



BARGE "HBC 305"

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 25, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 305"

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
			4,949.86		4,604.78		4,244.14		3,881.70		3,519.26		3,156.82		2,794.37		2,431.86		
1/4	1/4	1/4	4,942.86	1/4	4,597.39	1/4	4,236.59	1/4	3,874.15	1/4	3,511.71	1/4	3,149.26	1/4	2,786.82	1/4	2,424.30		
1/2	1/2	1/2	5,245.41	1/2	4,935.86	1/2	4,590.00	1/2	4,229.04	1/2	3,866.60	1/2	3,504.16	1/2	3,141.71	1/2	2,779.27	1/2	2,416.75
3/4	3/4	3/4	5,241.08	3/4	4,928.83	3/4	4,582.59	3/4	4,221.49	3/4	3,859.05	3/4	3,496.61	3/4	3,134.16	3/4	2,771.72	3/4	2,409.19
1	1	1	5,236.74	1	4,921.81	1	4,575.17	1	4,213.94	1	3,851.50	1	3,489.05	1	3,126.61	1	2,764.17	1	2,401.64
1/4	1/4	1/4	5,232.41	1/4	4,914.78	1/4	4,567.75	1/4	4,206.39	1/4	3,843.95	1/4	3,481.50	1/4	3,119.06	1/4	2,756.62	1/4	2,394.09
1/2	1/2	1/2	5,228.08	1/2	4,907.75	1/2	4,560.34	1/2	4,198.84	1/2	3,836.40	1/2	3,473.95	1/2	3,111.51	1/2	2,749.07	1/2	2,386.53
3/4	3/4	3/4	5,222.51	3/4	4,900.69	3/4	4,552.89	3/4	4,191.29	3/4	3,828.85	3/4	3,466.40	3/4	3,103.96	3/4	2,741.52	3/4	2,378.98
2	2	2	5,216.95	2	4,893.63	2	4,545.44	2	4,183.74	2	3,821.29	2	3,458.85	2	3,096.41	2	2,733.96	2	2,371.43
1/4	1/4	1/4	5,211.39	1/4	4,886.57	1/4	4,538.00	1/4	4,176.19	1/4	3,813.74	1/4	3,451.30	1/4	3,088.86	1/4	2,726.41	1/4	2,363.87
1/2	1/2	1/2	5,205.82	1/2	4,879.51	1/2	4,530.55	1/2	4,168.64	1/2	3,806.19	1/2	3,443.75	1/2	3,081.31	1/2	2,718.86	1/2	2,356.32
3/4	3/4	3/4	5,199.79	3/4	4,872.42	3/4	4,523.07	3/4	4,161.08	3/4	3,798.64	3/4	3,436.20	3/4	3,073.76	3/4	2,711.31	3/4	2,348.77
3	3	3	5,193.76	3	4,865.33	3	4,515.60	3	4,153.53	3	3,791.09	3	3,428.65	3	3,066.20	3	2,703.76	3	2,341.21
1/4	1/4	1/4	5,187.73	1/4	4,858.25	1/4	4,508.12	1/4	4,145.98	1/4	3,783.54	1/4	3,421.10	1/4	3,058.65	1/4	2,696.21	1/4	2,333.66
1/2	1/2	1/2	5,181.70	1/2	4,851.16	1/2	4,500.64	1/2	4,138.43	1/2	3,775.99	1/2	3,413.55	1/2	3,051.10	1/2	2,688.66	1/2	2,326.10
3/4	3/4	3/4	5,175.05	3/4	4,844.04	3/4	4,493.14	3/4	4,130.88	3/4	3,768.44	3/4	3,405.99	3/4	3,043.55	3/4	2,681.11	3/4	2,318.55
4	4	4	5,168.39	4	4,836.92	4	4,485.63	4	4,123.33	4	3,760.89	4	3,398.44	4	3,036.00	4	2,673.56	4	2,311.00
1/4	1/4	1/4	5,161.74	1/4	4,829.80	1/4	4,478.13	1/4	4,115.78	1/4	3,753.34	1/4	3,390.89	1/4	3,028.45	1/4	2,666.01	1/4	2,303.44
1/2	1/2	1/2	5,155.08	1/2	4,822.68	1/2	4,470.62	1/2	4,108.23	1/2	3,745.79	1/2	3,383.34	1/2	3,020.90	1/2	2,658.46	1/2	2,295.89
3/4	3/4	3/4	5,148.37	3/4	4,815.53	3/4	4,463.08	3/4	4,100.68	3/4	3,738.23	3/4	3,375.79	3/4	3,013.35	3/4	2,650.90	3/4	2,288.34
5	5	5	5,141.66	5	4,808.38	5	4,455.54	5	4,093.13	5	3,730.68	5	3,368.24	5	3,005.80	5	2,643.35	5	2,280.78
1/4	1/4	1/4	5,134.95	1/4	4,801.24	1/4	4,448.01	1/4	4,085.58	1/4	3,723.13	1/4	3,360.69	1/4	2,998.25	1/4	2,635.80	1/4	2,273.23
1/2	1/2	1/2	5,128.24	1/2	4,794.09	1/2	4,440.47	1/2	4,078.02	1/2	3,715.58	1/2	3,353.14	1/2	2,990.70	1/2	2,628.25	1/2	2,265.67
3/4	3/4	3/4	5,121.49	3/4	4,786.91	3/4	4,432.92	3/4	4,070.47	3/4	3,708.03	3/4	3,345.59	3/4	2,983.14	3/4	2,620.70	3/4	2,258.12
6	6	6	5,114.74	6	4,779.73	6	4,425.37	6	4,062.92	6	3,700.48	6	3,338.04	6	2,975.59	6	2,613.14	6	2,250.57
1/4	1/4	1/4	5,107.99	1/4	4,772.55	1/4	4,417.82	1/4	4,055.37	1/4	3,692.93	1/4	3,330.49	1/4	2,968.04	1/4	2,605.59	1/4	2,243.01
1/2	1/2	1/2	5,101.24	1/2	4,765.37	1/2	4,410.26	1/2	4,047.82	1/2	3,685.38	1/2	3,322.93	1/2	2,960.49	1/2	2,598.04	1/2	2,235.46
3/4	3/4	3/4	5,094.46	3/4	4,758.17	3/4	4,402.71	3/4	4,040.27	3/4	3,677.83	3/4	3,315.38	3/4	2,952.94	3/4	2,590.48	3/4	2,227.91
7	7	7	5,087.68	7	4,750.96	7	4,395.16	7	4,032.72	7	3,670.28	7	3,307.83	7	2,945.39	7	2,582.93	7	2,220.35
1/4	1/4	1/4	5,080.90	1/4	4,743.75	1/4	4,387.61	1/4	4,025.17	1/4	3,662.73	1/4	3,300.28	1/4	2,937.84	1/4	2,575.38	1/4	2,212.80
1/2	1/2	1/2	5,074.12	1/2	4,736.54	1/2	4,380.06	1/2	4,017.62	1/2	3,655.17	1/2	3,292.73	1/2	2,930.29	1/2	2,567.82	1/2	2,205.24
3/4	3/4	3/4	5,067.31	3/4	4,729.27	3/4	4,372.51	3/4	4,010.07	3/4	3,647.62	3/4	3,285.18	3/4	2,922.74	3/4	2,560.27	3/4	2,197.69
8	8	8	5,060.50	8	4,722.01	8	4,364.96	8	4,002.52	8	3,640.07	8	3,277.63	8	2,915.19	8	2,552.72	8	2,190.14
1/4	1/4	1/4	5,053.69	1/4	4,714.74	1/4	4,357.41	1/4	3,994.97	1/4	3,632.52	1/4	3,270.08	1/4	2,907.64	1/4	2,545.16	1/4	2,182.58
1/2	1/2	1/2	5,046.88	1/2	4,707.47	1/2	4,349.86	1/2	3,987.41	1/2	3,624.97	1/2	3,262.53	1/2	2,900.08	1/2	2,537.61	1/2	2,175.03
3/4	3/4	3/4	5,040.04	3/4	4,700.17	3/4	4,342.31	3/4	3,979.86	3/4	3,617.42	3/4	3,254.98	3/4	2,892.53	3/4	2,530.05	3/4	2,167.48
9	9	9	5,033.20	9	4,692.88	9	4,334.76	9	3,972.31	9	3,609.87	9	3,247.43	9	2,884.98	9	2,522.50	9	2,159.92
1/4	1/4	1/4	5,026.36	1/4	4,685.58	1/4	4,327.20	1/4	3,964.76	1/4	3,602.32	1/4	3,239.88	1/4	2,877.43	1/4	2,514.95	1/4	2,152.37
1/2	1/2	1/2	5,019.52	1/2	4,678.28	1/2	4,319.65	1/2	3,957.21	1/2	3,594.77	1/2	3,232.32	1/2	2,869.88	1/2	2,507.39	1/2	2,144.82
3/4	3/4	3/4	5,012.57	3/4	4,670.96	3/4	4,312.10	3/4	3,949.66	3/4	3,587.22	3/4	3,224.77	3/4	2,862.33	3/4	2,499.84	3/4	2,137.26
10	10	10	5,005.63	10	4,663.63	10	4,304.55	10	3,942.11	10	3,579.67	10	3,217.22	10	2,854.78	10	2,492.29	10	2,129.71
1/4	1/4	1/4	4,998.69	1/4	4,656.30	1/4	4,297.00	1/4	3,934.56	1/4	3,572.11	1/4	3,209.67	1/4	2,847.23	1/4	2,484.73	1/4	2,122.15
1/2	1/2	1/2	4,991.75	1/2	4,648.98	1/2	4,289.45	1/2	3,927.01	1/2	3,564.56	1/2	3,202.12	1/2	2,839.68	1/2	2,477.18	1/2	2,114.60
3/4	3/4	3/4	4,984.78	3/4	4,641.62	3/4	4,281.90	3/4	3,919.46	3/4	3,557.01	3/4	3,194.57	3/4	2,832.13	3/4	2,469.62	3/4	2,107.05
11	11	11	4,977.80	11	4,634.26	11	4,274.35	11	3,911.91	11	3,549.46	11	3,187.02	11	2,824.58	11	2,462.07	11	2,099.49
1/4	1/4	1/4	4,970.83	1/4	4,626.91	1/4	4,266.80	1/4	3,904.35	1/4	3,541.91	1/4	3,179.47	1/4	2,817.02	1/4	2,454.52	1/4	2,091.94
1/2	1/2	1/2	4,963.86	1/2	4,619.55	1/2	4,259.25	1/2	3,896.80	1/2	3,534.36	1/2	3,171.92	1/2	2,809.47	1/2	2,446.96	1/2	2,084.39
3/4	3/4	3/4	4,956.86	3/4	4,612.16	3/4	4,251.70	3/4	3,889.25	3/4	3,526.81	3/4	3,164.37	3/4	2,801.92	3/4	2,439.41	3/4	2,076.83

