/2	4,804.17	1/2	4,453.46	1/2	4,092.48	1/2	3,731.42	1/2	3,370.36	1/2	3,009.31	1/2	2,648.25	1/2	2,287.08
3/4		3/4	5,128.62	3/4	4,797.05	3/4	4,445.96	3/4	4,084.95	3/4	3,723.90	3/4	3,362.84	3/4	3,001.79	3/4	2,640.73	3/4	2,279.55
5		5	5,121.93	5	4,789.93	5	4,438.45	5	4,077.43	5	3,716.38	5	3,355.32	5	2,994.26	5	2,633.21	5	2,272.03
1/4		1/4	5,115.25	1/4	4,782.81	1/4	4,430.95	1/4	4,069.91	1/4	3,708.85	1/4	3,347.80	1/4	2,986.74	1/4	2,625.69	1/4	2,264.50
1/2		1/2	5,108.56	1/2	4,775.69	1/2	4,423.44	1/2	4,062.39	1/2	3,701.33	1/2	3,340.28	1/2	2,979.22	1/2	2,618.16	1/2	2,256.98
3/4		3/4	5,101.84	3/4	4,768.54	3/4	4,415.92	3/4	4,054.87	3/4	3,693.81	3/4	3,332.75	3/4	2,971.70	3/4	2,610.64	3/4	2,249.45
6		6	5,095.12	6	4,761.39	6	4,408.40	6	4,047.34	6	3,686.29	6	3,325.23	6	2,964.18	6	2,603.11	6	2,241.93
1/4		1/4	5,088.39	1/4	4,754.24	1/4	4,400.88	1/4	4,039.82	1/4	3,678.77	1/4	3,317.71	1/4	2,956.65	1/4	2,595.59	1/4	2,234.40
1/2		1/2	5,081.67	1/2	4,747.09	1/2	4,393.36	1/2	4,032.30	1/2	3,671.24	1/2	3,310.19	1/2	2,949.13	1/2	2,588.06	1/2	2,226.88
3/4		3/4	5,074.91	3/4	4,739.91	3/4	4,385.83	3/4	4,024.78	3/4	3,663.72	3/4	3,302.67	3/4	2,941.61	3/4	2,580.54	3/4	2,219.35
7		7	5,068.16	7	4,732.73	7	4,378.31	7	4,017.26	7	3,656.20	7	3,295.14	7	2,934.09	7	2,573.02	7	2,211.83
1/4		1/4	5,061.40	1/4	4,725.54	1/4	4,370.79	1/4	4,009.73	1/4	3,648.68	1/4	3,287.62	1/4	2,926.57	1/4	2,565.49	1/4	2,204.31
1/2		1/2	5,054.65	1/2	4,718.36	1/2	4,363.27	1/2	4,002.21	1/2	3,641.16	1/2	3,280.10	1/2	2,919.04	1/2	2,557.97	1/2	2,196.78
3/4		3/4	5,047.86	3/4	4,711.12	3/4	4,355.75	3/4	3,994.69	3/4	3,633.63	3/4	3,272.58	3/4	2,911.52	3/4	2,550.44	3/4	2,189.26
8		8	5,041.08	8	4,703.89	8	4,348.22	8	3,987.17	8	3,626.11	8	3,265.06	8	2,904.00	8	2,542.92	8	2,181.73
1/4		1/4	5,034.30	1/4	4,696.65	1/4	4,340.70	1/4	3,979.65	1/4	3,618.59	1/4	3,257.53	1/4	2,896.48	1/4	2,535.39	1/4	2,174.21
1/2		1/2	5,027.51	1/2	4,689.41	1/2	4,333.18	1/2	3,972.12	1/2	3,611.07	1/2	3,250.01	1/2	2,888.96	1/2	2,527.87	1/2	2,166.68
3/4		3/4	5,020.70	3/4	4,682.14	3/4	4,325.66	3/4	3,964.60	3/4	3,603.55	3/4	3,242.49	3/4	2,881.43	3/4	2,520.34	3/4	2,159.16
9		9	5,013.88	9	4,674.87	9	4,318.14	9	3,957.08	9	3,596.02	9	3,234.97	9	2,873.91	9	2,512.82	9	2,151.63
1/4		1/4	5,007.07	1/4	4,667.60	1/4	4,310.61	1/4	3,949.56	1/4	3,588.50	1/4	3,227.45	1/4	2,866.39	1/4	2,505.29	1/4	2,144.11
1/2		1/2	5,000.26	1/2	4,660.33	1/2	4,303.09	1/2	3,942.04	1/2	3,580.98	1/2	3,219.92	1/2	2,858.87	1/2	2,497.77	1/2	2,136.58
3/4		3/4	4,993.34	3/4	4,653.03	3/4	4,295.57	3/4	3,934.51	3/4	3,573.46	3/4	3,212.40	3/4	2,851.35	3/4	2,490.24	3/4	2,129.06
10		10	4,986.42	10	4,645.73	10	4,288.05	10	3,926.99	10	3,565.94	10	3,204.88	10	2,843.82	10	2,482.72	10	2,121.53
1/4		1/4	4,979.51	1/4	4,638.43	1/4	4,280.53	1/4	3,919.47	1/4	3,558.41	1/4	3,197.36	1/4	2,836.30	1/4	2,475.19	1/4	2,114.01
1/2		1/2	4,972.59	1/2	4,631.13	1/2	4,273.00	1/2	3,911.95	1/2	3,550.89	1/2	3,189.84	1/2	2,828.78	1/2	2,467.67	1/2	2,106.48
3/4		3/4	4,965.65	3/4	4,623.81	3/4	4,265.48	3/4	3,904.43	3/4	3,543.37	3/4	3,182.31	3/4	2,821.26	3/4	2,460.14	3/4	2,098.96
11		11	4,958.70	11	4,616.48	11	4,257.96	11	3,896.90	11	3,535.85	11	3,174.79	11	2,813.74	11	2,452.62	11	2,091.43
1/4		1/4	4,951.76	1/4	4,609.15	1/4	4,250.44	1/4	3,889.38	1/4	3,528.33	1/4	3,167.27	1/4	2,806.21	1/4	2,445.10	1/4	2,083.91
1/2		1/2	4,944.81	1/2	4,601.82	1/2	4,242.92	1/2	3,881.86	1/2	3,520.80	1/2	3,159.75	1/2	2,798.69	1/2	2,437.57	1/2	2,076.39
3/4		3/4	4,937.84	3/4	4,594.46	3/4	4,235.39	3/4	3,874.34	3/4	3,513.28	3/4	3,152.23	3/4	2,791.17	3/4	2,430.05	3/4	2,068.86

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 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 307"

2 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	2,053.81	1/4	1,692.63	1/4	1,331.44	1/4	970.68	1/4	609.57	1/4	248.40	1/4		1/4		1/4		1/4	
1/2	2,046.29	1/2	1,685.10	1/2	1,323.92	1/2	963.17	1/2	602.05	1/2	240.87	1/2		1/2		1/2		1/2	
3/4	2,038.76	3/4	1,677.58	3/4	1,316.39	3/4	955.66	3/4	594.52	3/4	233.35	3/4		3/4		3/4		3/4	
1	2,031.24	1	1,670.05	1	1,308.87	1	948.14	1	587.00	1	225.83	1		1		1		1	
1/4	2,023.71	1/4	1,662.53	1/4	1,301.34	1/4	940.63	1/4	579.47	1/4	218.30	1/4		1/4		1/4		1/4	
1/2	2,016.19	1/2	1,655.00	1/2	1,293.82	1/2	933.12	1/2	571.95	1/2	210.78	1/2		1/2		1/2		1/2	
