



# BARGE "HBC 306"

## 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 ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 253'-09"

April 24, 2013

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HBC 306"

## 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
					4,949.27		4,604.22		4,243.64		3,881.24		3,518.84		3,156.44		2,794.04		2,431.57
1/4	1/4	1/4	1/4	1/4	4,942.27	1/4	4,596.84	1/4	4,236.09	1/4	3,873.69	1/4	3,511.29	1/4	3,148.89	1/4	2,786.49	1/4	2,424.01
1/2	1/2	1/2	5,244.78	1/2	4,935.27	1/2	4,589.45	1/2	4,228.54	1/2	3,866.14	1/2	3,503.74	1/2	3,141.34	1/2	2,778.94	1/2	2,416.46
3/4	3/4	3/4	5,240.44	3/4	4,928.24	3/4	4,582.04	3/4	4,220.99	3/4	3,858.59	3/4	3,496.19	3/4	3,133.79	3/4	2,771.39	3/4	2,408.91
1	1	1	5,236.11	1	4,921.21	1	4,574.62	1	4,213.44	1	3,851.04	1	3,488.64	1	3,126.24	1	2,773.84	1	2,401.35
1/4	1/4	1/4	5,231.78	1/4	4,914.19	1/4	4,567.20	1/4	4,205.89	1/4	3,843.49	1/4	3,481.09	1/4	3,118.69	1/4	2,756.29	1/4	2,393.80
1/2	1/2	1/2	5,227.44	1/2	4,907.16	1/2	4,559.79	1/2	4,198.34	1/2	3,835.94	1/2	3,473.54	1/2	3,111.14	1/2	2,748.74	1/2	2,386.25
3/4	3/4	3/4	5,221.88	3/4	4,900.10	3/4	4,552.34	3/4	4,190.79	3/4	3,828.39	3/4	3,465.99	3/4	3,103.59	3/4	2,741.19	3/4	2,378.70
2	2	2	5,216.32	2	4,893.04	2	4,544.90	2	4,183.24	2	3,820.84	2	3,458.44	2	3,096.04	2	2,733.64	2	2,371.14
1/4	1/4	1/4	5,210.76	1/4	4,885.98	1/4	4,537.45	1/4	4,175.69	1/4	3,813.29	1/4	3,450.89	1/4	3,088.49	1/4	2,726.09	1/4	2,363.59
1/2	1/2	1/2	5,205.19	1/2	4,878.92	1/2	4,530.01	1/2	4,168.14	1/2	3,805.74	1/2	3,443.34	1/2	3,080.94	1/2	2,718.54	1/2	2,356.04
3/4	3/4	3/4	5,199.16	3/4	4,871.84	3/4	4,522.53	3/4	4,160.59	3/4	3,798.19	3/4	3,435.79	3/4	3,073.39	3/4	2,710.99	3/4	2,348.49
3	3	3	5,193.13	3	4,864.75	3	4,515.06	3	4,153.04	3	3,790.64	3	3,428.24	3	3,065.84	3	2,703.44	3	2,340.93
1/4	1/4	1/4	5,187.11	1/4	4,857.66	1/4	4,507.58	1/4	4,145.49	1/4	3,783.09	1/4	3,420.69	1/4	3,058.29	1/4	2,695.89	1/4	2,333.38
1/2	1/2	1/2	5,181.08	1/2	4,850.57	1/2	4,500.10	1/2	4,137.94	1/2	3,775.54	1/2	3,413.14	1/2	3,050.74	1/2	2,688.34	1/2	2,325.83
3/4	3/4	3/4	5,174.42	3/4	4,843.46	3/4	4,492.60	3/4	4,130.39	3/4	3,767.99	3/4	3,405.59	3/4	3,043.19	3/4	2,680.79	3/4	2,318.27
4	4	4	5,167.77	4	4,836.34	4	4,485.09	4	4,122.84	4	3,760.44	4	3,398.04	4	3,035.64	4	2,673.24	4	2,310.72
1/4	1/4	1/4	5,161.11	1/4	4,829.22	1/4	4,477.59	1/4	4,115.29	1/4	3,752.89	1/4	3,390.49	1/4	3,028.09	1/4	2,665.69	1/4	2,303.17
1/2	1/2	1/2	5,154.46	1/2	4,822.10	1/2	4,470.08	1/2	4,107.74	1/2	3,745.34	1/2	3,382.94	1/2	3,020.54	1/2	2,658.14	1/2	2,295.62
3/4	3/4	3/4	5,147.75	3/4	4,814.95	3/4	4,462.55	3/4	4,100.19	3/4	3,737.79	3/4	3,375.39	3/4	3,012.99	3/4	2,650.59	3/4	2,288.06
5	5	5	5,141.04	5	4,807.81	5	4,455.01	5	4,092.64	5	3,730.24	5	3,367.84	5	3,005.44	5	2,643.04	5	2,280.51
1/4	1/4	1/4	5,134.33	1/4	4,800.66	1/4	4,447.48	1/4	4,085.09	1/4	3,722.69	1/4	3,360.29	1/4	2,997.89	1/4	2,635.49	1/4	2,272.96
1/2	1/2	1/2	5,127.62	1/2	4,793.51	1/2	4,439.94	1/2	4,077.54	1/2	3,715.14	1/2	3,352.74	1/2	2,990.34	1/2	2,627.94	1/2	2,265.40
3/4	3/4	3/4	5,120.87	3/4	4,786.33	3/4	4,432.39	3/4	4,069.99	3/4	3,707.59	3/4	3,345.19	3/4	2,982.79	3/4	2,620.39	3/4	2,257.85
6	6	6	5,114.12	6	4,779.16	6	4,424.84	6	4,062.44	6	3,700.04	6	3,337.64	6	2,975.24	6	2,612.83	6	2,250.30
1/4	1/4	1/4	5,107.37	1/4	4,771.98	1/4	4,417.29	1/4	4,054.89	1/4	3,692.49	1/4	3,330.09	1/4	2,967.69	1/4	2,605.28	1/4	2,242.75
1/2	1/2	1/2	5,100.63	1/2	4,764.80	1/2	4,409.74	1/2	4,047.34	1/2	3,684.94	1/2	3,322.54	1/2	2,960.14	1/2	2,597.73	1/2	2,235.19
3/4	3/4	3/4	5,093.85	3/4	4,757.59	3/4	4,402.19	3/4	4,039.79	3/4	3,677.39	3/4	3,314.99	3/4	2,952.59	3/4	2,590.17	3/4	2,227.64
7	7	7	5,087.07	7	4,750.39	7	4,394.64	7	4,032.24	7	3,669.84	7	3,307.44	7	2,945.04	7	2,582.62	7	2,220.09
1/4	1/4	1/4	5,080.29	1/4	4,743.18	1/4	4,387.09	1/4	4,024.69	1/4	3,662.29	1/4	3,299.89	1/4	2,937.49	1/4	2,575.07	1/4	2,212.53
1/2	1/2	1/2	5,073.51	1/2	4,735.97	1/2	4,379.54	1/2	4,017.14	1/2	3,654.74	1/2	3,292.34	1/2	2,929.94	1/2	2,567.52	1/2	2,204.98
3/4	3/4	3/4	5,066.70	3/4	4,728.71	3/4	4,371.99	3/4	4,009.59	3/4	3,647.19	3/4	3,284.79	3/4	2,922.39	3/4	2,559.96	3/4	2,197.43
8	8	8	5,059.89	8	4,721.44	8	4,364.44	8	4,002.04	8	3,639.64	8	3,277.24	8	2,914.84	8	2,552.41	8	2,189.88
1/4	1/4	1/4	5,053.08	1/4	4,714.17	1/4	4,356.89	1/4	3,994.49	1/4	3,632.09	1/4	3,269.69	1/4	2,907.29	1/4	2,544.86	1/4	2,182.32
1/2	1/2	1/2	5,046.27	1/2	4,706.91	1/2	4,349.34	1/2	3,986.94	1/2	3,624.54	1/2	3,262.14	1/2	2,899.74	1/2	2,537.31	1/2	2,174.77
3/4	3/4	3/4	5,039.43	3/4	4,699.61	3/4	4,341.79	3/4	3,979.39	3/4	3,616.99	3/4	3,254.59	3/4	2,892.19	3/4	2,529.75	3/4	2,167.22
9	9	9	5,032.59	9	4,692.31	9	4,334.24	9	3,971.84	9	3,609.44	9	3,247.04	9	2,884.64	9	2,522.20	9	2,159.67
1/4	1/4	1/4	5,025.75	1/4	4,685.02	1/4	4,326.69	1/4	3,964.29	1/4	3,601.89	1/4	3,239.49	1/4	2,877.09	1/4	2,514.65	1/4	2,152.11
1/2	1/2	1/2	5,018.91	1/2	4,677.72	1/2	4,319.14	1/2	3,956.74	1/2	3,594.34	1/2	3,231.94	1/2	2,869.54	1/2	2,507.09	1/2	2,144.56
3/4	3/4	3/4	5,011.97	3/4	4,670.40	3/4	4,311.59	3/4	3,949.19	3/4	3,586.79	3/4	3,224.39	3/4	2,861.99	3/4	2,499.54	3/4	2,137.01
10	10	10	5,005.03	10	4,663.07	10	4,304.04	10	3,941.64	10	3,579.24	10	3,216.84	10	2,854.44	10	2,491.99	10	2,129.45
1/4	1/4	1/4	4,998.09	1/4	4,655.74	1/4	4,296.49	1/4	3,934.09	1/4	3,571.69	1/4	3,209.29	1/4	2,846.89	1/4	2,484.44	1/4	2,121.90
1/2	1/2	1/2	4,991.15	1/2	4,648.42	1/2	4,288.94	1/2	3,926.54	1/2	3,564.14	1/2	3,201.74	1/2	2,839.34	1/2	2,476.88	1/2	2,114.35
3/4	3/4	3/4	4,984.18	3/4	4,641.06	3/4	4,281.39	3/4	3,918.99	3/4	3,556.59	3/4	3,194.19	3/4	2,831.79	3/4	2,469.33	3/4	2,106.80
11	11	11	4,977.20	11	4,633.71	11	4,273.84	11	3,911.44	11	3,549.04	11	3,186.64	11	2,824.24	11	2,461.78	11	2,099.24
1/4	1/4	1/4	4,970.23	1/4	4,626.35	1/4	4,266.29	1/4	3,903.89	1/4	3,541.49	1/4	3,179.09	1/4	2,816.69	1/4	2,454.22	1/4	2,091.69
1/2	1/2	1/2	4,963.26	1/2	4,618.99	1/2	4,258.74	1/2	3,896.34	1/2	3,533.94	1/2	3,171.54	1/2	2,809.14	1/2	2,446.67	1/2	2,084.14
3/4	3/4	3/4	4,956.26	3/4	4,611.61	3/4	4,251.19	3/4	3,888.79	3/4	3,526.39	3/4	3,163.99	3/4	2,801.59	3/4	2,439.12	3/4	2,076.58

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 306"