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.
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BARGE "HBC 305"

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	2,069.28	0	1,706.70	0	1,344.12	0	981.96	0	619.47	0	256.91	0		0		0		0	
1/4	2,061.72	1/4	1,699.15	1/4	1,336.57	1/4	974.42	1/4	611.92	1/4	249.36	1/4		1/4		1/4		1/4	
1/2	2,054.17	1/2	1,691.59	1/2	1,329.02	1/2	966.88	1/2	604.37	1/2	241.80	1/2		1/2		1/2		1/2	
3/4	2,046.62	3/4	1,684.04	3/4	1,321.46	3/4	959.34	3/4	596.81	3/4	234.25	3/4		3/4		3/4		3/4	
1	2,039.06	1	1,676.49	1	1,313.91	1	951.80	1	589.26	1	226.70	1		1		1		1	
1/4	2,031.51	1/4	1,668.93	1/4	1,306.35	1/4	944.26	1/4	581.71	1/4	219.14	1/4		1/4		1/4		1/4	
1/2	2,023.96	1/2	1,661.38	1/2	1,298.80	1/2	936.72	1/2	574.15	1/2	211.59	1/2		1/2		1/2		1/2	
3/4	2,016.40	3/4	1,653.82	3/4	1,291.25	3/4	929.16	3/4	566.60	3/4	204.04	3/4		3/4		3/4		3/4	
2	2,008.85	2	1,646.27	2	1,283.69	2	921.61	2	559.05	2	196.48	2		2		2		2	
1/4	2,001.30	1/4	1,638.72	1/4	1,276.14	1/4	914.06	1/4	551.49	1/4	188.93	1/4		1/4		1/4		1/4	
1/2	1,993.74	1/2	1,631.16	1/2	1,268.59	1/2	906.50	1/2	543.94	1/2	181.38	1/2		1/2		1/2		1/2	
3/4	1,986.19	3/4	1,623.61	3/4	1,261.03	3/4	898.95	3/4	536.39	3/4	173.82	3/4		3/4		3/4		3/4	
3	1,978.63	3	1,616.06	3	1,253.48	3	891.39	3	528.83	3	166.27	3		3		3		3	
1/4	1,971.08	1/4	1,608.50	1/4	1,245.93	1/4	883.84	1/4	521.28	1/4	158.72	1/4		1/4		1/4		1/4	
1/2	1,963.53	1/2	1,600.95	1/2	1,238.37	1/2	876.29	1/2	513.72	1/2	151.17	1/2		1/2		1/2		1/2	
3/4	1,955.97	3/4	1,593.40	3/4	1,230.83	3/4	868.73	3/4	506.17	3/4	143.62	3/4		3/4		3/4		3/4	
4	1,948.42	4	1,585.84	4	1,223.29	4	861.18	4	498.62	4	136.08	4		4		4		4	
1/4	1,940.87	1/4	1,578.29	1/4	1,215.75	1/4	853.63	1/4	491.06	1/4	128.54	1/4		1/4		1/4		1/4	
1/2	1,933.31	1/2	1,570.73	1/2	1,208.21	1/2	846.07	1/2	483.51	1/2	120.99	1/2		1/2		1/2		1/2	
3/4	1,925.76	3/4	1,563.18	3/4	1,200.66	3/4	838.52	3/4	475.96	3/4	113.48	3/4		3/4		3/4		3/4	
5	1,918.20	5	1,555.63	5	1,193.12	5	830.97	5	468.40	5	105.96	5		5		5		5	
1/4	1,910.65	1/4	1,548.07	1/4	1,185.58	1/4	823.41	1/4	460.85	1/4	98.44	1/4		1/4		1/4		1/4	
1/2	1,903.10	1/2	1,540.52	1/2	1,178.04	1/2	815.86	1/2	453.30	1/2	90.92	1/2		1/2		1/2		1/2	
3/4	1,895.54	3/4	1,532.97	3/4	1,170.50	3/4	808.31	3/4	445.74	3/4	84.00	3/4		3/4		3/4		3/4	
6	1,887.99	6	1,525.41	6	1,162.96	6	800.75	6	438.19	6	77.08	6		6		6		6	
1/4	1,880.44	1/4	1,517.86	1/4	1,155.42	1/4	793.20	1/4	430.64	1/4	70.16	1/4		1/4		1/4		1/4	
1/2	1,872.88	1/2	1,510.30	1/2	1,147.87	1/2	785.65	1/2	423.08	1/2	63.24	1/2		1/2		1/2		1/2	
3/4	1,865.33	3/4	1,502.75	3/4	1,140.33	3/4	778.09	3/4	415.53	3/4	57.57	3/4		3/4		3/4		3/4	
7	1,857.77	7	1,495.20	7	1,132.79	7	770.54	7	407.98	7	51.91	7		7		7		7	
1/4	1,850.22	1/4	1,487.64	1/4	1,125.25	1/4	762.99	1/4	400.42	1/4	46.24	1/4		1/4		1/4		1/4	
1/2	1,842.67	1/2	1,480.09	1/2	1,117.71	1/2	755.43	1/2	392.87	1/2	40.58	1/2		1/2		1/2		1/2	
3/4	1,835.11	3/4	1,472.54	3/4	1,110.17	3/4	747.88	3/4	385.32	3/4	36.17	3/4		3/4		3/4		3/4	
8	1,827.56	8	1,464.98	8	1,102.63	8	740.33	8	377.76	8	31.77	8		8		8		8	
1/4	1,820.01	1/4	1,457.43	1/4	1,095.08	1/4	732.77	1/4	370.21	1/4	27.36	1/4		1/4		1/4		1/4	
1/2	1,812.45	1/2	1,449.87	1/2	1,087.54	1/2	725.22	1/2	362.66	1/2	22.96	1/2		1/2		1/2		1/2	
3/4	1,804.90	3/4	1,442.32	3/4	1,080.00	3/4	717.67	3/4	355.10	3/4		3/4		3/4		3/4		3/4	
9	1,797.35	9	1,434.77	9	1,072.46	9	710.11	9	347.55	9		9		9		9		9	
1/4	1,789.79	1/4	1,427.21	1/4	1,064.92	1/4	702.56	1/4	340.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,782.24	1/2	1,419.66	1/2	1,057.38	1/2	695.01	1/2	332.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,774.68	3/4	1,412.11	3/4	1,049.84	3/4	687.45	3/4	324.89	3/4		3/4		3/4		3/4		3/4	
10	1,767.13	10	1,404.55	10	1,042.29	10	679.90	10	317.34	10		10		10		10		10	
1/4	1,759.58	1/4	1,397.00	1/4	1,034.75	1/4	672.35	1/4	309.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,752.02	1/2	1,389.45	1/2	1,027.21	1/2	664.79	1/2	302.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,744.47	3/4	1,381.89	3/4	1,019.67	3/4	657.24	3/4	294.68	3/4		3/4		3/4		3/4		3/4	
11	1,736.92	11	1,374.34	11	1,012.13	11	649.69	11	287.12	11		11		11		11		11	
1/4	1,729.36	1/4	1,366.78	1/4	1,004.59	1/4	642.13	1/4	279.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,721.81	1/2	1,359.23	1/2	997.05	1/2	634.58	1/2	272.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,714.25	3/4	1,351.68	3/4	989.51	3/4	627.03	3/4	264.46	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/25/2013 CL - SW
CALCULATED: 04/25/2013 CL
PRINTED: 04/25/2013 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 305"