3/4	2,008.66	3/4	1,647.48	3/4	1,286.29	3/4	925.59	3/4	564.42	3/4	203.25	3/4		3/4		3/4		3/4	
2	2,001.14	2	1,639.95	2	1,278.77	2	918.07	2	556.90	2	195.73	2		2		2		2	
1/4	1,993.61	1/4	1,632.43	1/4	1,271.24	1/4	910.55	1/4	549.37	1/4	188.20	1/4		1/4		1/4		1/4	
1/2	1,986.09	1/2	1,624.90	1/2	1,263.72	1/2	903.02	1/2	541.85	1/2	180.68	1/2		1/2		1/2		1/2	
3/4	1,978.56	3/4	1,617.38	3/4	1,256.19	3/4	895.50	3/4	534.33	3/4	173.16	3/4		3/4		3/4		3/4	
3	1,971.04	3	1,609.85	3	1,248.67	3	887.97	3	526.80	3	165.63	3		3		3		3	
1/4	1,963.51	1/4	1,602.33	1/4	1,241.14	1/4	880.45	1/4	519.28	1/4	158.11	1/4		1/4		1/4		1/4	
1/2	1,955.99	1/2	1,594.80	1/2	1,233.62	1/2	872.92	1/2	511.75	1/2	150.59	1/2		1/2		1/2		1/2	
3/4	1,948.47	3/4	1,587.28	3/4	1,226.11	3/4	865.40	3/4	504.23	3/4	143.07	3/4		3/4		3/4		3/4	
4	1,940.94	4	1,579.76	4	1,218.59	4	857.87	4	496.70	4	135.56	4		4		4		4	
1/4	1,933.42	1/4	1,572.23	1/4	1,211.08	1/4	850.35	1/4	489.18	1/4	128.04	1/4		1/4		1/4		1/4	
1/2	1,925.89	1/2	1,564.71	1/2	1,203.57	1/2	842.83	1/2	481.65	1/2	120.53	1/2		1/2		1/2		1/2	
3/4	1,918.37	3/4	1,557.18	3/4	1,196.06	3/4	835.30	3/4	474.13	3/4	113.04	3/4		3/4		3/4		3/4	
5	1,910.84	5	1,549.66	5	1,188.54	5	827.78	5	466.61	5	105.55	5		5		5		5	
1/4	1,903.32	1/4	1,542.13	1/4	1,181.03	1/4	820.25	1/4	459.08	1/4	98.06	1/4		1/4		1/4		1/4	
1/2	1,895.79	1/2	1,534.61	1/2	1,173.52	1/2	812.73	1/2	451.56	1/2	90.57	1/2		1/2		1/2		1/2	
3/4	1,888.27	3/4	1,527.08	3/4	1,166.01	3/4	805.20	3/4	444.03	3/4	83.68	3/4		3/4		3/4		3/4	
6	1,880.74	6	1,519.56	6	1,158.49	6	797.68	6	436.51	6	76.78	6		6		6		6	
1/4	1,873.22	1/4	1,512.03	1/4	1,150.98	1/4	790.16	1/4	428.98	1/4	69.89	1/4		1/4		1/4		1/4	
1/2	1,865.69	1/2	1,504.51	1/2	1,143.47	1/2	782.63	1/2	421.46	1/2	62.99	1/2		1/2		1/2		1/2	
3/4	1,858.17	3/4	1,496.98	3/4	1,135.96	3/4	775.11	3/4	413.94	3/4	57.35	3/4		3/4		3/4		3/4	
7	1,850.64	7	1,489.46	7	1,128.44	7	767.58	7	406.41	7	51.71	7		7		7		7	
1/4	1,843.12	1/4	1,481.93	1/4	1,120.93	1/4	760.06	1/4	398.89	1/4	46.07	1/4		1/4		1/4		1/4	
1/2	1,835.59	1/2	1,474.41	1/2	1,113.42	1/2	752.53	1/2	391.36	1/2	40.42	1/2		1/2		1/2		1/2	
3/4	1,828.07	3/4	1,466.88	3/4	1,105.91	3/4	745.01	3/4	383.84	3/4	36.04	3/4		3/4		3/4		3/4	
8	1,820.55	8	1,459.36	8	1,098.39	8	737.48	8	376.31	8	31.65	8		8		8		8	
1/4	1,813.02	1/4	1,451.84	1/4	1,090.88	1/4	729.96	1/4	368.79	1/4	27.26	1/4		1/4		1/4		1/4	
1/2	1,805.50	1/2	1,444.31	1/2	1,083.37	1/2	722.44	1/2	361.26	1/2	22.87	1/2		1/2		1/2		1/2	
3/4	1,797.97	3/4	1,436.79	3/4	1,075.86	3/4	714.91	3/4	353.74	3/4		3/4		3/4		3/4		3/4	
9	1,790.45	9	1,429.26	9	1,068.34	9	707.39	9	346.22	9		9		9		9		9	
1/4	1,782.92	1/4	1,421.74	1/4	1,060.83	1/4	699.86	1/4	338.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,775.40	1/2	1,414.21	1/2	1,053.32	1/2	692.34	1/2	331.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,767.87	3/4	1,406.69	3/4	1,045.81	3/4	684.81	3/4	323.64	3/4		3/4		3/4		3/4		3/4	
10	1,760.35	10	1,399.16	10	1,038.29	10	677.29	10	316.12	10		10		10		10		10	
1/4	1,752.82	1/4	1,391.64	1/4	1,030.78	1/4	669.76	1/4	308.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,745.30	1/2	1,384.11	1/2	1,023.27	1/2	662.24	1/2	301.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,737.77	3/4	1,376.59	3/4	1,015.76	3/4	654.72	3/4	293.54	3/4		3/4		3/4		3/4		3/4	
11	1,730.25	11	1,369.06	11	1,008.24	11	647.19	11	286.02	11		11		11		11		11	
1/4	1,722.72	1/4	1,361.54	1/4	1,000.73	1/4	639.67	1/4	278.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,715.20	1/2	1,354.01	1/2	993.22	1/2	632.14	1/2	270.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,707.67	3/4	1,346.49	3/4	985.71	3/4	624.62	3/4	263.45	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2013 CL - SW
CALCULATED: 06/12/2013 CL
PRINTED: 06/13/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

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



BARGE "HBC 307"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0		0		0	4,913.22	0	4,569.58	0	4,210.46	0	3,849.54	0	3,488.62	0	3,127.70	0	2,766.78	0	2,405.78
1/4		1/4		1/4	4,906.25	1/4	4,562.22	1/4	4,202.94	1/4	3,842.02	1/4	3,481.10	1/4	3,120.18	1/4	2,759.26	1/4	2,398.26
1/2		1/2	5,207.53	1/2	4,899.28	1/2	4,554.87	1/2	4,195.42	1/2	3,834.50	1/2	3,473.58	1/2	3,112.66	1/2	2,751.74	1/2	2,390.74