## 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	2,069.03	0	1,706.50	0	1,343.96	0	981.85	0	619.40	0	256.88	0		0		0		0	
1/4	2,061.48	1/4	1,698.94	1/4	1,336.41	1/4	974.31	1/4	611.85	1/4	249.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,053.93	1/2	1,691.39	1/2	1,328.86	1/2	966.77	1/2	604.29	1/2	241.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,046.37	3/4	1,683.84	3/4	1,321.30	3/4	959.23	3/4	596.74	3/4	234.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,038.82	1	1,676.29	1	1,313.75	1	951.68	1	589.19	1	226.67	1	1	1	1	1	1	1	1
1/4	2,031.27	1/4	1,668.73	1/4	1,306.20	1/4	944.14	1/4	581.64	1/4	219.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,023.71	1/2	1,661.18	1/2	1,298.65	1/2	936.60	1/2	574.08	1/2	211.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,016.16	3/4	1,653.63	3/4	1,291.09	3/4	929.05	3/4	566.53	3/4	204.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,008.61	2	1,646.07	2	1,283.54	2	921.50	2	558.98	2	196.46	2	2	2	2	2	2	2	2
1/4	2,001.06	1/4	1,638.52	1/4	1,275.99	1/4	913.95	1/4	551.43	1/4	188.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,993.50	1/2	1,630.97	1/2	1,268.43	1/2	906.39	1/2	543.87	1/2	181.35	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,985.95	3/4	1,623.42	3/4	1,260.88	3/4	898.84	3/4	536.32	3/4	173.80	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,978.40	3	1,615.86	3	1,253.33	3	891.29	3	528.77	3	166.25	3	3	3	3	3	3	3	3
1/4	1,970.85	1/4	1,608.31	1/4	1,245.78	1/4	883.74	1/4	521.22	1/4	158.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,963.29	1/2	1,600.76	1/2	1,238.22	1/2	876.18	1/2	513.66	1/2	151.15	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,955.74	3/4	1,593.21	3/4	1,230.68	3/4	868.63	3/4	506.11	3/4	143.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,948.19	4	1,585.65	4	1,223.14	4	861.08	4	498.56	4	136.06	4	4	4	4	4	4	4	4
1/4	1,940.63	1/4	1,578.10	1/4	1,215.60	1/4	853.53	1/4	491.01	1/4	128.52	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,933.08	1/2	1,570.55	1/2	1,208.06	1/2	845.97	1/2	483.45	1/2	120.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,925.53	3/4	1,562.99	3/4	1,200.52	3/4	838.42	3/4	475.90	3/4	113.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,917.98	5	1,555.44	5	1,192.98	5	830.87	5	468.35	5	105.95	5	5	5	5	5	5	5	5
1/4	1,910.42	1/4	1,547.89	1/4	1,185.44	1/4	823.32	1/4	460.80	1/4	98.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,902.87	1/2	1,540.34	1/2	1,177.90	1/2	815.76	1/2	453.24	1/2	90.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,895.32	3/4	1,532.78	3/4	1,170.36	3/4	808.21	3/4	445.69	3/4	83.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,887.76	6	1,525.23	6	1,162.82	6	800.66	6	438.14	6	77.07	6	6	6	6	6	6	6	6
1/4	1,880.21	1/4	1,517.68	1/4	1,155.28	1/4	793.11	1/4	430.59	1/4	70.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,872.66	1/2	1,510.12	1/2	1,147.74	1/2	785.55	1/2	423.03	1/2	63.23	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,865.11	3/4	1,502.57	3/4	1,140.20	3/4	778.00	3/4	415.48	3/4	57.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,857.55	7	1,495.02	7	1,132.66	7	770.45	7	407.93	7	51.90	7	7	7	7	7	7	7	7
1/4	1,850.00	1/4	1,487.47	1/4	1,125.12	1/4	762.90	1/4	400.38	1/4	46.24	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,842.45	1/2	1,479.91	1/2	1,117.58	1/2	755.34	1/2	392.82	1/2	40.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,834.89	3/4	1,472.36	3/4	1,110.04	3/4	747.79	3/4	385.27	3/4	36.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,827.34	8	1,464.81	8	1,102.49	8	740.24	8	377.72	8	31.77	8	8	8	8	8	8	8	8
1/4	1,819.79	1/4	1,457.25	1/4	1,094.95	1/4	732.69	1/4	370.17	1/4	27.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,812.24	1/2	1,449.70	1/2	1,087.41	1/2	725.13	1/2	362.61	1/2	22.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,804.68	3/4	1,442.15	3/4	1,079.87	3/4	717.58	3/4	355.06	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,797.13	9	1,434.60	9	1,072.33	9	710.03	9	347.51	9		9	9	9	9	9	9	9	9
1/4	1,789.58	1/4	1,427.04	1/4	1,064.79	1/4	702.48	1/4	339.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,782.03	1/2	1,419.49	1/2	1,057.25	1/2	694.92	1/2	332.40	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,774.47	3/4	1,411.94	3/4	1,049.71	3/4	687.37	3/4	324.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,766.92	10	1,404.39	10	1,042.17	10	679.82	10	317.30	10		10	10	10	10	10	10	10	10
1/4	1,759.37	1/4	1,396.83	1/4	1,034.63	1/4	672.27	1/4	309.75	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,751.81	1/2	1,389.28	1/2	1,027.09	1/2	664.71	1/2	302.19	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,744.26	3/4	1,381.73	3/4	1,019.55	3/4	657.16	3/4	294.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,736.71	11	1,374.17	11	1,012.01	11	649.61	11	287.09	11		11	11	11	11	11	11	11	11
1/4	1,729.16	1/4	1,366.62	1/4	1,004.47	1/4	642.06	1/4	279.54	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,721.60	1/2	1,359.07	1/2	996.93	1/2	634.50	1/2	271.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,714.05	3/4	1,351.52	3/4	989.39	3/4	626.95	3/4	264.43	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: 04/24/2013 CL - SW  
CALCULATED: 04/24/2013 CL  
PRINTED: 04/24/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "HBC 306"

## 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,954.37	0	4,609.71	0	4,249.29	0	3,886.89	0	3,524.49	0	3,162.09	0	2,799.69	0	2,437.22
1/4		1/4		1/4	4,947.37	1/4	4,602.32	1/4	4,241.74	1/4	3,879.34	1/4	3,516.94	1/4	3,154.54	1/4	2,792.14	1/4	2,429.67
1/2		1/2		1/2	4,940.37	1/2	4,594.94	1/2	4,234.19	1/2	3,871.79	1/2	3,509.39	1/2	3,146.99	1/2	2,784.59	1/2	2,422.12
3/4		3/4	5,242.87	3/4	4,933.37	3/4	4,587.55	3/4	4,226.64	3/4	3,864.24	3/4	3,501.84	3/4	3,139.44	3/4	2,777.04	3/4	2,414.56
1		1	5,238.54	1	4,926.34	1	4,580.14	1	4,219.09	1	3,856.69	1	3,494.29	1	3,131.89	1	2,769.49	1	2,407.01
1/4		1/4	5,234.21	1/4	4,919.31	1/4	4,572.72	1/4	4,211.54	1/4	3,849.14	1/4	3,486.74	1/4	3,124.34	1/4	2,761.94	1/4	2,399.46
1/2		1/2	5,229.87	1/2	4,912.29	1/2	4,565.31	1/2	4,203.99	1/2	3,841.59	1/2	3,479.19	1/2	3,116.79	1/2	2,754.39	1/2	2,391.90
3/4		3/4	5,225.54	3/4	4,905.26	3/4	4,557.89	3/4	4,196.44	3/4	3,834.04	3/4	3,471.64	3/4	3,109.24	3/4	2,746.84	3/4	2,384.35
2		2	5,219.98	2	4,898.20	2	4,550.44	2	4,188.89	2	3,826.49	2	3,464.09	2	3,101.69	2	2,739.29	2	2,376.80
1/4		1/4	5,214.42	1/4	4,891.14	1/4	4,543.00	1/4	4,181.34	1/4	3,818.94	1/4	3,456.54	1/4	3,094.14	1/4	2,731.74	1/4	2,369.25
1/2		1/2	5,208.85	1/2	4,884.08	1/2	4,535.55	1/2	4,173.79	1/2	3,811.39	1/2	3,448.99	1/2	3,086.59	1/2	2,724.19	1/2	2,361.69
3/4		3/4	5,203.29	3/4	4,877.03	3/4	4,528.11	3/4	4,166.24	3/4	3,803.84	3/4	3,441.44	3/4	3,079.04	3/4	2,716.64	3/4	2,354.14
3		3	5,197.26	3	4,869.94	3	4,520.63	3	4,158.69	3	3,796.29	3	3,433.89	3	3,071.49	3	2,709.09	3	2,346.59
1/4		1/4	5,191.23	1/4	4,862.85	1/4	4,513.16	1/4	4,151.14	1/4	3,788.74	1/4	3,426.34	1/4	3,063.94	1/4	2,701.54	1/4	2,339.04
1/2		1/2	5,185.20	1/2	4,855.76	1/2	4,505.68	1/2	4,143.59	1/2	3,781.19	1/2	3,418.79	1/2	3,056.39	1/2	2,693.99	1/2	2,331.48
3/4		3/4	5,179.18	3/4	4,848.67	3/4	4,498.21	3/4	4,136.04	3/4	3,773.64	3/4	3,411.24	3/4	3,048.84	3/4	2,686.44	3/4	2,323.93
4		4	5,172.52	4	4,841.56	4	4,490.70	4	4,128.49	4	3,766.09	4	3,403.69	4	3,041.29	4	2,678.89	4	2,316.38
1/4		1/4	5,165.87	1/4	4,834.44	1/4	4,483.20	1/4	4,120.94	1/4	3,758.54	1/4	3,396.14	1/4	3,033.74	1/4	2,671.34	1/4	2,308.82
1/2		1/2	5,159.21	1/2	4,827.32	1/2	4,475.69	1/2	4,113.39	1/2	3,750.99	1/2	3,388.59	1/2	3,026.19	1/2	2,663.79	1/2	2,301.27
3/4		3/4	5,152.56	3/4	4,820.20	3/4	4,468.19	3/4	4,105.84	3/4	3,743.44	3/4	3,381.04	3/4	3,018.64	3/4	2,656.24	3/4	2,293.72
5		5	5,145.85	5	4,813.06	5	4,460.65	5	4,098.29	5	3,735.89	5	3,373.49	5	3,011.09	5	2,648.69	5	2,286.17
1/4		1/4	5,139.14	1/4	4,805.91	1/4	4,453.11	1/4	4,090.74	1/4	3,728.34	1/4	3,365.94	1/4	3,003.54	1/4	2,641.14	1/4	2,278.61
1/2		1/2	5,132.43	1/2	4,798.76	1/2	4,445.58	1/2	4,083.19	1/2	3,720.79	1/2	3,358.39	1/2	2,995.99	1/2	2,633.59	1/2	2,271.06
3/4		3/4	5,125.72	3/4	4,791.61	3/4	4,438.04	3/4	4,075.64	3/4	3,713.24	3/4	3,350.84	3/4	2,988.44	3/4	2,626.04	3/4	2,263.51
6		6	5,118.97	6	4,784.44	6	4,430.49	6	4,068.09	6	3,705.69	6	3,343.29	6	2,980.89	6	2,618.49	6	2,255.95
1/4		1/4	5,112.22	1/4	4,777.26	1/4	4,422.94	1/4	4,060.54	1/4	3,698.14	1/4	3,335.74	1/4	2,973.34	1/4	2,610.94	1/4	2,248.40
1/2		1/2	5,105.47	1/2	4,770.08	1/2	4,415.39	1/2	4,052.99	1/2	3,690.59	1/2	3,328.19	1/2	2,965.79	1/2	2,603.38	1/2	2,240.85
3/4		3/4	5,098.73	3/4	4,762.90	3/4	4,407.84	3/4	4,045.44	3/4	3,683.04	3/4	3,320.64	3/4	2,958.24	3/4	2,595.83	3/4	2,233.30
7		7	5,091.95	7	4,755.70	7	4,400.29	7	4,037.89	7	3,675.49	7	3,313.09	7	2,950.69	7	2,588.28	7	2,225.74
1/4		1/4	5,085.17	1/4	4,748.49	1/4	4,392.74	1/4	4,030.34	1/4	3,667.94	1/4	3,305.54	1/4	2,943.14	1/4	2,580.72	1/4	2,218.19
1/2		1/2	5,078.39	1/2	4,741.28	1/2	4,385.19	1/2	4,022.79	1/2	3,660.39	1/2	3,297.99	1/2	2,935.59	1/2	2,573.17	1/2	2,210.64
3/4		3/4	5,071.61	3/4	4,734.07	3/4	4,377.64	3/4	4,015.24	3/4	3,652.84	3/4	3,290.44	3/4	2,928.04	3/4	2,565.62	3/4	2,203.08
8		8	5,064.80	8	4,726.81	8	4,370.09	8	4,007.69	8	3,645.29	8	3,282.89	8	2,920.49	8	2,558.07	8	2,195.53
1/4		1/4	5,057.99	1/4	4,719.54	1/4	4,362.54	1/4	4,000.14	1/4	3,637.74	1/4	3,275.34	1/4	2,912.94	1/4	2,550.51	1/4	2,187.98
1/2		1/2	5,051.18	1/2	4,712.27	1/2	4,354.99	1/2	3,992.59	1/2	3,630.19	1/2	3,267.79	1/2	2,905.39	1/2	2,542.96	1/2	2,180.43
3/4		3/4	5,044.37	3/4	4,705.01	3/4	4,347.44	3/4	3,985.04	3/4	3,622.64	3/4	3,260.24	3/4	2,897.84	3/4	2,535.41	3/4	2,172.87
9		9	5,037.53	9	4,697.71	9	4,339.89	9	3,977.49	9	3,615.09	9	3,252.69	9	2,890.29	9	2,527.86	9	2,165.32
1/4		1/4	5,030.69	1/4	4,690.42	1/4	4,332.34	1/4	3,969.94	1/4	3,607.54	1/4	3,245.14	1/4	2,882.74	1/4	2,520.30	1/4	2,157.77
1/2		1/2	5,023.85	1/2	4,683.12	1/2	4,324.79	1/2	3,962.39	1/2	3,599.99	1/2	3,237.59	1/2	2,875.19	1/2	2,512.75	1/2	2,150.22
3/4		3/4	5,017.01	3/4	4,675.82	3/4	4,317.24	3/4	3,954.84	3/4	3,592.44	3/4	3,230.04	3/4	2,867.64	3/4	2,505.20	3/4	2,142.66
10		10	5,010.07	10	4,668.50	10	4,309.69	10	3,947.29	10	3,584.89	10	3,222.49	10	2,860.09	10	2,497.64	10	2,135.11
1/4		1/4	5,003.13	1/4	4,661.17	1/4	4,302.14	1/4	3,939.74	1/4	3,577.34	1/4	3,214.94	1/4	2,852.54	1/4	2,490.09	1/4	2,127.56
1/2		1/2	4,996.19	1/2	4,653.85	1/2	4,294.59	1/2	3,932.19	1/2	3,569.79	1/2	3,207.39	1/2	2,844.99	1/2	2,482.54	1/2	2,120.00
3/4		3/4	4,989.25	3/4	4,646.52	3/4	4,287.04	3/4	3,924.64	3/4	3,562.24	3/4	3,199.84	3/4	2,837.44	3/4	2,474.99	3/4	2,112.45
11		11	4,982.28	11	4,639.16	11	4,279.49	11	3,917.09	11	3,554.69	11	3,192.29	11	2,829.89	11	2,467.43	11	2,104.90
1/4		1/4	4,975.31	1/4	4,631.81	1/4	4,271.94	1/4	3,909.54	1/4	3,547.14	1/4	3,184.74	1/4	2,822.34	1/4	2,459.88	1/4	2,097.35
1/2		1/2	4,968.33	1/2	4,624.45	1/2	4,264.39	1/2	3,901.99	1/2	3,539.59	1/2	3,177.19	1/2	2,814.79	1/2	2,452.33	1/2	2,089.79
3/4		3/4	4,961.36	3/4	4,617.10	3/4	4,256.84	3/4	3,894.44	3/4	3,532.04	3/4	3,169.64	3/4	2,807.24	3/4	2,444.77	3/4	2,082.24