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	4,954.96	0	4,610.26	0	4,249.80	0	3,887.36	0	3,524.91	0	3,162.47	0	2,800.03	0	2,437.51
1/4		1/4		1/4	4,947.96	1/4	4,602.88	1/4	4,242.25	1/4	3,879.80	1/4	3,517.36	1/4	3,154.92	1/4	2,792.48	1/4	2,429.96
1/2		1/2		1/2	4,940.96	1/2	4,595.49	1/2	4,234.70	1/2	3,872.25	1/2	3,509.81	1/2	3,147.37	1/2	2,784.92	1/2	2,422.41
3/4		3/4	5,243.51	3/4	4,933.96	3/4	4,588.10	3/4	4,227.15	3/4	3,864.70	3/4	3,502.26	3/4	3,139.82	3/4	2,777.37	3/4	2,414.85
1		1	5,239.17	1	4,926.93	1	4,580.69	1	4,219.60	1	3,857.15	1	3,494.71	1	3,132.27	1	2,769.82	1	2,407.30
1/4		1/4	5,234.84	1/4	4,919.91	1/4	4,573.27	1/4	4,212.04	1/4	3,849.60	1/4	3,487.16	1/4	3,124.71	1/4	2,762.27	1/4	2,399.74
1/2		1/2	5,230.51	1/2	4,912.88	1/2	4,565.85	1/2	4,204.49	1/2	3,842.05	1/2	3,479.61	1/2	3,117.16	1/2	2,754.72	1/2	2,392.19
3/4		3/4	5,226.17	3/4	4,905.85	3/4	4,558.44	3/4	4,196.94	3/4	3,834.50	3/4	3,472.06	3/4	3,109.61	3/4	2,747.17	3/4	2,384.64
2		2	5,220.61	2	4,898.79	2	4,550.99	2	4,189.39	2	3,826.95	2	3,464.51	2	3,102.06	2	2,739.62	2	2,377.08
1/4		1/4	5,215.05	1/4	4,891.73	1/4	4,543.54	1/4	4,181.84	1/4	3,819.40	1/4	3,456.95	1/4	3,094.51	1/4	2,732.07	1/4	2,369.53
1/2		1/2	5,209.48	1/2	4,884.67	1/2	4,536.10	1/2	4,174.29	1/2	3,811.85	1/2	3,449.40	1/2	3,086.96	1/2	2,724.52	1/2	2,361.98
3/4		3/4	5,203.92	3/4	4,877.61	3/4	4,528.65	3/4	4,166.74	3/4	3,804.30	3/4	3,441.85	3/4	3,079.41	3/4	2,716.97	3/4	2,354.42
3		3	5,197.89	3	4,870.52	3	4,521.17	3	4,159.19	3	3,795.75	3	3,434.30	3	3,071.86	3	2,709.42	3	2,346.87
1/4		1/4	5,191.86	1/4	4,863.43	1/4	4,513.70	1/4	4,151.64	1/4	3,789.19	1/4	3,426.75	1/4	3,064.31	1/4	2,701.86	1/4	2,339.31
1/2		1/2	5,185.83	1/2	4,856.35	1/2	4,506.22	1/2	4,144.09	1/2	3,781.64	1/2	3,419.20	1/2	3,056.76	1/2	2,694.31	1/2	2,331.76
3/4		3/4	5,179.80	3/4	4,849.26	3/4	4,498.75	3/4	4,136.54	3/4	3,774.09	3/4	3,411.65	3/4	3,049.21	3/4	2,686.76	3/4	2,324.21
4		4	5,173.15	4	4,842.14	4	4,491.24	4	4,128.98	4	3,766.54	4	3,404.10	4	3,041.66	4	2,679.21	4	2,316.65
1/4		1/4	5,166.49	1/4	4,835.02	1/4	4,483.73	1/4	4,121.43	1/4	3,758.99	1/4	3,396.55	1/4	3,034.10	1/4	2,671.66	1/4	2,309.10
1/2		1/2	5,159.84	1/2	4,827.90	1/2	4,476.23	1/2	4,113.88	1/2	3,751.44	1/2	3,389.00	1/2	3,026.55	1/2	2,664.11	1/2	2,301.55
3/4		3/4	5,153.18	3/4	4,820.78	3/4	4,468.72	3/4	4,106.33	3/4	3,743.89	3/4	3,381.45	3/4	3,019.00	3/4	2,656.56	3/4	2,293.99
5		5	5,146.47	5	4,813.63	5	4,461.18	5	4,098.78	5	3,736.34	5	3,373.89	5	3,011.45	5	2,649.01	5	2,286.44
1/4		1/4	5,139.76	1/4	4,806.49	1/4	4,453.65	1/4	4,091.23	1/4	3,728.79	1/4	3,366.34	1/4	3,003.90	1/4	2,641.46	1/4	2,278.89
1/2		1/2	5,133.05	1/2	4,799.34	1/2	4,446.11	1/2	4,083.68	1/2	3,721.24	1/2	3,358.79	1/2	2,996.35	1/2	2,633.91	1/2	2,271.33
3/4		3/4	5,126.34	3/4	4,792.19	3/4	4,438.57	3/4	4,076.13	3/4	3,713.69	3/4	3,351.24	3/4	2,988.80	3/4	2,626.36	3/4	2,263.78
6		6	5,119.59	6	4,785.01	6	4,431.02	6	4,068.58	6	3,706.13	6	3,343.69	6	2,981.25	6	2,618.80	6	2,256.22
1/4		1/4	5,112.84	1/4	4,777.83	1/4	4,423.47	1/4	4,061.03	1/4	3,698.58	1/4	3,336.14	1/4	2,973.70	1/4	2,611.25	1/4	2,248.67
1/2		1/2	5,106.09	1/2	4,770.65	1/2	4,415.92	1/2	4,053.48	1/2	3,691.03	1/2	3,328.59	1/2	2,966.15	1/2	2,603.69	1/2	2,241.12
3/4		3/4	5,099.34	3/4	4,763.47	3/4	4,408.37	3/4	4,045.92	3/4	3,683.48	3/4	3,321.04	3/4	2,958.60	3/4	2,596.14	3/4	2,233.56
7		7	5,092.56	7	4,756.27	7	4,400.82	7	4,038.37	7	3,675.93	7	3,313.49	7	2,951.04	7	2,588.59	7	2,226.01
1/4		1/4	5,085.78	1/4	4,749.06	1/4	4,393.27	1/4	4,030.82	1/4	3,668.38	1/4	3,305.94	1/4	2,943.49	1/4	2,581.03	1/4	2,218.46
1/2		1/2	5,079.00	1/2	4,741.85	1/2	4,385.72	1/2	4,023.27	1/2	3,660.83	1/2	3,298.39	1/2	2,935.94	1/2	2,573.48	1/2	2,210.90
3/4		3/4	5,072.22	3/4	4,734.64	3/4	4,378.16	3/4	4,015.72	3/4	3,653.28	3/4	3,290.83	3/4	2,928.39	3/4	2,565.93	3/4	2,203.35
8		8	5,065.41	8	4,727.37	8	4,370.61	8	4,008.17	8	3,645.73	8	3,283.28	8	2,920.84	8	2,558.37	8	2,195.79
1/4		1/4	5,058.60	1/4	4,720.11	1/4	4,363.06	1/4	4,000.62	1/4	3,638.18	1/4	3,275.73	1/4	2,913.29	1/4	2,550.82	1/4	2,188.24
1/2		1/2	5,051.79	1/2	4,712.84	1/2	4,355.51	1/2	3,993.07	1/2	3,630.63	1/2	3,268.18	1/2	2,905.74	1/2	2,543.26	1/2	2,180.69
3/4		3/4	5,044.98	3/4	4,705.57	3/4	4,347.96	3/4	3,985.52	3/4	3,623.07	3/4	3,260.63	3/4	2,898.19	3/4	2,535.71	3/4	2,173.13
9		9	5,038.14	9	4,698.28	9	4,340.41	9	3,977.97	9	3,615.52	9	3,253.08	9	2,890.64	9	2,528.16	9	2,165.58
1/4		1/4	5,031.30	1/4	4,690.98	1/4	4,332.86	1/4	3,970.42	1/4	3,607.97	1/4	3,245.53	1/4	2,883.09	1/4	2,520.60	1/4	2,158.03
1/2		1/2	5,024.46	1/2	4,683.68	1/2	4,325.31	1/2	3,962.86	1/2	3,600.42	1/2	3,237.98	1/2	2,875.54	1/2	2,513.05	1/2	2,150.47
3/4		3/4	5,017.62	3/4	4,676.38	3/4	4,317.76	3/4	3,955.31	3/4	3,592.87	3/4	3,230.43	3/4	2,867.98	3/4	2,505.50	3/4	2,142.92
10		10	5,010.67	10	4,669.06	10	4,310.21	10	3,947.76	10	3,585.32	10	3,222.88	10	2,860.43	10	2,497.94	10	2,135.37
1/4		1/4	5,003.73	1/4	4,661.73	1/4	4,302.66	1/4	3,940.21	1/4	3,577.77	1/4	3,215.33	1/4	2,852.88	1/4	2,490.39	1/4	2,127.81
1/2		1/2	4,996.79	1/2	4,654.40	1/2	4,295.10	1/2	3,932.66	1/2	3,570.22	1/2	3,207.77	1/2	2,845.33	1/2	2,482.84	1/2	2,120.26
3/4		3/4	4,989.85	3/4	4,647.08	3/4	4,287.55	3/4	3,925.11	3/4	3,562.67	3/4	3,200.22	3/4	2,837.78	3/4	2,475.28	3/4	2,112.70
11		11	4,982.88	11	4,639.72	11	4,280.00	11	3,917.56	11	3,555.12	11	3,192.67	11	2,830.23	11	2,467.73	11	2,105.15
1/4		1/4	4,975.90	1/4	4,632.36	1/4	4,272.45	1/4	3,910.01	1/4	3,547.57	1/4	3,185.12	1/4	2,822.68	1/4	2,460.17	1/4	2,097.60
1/2		1/2	4,968.93	1/2	4,625.01	1/2	4,264.90	1/2	3,902.46	1/2	3,540.01	1/2	3,177.57	1/2	2,815.13	1/2	2,452.62	1/2	2,090.04
3/4		3/4	4,961.96	3/4	4,617.65	3/4	4,257.35	3/4	3,894.91	3/4	3,532.46	3/4	3,170.02	3/4	2,807.58	3/4	2,445.07	3/4	2,082.49

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 305"