3/4		3/4	5,203.22	3/4	4,892.28	3/4	4,547.48	3/4	4,187.90	3/4	3,826.98	3/4	3,466.06	3/4	3,105.14	3/4	2,744.22	3/4	2,383.21
1		1	5,198.90	1	4,885.28	1	4,540.10	1	4,180.38	1	3,819.46	1	3,458.54	1	3,097.62	1	2,736.70	1	2,375.69
1/4		1/4	5,194.59	1/4	4,878.28	1/4	4,532.71	1/4	4,172.87	1/4	3,811.94	1/4	3,451.02	1/4	3,090.10	1/4	2,729.18	1/4	2,368.17
1/2		1/2	5,190.27	1/2	4,871.28	1/2	4,525.33	1/2	4,165.35	1/2	3,804.42	1/2	3,443.50	1/2	3,082.58	1/2	2,721.66	1/2	2,360.65
3/4		3/4	5,184.73	3/4	4,864.25	3/4	4,517.91	3/4	4,157.83	3/4	3,796.91	3/4	3,435.98	3/4	3,075.06	3/4	2,714.14	3/4	2,353.13
2		2	5,179.19	2	4,857.22	2	4,510.49	2	4,150.31	2	3,789.39	2	3,428.46	2	3,067.54	2	2,706.62	2	2,345.60
1/4		1/4	5,173.65	1/4	4,850.19	1/4	4,503.08	1/4	4,142.79	1/4	3,781.87	1/4	3,420.95	1/4	3,060.02	1/4	2,699.10	1/4	2,338.08
1/2		1/2	5,168.11	1/2	4,843.17	1/2	4,495.66	1/2	4,135.27	1/2	3,774.35	1/2	3,413.43	1/2	3,052.50	1/2	2,691.58	1/2	2,330.56
3/4		3/4	5,162.11	3/4	4,836.11	3/4	4,488.22	3/4	4,127.75	3/4	3,766.83	3/4	3,405.91	3/4	3,044.99	3/4	2,684.06	3/4	2,323.04
3		3	5,156.10	3	4,829.05	3	4,480.77	3	4,120.23	3	3,759.31	3	3,398.39	3	3,037.47	3	2,676.54	3	2,315.52
1/4		1/4	5,150.10	1/4	4,821.99	1/4	4,473.33	1/4	4,112.71	1/4	3,751.79	1/4	3,390.87	1/4	3,029.95	1/4	2,669.03	1/4	2,307.99
1/2		1/2	5,144.09	1/2	4,814.93	1/2	4,465.88	1/2	4,105.19	1/2	3,744.27	1/2	3,383.35	1/2	3,022.43	1/2	2,661.51	1/2	2,300.47
3/4		3/4	5,137.46	3/4	4,807.84	3/4	4,458.41	3/4	4,097.67	3/4	3,736.75	3/4	3,375.83	3/4	3,014.91	3/4	2,653.99	3/4	2,292.95
4		4	5,130.84	4	4,800.75	4	4,450.94	4	4,090.15	4	3,729.23	4	3,368.31	4	3,007.39	4	2,646.47	4	2,285.43
1/4		1/4	5,124.21	1/4	4,793.66	1/4	4,443.46	1/4	4,082.64	1/4	3,721.71	1/4	3,360.79	1/4	2,999.87	1/4	2,638.95	1/4	2,277.91
1/2		1/2	5,117.58	1/2	4,786.57	1/2	4,435.99	1/2	4,075.12	1/2	3,714.19	1/2	3,353.27	1/2	2,992.35	1/2	2,631.43	1/2	2,270.38
3/4		3/4	5,110.90	3/4	4,779.45	3/4	4,428.48	3/4	4,067.60	3/4	3,706.68	3/4	3,345.75	3/4	2,984.83	3/4	2,623.91	3/4	2,262.86
5		5	5,104.22	5	4,772.34	5	4,420.97	5	4,060.08	5	3,699.16	5	3,338.23	5	2,977.31	5	2,616.39	5	2,255.34
1/4		1/4	5,097.54	1/4	4,765.22	1/4	4,413.47	1/4	4,052.56	1/4	3,691.64	1/4	3,330.72	1/4	2,969.79	1/4	2,608.87	1/4	2,247.82
1/2		1/2	5,090.85	1/2	4,758.10	1/2	4,405.96	1/2	4,045.04	1/2	3,684.12	1/2	3,323.20	1/2	2,962.27	1/2	2,601.35	1/2	2,240.30
3/4		3/4	5,084.13	3/4	4,750.95	3/4	4,398.44	3/4	4,037.52	3/4	3,676.60	3/4	3,315.68	3/4	2,954.74	3/4	2,593.83	3/4	2,232.77
6		6	5,077.41	6	4,743.80	6	4,390.92	6	4,030.00	6	3,669.08	6	3,308.16	6	2,947.24	6	2,586.31	6	2,225.25
1/4		1/4	5,070.69	1/4	4,736.65	1/4	4,383.40	1/4	4,022.48	1/4	3,661.56	1/4	3,300.64	1/4	2,939.72	1/4	2,578.79	1/4	2,217.73
1/2		1/2	5,063.97	1/2	4,729.51	1/2	4,375.88	1/2	4,014.96	1/2	3,654.04	1/2	3,293.12	1/2	2,932.20	1/2	2,571.26	1/2	2,210.21
3/4		3/4	5,057.22	3/4	4,722.33	3/4	4,368.36	3/4	4,007.44	3/4	3,646.52	3/4	3,285.60	3/4	2,924.68	3/4	2,563.74	3/4	2,202.69
7		7	5,050.46	7	4,715.15	7	4,360.85	7	3,999.92	7	3,639.00	7	3,278.08	7	2,917.16	7	2,556.22	7	2,195.16
1/4		1/4	5,043.71	1/4	4,707.97	1/4	4,353.33	1/4	3,992.40	1/4	3,631.48	1/4	3,270.56	1/4	2,909.64	1/4	2,548.70	1/4	2,187.64
1/2		1/2	5,036.96	1/2	4,700.79	1/2	4,345.81	1/2	3,984.89	1/2	3,623.96	1/2	3,263.04	1/2	2,902.12	1/2	2,541.18	1/2	2,180.12
3/4		3/4	5,030.18	3/4	4,693.56	3/4	4,338.29	3/4	3,977.37	3/4	3,616.44	3/4	3,255.52	3/4	2,894.60	3/4	2,533.65	3/4	2,172.60
8		8	5,023.39	8	4,686.32	8	4,330.77	8	3,969.85	8	3,608.93	8	3,248.00	8	2,887.08	8	2,526.13	8	2,165.08
1/4		1/4	5,016.61	1/4	4,679.08	1/4	4,323.25	1/4	3,962.33	1/4	3,601.41	1/4	3,240.48	1/4	2,879.56	1/4	2,518.61	1/4	2,157.55
1/2		1/2	5,009.83	1/2	4,671.85	1/2	4,315.73	1/2	3,954.81	1/2	3,593.89	1/2	3,232.97	1/2	2,872.04	1/2	2,511.09	1/2	2,150.03
3/4		3/4	5,003.02	3/4	4,664.58	3/4	4,308.21	3/4	3,947.29	3/4	3,586.37	3/4	3,225.45	3/4	2,864.52	3/4	2,503.57	3/4	2,142.51
9		9	4,996.21	9	4,657.31	9	4,300.69	9	3,939.77	9	3,578.85	9	3,217.93	9	2,857.01	9	2,496.04	9	2,134.99
1/4		1/4	4,989.40	1/4	4,650.05	1/4	4,293.17	1/4	3,932.25	1/4	3,571.33	1/4	3,210.41	1/4	2,849.49	1/4	2,488.52	1/4	2,127.47