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 306"

## 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	2,074.69	0	1,712.15	0	1,349.62	0	988.95	0	626.95	0	264.43	0		0		0		0	
1/4	2,067.13	1/4	1,704.60	1/4	1,342.07	1/4	981.45	1/4	619.40	1/4	256.88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,059.58	1/2	1,697.05	1/2	1,334.51	1/2	973.95	1/2	611.85	1/2	249.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,052.03	3/4	1,689.49	3/4	1,326.96	3/4	966.45	3/4	604.29	3/4	241.77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,044.48	1	1,681.94	1	1,319.41	1	958.95	1	596.74	1	234.22	1	1	1	1	1	1	1	1
1/4	2,036.92	1/4	1,674.39	1/4	1,311.85	1/4	951.45	1/4	589.19	1/4	226.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,029.37	1/2	1,666.84	1/2	1,304.30	1/2	943.95	1/2	581.64	1/2	219.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,021.82	3/4	1,659.28	3/4	1,296.75	3/4	936.45	3/4	574.08	3/4	211.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,014.26	2	1,651.73	2	1,289.20	2	928.93	2	566.53	2	204.01	2	2	2	2	2	2	2	2
1/4	2,006.71	1/4	1,644.18	1/4	1,281.64	1/4	921.42	1/4	558.98	1/4	196.46	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,999.16	1/2	1,636.62	1/2	1,274.09	1/2	913.91	1/2	551.43	1/2	188.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,991.61	3/4	1,629.07	3/4	1,266.54	3/4	906.39	3/4	543.87	3/4	181.35	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,984.05	3	1,621.52	3	1,259.02	3	898.84	3	536.32	3	173.80	3	3	3	3	3	3	3	3
1/4	1,976.50	1/4	1,613.97	1/4	1,251.51	1/4	891.29	1/4	528.77	1/4	166.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,968.95	1/2	1,606.41	1/2	1,244.00	1/2	883.74	1/2	521.22	1/2	158.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,961.40	3/4	1,598.86	3/4	1,236.49	3/4	876.18	3/4	513.66	3/4	151.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,953.84	4	1,591.31	4	1,228.98	4	868.63	4	506.11	4	143.61	4	4	4	4	4	4	4	4
1/4	1,946.29	1/4	1,583.76	1/4	1,221.48	1/4	861.08	1/4	498.56	1/4	136.06	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,938.74	1/2	1,576.20	1/2	1,213.98	1/2	853.53	1/2	491.01	1/2	128.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,931.18	3/4	1,568.65	3/4	1,206.48	3/4	845.97	3/4	483.45	3/4	120.98	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,923.63	5	1,561.10	5	1,198.98	5	838.42	5	475.90	5	113.46	5	5	5	5	5	5	5	5
1/4	1,916.08	1/4	1,553.54	1/4	1,191.48	1/4	830.87	1/4	468.35	1/4	105.95	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,908.53	1/2	1,545.99	1/2	1,183.98	1/2	823.32	1/2	460.80	1/2	98.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,900.97	3/4	1,538.44	3/4	1,176.48	3/4	815.76	3/4	453.24	3/4	90.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,893.42	6	1,530.89	6	1,168.98	6	808.21	6	445.69	6	83.99	6	6	6	6	6	6	6	6
1/4	1,885.87	1/4	1,523.33	1/4	1,161.48	1/4	800.66	1/4	438.14	1/4	77.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,878.31	1/2	1,515.78	1/2	1,153.97	1/2	793.11	1/2	430.59	1/2	70.15	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,870.76	3/4	1,508.23	3/4	1,146.47	3/4	785.55	3/4	423.03	3/4	63.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,863.21	7	1,500.67	7	1,138.97	7	778.00	7	415.48	7	57.57	7	7	7	7	7	7	7	7
1/4	1,855.66	1/4	1,493.12	1/4	1,131.47	1/4	770.45	1/4	407.93	1/4	51.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,848.10	1/2	1,485.57	1/2	1,123.97	1/2	762.90	1/2	400.38	1/2	46.24	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,840.55	3/4	1,478.02	3/4	1,116.47	3/4	755.34	3/4	392.82	3/4	40.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,833.00	8	1,470.46	8	1,108.97	8	747.79	8	385.27	8	36.17	8	8	8	8	8	8	8	8
1/4	1,825.44	1/4	1,462.91	1/4	1,101.47	1/4	740.24	1/4	377.72	1/4	31.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,817.89	1/2	1,455.36	1/2	1,093.97	1/2	732.69	1/2	370.17	1/2	27.36	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,810.34	3/4	1,447.80	3/4	1,086.47	3/4	725.13	3/4	362.61	3/4	22.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,802.79	9	1,440.25	9	1,078.96	9	717.58	9	355.06	9		9	9	9	9	9	9	9	9
1/4	1,795.23	1/4	1,432.70	1/4	1,071.46	1/4	710.03	1/4	347.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,787.68	1/2	1,425.15	1/2	1,063.96	1/2	702.48	1/2	339.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,780.13	3/4	1,417.59	3/4	1,056.46	3/4	694.92	3/4	332.40	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,772.58	10	1,410.04	10	1,048.96	10	687.37	10	324.85	10		10	10	10	10	10	10	10	10
1/4	1,765.02	1/4	1,402.49	1/4	1,041.46	1/4	679.82	1/4	317.30	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,757.47	1/2	1,394.94	1/2	1,033.96	1/2	672.27	1/2	309.75	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,749.92	3/4	1,387.38	3/4	1,026.46	3/4	664.71	3/4	302.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,742.36	11	1,379.83	11	1,018.96	11	657.16	11	294.64	11		11	11	11	11	11	11	11	11
1/4	1,734.81	1/4	1,372.28	1/4	1,011.46	1/4	649.61	1/4	287.09	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,727.26	1/2	1,364.72	1/2	1,003.95	1/2	642.06	1/2	279.54	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,719.71	3/4	1,357.17	3/4	996.45	3/4	634.50	3/4	271.98	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: 04/24/2013 CL - SW  
CALCULATED: 04/24/2013 CL  
PRINTED: 04/24/2013 CL

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 306"