**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.	
0	2,074.94	0	1,712.36	0	1,349.78	0	989.07	0	627.03	0	264.46	0		0		0		0	
1/4	2,067.38	1/4	1,704.80	1/4	1,342.23	1/4	981.57	1/4	619.47	1/4	256.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,059.83	1/2	1,697.25	1/2	1,334.67	1/2	974.07	1/2	611.92	1/2	249.36	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,052.27	3/4	1,689.70	3/4	1,327.12	3/4	966.57	3/4	604.37	3/4	241.80	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,044.72	1	1,682.14	1	1,319.57	1	959.06	1	596.81	1	234.25	1	1	1	1	1	1	1	1
1/4	2,037.17	1/4	1,674.59	1/4	1,312.01	1/4	951.56	1/4	589.26	1/4	226.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,029.61	1/2	1,667.04	1/2	1,304.46	1/2	944.06	1/2	581.71	1/2	219.14	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,022.06	3/4	1,659.48	3/4	1,296.90	3/4	936.56	3/4	574.15	3/4	211.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,014.51	2	1,651.93	2	1,289.35	2	929.04	2	566.60	2	204.04	2	2	2	2	2	2	2	2
1/4	2,006.95	1/4	1,644.37	1/4	1,281.80	1/4	921.53	1/4	559.05	1/4	196.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,999.40	1/2	1,636.82	1/2	1,274.24	1/2	914.02	1/2	551.49	1/2	188.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,991.84	3/4	1,629.27	3/4	1,266.69	3/4	906.50	3/4	543.94	3/4	181.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,984.29	3	1,621.71	3	1,259.18	3	898.95	3	536.39	3	173.82	3	3	3	3	3	3	3	3
1/4	1,976.74	1/4	1,614.16	1/4	1,251.66	1/4	891.40	1/4	528.83	1/4	166.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,969.18	1/2	1,606.61	1/2	1,244.15	1/2	883.84	1/2	521.28	1/2	158.72	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,961.63	3/4	1,599.05	3/4	1,236.63	3/4	876.29	3/4	513.73	3/4	151.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,954.08	4	1,591.50	4	1,229.13	4	868.73	4	506.17	4	143.62	4	4	4	4	4	4	4	4
1/4	1,946.52	1/4	1,583.94	1/4	1,221.63	1/4	861.18	1/4	498.62	1/4	136.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,938.97	1/2	1,576.39	1/2	1,214.13	1/2	853.63	1/2	491.06	1/2	128.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,931.42	3/4	1,568.84	3/4	1,206.63	3/4	846.07	3/4	483.51	3/4	120.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,923.86	5	1,561.28	5	1,199.12	5	838.52	5	475.96	5	113.48	5	5	5	5	5	5	5	5
1/4	1,916.31	1/4	1,553.73	1/4	1,191.62	1/4	830.97	1/4	468.40	1/4	105.96	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,908.75	1/2	1,546.18	1/2	1,184.12	1/2	823.41	1/2	460.85	1/2	98.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,901.20	3/4	1,538.62	3/4	1,176.62	3/4	815.86	3/4	453.30	3/4	90.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,893.65	6	1,531.07	6	1,169.12	6	808.31	6	445.74	6	84.00	6	6	6	6	6	6	6	6
1/4	1,886.09	1/4	1,523.52	1/4	1,161.61	1/4	800.75	1/4	438.19	1/4	77.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,878.54	1/2	1,515.96	1/2	1,154.11	1/2	793.20	1/2	430.64	1/2	70.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,870.99	3/4	1,508.41	3/4	1,146.61	3/4	785.65	3/4	423.08	3/4	63.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,863.43	7	1,500.85	7	1,139.11	7	778.09	7	415.53	7	57.57	7	7	7	7	7	7	7	7
1/4	1,855.88	1/4	1,493.30	1/4	1,131.61	1/4	770.54	1/4	407.98	1/4	51.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,848.32	1/2	1,485.75	1/2	1,124.11	1/2	762.99	1/2	400.42	1/2	46.24	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,840.77	3/4	1,478.19	3/4	1,116.60	3/4	755.43	3/4	392.87	3/4	40.58	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,833.22	8	1,470.64	8	1,109.10	8	747.88	8	385.32	8	36.17	8	8	8	8	8	8	8	8
1/4	1,825.66	1/4	1,463.09	1/4	1,101.60	1/4	740.33	1/4	377.76	1/4	31.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,818.11	1/2	1,455.53	1/2	1,094.10	1/2	732.77	1/2	370.21	1/2	27.36	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,810.56	3/4	1,447.98	3/4	1,086.60	3/4	725.22	3/4	362.66	3/4	22.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,803.00	9	1,440.42	9	1,079.09	9	717.67	9	355.10	9		9	9	9	9	9	9	9	9
1/4	1,795.45	1/4	1,432.87	1/4	1,071.59	1/4	710.11	1/4	347.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,787.89	1/2	1,425.32	1/2	1,064.09	1/2	702.56	1/2	340.00	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,780.34	3/4	1,417.76	3/4	1,056.59	3/4	695.01	3/4	332.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,772.79	10	1,410.21	10	1,049.09	10	687.45	10	324.89	10		10	10	10	10	10	10	10	10
1/4	1,765.23	1/4	1,402.66	1/4	1,041.58	1/4	679.90	1/4	317.34	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,757.68	1/2	1,395.10	1/2	1,034.08	1/2	672.35	1/2	309.78	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,750.13	3/4	1,387.55	3/4	1,026.58	3/4	664.79	3/4	302.23	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,742.57	11	1,380.00	11	1,019.08	11	657.24	11	294.68	11		11	11	11	11	11	11	11	11
1/4	1,735.02	1/4	1,372.44	1/4	1,011.58	1/4	649.69	1/4	287.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,727.47	1/2	1,364.89	1/2	1,004.07	1/2	642.13	1/2	279.57	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,719.91	3/4	1,357.33	3/4	996.57	3/4	634.58	3/4	272.02	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