1/2		1/2	4,982.58	1/2	4,642.78	1/2	4,285.65	1/2	3,924.73	1/2	3,563.81	1/2	3,202.89	1/2	2,841.97	1/2	2,481.00	1/2	2,119.94
3/4		3/4	4,975.67	3/4	4,635.48	3/4	4,278.13	3/4	3,917.21	3/4	3,556.29	3/4	3,195.37	3/4	2,834.45	3/4	2,473.48	3/4	2,112.42
10		10	4,968.76	10	4,628.19	10	4,270.62	10	3,909.69	10	3,548.77	10	3,187.85	10	2,826.93	10	2,465.96	10	2,104.90
1/4		1/4	4,961.85	1/4	4,620.89	1/4	4,263.10	1/4	3,902.17	1/4	3,541.25	1/4	3,180.33	1/4	2,819.41	1/4	2,458.43	1/4	2,097.38
1/2		1/2	4,954.93	1/2	4,613.59	1/2	4,255.58	1/2	3,894.66	1/2	3,533.73	1/2	3,172.81	1/2	2,811.89	1/2	2,450.91	1/2	2,089.86
3/4		3/4	4,947.99	3/4	4,606.27	3/4	4,248.06	3/4	3,887.14	3/4	3,526.21	3/4	3,165.29	3/4	2,804.37	3/4	2,443.39	3/4	2,082.33
11		11	4,941.05	11	4,598.94	11	4,240.54	11	3,879.62	11	3,518.70	11	3,157.77	11	2,796.85	11	2,435.87	11	2,074.81
1/4		1/4	4,934.10	1/4	4,591.62	1/4	4,233.02	1/4	3,872.10	1/4	3,511.18	1/4	3,150.25	1/4	2,789.33	1/4	2,428.35	1/4	2,067.29
1/2		1/2	4,927.16	1/2	4,584.29	1/2	4,225.50	1/2	3,864.58	1/2	3,503.66	1/2	3,142.74	1/2	2,781.81	1/2	2,420.82	1/2	2,059.77
3/4		3/4	4,920.19	3/4	4,576.93	3/4	4,217.98	3/4	3,857.06	3/4	3,496.14	3/4	3,135.22	3/4	2,774.29	3/4	2,413.30	3/4	2,052.25

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 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 307"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,044.72	0	1,683.67	0	1,322.61	0	974.54	0	616.87	0	255.83	0		0		0		0	
1/4	2,037.20	1/4	1,676.15	1/4	1,315.09	1/4	967.36	1/4	609.35	1/4	248.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,029.68	1/2	1,668.62	1/2	1,307.57	1/2	960.18	1/2	601.83	1/2	240.79	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,022.16	3/4	1,661.10	3/4	1,300.05	3/4	953.00	3/4	594.31	3/4	233.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,014.64	1	1,653.58	1	1,292.52	1	945.82	1	586.79	1	225.75	1	1	1	1	1	1	1	1
1/4	2,007.11	1/4	1,646.06	1/4	1,285.00	1/4	938.64	1/4	579.27	1/4	218.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,999.59	1/2	1,638.54	1/2	1,277.48	1/2	931.46	1/2	571.74	1/2	210.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,992.07	3/4	1,631.01	3/4	1,269.96	3/4	924.27	3/4	564.22	3/4	203.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,984.55	2	1,623.49	2	1,262.44	2	917.08	2	556.70	2	195.66	2	2	2	2	2	2	2	2
1/4	1,977.03	1/4	1,615.97	1/4	1,254.91	1/4	909.89	1/4	549.18	1/4	188.14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,969.50	1/2	1,608.45	1/2	1,247.39	1/2	902.70	1/2	541.66	1/2	180.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,961.98	3/4	1,600.93	3/4	1,240.20	3/4	895.18	3/4	534.14	3/4	173.10	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,954.46	3	1,593.40	3	1,233.01	3	887.66	3	526.61	3	165.57	3	3	3	3	3	3	3	3
1/4	1,946.94	1/4	1,585.88	1/4	1,225.82	1/4	880.13	1/4	519.09	1/4	158.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,939.42	1/2	1,578.36	1/2	1,218.63	1/2	872.61	1/2	511.57	1/2	150.53	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,931.89	3/4	1,570.84	3/4	1,211.45	3/4	865.09	3/4	504.05	3/4	143.02	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,924.37	4	1,563.32	4	1,204.27	4	857.57	4	496.53	4	135.51	4	4	4	4	4	4	4	4
1/4	1,916.85	1/4	1,555.79	1/4	1,197.09	1/4	850.05	1/4	489.01	1/4	128.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,909.33	1/2	1,548.27	1/2	1,189.91	1/2	842.53	1/2	481.48	1/2	120.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,901.81	3/4	1,540.75	3/4	1,182.73	3/4	835.00	3/4	473.96	3/4	113.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,894.28	5	1,533.23	5	1,175.55	5	827.48	5	466.44	5	105.52	5	5	5	5	5	5	5	5
1/4	1,886.76	1/4	1,525.71	1/4	1,168.37	1/4	819.96	1/4	458.92	1/4	98.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,879.24	1/2	1,518.18	1/2	1,161.19	1/2	812.44	1/2	451.40	1/2	90.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,871.72	3/4	1,510.66	3/4	1,154.02	3/4	804.92	3/4	443.88	3/4	83.65	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,864.20	6	1,503.14	6	1,146.84	6	797.39	6	436.35	6	76.76	6	6	6	6	6	6	6	6