## 2 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,928.05	0	4,583.60	0	4,223.89	0	3,862.53	0	3,501.18	0	3,139.82	0	2,778.46	0	2,417.03
1/4		1/4	5,229.70	1/4	4,921.08	1/4	4,576.24	1/4	4,216.36	1/4	3,855.01	1/4	3,493.65	1/4	3,132.29	1/4	2,770.93	1/4	2,409.50
1/2		1/2	5,225.38	1/2	4,914.07	1/2	4,568.85	1/2	4,208.84	1/2	3,847.48	1/2	3,486.12	1/2	3,124.76	1/2	2,763.40	1/2	2,401.97
3/4		3/4	5,221.06	3/4	4,907.06	3/4	4,561.45	3/4	4,201.31	3/4	3,839.95	3/4	3,478.59	3/4	3,117.23	3/4	2,755.87	3/4	2,394.43
1		1	5,216.74	1	4,900.05	1	4,554.06	1	4,193.78	1	3,832.42	1	3,471.06	1	3,109.70	1	2,748.35	1	2,386.90
1/4		1/4	5,212.42	1/4	4,893.04	1/4	4,546.66	1/4	4,186.25	1/4	3,824.89	1/4	3,463.53	1/4	3,102.18	1/4	2,740.82	1/4	2,379.37
1/2		1/2	5,206.88	1/2	4,886.00	1/2	4,539.24	1/2	4,178.72	1/2	3,817.36	1/2	3,456.01	1/2	3,094.65	1/2	2,733.29	1/2	2,371.84
3/4		3/4	5,201.33	3/4	4,878.97	3/4	4,531.81	3/4	4,171.19	3/4	3,809.84	3/4	3,448.48	3/4	3,087.12	3/4	2,725.76	3/4	2,364.31
2		2	5,195.78	2	4,871.93	2	4,524.39	2	4,163.67	2	3,802.31	2	3,440.95	2	3,079.59	2	2,718.23	2	2,356.78
1/4		1/4	5,190.24	1/4	4,864.89	1/4	4,516.97	1/4	4,156.14	1/4	3,794.78	1/4	3,433.42	1/4	3,072.06	1/4	2,710.70	1/4	2,349.25
1/2		1/2	5,184.23	1/2	4,857.82	1/2	4,509.51	1/2	4,148.61	1/2	3,787.25	1/2	3,425.89	1/2	3,064.53	1/2	2,703.18	1/2	2,341.72
3/4		3/4	5,178.21	3/4	4,850.75	3/4	4,502.06	3/4	4,141.08	3/4	3,779.72	3/4	3,418.36	3/4	3,057.01	3/4	2,695.65	3/4	2,334.19
3		3	5,172.20	3	4,843.69	3	4,494.60	3	4,133.55	3	3,772.19	3	3,410.84	3	3,049.48	3	2,688.12	3	2,326.66
1/4		1/4	5,166.19	1/4	4,836.62	1/4	4,487.15	1/4	4,126.02	1/4	3,764.67	1/4	3,403.31	1/4	3,041.95	1/4	2,680.59	1/4	2,319.12
1/2		1/2	5,159.55	1/2	4,829.52	1/2	4,479.67	1/2	4,118.50	1/2	3,757.14	1/2	3,395.78	1/2	3,034.42	1/2	2,673.06	1/2	2,311.59
3/4		3/4	5,152.92	3/4	4,822.42	3/4	4,472.18	3/4	4,110.97	3/4	3,749.61	3/4	3,388.25	3/4	3,026.89	3/4	2,665.53	3/4	2,304.06
4		4	5,146.28	4	4,815.33	4	4,464.70	4	4,103.44	4	3,742.08	4	3,380.72	4	3,019.36	4	2,658.01	4	2,296.53
1/4		1/4	5,139.65	1/4	4,808.23	1/4	4,457.22	1/4	4,095.91	1/4	3,734.55	1/4	3,373.19	1/4	3,011.84	1/4	2,650.48	1/4	2,289.00
1/2		1/2	5,132.96	1/2	4,801.10	1/2	4,449.70	1/2	4,088.38	1/2	3,727.02	1/2	3,365.67	1/2	3,004.31	1/2	2,642.95	1/2	2,281.47
3/4		3/4	5,126.27	3/4	4,793.97	3/4	4,442.19	3/4	4,080.85	3/4	3,719.50	3/4	3,358.14	3/4	2,996.78	3/4	2,635.42	3/4	2,273.94
5		5	5,119.57	5	4,786.85	5	4,434.67	5	4,073.33	5	3,711.97	5	3,350.61	5	2,989.25	5	2,627.89	5	2,266.41
1/4		1/4	5,112.88	1/4	4,779.72	1/4	4,427.16	1/4	4,065.80	1/4	3,704.44	1/4	3,343.08	1/4	2,981.72	1/4	2,620.36	1/4	2,258.88
1/2		1/2	5,106.15	1/2	4,772.56	1/2	4,419.63	1/2	4,058.27	1/2	3,696.91	1/2	3,335.55	1/2	2,974.19	1/2	2,612.83	1/2	2,251.35
3/4		3/4	5,099.42	3/4	4,765.40	3/4	4,412.10	3/4	4,050.74	3/4	3,689.38	3/4	3,328.02	3/4	2,966.67	3/4	2,605.30	3/4	2,243.81
6		6	5,092.69	6	4,758.25	6	4,404.57	6	4,043.21	6	3,681.86	6	3,320.50	6	2,959.14	6	2,597.77	6	2,236.28
1/4		1/4	5,085.97	1/4	4,751.09	1/4	4,397.04	1/4	4,035.69	1/4	3,674.33	1/4	3,312.97	1/4	2,951.61	1/4	2,590.24	1/4	2,228.75
1/2		1/2	5,079.20	1/2	4,743.90	1/2	4,389.52	1/2	4,028.16	1/2	3,666.80	1/2	3,305.44	1/2	2,944.08	1/2	2,582.71	1/2	2,221.22
3/4		3/4	5,072.44	3/4	4,736.72	3/4	4,381.99	3/4	4,020.63	3/4	3,659.27	3/4	3,297.91	3/4	2,936.55	3/4	2,575.18	3/4	2,213.69
7		7	5,065.68	7	4,729.53	7	4,374.46	7	4,013.10	7	3,651.74	7	3,290.38	7	2,929.03	7	2,567.65	7	2,206.16
1/4		1/4	5,058.92	1/4	4,722.34	1/4	4,366.93	1/4	4,005.57	1/4	3,644.21	1/4	3,282.86	1/4	2,921.50	1/4	2,560.12	1/4	2,198.63
1/2		1/2	5,052.13	1/2	4,715.10	1/2	4,359.40	1/2	3,998.04	1/2	3,636.69	1/2	3,275.33	1/2	2,913.97	1/2	2,552.59	1/2	2,191.10
3/4		3/4	5,045.34	3/4	4,707.85	3/4	4,351.87	3/4	3,990.52	3/4	3,629.16	3/4	3,267.80	3/4	2,906.44	3/4	2,545.05	3/4	2,183.57
8		8	5,038.55	8	4,700.61	8	4,344.35	8	3,982.99	8	3,621.63	8	3,260.27	8	2,898.91	8	2,537.52	8	2,176.04
1/4		1/4	5,031.76	1/4	4,693.36	1/4	4,336.82	1/4	3,975.46	1/4	3,614.10	1/4	3,252.74	1/4	2,891.38	1/4	2,529.99	1/4	2,168.50
1/2		1/2	5,024.94	1/2	4,686.09	1/2	4,329.29	1/2	3,967.93	1/2	3,606.57	1/2	3,245.21	1/2	2,883.86	1/2	2,522.46	1/2	2,160.97
3/4		3/4	5,018.12	3/4	4,678.81	3/4	4,321.76	3/4	3,960.40	3/4	3,599.04	3/4	3,237.69	3/4	2,876.33	3/4	2,514.93	3/4	2,153.44
9		9	5,011.30	9	4,671.53	9	4,314.23	9	3,952.87	9	3,591.52	9	3,230.16	9	2,868.80	9	2,507.40	9	2,145.91
1/4		1/4	5,004.48	1/4	4,664.26	1/4	4,306.70	1/4	3,945.35	1/4	3,583.99	1/4	3,222.63	1/4	2,861.27	1/4	2,499.87	1/4	2,138.38
1/2		1/2	4,997.56	1/2	4,656.95	1/2	4,299.18	1/2	3,937.82	1/2	3,576.46	1/2	3,215.10	1/2	2,853.74	1/2	2,492.34	1/2	2,130.85
3/4		3/4	4,990.64	3/4	4,649.65	3/4	4,291.65	3/4	3,930.29	3/4	3,568.93	3/4	3,207.57	3/4	2,846.21	3/4	2,484.81	3/4	2,123.32
10		10	4,983.72	10	4,642.34	10	4,284.12	10	3,922.76	10	3,561.40	10	3,200.04	10	2,838.69	10	2,477.28	10	2,115.79
1/4		1/4	4,976.79	1/4	4,635.04	1/4	4,276.59	1/4	3,915.23	1/4	3,553.87	1/4	3,192.52	1/4	2,831.16	1/4	2,469.74	1/4	2,108.26
1/2		1/2	4,969.84	1/2	4,627.70	1/2	4,269.06	1/2	3,907.70	1/2	3,546.35	1/2	3,184.99	1/2	2,823.63	1/2	2,462.21	1/2	2,100.73
3/4		3/4	4,962.89	3/4	4,620.37	3/4	4,261.53	3/4	3,900.18	3/4	3,538.82	3/4	3,177.46	3/4	2,816.10	3/4	2,454.68	3/4	2,093.19
11		11	4,955.94	11	4,613.03	11	4,254.01	11	3,892.65	11	3,531.29	11	3,169.93	11	2,808.57	11	2,447.15	11	2,085.66
1/4		1/4	4,948.99	1/4	4,605.70	1/4	4,246.48	1/4	3,885.12	1/4	3,523.76	1/4	3,162.40	1/4	2,801.04	1/4	2,439.62	1/4	2,078.13
1/2		1/2	4,942.01	1/2	4,598.33	1/2	4,238.95	1/2	3,877.59	1/2	3,516.23	1/2	3,154.87	1/2	2,793.52	1/2	2,432.09	1/2	2,070.60
3/4		3/4	4,935.03	3/4	4,590.97	3/4	4,231.42	3/4	3,870.06	3/4	3,508.70	3/4	3,147.35	3/4	2,785.99	3/4	2,424.56	3/4	2,063.07

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 306"

## 2 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	2,048.01	1/4	1,686.52	1/4	1,325.03	1/4	963.99	1/4	602.56	1/4	241.08	1/4		1/4		1/4		1/4		1/4	
1/2	2,040.48	1/2	1,678.99	1/2	1,317.50	1/2	956.47	1/2	595.03	1/2	233.55	1/2		1/2		1/2		1/2		1/2	
3/4	2,032.95	3/4	1,671.46	3/4	1,309.97	3/4	948.95	3/4	587.50	3/4	226.02	3/4		3/4		3/4		3/4		3/4	
1	2,025.42	1	1,663.93	1	1,302.44	1	941.43	1	579.97	1	218.49	1		1		1		1		1	
1/4	2,017.88	1/4	1,656.40	1/4	1,294.91	1/4	933.91	1/4	572.43	1/4	210.96	1/4		1/4		1/4		1/4		1/4	
1/2	2,010.35	1/2	1,648.87	1/2	1,287.38	1/2	926.38	1/2	564.90	1/2	203.43	1/2		1/2		1/2		1/2		1/2	
3/4	2,002.82	3/4	1,641.33	3/4	1,279.85	3/4	918.85	3/4	557.37	3/4	195.89	3/4		3/4		3/4		3/4		3/4	
2	1,995.29	2	1,633.80	2	1,272.32	2	911.32	2	549.84	2	188.36	2		2		2		2		2	
1/4	1,987.76	1/4	1,626.27	1/4	1,264.78	1/4	903.79	1/4	542.31	1/4	180.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,980.23	1/2	1,618.74	1/2	1,257.25	1/2	896.26	1/2	534.78	1/2	173.30	1/2		1/2		1/2		1/2		1/2	
3/4	1,972.70	3/4	1,611.21	3/4	1,249.72	3/4	888.73	3/4	527.25	3/4	165.77	3/4		3/4		3/4		3/4		3/4	
3	1,965.17	3	1,603.68	3	1,242.19	3	881.20	3	519.72	3	158.24	3		3		3		3		3	
1/4	1,957.64	1/4	1,596.15	1/4	1,234.66	1/4	873.67	1/4	512.19	1/4	150.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,950.11	1/2	1,588.62	1/2	1,227.14	1/2	866.14	1/2	504.66	1/2	143.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,942.57	3/4	1,581.09	3/4	1,219.62	3/4	858.60	3/4	497.13	3/4	135.67	3/4		3/4		3/4		3/4		3/4	
4	1,935.04	4	1,573.56	4	1,212.10	4	851.07	4	489.60	4	128.15	4		4		4		4		4	
1/4	1,927.51	1/4	1,566.02	1/4	1,204.59	1/4	843.54	1/4	482.06	1/4	120.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,919.98	1/2	1,558.49	1/2	1,197.07	1/2	836.01	1/2	474.53	1/2	113.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,912.45	3/4	1,550.96	3/4	1,189.55	3/4	828.48	3/4	467.00	3/4	105.64	3/4		3/4		3/4		3/4		3/4	
5	1,904.92	5	1,543.43	5	1,182.03	5	820.95	5	459.47	5	98.15	5		5		5		5		5	
1/4	1,897.39	1/4	1,535.90	1/4	1,174.51	1/4	813.42	1/4	451.94	1/4	90.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,889.86	1/2	1,528.37	1/2	1,166.99	1/2	805.89	1/2	444.41	1/2	83.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,882.33	3/4	1,520.84	3/4	1,159.47	3/4	798.36	3/4	436.88	3/4	76.85	3/4		3/4		3/4		3/4		3/4	
6	1,874.80	6	1,513.31	6	1,151.96	6	790.83	6	429.35	6	69.95	6		6		6		6		6	
1/4	1,867.26	1/4	1,505.78	1/4	1,144.44	1/4	783.30	1/4	421.82	1/4	63.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,859.73	1/2	1,498.25	1/2	1,136.92	1/2	775.77	1/2	414.29	1/2	57.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,852.20	3/4	1,490.71	3/4	1,129.40	3/4	768.24	3/4	406.76	3/4	51.75	3/4		3/4		3/4		3/4		3/4	
7	1,844.67	7	1,483.18	7	1,121.88	7	760.70	7	399.23	7	46.11	7		7		7		7		7	
1/4	1,837.14	1/4	1,475.65	1/4	1,114.36	1/4	753.17	1/4	391.70	1/4	40.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,829.61	1/2	1,468.12	1/2	1,106.84	1/2	745.64	1/2	384.16	1/2	36.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,822.08	3/4	1,460.59	3/4	1,099.32	3/4	738.11	3/4	376.63	3/4	31.68	3/4		3/4		3/4		3/4		3/4	
8	1,814.55	8	1,453.06	8	1,091.81	8	730.58	8	369.10	8	27.28	8		8		8		8		8	
1/4	1,807.02	1/4	1,445.53	1/4	1,084.29	1/4	723.05	1/4	361.57	1/4	22.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,799.49	1/2	1,438.00	1/2	1,076.77	1/2	715.52	1/2	354.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,791.95	3/4	1,430.47	3/4	1,069.25	3/4	707.99	3/4	346.51	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,784.42	9	1,422.94	9	1,061.73	9	700.46	9	338.98	9		9		9		9		9		9	
1/4	1,776.89	1/4	1,415.40	1/4	1,054.21	1/4	692.93	1/4	331.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,769.36	1/2	1,407.87	1/2	1,046.69	1/2	685.40	1/2	323.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,761.83	3/4	1,400.34	3/4	1,039.17	3/4	677.87	3/4	316.39	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,754.30	10	1,392.81	10	1,031.66	10	670.33	10	308.86	10		10		10		10		10		10	
1/4	1,746.77	1/4	1,385.28	1/4	1,024.14	1/4	662.80	1/4	301.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,739.24	1/2	1,377.75	1/2	1,016.62	1/2	655.27	1/2	293.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,731.71	3/4	1,370.22	3/4	1,009.10	3/4	647.74	3/4	286.26	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,724.18	11	1,362.69	11	1,001.58	11	640.21	11	278.73	11		11		11		11		11		11	
1/4	1,716.64	1/4	1,355.16	1/4	994.06	1/4	632.68	1/4	271.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,709.11	1/2	1,347.63	1/2	986.54	1/2	625.15	1/2	263.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,701.58	3/4	1,340.09	3/4	979.02	3/4	617.62	3/4	256.14	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/24/2013 CL - SW  
CALCULATED: 04/24/2013 CL  
PRINTED: 04/24/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "HBC 306"