STRAPPED: 04/25/2013 CL - SW
CALCULATED: 04/25/2013 CL
PRINTED: 04/25/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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 305"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,935.03	0	4,590.97	0	4,231.42	0	3,870.06	0	3,508.70	0	3,147.35	0	2,785.99	0	2,424.56
1/4		1/4		1/4	4,928.05	1/4	4,583.60	1/4	4,223.89	1/4	3,862.53	1/4	3,501.18	1/4	3,139.82	1/4	2,778.46	1/4	2,417.03
1/2		1/2	5,229.70	1/2	4,921.07	1/2	4,576.24	1/2	4,216.36	1/2	3,855.01	1/2	3,493.65	1/2	3,132.29	1/2	2,770.93	1/2	2,409.50
3/4		3/4	5,225.38	3/4	4,914.07	3/4	4,568.85	3/4	4,208.84	3/4	3,847.48	3/4	3,486.12	3/4	3,124.76	3/4	2,763.40	3/4	2,401.97
1		1	5,221.06	1	4,907.06	1	4,561.45	1	4,201.31	1	3,839.95	1	3,478.59	1	3,117.23	1	2,755.87	1	2,394.43
1/4		1/4	5,216.74	1/4	4,900.05	1/4	4,554.06	1/4	4,193.78	1/4	3,832.42	1/4	3,471.06	1/4	3,109.70	1/4	2,748.35	1/4	2,386.90
1/2		1/2	5,212.42	1/2	4,893.04	1/2	4,546.66	1/2	4,186.25	1/2	3,824.89	1/2	3,463.53	1/2	3,102.18	1/2	2,740.82	1/2	2,379.37
3/4		3/4	5,206.88	3/4	4,886.00	3/4	4,539.24	3/4	4,178.72	3/4	3,817.36	3/4	3,456.01	3/4	3,094.65	3/4	2,733.29	3/4	2,371.84
2		2	5,201.33	2	4,878.97	2	4,531.81	2	4,171.19	2	3,809.84	2	3,448.48	2	3,087.12	2	2,725.76	2	2,364.31
1/4		1/4	5,195.78	1/4	4,871.93	1/4	4,524.39	1/4	4,163.67	1/4	3,802.31	1/4	3,440.95	1/4	3,079.59	1/4	2,718.23	1/4	2,356.78
1/2		1/2	5,190.24	1/2	4,864.89	1/2	4,516.97	1/2	4,156.14	1/2	3,794.78	1/2	3,433.42	1/2	3,072.06	1/2	2,710.70	1/2	2,349.25
3/4		3/4	5,184.23	3/4	4,857.82	3/4	4,509.51	3/4	4,148.61	3/4	3,787.25	3/4	3,425.89	3/4	3,064.53	3/4	2,703.18	3/4	2,341.72
3		3	5,178.21	3	4,850.75	3	4,502.06	3	4,141.08	3	3,779.72	3	3,418.36	3	3,057.01	3	2,695.65	3	2,334.19
1/4		1/4	5,172.20	1/4	4,843.69	1/4	4,494.60	1/4	4,133.55	1/4	3,772.19	1/4	3,410.84	1/4	3,049.48	1/4	2,688.12	1/4	2,326.66
1/2		1/2	5,166.19	1/2	4,836.62	1/2	4,487.15	1/2	4,126.02	1/2	3,764.67	1/2	3,403.31	1/2	3,041.95	1/2	2,680.59	1/2	2,319.12
3/4		3/4	5,159.55	3/4	4,829.52	3/4	4,479.67	3/4	4,118.50	3/4	3,757.14	3/4	3,395.78	3/4	3,034.42	3/4	2,673.06	3/4	2,311.59
4		4	5,152.92	4	4,822.42	4	4,472.18	4	4,110.97	4	3,749.61	4	3,388.25	4	3,026.89	4	2,665.53	4	2,304.06
1/4		1/4	5,146.28	1/4	4,815.33	1/4	4,464.70	1/4	4,103.44	1/4	3,742.08	1/4	3,380.72	1/4	3,019.36	1/4	2,658.01	1/4	2,296.53
1/2		1/2	5,139.65	1/2	4,808.23	1/2	4,457.21	1/2	4,095.91	1/2	3,734.55	1/2	3,373.19	1/2	3,011.84	1/2	2,650.48	1/2	2,289.00
3/4		3/4	5,132.96	3/4	4,801.10	3/4	4,449.70	3/4	4,088.38	3/4	3,727.02	3/4	3,365.67	3/4	3,004.31	3/4	2,642.95	3/4	2,281.47
5		5	5,126.27	5	4,793.97	5	4,442.19	5	4,080.85	5	3,719.50	5	3,358.14	5	2,996.78	5	2,635.42	5	2,273.94
1/4		1/4	5,119.57	1/4	4,786.85	1/4	4,434.67	1/4	4,073.33	1/4	3,711.97	1/4	3,350.61	1/4	2,989.25	1/4	2,627.89	1/4	2,266.41
1/2		1/2	5,112.88	1/2	4,779.72	1/2	4,427.16	1/2	4,065.80	1/2	3,704.44	1/2	3,343.08	1/2	2,981.72	1/2	2,620.36	1/2	2,258.88
3/4		3/4	5,106.15	3/4	4,772.56	3/4	4,419.63	3/4	4,058.27	3/4	3,696.91	3/4	3,335.55	3/4	2,974.19	3/4	2,612.83	3/4	2,251.35
6		6	5,099.42	6	4,765.40	6	4,412.10	6	4,050.74	6	3,689.38	6	3,328.02	6	2,966.67	6	2,605.30	6	2,243.81
1/4		1/4	5,092.69	1/4	4,758.25	1/4	4,404.57	1/4	4,043.21	1/4	3,681.85	1/4	3,320.50	1/4	2,959.14	1/4	2,597.77	1/4	2,236.28
1/2		1/2	5,085.96	1/2	4,751.09	1/2	4,397.04	1/2	4,035.68	1/2	3,674.33	1/2	3,312.97	1/2	2,951.61	1/2	2,590.24	1/2	2,228.75
3/4		3/4	5,079.20	3/4	4,743.90	3/4	4,389.51	3/4	4,028.16	3/4	3,666.80	3/4	3,305.44	3/4	2,944.08	3/4	2,582.71	3/4	2,221.22
7		7	5,072.44	7	4,736.72	7	4,381.99	7	4,020.63	7	3,659.27	7	3,297.91	7	2,936.55	7	2,575.18	7	2,213.69
1/4		1/4	5,065.68	1/4	4,729.53	1/4	4,374.46	1/4	4,013.10	1/4	3,651.74	1/4	3,290.38	1/4	2,929.02	1/4	2,567.65	1/4	2,206.16
1/2		1/2	5,058.92	1/2	4,722.34	1/2	4,366.93	1/2	4,005.57	1/2	3,644.21	1/2	3,282.85	1/2	2,921.50	1/2	2,560.12	1/2	2,198.63
3/4		3/4	5,052.13	3/4	4,715.10	3/4	4,359.40	3/4	3,998.04	3/4	3,636.69	3/4	3,275.33	3/4	2,913.97	3/4	2,552.59	3/4	2,191.10
8		8	5,045.34	8	4,707.85	8	4,351.87	8	3,990.52	8	3,629.16	8	3,267.80	8	2,906.44	8	2,545.05	8	2,183.57
1/4		1/4	5,038.55	1/4	4,700.61	1/4	4,344.35	1/4	3,982.99	1/4	3,621.63	1/4	3,260.27	1/4	2,898.91	1/4	2,537.52	1/4	2,176.04
1/2		1/2	5,031.76	1/2	4,693.36	1/2	4,336.82	1/2	3,975.46	1/2	3,614.10	1/2	3,252.74	1/2	2,891.38	1/2	2,529.99	1/2	2,168.50
3/4		3/4	5,024.94	3/4	4,686.09	3/4	4,329.29	3/4	3,967.93	3/4	3,606.57	3/4	3,245.21	3/4	2,883.86	3/4	2,522.46	3/4	2,160.97
9		9	5,018.12	9	4,678.81	9	4,321.76	9	3,960.40	9	3,599.04	9	3,237.69	9	2,876.33	9	2,514.93	9	2,153.44
1/4		1/4	5,011.30	1/4	4,671.53	1/4	4,314.23	1/4	3,952.87	1/4	3,591.52	1/4	3,230.16	1/4	2,868.80	1/4	2,507.40	1/4	2,145.91
1/2		1/2	5,004.48	1/2	4,664.26	1/2	4,306.70	1/2	3,945.35	1/2	3,583.99	1/2	3,222.63	1/2	2,861.27	1/2	2,499.87	1/2	2,138.38
3/4		3/4	4,997.56	3/4	4,656.95	3/4	4,299.18	3/4	3,937.82	3/4	3,576.46	3/4	3,215.10	3/4	2,853.74	3/4	2,492.34	3/4	2,130.85
10		10	4,990.64	10	4,649.65	10	4,291.65	10	3,930.29	10	3,568.93	10	3,207.57	10	2,846.21	10	2,484.81	10	2,123.32
1/4		1/4	4,983.72	1/4	4,642.34	1/4	4,284.12	1/4	3,922.76	1/4	3,561.40	1/4	3,200.04	1/4	2,838.69	1/4	2,477.28	1/4	2,115.79
1/2		1/2	4,976.79	1/2	4,635.04	1/2	4,276.59	1/2	3,915.23	1/2	3,553.87	1/2	3,192.52	1/2	2,831.16	1/2	2,469.74	1/2	2,108.26
3/4		3/4	4,969.84	3/4	4,627.70	3/4	4,269.06	3/4	3,907.70	3/4	3,546.35	3/4	3,184.99	3/4	2,823.63	3/4	2,462.21	3/4	2,100.73
11		11	4,962.89	11	4,620.37	11	4,261.53	11	3,900.18	11	3,538.82	11	3,177.46	11	2,816.10	11	2,454.68	11	2,093.19
1/4		1/4	4,955.94	1/4	4,613.03	1/4	4,254.01	1/4	3,892.65	1/4	3,531.29	1/4	3,169.93	1/4	2,808.57	1/4	2,447.15	1/4	2,085.66
1/2		1/2	4,948.99	1/2	4,605.70	1/2	4,246.48	1/2	3,885.12	1/2	3,523.76	1/2	3,162.40	1/2	2,801.04	1/2	2,439.62	1/2	2,078.13
3/4		3/4	4,942.01	3/4	4,598.33	3/4	4,238.95	3/4	3,877.59	3/4	3,516.23	3/4	3,154.87	3/4	2,793.52	3/4	2,432.09	3/4	2,070.60

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 305"

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.	
0	2,063.07	0	1,701.58	0	1,340.09	0	979.02	0	617.62	0	256.14	0		0		0		0	
1/4	2,055.54	1/4	1,694.05	1/4	1,332.56	1/4	971.51	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	2,048.01	1/2	1,686.52	1/2	1,325.03	1/2	963.99	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	2,040.48	3/4	1,678.99	3/4	1,317.50	3/4	956.47	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	2,032.95	1	1,671.46	1	1,309.97	1	948.95	1	587.50	1	226.02	1	1	1	1	1	1	1	1
1/4	2,025.42	1/4	1,663.93	1/4	1,302.44	1/4	941.43	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	2,017.88	1/2	1,656.40	1/2	1,294.91	1/2	933.91	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	2,010.35	3/4	1,648.87	3/4	1,287.38	3/4	926.38	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	2,002.82	2	1,641.33	2	1,279.85	2	918.85	2	557.37	2	195.89	2	2	2	2	2	2	2	2
1/4	1,995.29	1/4	1,633.80	1/4	1,272.32	1/4	911.32	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	1,987.76	1/2	1,626.27	1/2	1,264.78	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	1,980.23	3/4	1,618.74	3/4	1,257.25	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	1,972.70	3	1,611.21	3	1,249.72	3	888.73	3	527.25	3	165.77	3	3	3	3	3	3	3	3
1/4	1,965.17	1/4	1,603.68	1/4	1,242.19	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	1,957.64	1/2	1,596.15	1/2	1,234.66	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	1,950.11	3/4	1,588.62	3/4	1,227.14	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	1,942.57	4	1,581.09	4	1,219.62	4	858.60	4	497.13	4	135.67	4	4	4	4	4	4	4	4
1/4	1,935.04	1/4	1,573.56	1/4	1,212.10	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	1,927.51	1/2	1,566.02	1/2	1,204.59	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	1,919.98	3/4	1,558.49	3/4	1,197.07	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	1,912.45	5	1,550.96	5	1,189.55	5	828.48	5	467.00	5	105.64	5	5	5	5	5	5	5	5
1/4	1,904.92	1/4	1,543.43	1/4	1,182.03	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	1,897.39	1/2	1,535.90	1/2	1,174.51	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	1,889.86	3/4	1,528.37	3/4	1,166.99	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	1,882.33	6	1,520.84	6	1,159.47	6	798.36	6	436.88	6	76.85	6	6	6	6	6	6	6	6
1/4	1,874.80	1/4	1,513.31	1/4	1,151.95	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	1,867.26	1/2	1,505.78	1/2	1,144.44	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	1,859.73	3/4	1,498.25	3/4	1,136.92	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	1,852.20	7	1,490.71	7	1,129.40	7	768.23	7	406.76	7	51.75	7	7	7	7	7	7	7	7
1/4	1,844.67	1/4	1,483.18	1/4	1,121.88	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	1,837.14	1/2	1,475.65	1/2	1,114.36	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	1,829.61	3/4	1,468.12	3/4	1,106.84	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	1,822.08	8	1,460.59	8	1,099.32	8	738.11	8	376.63	8	31.67	8	8	8	8	8	8	8	8
1/4	1,814.55	1/4	1,453.06	1/4	1,091.81	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	1,807.02	1/2	1,445.53	1/2	1,084.29	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	1,799.49	3/4	1,438.00	3/4	1,076.77	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	1,791.95	9	1,430.47	9	1,069.25	9	707.99	9	346.51	9		9	9	9	9	9	9	9	9
1/4	1,784.42	1/4	1,422.94	1/4	1,061.73	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	1,776.89	1/2	1,415.40	1/2	1,054.21	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	1,769.36	3/4	1,407.87	3/4	1,046.69	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	1,761.83	10	1,400.34	10	1,039.17	10	677.87	10	316.39	10		10	10	10	10	10	10	10	10
1/4	1,754.30	1/4	1,392.81	1/4	1,031.66	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	1,746.77	1/2	1,385.28	1/2	1,024.14	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	1,739.24	3/4	1,377.75	3/4	1,016.62	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	1,731.71	11	1,370.22	11	1,009.10	11	647.74	11	286.26	11		11	11	11	11	11	11	11	11
1/4	1,724.18	1/4	1,362.69	1/4	1,001.58	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	1,716.64	1/2	1,355.16	1/2	994.06	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	1,709.11	3/4	1,347.63	3/4	986.54	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: 04/25/2013 CL - SW
CALCULATED: 04/25/2013 CL
PRINTED: 04/25/2013 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 305"