1/4	1,856.67	1/4	1,495.62	1/4	1,139.66	1/4	789.87	1/4	428.83	1/4	69.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,849.15	1/2	1,488.10	1/2	1,132.48	1/2	782.35	1/2	421.31	1/2	62.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,841.63	3/4	1,480.57	3/4	1,125.30	3/4	774.83	3/4	413.79	3/4	57.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,834.11	7	1,473.05	7	1,118.12	7	767.31	7	406.27	7	51.69	7	7	7	7	7	7	7	7
1/4	1,826.59	1/4	1,465.53	1/4	1,110.94	1/4	759.79	1/4	398.74	1/4	46.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,819.06	1/2	1,458.01	1/2	1,103.76	1/2	752.26	1/2	391.22	1/2	40.41	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,811.54	3/4	1,450.49	3/4	1,096.58	3/4	744.74	3/4	383.70	3/4	36.02	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,804.02	8	1,442.96	8	1,089.40	8	737.22	8	376.18	8	31.64	8	8	8	8	8	8	8	8
1/4	1,796.50	1/4	1,435.44	1/4	1,082.22	1/4	729.70	1/4	368.66	1/4	27.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,788.98	1/2	1,427.92	1/2	1,075.05	1/2	722.18	1/2	361.14	1/2	22.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,781.45	3/4	1,420.40	3/4	1,067.87	3/4	714.66	3/4	353.61	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,773.93	9	1,412.88	9	1,060.69	9	707.13	9	346.09	9		9	9	9	9	9	9	9	9
1/4	1,766.41	1/4	1,405.35	1/4	1,053.51	1/4	699.61	1/4	338.57	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,758.89	1/2	1,397.83	1/2	1,046.33	1/2	692.09	1/2	331.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,751.37	3/4	1,390.31	3/4	1,039.15	3/4	684.57	3/4	323.53	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,743.84	10	1,382.79	10	1,031.97	10	677.05	10	316.01	10		10	10	10	10	10	10	10	10
1/4	1,736.32	1/4	1,375.27	1/4	1,024.79	1/4	669.53	1/4	308.48	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,728.80	1/2	1,367.74	1/2	1,017.61	1/2	662.00	1/2	300.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,721.28	3/4	1,360.22	3/4	1,010.43	3/4	654.48	3/4	293.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,713.76	11	1,352.70	11	1,003.25	11	646.96	11	285.92	11		11	11	11	11	11	11	11	11
1/4	1,706.23	1/4	1,345.18	1/4	996.08	1/4	639.44	1/4	278.40	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,698.71	1/2	1,337.66	1/2	988.90	1/2	631.92	1/2	270.88	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,691.19	3/4	1,330.13	3/4	981.72	3/4	624.40	3/4	263.35	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: 06/11/2013 CL - SW
CALCULATED: 06/12/2013 CL
PRINTED: 06/13/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT
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BARGE "HBC 307"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,267.95	0	4,084.08	0	3,891.73	0	3,698.25	0	3,504.77	0	3,147.00	0	2,787.96	0	2,428.27		
1/4		1/4		1/4	4,264.21	1/4	4,080.14	1/4	3,887.70	1/4	3,694.22	1/4	3,497.31	1/4	3,139.52	1/4	2,780.46	1/4	2,420.77		
1/2		1/2		1/2	4,260.47	1/2	4,076.19	1/2	3,883.67	1/2	3,690.19	1/2	3,489.84	1/2	3,132.04	1/2	2,772.97	1/2	2,413.28		
3/4		3/4		3/4	4,256.73	3/4	4,072.25	3/4	3,879.64	3/4	3,686.16	3/4	3,482.38	3/4	3,124.56	3/4	2,765.48	3/4	2,405.79		
1		1	4,407.80	1	4,252.99	1	4,068.30	1	3,875.61	1	3,682.13	1	3,474.92	1	3,117.08	1	2,757.98	1	2,398.29		
1/4		1/4	4,406.93	1/4	4,249.24	1/4	4,064.34	1/4	3,871.58	1/4	3,678.10	1/4	3,467.46	1/4	3,109.60	1/4	2,750.49	1/4	2,390.80		
1/2		1/2	4,406.06	1/2	4,245.49	1/2	4,060.39	1/2	3,867.55	1/2	3,674.06	1/2	3,460.00	1/2	3,102.12	1/2	2,743.00	1/2	2,383.30		
3/4		3/4	4,405.19	3/4	4,241.73	3/4	4,056.43	3/4	3,863.52	3/4	3,670.03	3/4	3,452.54	3/4	3,094.64	3/4	2,735.50	3/4	2,375.81		
2		2	4,404.32	2	4,237.98	2	4,052.47	2	3,859.49	2	3,666.00	2	3,445.08	2	3,087.16	2	2,728.01	2	2,368.31		
1/4		1/4	4,402.22	1/4	4,234.21	1/4	4,048.49	1/4	3,855.46	1/4	3,661.97	1/4	3,437.62	1/4	3,079.68	1/4	2,720.52	1/4	2,360.82		
1/2		1/2	4,400.11	1/2	4,230.44	1/2	4,044.52	1/2	3,851.42	1/2	3,657.94	1/2	3,430.15	1/2	3,072.20	1/2	2,713.03	1/2	2,353.33		
3/4		3/4	4,398.01	3/4	4,226.67	3/4	4,040.54	3/4	3,847.39	3/4	3,653.91	3/4	3,422.69	3/4	3,064.72	3/4	2,705.53	3/4	2,345.83		
3		3	4,395.90	3	4,222.90	3	4,036.57	3	3,843.36	3	3,649.88	3	3,415.23	3	3,057.24	3	2,698.04	3	2,338.34		
1/4		1/4	4,392.97	1/4	4,219.11	1/4	4,032.57	1/4	3,839.33	1/4	3,645.85	1/4	3,407.77	1/4	3,049.76	1/4	2,690.55	1/4	2,330.84		
1/2		1/2	4,390.04	1/2	4,215.32	1/2	4,028.58	1/2	3,835.30	1/2	3,641.82	1/2	3,400.31	1/2	3,042.28	1/2	2,683.06	1/2	2,323.35		