## 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.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,919.14	0	4,575.08	0	4,215.55	0	3,854.19	0	3,492.83	0	3,131.47	0	2,770.11	0	2,408.68
1/4	1/4	1/4	1/4	1/4	4,912.17	1/4	4,567.72	1/4	4,208.02	1/4	3,846.66	1/4	3,485.30	1/4	3,123.94	1/4	2,762.59	1/4	2,401.15
1/2	1/2	1/2	1/2	1/2	4,905.19	1/2	4,560.35	1/2	4,200.49	1/2	3,839.13	1/2	3,477.77	1/2	3,116.42	1/2	2,755.06	1/2	2,393.62
3/4	3/4	3/4	3/4	3/4	4,898.18	3/4	4,552.96	3/4	4,192.96	3/4	3,831.60	3/4	3,470.25	3/4	3,108.89	3/4	2,747.53	3/4	2,386.09
1	1	1	1	1	4,891.17	1	4,545.56	1	4,185.43	1	3,824.08	1	3,462.72	1	3,101.36	1	2,740.00	1	2,378.56
1/4	1/4	1/4	1/4	1/4	4,884.16	1/4	4,538.17	1/4	4,177.91	1/4	3,816.55	1/4	3,455.19	1/4	3,093.83	1/4	2,732.47	1/4	2,371.03
1/2	1/2	1/2	1/2	1/2	4,877.15	1/2	4,530.77	1/2	4,170.38	1/2	3,809.02	1/2	3,447.66	1/2	3,086.30	1/2	2,724.94	1/2	2,363.50
3/4	3/4	3/4	3/4	3/4	4,870.12	3/4	4,523.35	3/4	4,162.85	3/4	3,801.49	3/4	3,440.13	3/4	3,078.77	3/4	2,717.42	3/4	2,355.97
2	2	2	2	2	4,863.08	2	4,515.92	2	4,155.32	2	3,793.96	2	3,432.60	2	3,071.25	2	2,709.89	2	2,348.43
1/4	1/4	1/4	1/4	1/4	4,856.04	1/4	4,508.50	1/4	4,147.79	1/4	3,786.44	1/4	3,425.08	1/4	3,063.72	1/4	2,702.36	1/4	2,340.90
1/2	1/2	1/2	1/2	1/2	4,849.00	1/2	4,501.08	1/2	4,140.27	1/2	3,778.91	1/2	3,417.55	1/2	3,056.19	1/2	2,694.83	1/2	2,333.37
3/4	3/4	3/4	3/4	3/4	4,841.93	3/4	4,493.62	3/4	4,132.74	3/4	3,771.38	3/4	3,410.02	3/4	3,048.66	3/4	2,687.30	3/4	2,325.84
3	3	3	3	3	4,834.87	3	4,486.17	3	4,125.21	3	3,763.85	3	3,402.49	3	3,041.13	3	2,679.77	3	2,318.31
1/4	1/4	1/4	1/4	1/4	4,827.80	1/4	4,478.71	1/4	4,117.68	1/4	3,756.32	1/4	3,394.96	1/4	3,033.61	1/4	2,672.25	1/4	2,310.78
1/2	1/2	1/2	1/2	1/2	4,820.73	1/2	4,471.26	1/2	4,110.15	1/2	3,748.79	1/2	3,387.44	1/2	3,026.08	1/2	2,664.72	1/2	2,303.25
3/4	3/4	3/4	3/4	3/4	4,813.63	3/4	4,463.78	3/4	4,102.62	3/4	3,741.27	3/4	3,379.91	3/4	3,018.55	3/4	2,657.19	3/4	2,295.72
4	4	4	4	4	4,806.53	4	4,456.29	4	4,095.10	4	3,733.74	4	3,372.38	4	3,011.02	4	2,649.66	4	2,288.19
1/4	1/4	1/4	1/4	1/4	4,799.44	1/4	4,448.81	1/4	4,087.57	1/4	3,726.21	1/4	3,364.85	1/4	3,003.49	1/4	2,642.13	1/4	2,280.65
1/2	1/2	1/2	1/2	1/2	4,792.34	1/2	4,441.33	1/2	4,080.04	1/2	3,718.68	1/2	3,357.32	1/2	2,995.96	1/2	2,634.61	1/2	2,273.12
3/4	3/4	3/4	3/4	3/4	4,785.21	3/4	4,433.82	3/4	4,072.51	3/4	3,711.15	3/4	3,349.79	3/4	2,988.44	3/4	2,627.08	3/4	2,265.59
5	5	5	5	5	4,778.08	5	4,426.30	5	4,064.98	5	3,703.62	5	3,342.27	5	2,980.91	5	2,619.55	5	2,258.06
1/4	1/4	1/4	1/4	1/4	4,770.96	1/4	4,418.79	1/4	4,057.45	1/4	3,696.10	1/4	3,334.74	1/4	2,973.38	1/4	2,612.02	1/4	2,250.53
1/2	1/2	1/2	1/2	1/2	4,763.83	1/2	4,411.28	1/2	4,049.93	1/2	3,688.57	1/2	3,327.21	1/2	2,965.85	1/2	2,604.49	1/2	2,243.00
3/4	3/4	3/4	3/4	3/4	4,756.67	3/4	4,403.76	3/4	4,042.40	3/4	3,681.04	3/4	3,319.68	3/4	2,958.32	3/4	2,596.96	3/4	2,235.47
6	6	6	6	6	4,749.52	6	4,396.23	6	4,034.87	6	3,673.51	6	3,312.15	6	2,950.79	6	2,589.43	6	2,227.94
1/4	1/4	1/4	1/4	1/4	4,742.36	1/4	4,388.70	1/4	4,027.34	1/4	3,665.98	1/4	3,304.62	1/4	2,943.27	1/4	2,581.90	1/4	2,220.41
1/2	1/2	1/2	1/2	1/2	4,735.20	1/2	4,381.17	1/2	4,019.81	1/2	3,658.45	1/2	3,297.10	1/2	2,935.74	1/2	2,574.37	1/2	2,212.87
3/4	3/4	3/4	3/4	3/4	4,728.02	3/4	4,373.64	3/4	4,012.28	3/4	3,650.93	3/4	3,289.57	3/4	2,928.21	3/4	2,566.84	3/4	2,205.34
7	7	7	7	7	4,720.83	7	4,366.11	7	4,004.76	7	3,643.40	7	3,282.04	7	2,920.68	7	2,559.31	7	2,197.81
1/4	1/4	1/4	1/4	1/4	4,713.64	1/4	4,358.59	1/4	3,997.23	1/4	3,635.87	1/4	3,274.51	1/4	2,913.15	1/4	2,551.77	1/4	2,190.28
1/2	1/2	1/2	1/2	1/2	4,706.45	1/2	4,351.06	1/2	3,989.70	1/2	3,628.34	1/2	3,266.98	1/2	2,905.62	1/2	2,544.24	1/2	2,182.75
3/4	3/4	3/4	3/4	3/4	4,699.21	3/4	4,343.53	3/4	3,982.17	3/4	3,620.81	3/4	3,259.45	3/4	2,898.10	3/4	2,536.71	3/4	2,175.22
8	8	8	8	8	4,691.96	8	4,336.00	8	3,974.64	8	3,613.28	8	3,251.93	8	2,890.57	8	2,529.18	8	2,167.69
1/4	1/4	1/4	1/4	1/4	4,684.72	1/4	4,328.47	1/4	3,967.11	1/4	3,605.76	1/4	3,244.40	1/4	2,883.04	1/4	2,521.65	1/4	2,160.16
1/2	1/2	1/2	1/2	1/2	4,677.47	1/2	4,320.94	1/2	3,959.59	1/2	3,598.23	1/2	3,236.87	1/2	2,875.51	1/2	2,514.12	1/2	2,152.63
3/4	3/4	3/4	3/4	3/4	4,670.20	3/4	4,313.42	3/4	3,952.06	3/4	3,590.70	3/4	3,229.34	3/4	2,867.98	3/4	2,506.59	3/4	2,145.09
9	9	9	9	9	4,662.92	9	4,305.89	9	3,944.53	9	3,583.17	9	3,221.81	9	2,860.45	9	2,499.06	9	2,137.56
1/4	1/4	1/4	1/4	1/4	4,655.65	1/4	4,298.36	1/4	3,937.00	1/4	3,575.64	1/4	3,214.28	1/4	2,852.93	1/4	2,491.53	1/4	2,130.03
1/2	1/2	1/2	1/2	1/2	4,648.37	1/2	4,290.83	1/2	3,929.47	1/2	3,568.11	1/2	3,206.76	1/2	2,845.40	1/2	2,483.99	1/2	2,122.50
3/4	3/4	3/4	3/4	3/4	4,641.06	3/4	4,283.30	3/4	3,921.94	3/4	3,560.59	3/4	3,199.23	3/4	2,837.87	3/4	2,476.46	3/4	2,114.97
10	10	10	10	10	4,633.76	10	4,275.77	10	3,914.42	10	3,553.06	10	3,191.70	10	2,830.34	10	2,468.93	10	2,107.44
1/4	1/4	1/4	1/4	1/4	4,626.45	1/4	4,268.25	1/4	3,906.89	1/4	3,545.53	1/4	3,184.17	1/4	2,822.81	1/4	2,461.40	1/4	2,099.91
1/2	1/2	1/2	1/2	1/2	4,619.15	1/2	4,260.72	1/2	3,899.36	1/2	3,538.00	1/2	3,176.64	1/2	2,815.28	1/2	2,453.87	1/2	2,092.38
3/4	3/4	3/4	3/4	3/4	4,611.81	3/4	4,253.19	3/4	3,891.83	3/4	3,530.47	3/4	3,169.11	3/4	2,807.76	3/4	2,446.34	3/4	2,084.85
11	11	11	11	11	4,604.48	11	4,245.66	11	3,884.30	11	3,522.94	11	3,161.59	11	2,800.23	11	2,438.81	11	2,077.31
1/4	1/4	1/4	1/4	1/4	4,597.14	1/4	4,238.13	1/4	3,876.77	1/4	3,515.42	1/4	3,154.06	1/4	2,792.70	1/4	2,431.28	1/4	2,069.78
1/2	1/2	1/2	1/2	1/2	4,589.81	1/2	4,230.60	1/2	3,869.25	1/2	3,507.89	1/2	3,146.53	1/2	2,785.17	1/2	2,423.75	1/2	2,062.25
3/4	3/4	3/4	3/4	3/4	4,582.44	3/4	4,223.08	3/4	3,861.72	3/4	3,500.36	3/4	3,139.00	3/4	2,777.64	3/4	2,416.21	3/4	2,054.72

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 306"