2 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	4,932.51	0	4,589.26	0	4,230.08	0	3,868.77	0	3,507.46	0	3,146.15	0	2,784.83	0	2,423.45
1/4		1/4		1/4	4,925.53	1/4	4,581.89	1/4	4,222.55	1/4	3,861.24	1/4	3,499.93	1/4	3,138.62	1/4	2,777.31	1/4	2,415.92
1/2		1/2		1/2	4,918.55	1/2	4,574.53	1/2	4,215.02	1/2	3,853.71	1/2	3,492.40	1/2	3,131.09	1/2	2,769.78	1/2	2,408.39
3/4		3/4		3/4	4,911.57	3/4	4,567.17	3/4	4,207.49	3/4	3,846.18	3/4	3,484.87	3/4	3,123.56	3/4	2,762.25	3/4	2,400.86
1		1	5,213.19	1	4,904.60	1	4,559.80	1	4,199.97	1	3,838.66	1	3,477.35	1	3,116.04	1	2,754.73	1	2,393.33
1/4		1/4	5,208.87	1/4	4,897.59	1/4	4,552.41	1/4	4,192.44	1/4	3,831.13	1/4	3,469.82	1/4	3,108.51	1/4	2,747.20	1/4	2,385.80
1/2		1/2	5,204.55	1/2	4,890.58	1/2	4,545.02	1/2	4,184.91	1/2	3,823.60	1/2	3,462.29	1/2	3,100.98	1/2	2,739.67	1/2	2,378.27
3/4		3/4	5,200.23	3/4	4,883.57	3/4	4,537.62	3/4	4,177.39	3/4	3,816.07	3/4	3,454.76	3/4	3,093.45	3/4	2,732.14	3/4	2,370.74
2		2	5,195.91	2	4,876.57	2	4,530.23	2	4,169.86	2	3,808.55	2	3,447.24	2	3,085.93	2	2,724.62	2	2,363.21
1/4		1/4	5,190.36	1/4	4,869.53	1/4	4,522.80	1/4	4,162.33	1/4	3,801.02	1/4	3,439.71	1/4	3,078.40	1/4	2,717.09	1/4	2,355.68
1/2		1/2	5,184.82	1/2	4,862.49	1/2	4,515.38	1/2	4,154.80	1/2	3,793.49	1/2	3,432.18	1/2	3,070.87	1/2	2,709.56	1/2	2,348.15
3/4		3/4	5,179.27	3/4	4,855.45	3/4	4,507.96	3/4	4,147.28	3/4	3,785.97	3/4	3,424.66	3/4	3,063.34	3/4	2,702.03	3/4	2,340.62
3		3	5,173.72	3	4,848.42	3	4,500.54	3	4,139.75	3	3,778.44	3	3,417.13	3	3,055.82	3	2,694.51	3	2,333.09
1/4		1/4	5,167.71	1/4	4,841.35	1/4	4,493.08	1/4	4,132.22	1/4	3,770.91	1/4	3,409.60	1/4	3,048.29	1/4	2,686.98	1/4	2,325.56
1/2		1/2	5,161.70	1/2	4,834.28	1/2	4,485.63	1/2	4,124.69	1/2	3,763.38	1/2	3,402.07	1/2	3,040.76	1/2	2,679.45	1/2	2,318.03
3/4		3/4	5,155.69	3/4	4,827.22	3/4	4,478.18	3/4	4,117.17	3/4	3,755.86	3/4	3,394.55	3/4	3,033.24	3/4	2,671.93	3/4	2,310.50
4		4	5,149.68	4	4,820.15	4	4,470.72	4	4,109.64	4	3,748.33	4	3,387.02	4	3,025.71	4	2,664.40	4	2,302.97
1/4		1/4	5,143.04	1/4	4,813.05	1/4	4,463.24	1/4	4,102.11	1/4	3,740.80	1/4	3,379.49	1/4	3,018.18	1/4	2,656.87	1/4	2,295.44
1/2		1/2	5,136.41	1/2	4,805.96	1/2	4,455.76	1/2	4,094.59	1/2	3,733.27	1/2	3,371.96	1/2	3,010.65	1/2	2,649.34	1/2	2,287.91
3/4		3/4	5,129.78	3/4	4,798.86	3/4	4,448.27	3/4	4,087.06	3/4	3,725.75	3/4	3,364.44	3/4	3,003.13	3/4	2,641.82	3/4	2,280.38
5		5	5,123.14	5	4,791.76	5	4,440.79	5	4,079.53	5	3,718.22	5	3,356.91	5	2,995.60	5	2,634.29	5	2,272.85
1/4		1/4	5,116.45	1/4	4,784.64	1/4	4,433.28	1/4	4,072.00	1/4	3,710.69	1/4	3,349.38	1/4	2,988.07	1/4	2,626.76	1/4	2,265.32
1/2		1/2	5,109.76	1/2	4,777.51	1/2	4,425.76	1/2	4,064.48	1/2	3,703.17	1/2	3,341.85	1/2	2,980.54	1/2	2,619.23	1/2	2,257.79
3/4		3/4	5,103.07	3/4	4,770.38	3/4	4,418.25	3/4	4,056.95	3/4	3,695.64	3/4	3,334.33	3/4	2,973.02	3/4	2,611.71	3/4	2,250.26
6		6	5,096.38	6	4,763.26	6	4,410.73	6	4,049.42	6	3,688.11	6	3,326.80	6	2,965.49	6	2,604.18	6	2,242.73
1/4		1/4	5,089.65	1/4	4,756.10	1/4	4,403.20	1/4	4,041.89	1/4	3,680.58	1/4	3,319.27	1/4	2,957.96	1/4	2,596.65	1/4	2,235.20
1/2		1/2	5,082.92	1/2	4,748.94	1/2	4,395.68	1/2	4,034.37	1/2	3,673.06	1/2	3,311.75	1/2	2,950.44	1/2	2,589.12	1/2	2,227.67
3/4		3/4	5,076.19	3/4	4,741.79	3/4	4,388.15	3/4	4,026.84	3/4	3,665.53	3/4	3,304.22	3/4	2,942.91	3/4	2,581.59	3/4	2,220.14
7		7	5,069.47	7	4,734.63	7	4,380.62	7	4,019.31	7	3,658.00	7	3,296.69	7	2,935.38	7	2,574.06	7	2,212.61
1/4		1/4	5,062.71	1/4	4,727.45	1/4	4,373.10	1/4	4,011.78	1/4	3,650.47	1/4	3,289.16	1/4	2,927.85	1/4	2,566.53	1/4	2,205.08
1/2		1/2	5,055.95	1/2	4,720.26	1/2	4,365.57	1/2	4,004.26	1/2	3,642.95	1/2	3,281.64	1/2	2,920.33	1/2	2,559.00	1/2	2,197.55
3/4		3/4	5,049.19	3/4	4,713.07	3/4	4,358.04	3/4	3,996.73	3/4	3,635.42	3/4	3,274.11	3/4	2,912.80	3/4	2,551.47	3/4	2,190.02
8		8	5,042.43	8	4,705.89	8	4,350.51	8	3,989.20	8	3,627.89	8	3,266.58	8	2,905.27	8	2,543.94	8	2,182.49
1/4		1/4	5,035.64	1/4	4,698.64	1/4	4,342.99	1/4	3,981.68	1/4	3,620.37	1/4	3,259.05	1/4	2,897.74	1/4	2,536.41	1/4	2,174.96
1/2		1/2	5,028.85	1/2	4,691.40	1/2	4,335.46	1/2	3,974.15	1/2	3,612.84	1/2	3,251.53	1/2	2,890.22	1/2	2,528.88	1/2	2,167.43
3/4		3/4	5,022.06	3/4	4,684.15	3/4	4,327.93	3/4	3,966.62	3/4	3,605.31	3/4	3,244.00	3/4	2,882.69	3/4	2,521.35	3/4	2,159.90
9		9	5,015.27	9	4,676.91	9	4,320.40	9	3,959.09	9	3,597.78	9	3,236.47	9	2,875.16	9	2,513.82	9	2,152.37
1/4		1/4	5,008.45	1/4	4,669.63	1/4	4,312.88	1/4	3,951.57	1/4	3,590.26	1/4	3,228.95	1/4	2,867.64	1/4	2,506.29	1/4	2,144.84
1/2		1/2	5,001.63	1/2	4,662.36	1/2	4,305.35	1/2	3,944.04	1/2	3,582.73	1/2	3,221.42	1/2	2,860.11	1/2	2,498.76	1/2	2,137.31
3/4		3/4	4,994.81	3/4	4,655.08	3/4	4,297.82	3/4	3,936.51	3/4	3,575.20	3/4	3,213.89	3/4	2,852.58	3/4	2,491.23	3/4	2,129.78
10		10	4,987.99	10	4,647.81	10	4,290.29	10	3,928.98	10	3,567.67	10	3,206.36	10	2,845.05	10	2,483.70	10	2,122.25
1/4		1/4	4,981.07	1/4	4,640.51	1/4	4,282.77	1/4	3,921.46	1/4	3,560.15	1/4	3,198.84	1/4	2,837.53	1/4	2,476.17	1/4	2,114.72
1/2		1/2	4,974.15	1/2	4,633.20	1/2	4,275.24	1/2	3,913.93	1/2	3,552.62	1/2	3,191.31	1/2	2,830.00	1/2	2,468.64	1/2	2,107.19
3/4		3/4	4,967.23	3/4	4,625.90	3/4	4,267.71	3/4	3,906.40	3/4	3,545.09	3/4	3,183.78	3/4	2,822.47	3/4	2,461.11	3/4	2,099.66
11		11	4,960.31	11	4,618.59	11	4,260.19	11	3,898.88	11	3,537.56	11	3,176.25	11	2,814.94	11	2,453.58	11	2,092.13
1/4		1/4	4,953.36	1/4	4,611.26	1/4	4,252.66	1/4	3,891.35	1/4	3,530.04	1/4	3,168.73	1/4	2,807.42	1/4	2,446.05	1/4	2,084.60
1/2		1/2	4,946.41	1/2	4,603.93	1/2	4,245.13	1/2	3,883.82	1/2	3,522.51	1/2	3,161.20	1/2	2,799.89	1/2	2,438.52	1/2	2,077.07
3/4		3/4	4,939.46	3/4	4,596.59	3/4	4,237.60	3/4	3,876.29	3/4	3,514.98	3/4	3,153.67	3/4	2,792.36	3/4	2,430.98	3/4	2,069.54