3/4		3/4	4,387.11	3/4	4,211.54	3/4	4,024.59	3/4	3,831.27	3/4	3,637.79	3/4	3,392.85	3/4	3,034.80	3/4	2,675.56	3/4	2,315.86		
4		4	4,384.18	4	4,207.75	4	4,020.60	4	3,827.24	4	3,633.76	4	3,385.39	4	3,027.32	4	2,668.07	4	2,308.36		
1/4		1/4	4,380.64	1/4	4,203.95	1/4	4,016.59	1/4	3,823.21	1/4	3,629.73	1/4	3,377.93	1/4	3,019.84	1/4	2,660.58	1/4	2,300.87		
1/2		1/2	4,377.10	1/2	4,200.15	1/2	4,012.59	1/2	3,819.18	1/2	3,625.69	1/2	3,370.46	1/2	3,012.36	1/2	2,653.08	1/2	2,293.37		
3/4		3/4	4,373.57	3/4	4,196.35	3/4	4,008.58	3/4	3,815.15	3/4	3,621.66	3/4	3,363.00	3/4	3,004.88	3/4	2,645.59	3/4	2,285.88		
5		5	4,370.03	5	4,192.54	5	4,004.57	5	3,811.12	5	3,617.63	5	3,355.54	5	2,997.40	5	2,638.10	5	2,278.38		
1/4		1/4	4,366.45	1/4	4,188.73	1/4	4,000.55	1/4	3,807.08	1/4	3,613.60	1/4	3,348.08	1/4	2,989.92	1/4	2,630.61	1/4	2,270.89		
1/2		1/2	4,362.87	1/2	4,184.91	1/2	3,996.52	1/2	3,803.05	1/2	3,609.57	1/2	3,340.62	1/2	2,982.44	1/2	2,623.11	1/2	2,263.40		
3/4		3/4	4,359.29	3/4	4,181.09	3/4	3,992.50	3/4	3,799.02	3/4	3,605.54	3/4	3,333.16	3/4	2,974.96	3/4	2,615.62	3/4	2,255.90		
6		6	4,355.72	6	4,177.27	6	3,988.48	6	3,794.99	6	3,601.51	6	3,325.70	6	2,967.48	6	2,608.13	6	2,248.41		
1/4		1/4	4,352.11	1/4	4,173.44	1/4	3,984.44	1/4	3,790.96	1/4	3,597.48	1/4	3,318.25	1/4	2,960.00	1/4	2,600.63	1/4	2,240.91		
1/2		1/2	4,348.51	1/2	4,169.61	1/2	3,980.41	1/2	3,786.93	1/2	3,593.45	1/2	3,310.80	1/2	2,952.52	1/2	2,593.14	1/2	2,233.42		
3/4		3/4	4,344.91	3/4	4,165.77	3/4	3,976.38	3/4	3,782.90	3/4	3,589.42	3/4	3,303.36	3/4	2,945.04	3/4	2,585.65	3/4	2,225.92		
7		7	4,341.30	7	4,161.94	7	3,972.35	7	3,778.87	7	3,585.39	7	3,295.91	7	2,937.56	7	2,578.15	7	2,218.43		
1/4		1/4	4,337.68	1/4	4,158.09	1/4	3,968.32	1/4	3,774.84	1/4	3,581.35	1/4	3,288.47	1/4	2,930.08	1/4	2,570.66	1/4	2,210.94		
1/2		1/2	4,334.06	1/2	4,154.24	1/2	3,964.29	1/2	3,770.81	1/2	3,577.32	1/2	3,281.02	1/2	2,922.60	1/2	2,563.16	1/2	2,203.44		
3/4		3/4	4,330.44	3/4	4,150.39	3/4	3,960.26	3/4	3,766.78	3/4	3,573.29	3/4	3,273.58	3/4	2,915.12	3/4	2,555.67	3/4	2,195.95		
8		8	4,326.82	8	4,146.54	8	3,956.23	8	3,762.74	8	3,569.26	8	3,266.13	8	2,907.64	8	2,548.18	8	2,188.45		
1/4		1/4	4,323.18	1/4	4,142.66	1/4	3,952.20	1/4	3,758.71	1/4	3,565.23	1/4	3,258.68	1/4	2,900.16	1/4	2,540.68	1/4	2,180.96		
1/2		1/2	4,319.55	1/2	4,138.78	1/2	3,948.17	1/2	3,754.68	1/2	3,561.20	1/2	3,251.24	1/2	2,892.68	1/2	2,533.19	1/2	2,173.47		
3/4		3/4	4,315.91	3/4	4,134.90	3/4	3,944.14	3/4	3,750.65	3/4	3,557.17	3/4	3,243.79	3/4	2,885.20	3/4	2,525.69	3/4	2,165.97		
9		9	4,312.27	9	4,131.02	9	3,940.10	9	3,746.62	9	3,553.14	9	3,236.35	9	2,877.72	9	2,518.20	9	2,158.48		
1/4		1/4	4,308.62	1/4	4,127.12	1/4	3,936.07	1/4	3,742.59	1/4	3,549.11	1/4	3,228.90	1/4	2,870.24	1/4	2,510.70	1/4	2,150.98		
1/2		1/2	4,304.97	1/2	4,123.23	1/2	3,932.04	1/2	3,738.56	1/2	3,545.08	1/2	3,221.46	1/2	2,862.76	1/2	2,503.21	1/2	2,143.49		
3/4		3/4	4,301.32	3/4	4,119.33	3/4	3,928.01	3/4	3,734.53	3/4	3,541.05	3/4	3,214.01	3/4	2,855.28	3/4	2,495.72	3/4	2,135.99		
10		10	4,297.66	10	4,115.44	10	3,923.98	10	3,730.50	10	3,537.01	10	3,206.56	10	2,847.80	10	2,488.22	10	2,128.50		
1/4		1/4	4,293.96	1/4	4,111.52	1/4	3,919.95	1/4	3,726.47	1/4	3,532.98	1/4	3,199.12	1/4	2,840.32	1/4	2,480.73	1/4	2,121.01		
1/2		1/2	4,290.25	1/2	4,107.61	1/2	3,915.92	1/2	3,722.44	1/2	3,528.95	1/2	3,191.67	1/2	2,832.84	1/2	2,473.23	1/2	2,113.51		
3/4		3/4	4,286.55	3/4	4,103.70	3/4	3,911.89	3/4	3,718.40	3/4	3,524.92	3/4	3,184.23	3/4	2,825.36	3/4	2,465.74	3/4	2,106.02		
11		11	4,282.84	11	4,099.79	11	3,907.86	11	3,714.37	11	3,520.89	11	3,176.78	11	2,817.88	11	2,458.25	11	2,098.52		
1/4		1/4	4,279.12	1/4	4,095.86	1/4	3,903.83	1/4	3,710.34	1/4	3,516.86	1/4	3,169.34	1/4	2,810.40	1/4	2,450.75	1/4	2,091.03		
1/2		1/2	4,275.39	1/2	4,091.93	1/2	3,899.80	1/2	3,706.31	1/2	3,512.83	1/2	3,161.89	1/2	2,802.92	1/2	2,443.26	1/2	2,083.54		
3/4		3/4	4,271.67	3/4	4,088.01	3/4	3,895.76	3/4	3,702.28	3/4	3,508.80	3/4	3,154.44	3/4	2,795.44	3/4	2,435.76	3/4	2,076.04		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 307"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	2,068.55	0	1,708.75	0	1,348.95	0	989.42	0	629.73	0	269.94	0		0		0		0	