## 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.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,047.19	0	1,685.70	0	1,324.20	0	975.71	0	617.62	0	256.14	0		0		0		0	
1/4	2,039.66	1/4	1,678.17	1/4	1,316.67	1/4	968.52	1/4	610.09	1/4	248.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,032.13	1/2	1,670.64	1/2	1,309.14	1/2	961.33	1/2	602.56	1/2	241.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,024.60	3/4	1,663.10	3/4	1,301.61	3/4	954.15	3/4	595.03	3/4	233.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,017.07	1	1,655.57	1	1,294.08	1	946.96	1	587.50	1	226.02	1	1	1	1	1	1	1	1
1/4	2,009.54	1/4	1,648.04	1/4	1,286.55	1/4	939.77	1/4	579.96	1/4	218.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,002.00	1/2	1,640.51	1/2	1,279.02	1/2	932.58	1/2	572.43	1/2	210.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,994.47	3/4	1,632.98	3/4	1,271.49	3/4	925.39	3/4	564.90	3/4	203.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,986.94	2	1,625.45	2	1,263.96	2	918.19	2	557.37	2	195.89	2	2	2	2	2	2	2	2
1/4	1,979.41	1/4	1,617.92	1/4	1,256.43	1/4	910.99	1/4	549.84	1/4	188.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,971.88	1/2	1,610.39	1/2	1,248.89	1/2	903.79	1/2	542.31	1/2	180.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,964.35	3/4	1,602.86	3/4	1,241.69	3/4	896.26	3/4	534.78	3/4	173.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,956.82	3	1,595.32	3	1,234.49	3	888.73	3	527.25	3	165.77	3	3	3	3	3	3	3	3
1/4	1,949.29	1/4	1,587.79	1/4	1,227.29	1/4	881.20	1/4	519.72	1/4	158.24	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,941.76	1/2	1,580.26	1/2	1,220.09	1/2	873.67	1/2	512.19	1/2	150.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,934.22	3/4	1,572.73	3/4	1,212.90	3/4	866.14	3/4	504.66	3/4	143.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,926.69	4	1,565.20	4	1,205.72	4	858.60	4	497.13	4	135.67	4	4	4	4	4	4	4	4
1/4	1,919.16	1/4	1,557.67	1/4	1,198.53	1/4	851.07	1/4	489.60	1/4	128.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,911.63	1/2	1,550.14	1/2	1,191.34	1/2	843.54	1/2	482.06	1/2	120.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,904.10	3/4	1,542.61	3/4	1,184.15	3/4	836.01	3/4	474.53	3/4	113.14	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,896.57	5	1,535.08	5	1,176.97	5	828.48	5	467.00	5	105.64	5	5	5	5	5	5	5	5
1/4	1,889.04	1/4	1,527.54	1/4	1,169.78	1/4	820.95	1/4	459.47	1/4	98.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,881.51	1/2	1,520.01	1/2	1,162.59	1/2	813.42	1/2	451.94	1/2	90.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,873.98	3/4	1,512.48	3/4	1,155.40	3/4	805.89	3/4	444.41	3/4	83.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,866.44	6	1,504.95	6	1,148.21	6	798.36	6	436.88	6	76.85	6	6	6	6	6	6	6	6
1/4	1,858.91	1/4	1,497.42	1/4	1,141.03	1/4	790.83	1/4	429.35	1/4	69.95	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,851.38	1/2	1,489.89	1/2	1,133.84	1/2	783.30	1/2	421.82	1/2	63.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,843.85	3/4	1,482.36	3/4	1,126.65	3/4	775.77	3/4	414.29	3/4	57.40	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,836.32	7	1,474.83	7	1,119.46	7	768.23	7	406.76	7	51.75	7	7	7	7	7	7	7	7
1/4	1,828.79	1/4	1,467.30	1/4	1,112.28	1/4	760.70	1/4	399.23	1/4	46.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,821.26	1/2	1,459.76	1/2	1,105.09	1/2	753.17	1/2	391.69	1/2	40.46	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,813.73	3/4	1,452.23	3/4	1,097.90	3/4	745.64	3/4	384.16	3/4	36.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,806.20	8	1,444.70	8	1,090.71	8	738.11	8	376.63	8	31.67	8	8	8	8	8	8	8	8
1/4	1,798.66	1/4	1,437.17	1/4	1,083.53	1/4	730.58	1/4	369.10	1/4	27.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,791.13	1/2	1,429.64	1/2	1,076.34	1/2	723.05	1/2	361.57	1/2	22.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,783.60	3/4	1,422.11	3/4	1,069.15	3/4	715.52	3/4	354.04	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,776.07	9	1,414.58	9	1,061.96	9	707.99	9	346.51	9		9	9	9	9	9	9	9	9
1/4	1,768.54	1/4	1,407.05	1/4	1,054.77	1/4	700.46	1/4	338.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,761.01	1/2	1,399.52	1/2	1,047.59	1/2	692.93	1/2	331.45	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,753.48	3/4	1,391.98	3/4	1,040.40	3/4	685.40	3/4	323.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,745.95	10	1,384.45	10	1,033.21	10	677.87	10	316.39	10		10	10	10	10	10	10	10	10
1/4	1,738.42	1/4	1,376.92	1/4	1,026.02	1/4	670.33	1/4	308.86	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,730.88	1/2	1,369.39	1/2	1,018.84	1/2	662.80	1/2	301.33	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	1,361.86	3/4	1,011.65	3/4	655.27	3/4	293.79	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,715.82	11	1,354.33	11	1,004.46	11	647.74	11	286.26	11		11	11	11	11	11	11	11	11
1/4	1,708.29	1/4	1,346.80	1/4	997.27	1/4	640.21	1/4	278.73	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	1,339.27	1/2	990.09	1/2	632.68	1/2	271.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,693.23	3/4	1,331.74	3/4	982.90	3/4	625.15	3/4	263.67	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: 04/24/2013 CL - SW  
CALCULATED: 04/24/2013 CL  
PRINTED: 04/24/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "HBC 306"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	4,409.40	0	4,254.54	0	4,069.78	0	3,877.02	0	3,683.47	0	3,476.18	0	3,118.21	0	2,758.98	0	2,399.16
1/4		1/4	4,408.53	1/4	4,250.78	1/4	4,065.82	1/4	3,872.99	1/4	3,679.43	1/4	3,468.72	1/4	3,110.73	1/4	2,751.49	1/4	2,391.66
1/2		1/2	4,407.66	1/2	4,247.03	1/2	4,061.86	1/2	3,868.96	1/2	3,675.40	1/2	3,461.26	1/2	3,103.24	1/2	2,743.99	1/2	2,384.17
3/4		3/4	4,406.79	3/4	4,243.27	3/4	4,057.90	3/4	3,864.92	3/4	3,671.37	3/4	3,453.79	3/4	3,095.76	3/4	2,736.50	3/4	2,376.67
1		1	4,405.92	1	4,239.52	1	4,053.94	1	3,860.89	1	3,667.34	1	3,446.33	1	3,088.28	1	2,729.00	1	2,369.17
1/4		1/4	4,403.81	1/4	4,235.74	1/4	4,049.96	1/4	3,856.86	1/4	3,663.30	1/4	3,438.86	1/4	3,080.80	1/4	2,721.51	1/4	2,361.68
1/2		1/2	4,401.71	1/2	4,231.97	1/2	4,045.98	1/2	3,852.83	1/2	3,659.27	1/2	3,431.40	1/2	3,073.31	1/2	2,714.01	1/2	2,354.18
3/4		3/4	4,399.60	3/4	4,228.20	3/4	4,042.01	3/4	3,848.79	3/4	3,655.24	3/4	3,423.94	3/4	3,065.83	3/4	2,706.51	3/4	2,346.68
2		2	4,397.50	2	4,224.43	2	4,038.03	2	3,844.76	2	3,651.21	2	3,416.47	2	3,058.35	2	2,699.02	2	2,339.18
1/4		1/4	4,394.57	1/4	4,220.64	1/4	4,034.04	1/4	3,840.73	1/4	3,647.17	1/4	3,409.01	1/4	3,050.87	1/4	2,691.52	1/4	2,331.69
1/2		1/2	4,391.63	1/2	4,216.85	1/2	4,030.04	1/2	3,836.70	1/2	3,643.14	1/2	3,401.54	1/2	3,043.38	1/2	2,684.03	1/2	2,324.19
3/4		3/4	4,388.70	3/4	4,213.07	3/4	4,026.05	3/4	3,832.67	3/4	3,639.11	3/4	3,394.08	3/4	3,035.90	3/4	2,676.53	3/4	2,316.69
3		3	4,385.77	3	4,209.28	3	4,022.06	3	3,828.63	3	3,635.08	3	3,386.61	3	3,028.42	3	2,669.04	3	2,309.20
1/4		1/4	4,382.23	1/4	4,205.48	1/4	4,018.05	1/4	3,824.60	1/4	3,631.05	1/4	3,379.15	1/4	3,020.93	1/4	2,661.54	1/4	2,301.70
1/2		1/2	4,378.69	1/2	4,201.67	1/2	4,014.04	1/2	3,820.57	1/2	3,627.01	1/2	3,371.69	1/2	3,013.45	1/2	2,654.05	1/2	2,294.20
3/4		3/4	4,375.15	3/4	4,197.87	3/4	4,010.03	3/4	3,816.54	3/4	3,622.98	3/4	3,364.22	3/4	3,005.97	3/4	2,646.55	3/4	2,286.71
4		4	4,371.61	4	4,194.07	4	4,006.03	4	3,812.50	4	3,618.95	4	3,356.76	4	2,998.49	4	2,639.05	4	2,279.21
1/4		1/4	4,368.03	1/4	4,190.25	1/4	4,002.00	1/4	3,808.47	1/4	3,614.92	1/4	3,349.29	1/4	2,991.00	1/4	2,631.56	1/4	2,271.71
1/2		1/2	4,364.46	1/2	4,186.43	1/2	3,997.98	1/2	3,804.44	1/2	3,610.88	1/2	3,341.83	1/2	2,983.52	1/2	2,624.06	1/2	2,264.22
3/4		3/4	4,360.88	3/4	4,182.61	3/4	3,993.95	3/4	3,800.41	3/4	3,606.85	3/4	3,334.37	3/4	2,976.04	3/4	2,616.57	3/4	2,256.72
5		5	4,357.30	5	4,178.79	5	3,989.93	5	3,796.37	5	3,602.82	5	3,326.90	5	2,968.56	5	2,609.07	5	2,249.22
1/4		1/4	4,353.69	1/4	4,174.95	1/4	3,985.90	1/4	3,792.34	1/4	3,598.79	1/4	3,319.45	1/4	2,961.07	1/4	2,601.58	1/4	2,241.72
1/2		1/2	4,350.09	1/2	4,171.12	1/2	3,981.86	1/2	3,788.31	1/2	3,594.75	1/2	3,312.01	1/2	2,953.59	1/2	2,594.08	1/2	2,234.23
3/4		3/4	4,346.48	3/4	4,167.28	3/4	3,977.83	3/4	3,784.28	3/4	3,590.72	3/4	3,304.56	3/4	2,946.11	3/4	2,586.58	3/4	2,226.73
6		6	4,342.88	6	4,163.45	6	3,973.80	6	3,780.24	6	3,586.69	6	3,297.11	6	2,938.62	6	2,579.09	6	2,219.23
1/4		1/4	4,339.25	1/4	4,159.60	1/4	3,969.77	1/4	3,776.21	1/4	3,582.66	1/4	3,289.66	1/4	2,931.14	1/4	2,571.59	1/4	2,211.74
1/2		1/2	4,335.63	1/2	4,155.75	1/2	3,965.73	1/2	3,772.18	1/2	3,578.62	1/2	3,282.21	1/2	2,923.66	1/2	2,564.09	1/2	2,204.24
3/4		3/4	4,332.01	3/4	4,151.90	3/4	3,961.70	3/4	3,768.15	3/4	3,574.59	3/4	3,274.76	3/4	2,916.18	3/4	2,556.59	3/4	2,196.74
7		7	4,328.39	7	4,148.05	7	3,957.67	7	3,764.11	7	3,570.56	7	3,267.31	7	2,908.69	7	2,549.10	7	2,189.25
1/4		1/4	4,324.75	1/4	4,144.16	1/4	3,953.64	1/4	3,760.08	1/4	3,566.53	1/4	3,259.87	1/4	2,901.21	1/4	2,541.60	1/4	2,181.75
1/2		1/2	4,321.11	1/2	4,140.28	1/2	3,949.60	1/2	3,756.05	1/2	3,562.49	1/2	3,252.42	1/2	2,893.73	1/2	2,534.10	1/2	2,174.25
3/4		3/4	4,317.48	3/4	4,136.40	3/4	3,945.57	3/4	3,752.02	3/4	3,558.46	3/4	3,244.97	3/4	2,886.25	3/4	2,526.61	3/4	2,166.76
8		8	4,313.84	8	4,132.52	8	3,941.54	8	3,747.98	8	3,554.43	8	3,237.52	8	2,878.76	8	2,519.11	8	2,159.26
1/4		1/4	4,310.19	1/4	4,128.62	1/4	3,937.51	1/4	3,743.95	1/4	3,550.40	1/4	3,230.07	1/4	2,871.28	1/4	2,511.61	1/4	2,151.76
1/2		1/2	4,306.53	1/2	4,124.72	1/2	3,933.48	1/2	3,739.92	1/2	3,546.36	1/2	3,222.62	1/2	2,863.80	1/2	2,504.12	1/2	2,144.27
3/4		3/4	4,302.88	3/4	4,120.83	3/4	3,929.44	3/4	3,735.89	3/4	3,542.33	3/4	3,215.18	3/4	2,856.32	3/4	2,496.62	3/4	2,136.77
9		9	4,299.22	9	4,116.93	9	3,925.41	9	3,731.86	9	3,538.30	9	3,207.73	9	2,848.83	9	2,489.12	9	2,129.27
1/4		1/4	4,295.52	1/4	4,113.02	1/4	3,921.38	1/4	3,727.82	1/4	3,534.27	1/4	3,200.28	1/4	2,841.35	1/4	2,481.63	1/4	2,121.77
1/2		1/2	4,291.81	1/2	4,109.10	1/2	3,917.35	1/2	3,723.79	1/2	3,530.23	1/2	3,192.83	1/2	2,833.87	1/2	2,474.13	1/2	2,114.28
3/4		3/4	4,288.10	3/4	4,105.19	3/4	3,913.31	3/4	3,719.76	3/4	3,526.20	3/4	3,185.38	3/4	2,826.38	3/4	2,466.63	3/4	2,106.78
10		10	4,284.39	10	4,101.28	10	3,909.28	10	3,715.73	10	3,522.17	10	3,177.93	10	2,818.90	10	2,459.13	10	2,099.28
1/4		1/4	4,280.67	1/4	4,097.35	1/4	3,905.25	1/4	3,711.69	1/4	3,518.14	1/4	3,170.49	1/4	2,811.42	1/4	2,451.64	1/4	2,091.79
1/2		1/2	4,276.94	1/2	4,093.42	1/2	3,901.22	1/2	3,707.66	1/2	3,514.11	1/2	3,163.04	1/2	2,803.94	1/2	2,444.14	1/2	2,084.29
3/4		3/4	4,273.22	3/4	4,089.49	3/4	3,897.18	3/4	3,703.63	3/4	3,510.07	3/4	3,155.59	3/4	2,796.45	3/4	2,436.64	3/4	2,076.79
11		11	4,269.50	11	4,085.56	11	3,893.15	11	3,699.60	11	3,506.04	11	3,148.14	11	2,788.97	11	2,429.15	11	2,069.30
1/4		1/4	4,265.76	1/4	4,081.62	1/4	3,889.12	1/4	3,695.56	1/4	3,498.58	1/4	3,140.66	1/4	2,781.47	1/4	2,421.65	1/4	2,061.80
1/2		1/2	4,262.02	1/2	4,077.67	1/2	3,885.09	1/2	3,691.53	1/2	3,491.11	1/2	3,133.18	1/2	2,773.98	1/2	2,414.15	1/2	2,054.30
3/4		3/4	4,258.28	3/4	4,073.73	3/4	3,881.05	3/4	3,687.50	3/4	3,483.65	3/4	3,125.69	3/4	2,766.48	3/4	2,406.66	3/4	2,046.81