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 305"

2 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	2,062.01	0	1,700.56	0	1,339.11	0	989.97	0	632.60	0	271.17	0		0		0		0	
1/4	2,054.47	1/4	1,693.03	1/4	1,331.58	1/4	982.78	1/4	625.07	1/4	263.64	1/4		1/4		1/4		1/4	
1/2	2,046.94	1/2	1,685.50	1/2	1,324.05	1/2	975.59	1/2	617.54	1/2	256.11	1/2		1/2		1/2		1/2	
3/4	2,039.41	3/4	1,677.96	3/4	1,316.52	3/4	968.41	3/4	610.01	3/4	248.58	3/4		3/4		3/4		3/4	
1	2,031.88	1	1,670.43	1	1,308.99	1	961.22	1	602.48	1	241.05	1		1		1		1	
1/4	2,024.35	1/4	1,662.90	1/4	1,301.45	1/4	954.03	1/4	594.95	1/4	233.52	1/4		1/4		1/4		1/4	
1/2	2,016.82	1/2	1,655.37	1/2	1,293.92	1/2	946.85	1/2	587.42	1/2	225.99	1/2		1/2		1/2		1/2	
3/4	2,009.29	3/4	1,647.84	3/4	1,286.39	3/4	939.66	3/4	579.90	3/4	218.46	3/4		3/4		3/4		3/4	
2	2,001.76	2	1,640.31	2	1,278.86	2	932.47	2	572.37	2	210.93	2		2		2		2	
1/4	1,994.23	1/4	1,632.78	1/4	1,271.33	1/4	925.27	1/4	564.84	1/4	203.40	1/4		1/4		1/4		1/4	
1/2	1,986.70	1/2	1,625.25	1/2	1,263.80	1/2	918.08	1/2	557.31	1/2	195.87	1/2		1/2		1/2		1/2	
3/4	1,979.17	3/4	1,617.72	3/4	1,256.27	3/4	910.88	3/4	549.78	3/4	188.34	3/4		3/4		3/4		3/4	
3	1,971.64	3	1,610.19	3	1,248.74	3	903.68	3	542.25	3	180.81	3		3		3		3	
1/4	1,964.11	1/4	1,602.66	1/4	1,241.54	1/4	896.15	1/4	534.72	1/4	173.28	1/4		1/4		1/4		1/4	
1/2	1,956.58	1/2	1,595.13	1/2	1,234.35	1/2	888.62	1/2	527.19	1/2	165.75	1/2		1/2		1/2		1/2	
3/4	1,949.05	3/4	1,587.60	3/4	1,227.15	3/4	881.09	3/4	519.66	3/4	158.22	3/4		3/4		3/4		3/4	
4	1,941.52	4	1,580.07	4	1,219.95	4	873.56	4	512.13	4	150.70	4		4		4		4	
1/4	1,933.99	1/4	1,572.54	1/4	1,212.76	1/4	866.03	1/4	504.60	1/4	143.18	1/4		1/4		1/4		1/4	
1/2	1,926.46	1/2	1,565.01	1/2	1,205.57	1/2	858.50	1/2	497.07	1/2	135.66	1/2		1/2		1/2		1/2	
3/4	1,918.93	3/4	1,557.48	3/4	1,198.39	3/4	850.97	3/4	489.54	3/4	128.14	3/4		3/4		3/4		3/4	
5	1,911.40	5	1,549.95	5	1,191.20	5	843.44	5	482.01	5	120.62	5		5		5		5	
1/4	1,903.87	1/4	1,542.42	1/4	1,184.01	1/4	835.91	1/4	474.48	1/4	113.12	1/4		1/4		1/4		1/4	
1/2	1,896.34	1/2	1,534.89	1/2	1,176.83	1/2	828.38	1/2	466.95	1/2	105.63	1/2		1/2		1/2		1/2	
3/4	1,888.81	3/4	1,527.36	3/4	1,169.64	3/4	820.85	3/4	459.42	3/4	98.14	3/4		3/4		3/4		3/4	
6	1,881.28	6	1,519.83	6	1,162.45	6	813.32	6	451.89	6	90.64	6		6		6		6	
1/4	1,873.75	1/4	1,512.30	1/4	1,155.27	1/4	805.79	1/4	444.36	1/4	83.74	1/4		1/4		1/4		1/4	
1/2	1,866.22	1/2	1,504.77	1/2	1,148.08	1/2	798.26	1/2	436.83	1/2	76.84	1/2		1/2		1/2		1/2	
3/4	1,858.69	3/4	1,497.24	3/4	1,140.89	3/4	790.73	3/4	429.30	3/4	69.94	3/4		3/4		3/4		3/4	
7	1,851.16	7	1,489.71	7	1,133.70	7	783.20	7	421.77	7	63.04	7		7		7		7	
1/4	1,843.63	1/4	1,482.18	1/4	1,126.52	1/4	775.67	1/4	414.24	1/4	57.39	1/4		1/4		1/4		1/4	
1/2	1,836.10	1/2	1,474.65	1/2	1,119.33	1/2	768.14	1/2	406.71	1/2	51.75	1/2		1/2		1/2		1/2	
3/4	1,828.57	3/4	1,467.12	3/4	1,112.14	3/4	760.61	3/4	399.18	3/4	46.10	3/4		3/4		3/4		3/4	
8	1,821.04	8	1,459.59	8	1,104.96	8	753.08	8	391.65	8	40.45	8		8		8		8	
1/4	1,813.51	1/4	1,452.06	1/4	1,097.77	1/4	745.55	1/4	384.12	1/4	36.06	1/4		1/4		1/4		1/4	
1/2	1,805.98	1/2	1,444.53	1/2	1,090.58	1/2	738.02	1/2	376.59	1/2	31.67	1/2		1/2		1/2		1/2	
3/4	1,798.45	3/4	1,437.00	3/4	1,083.40	3/4	730.49	3/4	369.06	3/4	27.28	3/4		3/4		3/4		3/4	
9	1,790.92	9	1,429.47	9	1,076.21	9	722.96	9	361.53	9	22.89	9		9		9		9	
1/4	1,783.39	1/4	1,421.94	1/4	1,069.02	1/4	715.43	1/4	354.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,775.86	1/2	1,414.41	1/2	1,061.84	1/2	707.90	1/2	346.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,768.33	3/4	1,406.88	3/4	1,054.65	3/4	700.37	3/4	338.94	3/4		3/4		3/4		3/4		3/4	
10	1,760.80	10	1,399.35	10	1,047.46	10	692.84	10	331.41	10		10		10		10		10	
1/4	1,753.27	1/4	1,391.82	1/4	1,040.28	1/4	685.31	1/4	323.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,745.74	1/2	1,384.29	1/2	1,033.09	1/2	677.78	1/2	316.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,738.21	3/4	1,376.76	3/4	1,025.90	3/4	670.25	3/4	308.82	3/4		3/4		3/4		3/4		3/4	
11	1,730.68	11	1,369.23	11	1,018.71	11	662.72	11	301.29	11		11		11		11		11	
1/4	1,723.15	1/4	1,361.70	1/4	1,011.53	1/4	655.19	1/4	293.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,715.62	1/2	1,354.17	1/2	1,004.34	1/2	647.66	1/2	286.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,708.09	3/4	1,346.64	3/4	997.15	3/4	640.13	3/4	278.70	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/25/2013 CL - SW
CALCULATED: 04/25/2013 CL
PRINTED: 04/25/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HBC 305"

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	4,403.82	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	3,386.62	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	2,639.06	4	2,279.21
1/4		1/4	4,368.04	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	2,241.73
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	2,938.63	6	2,579.09	6	2,219.23
1/4		1/4	4,339.26	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	3,267.32	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	3,530.24	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	2,459.14	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 305"