1/4	2,061.05	1/4	1,701.25	1/4	1,341.45	1/4	981.93	1/4	622.23	1/4	262.44	1/4		1/4		1/4		1/4	
1/2	2,053.56	1/2	1,693.76	1/2	1,333.96	1/2	974.45	1/2	614.74	1/2	254.95	1/2		1/2		1/2		1/2	
3/4	2,046.06	3/4	1,686.26	3/4	1,326.46	3/4	966.96	3/4	607.24	3/4	247.45	3/4		3/4		3/4		3/4	
1	2,038.57	1	1,678.77	1	1,318.96	1	959.47	1	599.74	1	239.96	1		1		1		1	
1/4	2,031.07	1/4	1,671.27	1/4	1,311.47	1/4	951.99	1/4	592.25	1/4	232.46	1/4		1/4		1/4		1/4	
1/2	2,023.58	1/2	1,663.77	1/2	1,303.97	1/2	944.50	1/2	584.75	1/2	224.96	1/2		1/2		1/2		1/2	
3/4	2,016.08	3/4	1,656.28	3/4	1,296.48	3/4	937.01	3/4	577.26	3/4	217.47	3/4		3/4		3/4		3/4	
2	2,008.59	2	1,648.78	2	1,288.98	2	929.53	2	569.76	2	209.97	2		2		2		2	
1/4	2,001.09	1/4	1,641.29	1/4	1,281.48	1/4	922.04	1/4	562.27	1/4	202.48	1/4		1/4		1/4		1/4	
1/2	1,993.59	1/2	1,633.79	1/2	1,273.99	1/2	914.55	1/2	554.77	1/2	194.98	1/2		1/2		1/2		1/2	
3/4	1,986.10	3/4	1,626.30	3/4	1,266.49	3/4	907.06	3/4	547.28	3/4	187.49	3/4		3/4		3/4		3/4	
3	1,978.60	3	1,618.80	3	1,259.00	3	899.57	3	539.78	3	179.99	3		3		3		3	
1/4	1,971.11	1/4	1,611.30	1/4	1,251.50	1/4	892.07	1/4	532.28	1/4	172.50	1/4		1/4		1/4		1/4	
1/2	1,963.61	1/2	1,603.81	1/2	1,244.00	1/2	884.58	1/2	524.79	1/2	165.00	1/2		1/2		1/2		1/2	
3/4	1,956.12	3/4	1,596.31	3/4	1,236.51	3/4	877.08	3/4	517.29	3/4	157.51	3/4		3/4		3/4		3/4	
4	1,948.62	4	1,588.82	4	1,229.01	4	869.59	4	509.80	4	150.01	4		4		4		4	
1/4	1,941.12	1/4	1,581.32	1/4	1,221.52	1/4	862.09	1/4	502.30	1/4	142.53	1/4		1/4		1/4		1/4	
1/2	1,933.63	1/2	1,573.82	1/2	1,214.03	1/2	854.59	1/2	494.81	1/2	135.04	1/2		1/2		1/2		1/2	
3/4	1,926.13	3/4	1,566.33	3/4	1,206.53	3/4	847.10	3/4	487.31	3/4	127.56	3/4		3/4		3/4		3/4	
5	1,918.64	5	1,558.83	5	1,199.04	5	839.60	5	479.81	5	120.07	5		5		5		5	
1/4	1,911.14	1/4	1,551.34	1/4	1,191.56	1/4	832.11	1/4	472.32	1/4	112.61	1/4		1/4		1/4		1/4	
1/2	1,903.64	1/2	1,543.84	1/2	1,184.07	1/2	824.61	1/2	464.82	1/2	105.15	1/2		1/2		1/2		1/2	
3/4	1,896.15	3/4	1,536.34	3/4	1,176.58	3/4	817.12	3/4	457.33	3/4	97.69	3/4		3/4		3/4		3/4	
6	1,888.65	6	1,528.85	6	1,169.10	6	809.62	6	449.83	6	90.23	6		6		6		6	
1/4	1,881.16	1/4	1,521.35	1/4	1,161.61	1/4	802.13	1/4	442.34	1/4	83.36	1/4		1/4		1/4		1/4	
1/2	1,873.66	1/2	1,513.86	1/2	1,154.12	1/2	794.63	1/2	434.84	1/2	76.49	1/2		1/2		1/2		1/2	
3/4	1,866.16	3/4	1,506.36	3/4	1,146.64	3/4	787.13	3/4	427.35	3/4	69.62	3/4		3/4		3/4		3/4	
7	1,858.67	7	1,498.87	7	1,139.15	7	779.64	7	419.85	7	62.76	7		7		7		7	
1/4	1,851.17	1/4	1,491.37	1/4	1,131.66	1/4	772.14	1/4	412.35	1/4	55.13	1/4		1/4		1/4		1/4	
1/2	1,843.68	1/2	1,483.87	1/2	1,124.18	1/2	764.65	1/2	404.86	1/2	51.51	1/2		1/2		1/2		1/2	
3/4	1,836.18	3/4	1,476.38	3/4	1,116.69	3/4	757.15	3/4	397.36	3/4	45.89	3/4		3/4		3/4		3/4	
8	1,828.68	8	1,468.88	8	1,109.20	8	749.66	8	389.87	8	40.27	8		8		8		8	
1/4	1,821.19	1/4	1,461.39	1/4	1,101.72	1/4	742.16	1/4	382.37	1/4	35.90	1/4		1/4		1/4		1/4	
1/2	1,813.69	1/2	1,453.89	1/2	1,094.23	1/2	734.67	1/2	374.88	1/2	31.53	1/2		1/2		1/2		1/2	
3/4	1,806.20	3/4	1,446.39	3/4	1,086.74	3/4	727.17	3/4	367.38	3/4	27.16	3/4		3/4		3/4		3/4	
9	1,798.70	9	1,438.90	9	1,079.26	9	719.67	9	359.89	9	22.79	9		9		9		9	
1/4	1,791.21	1/4	1,431.40	1/4	1,071.77	1/4	712.18	1/4	352.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,783.71	1/2	1,423.91	1/2	1,064.28	1/2	704.68	1/2	344.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,776.21	3/4	1,416.41	3/4	1,056.80	3/4	697.19	3/4	337.40	3/4		3/4		3/4		3/4		3/4	
10	1,768.72	10	1,408.91	10	1,049.31	10	689.69	10	329.90	10		10		10		10		10	
1/4	1,761.22	1/4	1,401.42	1/4	1,041.83	1/4	682.20	1/4	322.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,753.73	1/2	1,393.92	1/2	1,034.34	1/2	674.70	1/2	314.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,746.23	3/4	1,386.43	3/4	1,026.85	3/4	667.20	3/4	307.42	3/4		3/4		3/4		3/4		3/4	
11	1,738.73	11	1,378.93	11	1,019.37	11	659.71	11	299.92	11		11		11		11		11	
1/4	1,731.24	1/4	1,371.43	1/4	1,011.88	1/4	652.21	1/4	292.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,723.74	1/2	1,363.94	1/2	1,004.39	1/2	644.72	1/2	284.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,716.25	3/4	1,356.44	3/4	996.91	3/4	637.22	3/4	277.43	3/4		3/4		3/4		3/4		3/4	

STRAPPED: 06/11/2013 CL - SW
CALCULATED: 06/12/2013 CL