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 306"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,039.31	0	1,679.38	0	1,319.44	0	959.82	0	599.96	0	240.04	0		0		0		0	
1/4	2,031.81	1/4	1,671.88	1/4	1,311.94	1/4	952.33	1/4	592.46	1/4	232.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,024.31	1/2	1,664.38	1/2	1,304.45	1/2	944.84	1/2	584.97	1/2	225.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,016.81	3/4	1,656.88	3/4	1,296.95	3/4	937.36	3/4	577.47	3/4	217.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,009.31	1	1,649.38	1	1,289.45	1	929.87	1	569.97	1	210.05	1	1	1	1	1	1	1	1
1/4	2,001.82	1/4	1,641.88	1/4	1,281.95	1/4	922.37	1/4	562.47	1/4	202.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,994.32	1/2	1,634.38	1/2	1,274.45	1/2	914.88	1/2	554.97	1/2	195.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,986.82	3/4	1,626.89	3/4	1,266.95	3/4	907.39	3/4	547.47	3/4	187.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,979.32	2	1,619.39	2	1,259.45	2	899.89	2	539.98	2	180.06	2	2	2	2	2	2	2	2
1/4	1,971.82	1/4	1,611.89	1/4	1,251.96	1/4	892.40	1/4	532.48	1/4	172.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,964.32	1/2	1,604.39	1/2	1,244.46	1/2	884.90	1/2	524.98	1/2	165.06	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,956.82	3/4	1,596.89	3/4	1,236.96	3/4	877.40	3/4	517.48	3/4	157.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,949.33	3	1,589.39	3	1,229.46	3	869.90	3	509.98	3	150.07	3	3	3	3	3	3	3	3
1/4	1,941.83	1/4	1,581.89	1/4	1,221.96	1/4	862.40	1/4	502.48	1/4	142.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,934.33	1/2	1,574.40	1/2	1,214.47	1/2	854.90	1/2	494.99	1/2	135.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,926.83	3/4	1,566.90	3/4	1,206.97	3/4	847.41	3/4	487.49	3/4	127.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,919.33	4	1,559.40	4	1,199.48	4	839.91	4	479.99	4	120.12	4	4	4	4	4	4	4	4
1/4	1,911.83	1/4	1,551.90	1/4	1,191.99	1/4	832.41	1/4	472.49	1/4	112.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,904.33	1/2	1,544.40	1/2	1,184.50	1/2	824.91	1/2	464.99	1/2	105.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,896.84	3/4	1,536.90	3/4	1,177.01	3/4	817.41	3/4	457.49	3/4	97.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,889.34	5	1,529.40	5	1,169.52	5	809.91	5	450.00	5	90.27	5	5	5	5	5	5	5	5
1/4	1,881.84	1/4	1,521.91	1/4	1,162.03	1/4	802.42	1/4	442.50	1/4	83.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,874.34	1/2	1,514.41	1/2	1,154.54	1/2	794.92	1/2	435.00	1/2	76.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,866.84	3/4	1,506.91	3/4	1,147.05	3/4	787.42	3/4	427.50	3/4	69.65	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,859.34	6	1,499.41	6	1,139.56	6	779.92	6	420.00	6	62.78	6	6	6	6	6	6	6	6
1/4	1,851.84	1/4	1,491.91	1/4	1,132.07	1/4	772.42	1/4	412.50	1/4	57.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,844.34	1/2	1,484.41	1/2	1,124.59	1/2	764.92	1/2	405.01	1/2	51.53	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,836.85	3/4	1,476.91	3/4	1,117.10	3/4	757.43	3/4	397.51	3/4	45.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,829.35	7	1,469.41	7	1,109.61	7	749.93	7	390.01	7	40.29	7	7	7	7	7	7	7	7
1/4	1,821.85	1/4	1,461.92	1/4	1,102.12	1/4	742.43	1/4	382.51	1/4	35.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,814.35	1/2	1,454.42	1/2	1,094.63	1/2	734.93	1/2	375.01	1/2	31.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,806.85	3/4	1,446.92	3/4	1,087.14	3/4	727.43	3/4	367.51	3/4	27.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,799.35	8	1,439.42	8	1,079.65	8	719.93	8	360.02	8	22.80	8	8	8	8	8	8	8	8
1/4	1,791.85	1/4	1,431.92	1/4	1,072.16	1/4	712.44	1/4	352.52	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,784.36	1/2	1,424.42	1/2	1,064.67	1/2	704.94	1/2	345.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,776.86	3/4	1,416.92	3/4	1,057.18	3/4	697.44	3/4	337.52	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,769.36	9	1,409.43	9	1,049.69	9	689.94	9	330.02	9		9	9	9	9	9	9	9	9
1/4	1,761.86	1/4	1,401.93	1/4	1,042.20	1/4	682.44	1/4	322.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,754.36	1/2	1,394.43	1/2	1,034.72	1/2	674.95	1/2	315.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,746.86	3/4	1,386.93	3/4	1,027.23	3/4	667.45	3/4	307.53	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,739.36	10	1,379.43	10	1,019.74	10	659.95	10	300.03	10		10	10	10	10	10	10	10	10
1/4	1,731.87	1/4	1,371.93	1/4	1,012.25	1/4	652.45	1/4	292.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,724.37	1/2	1,364.43	1/2	1,004.76	1/2	644.95	1/2	285.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,716.87	3/4	1,356.94	3/4	997.27	3/4	637.45	3/4	277.54	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,709.37	11	1,349.44	11	989.78	11	629.96	11	270.04	11		11	11	11	11	11	11	11	11
1/4	1,701.87	1/4	1,341.94	1/4	982.29	1/4	622.46	1/4	262.54	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,694.37	1/2	1,334.44	1/2	974.80	1/2	614.96	1/2	255.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,686.87	3/4	1,326.94	3/4	967.31	3/4	607.46	3/4	247.54	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: 04/24/2013 CL - SW  
CALCULATED: 04/24/2013 CL  
PRINTED: 04/24/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2013

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



# BARGE "HBC 306"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
		1/4	4,381.53	1/4	4,227.34	1/4	4,043.26	1/4	3,851.17	1/4	3,658.29	1/4	3,451.68	1/4	3,094.38	1/4	2,736.00	1/4	2,376.86		
		1/2	4,380.68	1/2	4,223.60	1/2	4,039.31	1/2	3,847.15	1/2	3,654.27	1/2	3,444.23	1/2	3,086.91	1/2	2,728.52	1/2	2,369.37		
		3/4	4,379.82	3/4	4,219.86	3/4	4,035.36	3/4	3,843.14	3/4	3,650.25	3/4	3,436.78	3/4	3,079.44	3/4	2,721.04	3/4	2,361.89		
1	1		4,378.97	1	4,216.12	1	4,031.42	1	3,839.12	1	3,646.23	1	3,429.33	1	3,071.97	1	2,713.56	1	2,354.41		
		1/4	4,378.11	1/4	4,212.38	1/4	4,027.47	1/4	3,835.10	1/4	3,642.22	1/4	3,421.88	1/4	3,064.50	1/4	2,706.08	1/4	2,346.92		
		1/2	4,376.02	1/2	4,208.62	1/2	4,023.51	1/2	3,831.08	1/2	3,638.20	1/2	3,414.43	1/2	3,057.04	1/2	2,698.60	1/2	2,339.44		
		3/4	4,373.93	3/4	4,204.86	3/4	4,019.55	3/4	3,827.06	3/4	3,634.18	3/4	3,406.98	3/4	3,049.58	3/4	2,691.12	3/4	2,331.96		
2	2		4,371.84	2	4,201.10	2	4,015.58	2	3,823.04	2	3,630.16	2	3,399.53	2	3,042.12	2	2,683.63	2	2,324.48		
		1/4	4,369.74	1/4	4,197.35	1/4	4,011.62	1/4	3,819.02	1/4	3,626.14	1/4	3,392.08	1/4	3,034.66	1/4	2,676.15	1/4	2,316.99		
		1/2	4,366.83	1/2	4,193.57	1/2	4,007.64	1/2	3,815.01	1/2	3,622.12	1/2	3,384.63	1/2	3,027.20	1/2	2,668.67	1/2	2,309.51		
		3/4	4,363.91	3/4	4,189.80	3/4	4,003.66	3/4	3,810.99	3/4	3,618.10	3/4	3,377.18	3/4	3,019.73	3/4	2,661.19	3/4	2,302.03		
3	3		4,360.99	3	4,186.03	3	3,999.68	3	3,806.97	3	3,614.09	3	3,369.73	3	3,012.27	3	2,653.71	3	2,294.54		
		1/4	4,358.07	1/4	4,182.25	1/4	3,995.71	1/4	3,802.95	1/4	3,610.07	1/4	3,362.28	1/4	3,004.81	1/4	2,646.23	1/4	2,287.06		
		1/2	4,354.55	1/2	4,178.46	1/2	3,991.71	1/2	3,798.93	1/2	3,606.05	1/2	3,354.83	1/2	2,997.35	1/2	2,638.75	1/2	2,279.58		
		3/4	4,351.02	3/4	4,174.67	3/4	3,987.72	3/4	3,794.91	3/4	3,602.03	3/4	3,347.38	3/4	2,989.89	3/4	2,631.27	3/4	2,272.10		
4	4		4,347.50	4	4,170.88	4	3,983.72	4	3,790.90	4	3,598.01	4	3,339.93	4	2,982.43	4	2,623.78	4	2,264.61		
		1/4	4,343.97	1/4	4,167.10	1/4	3,979.73	1/4	3,786.88	1/4	3,593.99	1/4	3,332.48	1/4	2,974.97	1/4	2,616.30	1/4	2,257.13		
		1/2	4,340.41	1/2	4,163.29	1/2	3,975.72	1/2	3,782.86	1/2	3,589.98	1/2	3,325.03	1/2	2,967.51	1/2	2,608.82	1/2	2,249.65		
		3/4	4,336.84	3/4	4,159.49	3/4	3,971.71	3/4	3,778.84	3/4	3,585.96	3/4	3,317.58	3/4	2,960.05	3/4	2,601.34	3/4	2,242.16		
5	5		4,333.27	5	4,155.68	5	3,967.70	5	3,774.82	5	3,581.94	5	3,310.13	5	2,952.58	5	2,593.86	5	2,234.68		
		1/4	4,329.71	1/4	4,151.87	1/4	3,963.69	1/4	3,770.80	1/4	3,577.92	1/4	3,302.68	1/4	2,945.12	1/4	2,586.38	1/4	2,227.20		
		1/2	4,326.12	1/2	4,148.05	1/2	3,959.67	1/2	3,766.79	1/2	3,573.90	1/2	3,295.24	1/2	2,937.66	1/2	2,578.89	1/2	2,219.72		
		3/4	4,322.53	3/4	4,144.23	3/4	3,955.65	3/4	3,762.77	3/4	3,569.88	3/4	3,287.81	3/4	2,930.20	3/4	2,571.41	3/4	2,212.23		
6	6		4,318.94	6	4,140.41	6	3,951.63	6	3,758.75	6	3,565.87	6	3,280.38	6	2,922.74	6	2,563.93	6	2,204.75		
		1/4	4,315.35	1/4	4,136.59	1/4	3,947.61	1/4	3,754.73	1/4	3,561.85	1/4	3,272.94	1/4	2,915.28	1/4	2,556.45	1/4	2,197.27		
		1/2	4,311.74	1/2	4,132.75	1/2	3,943.60	1/2	3,750.71	1/2	3,557.83	1/2	3,265.51	1/2	2,907.82	1/2	2,548.96	1/2	2,189.78		
		3/4	4,308.13	3/4	4,128.92	3/4	3,939.58	3/4	3,746.69	3/4	3,553.81	3/4	3,258.07	3/4	2,900.36	3/4	2,541.48	3/4	2,182.30		
7	7		4,304.52	7	4,125.08	7	3,935.56	7	3,742.68	7	3,549.79	7	3,250.64	7	2,892.90	7	2,534.00	7	2,174.82		
		1/4	4,300.91	1/4	4,121.24	1/4	3,931.54	1/4	3,738.66	1/4	3,545.77	1/4	3,243.20	1/4	2,885.43	1/4	2,526.51	1/4	2,167.33		
		1/2	4,297.29	1/2	4,117.38	1/2	3,927.52	1/2	3,734.64	1/2	3,541.76	1/2	3,235.77	1/2	2,877.97	1/2	2,519.03	1/2	2,159.85		
		3/4	4,293.67	3/4	4,113.51	3/4	3,923.50	3/4	3,730.62	3/4	3,537.74	3/4	3,228.33	3/4	2,870.50	3/4	2,511.55	3/4	2,152.37		
8	8		4,290.04	8	4,109.64	8	3,919.48	8	3,726.60	8	3,533.72	8	3,220.90	8	2,863.03	8	2,504.07	8	2,144.89		
		1/4	4,286.42	1/4	4,105.77	1/4	3,915.47	1/4	3,722.58	1/4	3,529.70	1/4	3,213.47	1/4	2,855.56	1/4	2,496.58	1/4	2,137.40		
		1/2	4,282.78	1/2	4,101.89	1/2	3,911.45	1/2	3,718.56	1/2	3,525.68	1/2	3,206.03	1/2	2,848.09	1/2	2,489.10	1/2	2,129.92		
		3/4	4,279.14	3/4	4,098.01	3/4	3,907.43	3/4	3,714.55	3/4	3,521.66	3/4	3,198.60	3/4	2,840.62	3/4	2,481.62	3/4	2,122.44		
9	9		4,275.50	9	4,094.12	9	3,903.41	9	3,710.53	9	3,517.64	9	3,191.16	9	2,833.15	9	2,474.13	9	2,114.95		
		1/4	4,271.86	1/4	4,090.24	1/4	3,899.39	1/4	3,706.51	1/4	3,513.63	1/4	3,183.73	1/4	2,825.68	1/4	2,466.65	1/4	2,107.47		
		1/2	4,268.17	1/2	4,086.34	1/2	3,895.37	1/2	3,702.49	1/2	3,509.61	1/2	3,176.29	1/2	2,818.22	1/2	2,459.17	1/2	2,099.99		
		3/4	4,264.47	3/4	4,082.44	3/4	3,891.36	3/4	3,698.47	3/4	3,505.59	3/4	3,168.86	3/4	2,810.75	3/4	2,451.69	3/4	2,092.51		
10	10		4,260.78	10	4,078.54	10	3,887.34	10	3,694.45	10	3,501.57	10	3,161.42	10	2,803.28	10	2,444.20	10	2,085.02		
		1/4	4,257.09	1/4	4,074.64	1/4	3,883.32	1/4	3,690.44	1/4	3,497.55	1/4	3,153.99	1/4	2,795.81	1/4	2,436.72	1/4	2,077.54		
		1/2	4,253.38	1/2	4,070.73	1/2	3,879.30	1/2	3,686.42	1/2	3,493.53	1/2	3,146.55	1/2	2,788.34	1/2	2,429.24	1/2	2,070.06		
		3/4	4,249.67	3/4	4,066.81	3/4	3,875.28	3/4	3,682.40	3/4	3,489.52	3/4	3,139.12	3/4	2,780.87	3/4	2,421.75	3/4	2,062.57		
11	11		4,245.96	11	4,062.90	11	3,871.26	11	3,678.38	11	3,485.50	11	3,131.69	11	2,773.40	11	2,414.27	11	2,055.09		
		1/4	4,242.25	1/4	4,058.98	1/4	3,867.25	1/4	3,674.36	1/4	3,481.48	1/4	3,124.25	1/4	2,765.94	1/4	2,406.79	1/4	2,047.61		
		1/2	4,238.52	1/2	4,055.05	1/2	3,863.23	1/2	3,670.34	1/2	3,474.03	1/2	3,116.78	1/2	2,758.45	1/2	2,399.30	1/2	2,040.13		
		3/4	4,234.79	3/4	4,051.12	3/4	3,859.21	3/4	3,666.33	3/4	3,466.58	3/4	3,109.31	3/4	2,750.97	3/4	2,391.82	3/4	2,032.64		

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 306"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,025.16		1,665.90		1,308.06		959.26		606.55		247.19								
1/4	2,017.68	1/4	1,658.42	1/4	1,300.64	1/4	952.11	1/4	599.07	1/4	239.71	1/4		1/4		1/4		1/4	
1/2	2,010.19	1/2	1,650.93	1/2	1,293.21	1/2	944.96	1/2	591.58	1/2	232.22	1/2		1/2		1/2		1/2	
3/4	2,002.71	3/4	1,643.45	3/4	1,285.79	3/4	937.81	3/4	584.09	3/4	224.73	3/4		3/4		3/4		3/4	
1	1,995.22	1	1,635.96	1	1,278.37	1	930.66	1	576.61	1	217.25	1		1		1		1	
1/4	1,987.74	1/4	1,628.48	1/4	1,270.94	1/4	923.51	1/4	569.12	1/4	209.76	1/4		1/4		1/4		1/4	
1/2	1,980.25	1/2	1,620.99	1/2	1,263.52	1/2	916.36	1/2	561.63	1/2	202.27	1/2		1/2		1/2		1/2	
3/4	1,972.77	3/4	1,613.51	3/4	1,256.10	3/4	909.21	3/4	554.15	3/4	194.79	3/4		3/4		3/4		3/4	
2	1,965.28	2	1,606.02	2	1,248.68	2	902.05	2	546.66	2	187.30	2		2		2		2	
1/4	1,957.80	1/4	1,598.54	1/4	1,241.25	1/4	894.90	1/4	539.17	1/4	179.81	1/4		1/4		1/4		1/4	
1/2	1,950.32	1/2	1,591.05	1/2	1,233.85	1/2	887.73	1/2	531.69	1/2	172.33	1/2		1/2		1/2		1/2	
3/4	1,942.83	3/4	1,583.57	3/4	1,226.44	3/4	880.55	3/4	524.20	3/4	164.84	3/4		3/4		3/4		3/4	
3	1,935.35	3	1,576.09	3	1,219.03	3	873.38	3	516.71	3	157.36	3		3		3		3	
1/4	1,927.86	1/4	1,568.60	1/4	1,211.63	1/4	866.20	1/4	509.23	1/4	149.87	1/4		1/4		1/4		1/4	
1/2	1,920.38	1/2	1,561.12	1/2	1,204.22	1/2	859.03	1/2	501.74	1/2	142.39	1/2		1/2		1/2		1/2	
3/4	1,912.89	3/4	1,553.63	3/4	1,196.82	3/4	851.85	3/4	494.25	3/4	134.91	3/4		3/4		3/4		3/4	
4	1,905.41	4	1,546.15	4	1,189.42	4	844.68	4	486.77	4	127.42	4		4		4		4	
1/4	1,897.92	1/4	1,538.66	1/4	1,182.01	1/4	837.51	1/4	479.28	1/4	119.94	1/4		1/4		1/4		1/4	
1/2	1,890.44	1/2	1,531.18	1/2	1,174.58	1/2	830.30	1/2	471.79	1/2	112.49	1/2		1/2		1/2		1/2	
3/4	1,882.95	3/4	1,523.69	3/4	1,167.15	3/4	823.10	3/4	464.31	3/4	105.04	3/4		3/4		3/4		3/4	
5	1,875.47	5	1,516.21	5	1,159.71	5	815.90	5	456.82	5	97.59	5		5		5		5	
1/4	1,867.98	1/4	1,508.72	1/4	1,152.28	1/4	808.70	1/4	449.33	1/4	90.13	1/4		1/4		1/4		1/4	
1/2	1,860.50	1/2	1,501.24	1/2	1,145.13	1/2	801.21	1/2	441.85	1/2	83.28	1/2		1/2		1/2		1/2	
3/4	1,853.02	3/4	1,493.75	3/4	1,137.98	3/4	793.72	3/4	434.36	3/4	76.44	3/4		3/4		3/4		3/4	
6	1,845.53	6	1,486.27	6	1,130.83	6	786.24	6	426.87	6	69.59	6		6		6		6	
1/4	1,838.05	1/4	1,478.79	1/4	1,123.69	1/4	778.75	1/4	419.39	1/4	62.74	1/4		1/4		1/4		1/4	
1/2	1,830.56	1/2	1,471.36	1/2	1,116.54	1/2	771.26	1/2	411.90	1/2	57.12	1/2		1/2		1/2		1/2	
3/4	1,823.08	3/4	1,463.94	3/4	1,109.39	3/4	763.78	3/4	404.41	3/4	51.51	3/4		3/4		3/4		3/4	
7	1,815.59	7	1,456.52	7	1,102.24	7	756.29	7	396.93	7	45.90	7		7		7		7	
1/4	1,808.11	1/4	1,449.09	1/4	1,095.09	1/4	748.80	1/4	389.44	1/4	40.29	1/4		1/4		1/4		1/4	
1/2	1,800.62	1/2	1,441.67	1/2	1,087.94	1/2	741.31	1/2	381.95	1/2	35.92	1/2		1/2		1/2		1/2	
3/4	1,793.14	3/4	1,434.25	3/4	1,080.79	3/4	733.83	3/4	374.47	3/4	31.54	3/4		3/4		3/4		3/4	
8	1,785.65	8	1,426.83	8	1,073.64	8	726.34	8	366.98	8	27.17	8		8		8		8	
1/4	1,778.17	1/4	1,419.40	1/4	1,066.49	1/4	718.85	1/4	359.49	1/4	22.80	1/4		1/4		1/4		1/4	
1/2	1,770.69	1/2	1,411.98	1/2	1,059.34	1/2	711.37	1/2	352.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,763.20	3/4	1,404.56	3/4	1,052.19	3/4	703.88	3/4	344.52	3/4		3/4		3/4		3/4		3/4	
9	1,755.72	9	1,397.13	9	1,045.05	9	696.39	9	337.03	9		9		9		9		9	
1/4	1,748.23	1/4	1,389.71	1/4	1,037.90	1/4	688.91	1/4	329.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,740.75	1/2	1,382.29	1/2	1,030.75	1/2	681.42	1/2	322.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,733.26	3/4	1,374.87	3/4	1,023.60	3/4	673.93	3/4	314.57	3/4		3/4		3/4		3/4		3/4	
10	1,725.78	10	1,367.44	10	1,016.45	10	666.45	10	307.09	10		10		10		10		10	
1/4	1,718.29	1/4	1,360.02	1/4	1,009.30	1/4	658.96	1/4	299.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,710.81	1/2	1,352.60	1/2	1,002.15	1/2	651.47	1/2	292.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,703.32	3/4	1,345.17	3/4	995.00	3/4	643.99	3/4	284.63	3/4		3/4		3/4		3/4		3/4	
11	1,695.84	11	1,337.75	11	987.85	11	636.50	11	277.14	11		11		11		11		11	
1/4	1,688.35	1/4	1,330.33	1/4	980.70	1/4	629.01	1/4	269.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,680.87	1/2	1,322.90	1/2	973.55	1/2	621.53	1/2	262.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,673.39	3/4	1,315.48	3/4	966.41	3/4	614.04	3/4	254.68	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/24/2013 CL - SW  
CALCULATED: 04/24/2013 CL  
PRINTED: 04/24/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2013

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