PRINTED: 06/13/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

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 307"

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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		0	4,242.24	0	4,058.98	0	3,867.24	0	3,674.36	0	3,481.48	0	3,124.25	0	2,765.93	0	2,406.79
1/4		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
1/2		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
3/4		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
1		1	4,381.53	1	4,227.34	1	4,043.26	1	3,851.17	1	3,658.29	1	3,451.68	1	3,094.37	1	2,736.00	1	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
2		2	4,378.11	2	4,212.37	2	4,027.47	2	3,835.10	2	3,642.21	2	3,421.88	2	3,064.50	2	2,706.08	2	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
3		3	4,369.74	3	4,197.34	3	4,011.62	3	3,819.02	3	3,626.14	3	3,392.08	3	3,034.65	3	2,676.15	3	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
4		4	4,358.07	4	4,182.25	4	3,995.70	4	3,802.95	4	3,610.07	4	3,362.28	4	3,004.81	4	2,646.23	4	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
5		5	4,343.97	5	4,167.09	5	3,979.72	5	3,786.88	5	3,593.99	5	3,332.48	5	2,974.97	5	2,616.30	5	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
6		6	4,329.71	6	4,151.87	6	3,963.68	6	3,770.80	6	3,577.92	6	3,302.68	6	2,945.12	6	2,586.37	6	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
7		7	4,315.34	7	4,136.59	7	3,947.61	7	3,754.73	7	3,561.84	7	3,272.94	7	2,915.28	7	2,556.44	7	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
8		8	4,300.91	8	4,121.24	8	3,931.54	8	3,738.65	8	3,545.77	8	3,243.20	8	2,885.43	8	2,526.51	8	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
9		9	4,286.42	9	4,105.77	9	3,915.46	9	3,722.58	9	3,529.70	9	3,213.46	9	2,855.56	9	2,496.58	9	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
10		10	4,271.86	10	4,090.24	10	3,899.39	10	3,706.51	10	3,513.62	10	3,183.72	10	2,825.68	10	2,466.65	10	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
11		11	4,257.08	11	4,074.64	11	3,883.32	11	3,690.43	11	3,497.55	11	3,153.99	11	2,795.81	11	2,436.72	11	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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-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 307"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	2,047.61	0	1,688.35	0	1,330.33	0	980.70	0	629.01	0	269.65	0		0		0		0	
1/4	2,040.12	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	
1/2	2,032.64	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	
3/4	2,025.16	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	
1	2,017.67	1	1,658.41	1	1,300.63	1	952.10	1	599.07	1	239.70	1		1		1		1	
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	
2	1,987.74	2	1,628.48	2	1,270.94	2	923.51	2	569.12	2	209.76	2		2		2		2	
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	
3	1,957.80	3	1,598.54	3	1,241.25	3	894.90	3	539.17	3	179.81	3		3		3		3	
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	
4	1,927.86	4	1,568.60	4	1,211.62	4	866.20	4	509.22	4	149.87	4		4		4		4	
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	
5	1,897.92	5	1,538.66	5	1,182.01	5	837.50	5	479.28	5	119.94	5		5		5		5	
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	
6	1,867.98	6	1,508.72	6	1,152.28	6	808.69	6	449.33	6	90.13	6		6		6		6	
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	
7	1,838.04	7	1,478.78	7	1,123.68	7	778.75	7	419.38	7	62.73	7		7		7		7	
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	
8	1,808.11	8	1,449.09	8	1,095.09	8	748.80	8	389.44	8	40.29	8		8		8		8	
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	
9	1,778.17	9	1,419.40	9	1,066.49	9	718.85	9	359.49	9	22.80	9		9		9		9	
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	
10	1,748.23	10	1,389.71	10	1,037.89	10	688.91	10	329.54	10		10		10		10		10	
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	
11	1,718.29	11	1,360.02	11	1,009.30	11	658.96	11	299.60	11		11		11		11		11	
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	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2013 CL - SW
CALCULATED: 06/12/2013 CL
PRINTED: 06/13/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

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