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	944.85	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	127.61	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	1,132.08	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	1,844.35	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	1,469.42	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	367.52	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	719.94	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: 04/25/2013 CL - SW
CALCULATED: 04/25/2013 CL
PRINTED: 04/25/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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BARGE "HBC 305"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	4,235.31	0	4,051.61	0	3,859.68	0	3,666.77	0	3,467.00	0	3,109.69	0	2,751.30	0	2,392.11		
1/4	1/4	1/4	1/4	1/4	4,231.58	1/4	4,047.68	1/4	3,855.66	1/4	3,662.75	1/4	3,459.55	1/4	3,102.22	1/4	2,743.82	1/4	2,384.63		
1/2	1/2	1/2	1/2	1/2	4,382.06	1/2	4,227.86	1/2	4,043.75	1/2	3,851.64	1/2	3,658.73	1/2	3,452.10	1/2	3,094.75	1/2	2,736.33	1/2	2,377.14
3/4	3/4	3/4	3/4	3/4	4,381.21	3/4	4,224.11	3/4	4,039.80	3/4	3,847.62	3/4	3,654.71	3/4	3,444.65	3/4	3,087.28	3/4	2,728.85	3/4	2,369.66
1	1	1	1	1	4,380.35	1	4,220.37	1	4,035.85	1	3,843.60	1	3,650.69	1	3,437.19	1	3,079.81	1	2,721.37	1	2,362.18
1/4	1/4	1/4	1/4	1/4	4,379.50	1/4	4,216.63	1/4	4,031.90	1/4	3,839.58	1/4	3,646.67	1/4	3,429.74	1/4	3,072.34	1/4	2,713.89	1/4	2,354.69
1/2	1/2	1/2	1/2	1/2	4,378.64	1/2	4,212.89	1/2	4,027.96	1/2	3,835.56	1/2	3,642.66	1/2	3,422.29	1/2	3,064.87	1/2	2,706.40	1/2	2,347.21
3/4	3/4	3/4	3/4	3/4	4,376.55	3/4	4,209.13	3/4	4,023.99	3/4	3,831.54	3/4	3,638.64	3/4	3,414.84	3/4	3,057.41	3/4	2,698.92	3/4	2,339.72
2	2	2	2	2	4,374.46	2	4,205.37	2	4,020.03	2	3,827.52	2	3,634.62	2	3,407.39	2	3,049.95	2	2,691.44	2	2,332.24
1/4	1/4	1/4	1/4	1/4	4,372.37	1/4	4,201.61	1/4	4,016.07	1/4	3,823.51	1/4	3,630.60	1/4	3,399.94	1/4	3,042.48	1/4	2,683.96	1/4	2,324.76
1/2	1/2	1/2	1/2	1/2	4,370.27	1/2	4,197.85	1/2	4,012.10	1/2	3,819.49	1/2	3,626.58	1/2	3,392.49	1/2	3,035.02	1/2	2,676.48	1/2	2,317.27
3/4	3/4	3/4	3/4	3/4	4,367.36	3/4	4,194.08	3/4	4,008.13	3/4	3,815.47	3/4	3,622.56	3/4	3,385.04	3/4	3,027.56	3/4	2,668.99	3/4	2,309.79
3	3	3	3	3	4,364.44	3	4,190.31	3	4,004.15	3	3,811.45	3	3,618.54	3	3,377.59	3	3,020.10	3	2,661.51	3	2,302.30
1/4	1/4	1/4	1/4	1/4	4,361.52	1/4	4,186.53	1/4	4,000.17	1/4	3,807.43	1/4	3,614.52	1/4	3,370.14	1/4	3,012.64	1/4	2,654.03	1/4	2,294.82
1/2	1/2	1/2	1/2	1/2	4,358.60	1/2	4,182.76	1/2	3,996.19	1/2	3,803.41	1/2	3,610.50	1/2	3,362.69	1/2	3,005.17	1/2	2,646.55	1/2	2,287.34
3/4	3/4	3/4	3/4	3/4	4,355.07	3/4	4,178.97	3/4	3,992.19	3/4	3,799.39	3/4	3,606.49	3/4	3,355.23	3/4	2,997.71	3/4	2,639.06	3/4	2,279.85
4	4	4	4	4	4,351.55	4	4,175.18	4	3,988.20	4	3,795.37	4	3,602.47	4	3,347.78	4	2,990.25	4	2,631.58	4	2,272.37
1/4	1/4	1/4	1/4	1/4	4,348.02	1/4	4,171.39	1/4	3,984.20	1/4	3,791.35	1/4	3,598.45	1/4	3,340.33	1/4	2,982.79	1/4	2,624.10	1/4	2,264.89
1/2	1/2	1/2	1/2	1/2	4,344.50	1/2	4,167.60	1/2	3,980.21	1/2	3,787.34	1/2	3,594.43	1/2	3,332.88	1/2	2,975.33	1/2	2,616.62	1/2	2,257.40
3/4	3/4	3/4	3/4	3/4	4,340.93	3/4	4,163.79	3/4	3,976.20	3/4	3,783.32	3/4	3,590.41	3/4	3,325.43	3/4	2,967.86	3/4	2,609.14	3/4	2,249.92
5	5	5	5	5	4,337.37	5	4,159.99	5	3,972.19	5	3,779.30	5	3,586.39	5	3,317.98	5	2,960.40	5	2,601.65	5	2,242.43
1/4	1/4	1/4	1/4	1/4	4,333.80	1/4	4,156.18	1/4	3,968.18	1/4	3,775.28	1/4	3,582.37	1/4	3,310.53	1/4	2,952.94	1/4	2,594.17	1/4	2,234.95
1/2	1/2	1/2	1/2	1/2	4,330.23	1/2	4,152.38	1/2	3,964.17	1/2	3,771.26	1/2	3,578.35	1/2	3,303.08	1/2	2,945.48	1/2	2,586.69	1/2	2,227.47
3/4	3/4	3/4	3/4	3/4	4,326.64	3/4	4,148.56	3/4	3,960.15	3/4	3,767.24	3/4	3,574.33	3/4	3,295.64	3/4	2,938.02	3/4	2,579.21	3/4	2,219.98
6	6	6	6	6	4,323.05	6	4,144.73	6	3,956.13	6	3,763.22	6	3,570.32	6	3,288.21	6	2,930.55	6	2,571.72	6	2,212.50
1/4	1/4	1/4	1/4	1/4	4,319.46	1/4	4,140.91	1/4	3,952.11	1/4	3,759.20	1/4	3,566.30	1/4	3,280.77	1/4	2,923.09	1/4	2,564.24	1/4	2,205.02
1/2	1/2	1/2	1/2	1/2	4,315.87	1/2	4,137.09	1/2	3,948.09	1/2	3,755.18	1/2	3,562.28	1/2	3,273.34	1/2	2,915.63	1/2	2,556.75	1/2	2,197.53
3/4	3/4	3/4	3/4	3/4	4,312.26	3/4	4,133.25	3/4	3,944.07	3/4	3,751.17	3/4	3,558.26	3/4	3,265.90	3/4	2,908.17	3/4	2,549.27	3/4	2,190.05
7	7	7	7	7	4,308.65	7	4,129.42	7	3,940.05	7	3,747.15	7	3,554.24	7	3,258.47	7	2,900.71	7	2,541.79	7	2,182.56
1/4	1/4	1/4	1/4	1/4	4,305.04	1/4	4,125.58	1/4	3,936.04	1/4	3,743.13	1/4	3,550.22	1/4	3,251.03	1/4	2,893.24	1/4	2,534.30	1/4	2,175.08
1/2	1/2	1/2	1/2	1/2	4,301.44	1/2	4,121.74	1/2	3,932.02	1/2	3,739.11	1/2	3,546.20	1/2	3,243.59	1/2	2,885.78	1/2	2,526.82	1/2	2,167.60
3/4	3/4	3/4	3/4	3/4	4,297.81	3/4	4,117.87	3/4	3,928.00	3/4	3,735.09	3/4	3,542.18	3/4	3,236.16	3/4	2,878.31	3/4	2,519.33	3/4	2,160.11
8	8	8	8	8	4,294.19	8	4,114.00	8	3,923.98	8	3,731.07	8	3,538.16	8	3,228.72	8	2,870.84	8	2,511.85	8	2,152.63
1/4	1/4	1/4	1/4	1/4	4,290.56	1/4	4,110.14	1/4	3,919.96	1/4	3,727.05	1/4	3,534.15	1/4	3,221.29	1/4	2,863.37	1/4	2,504.37	1/4	2,145.14
1/2	1/2	1/2	1/2	1/2	4,286.94	1/2	4,106.27	1/2	3,915.94	1/2	3,723.03	1/2	3,530.13	1/2	3,213.85	1/2	2,855.90	1/2	2,496.88	1/2	2,137.66
3/4	3/4	3/4	3/4	3/4	4,283.30	3/4	4,102.39	3/4	3,911.92	3/4	3,719.01	3/4	3,526.11	3/4	3,206.42	3/4	2,848.43	3/4	2,489.40	3/4	2,130.18
9	9	9	9	9	4,279.66	9	4,098.50	9	3,907.90	9	3,715.00	9	3,522.09	9	3,198.98	9	2,840.97	9	2,481.92	9	2,122.69
1/4	1/4	1/4	1/4	1/4	4,276.02	1/4	4,094.62	1/4	3,903.88	1/4	3,710.98	1/4	3,518.07	1/4	3,191.55	1/4	2,833.50	1/4	2,474.43	1/4	2,115.21
1/2	1/2	1/2	1/2	1/2	4,272.38	1/2	4,090.73	1/2	3,899.87	1/2	3,706.96	1/2	3,514.05	1/2	3,184.11	1/2	2,826.03	1/2	2,466.95	1/2	2,107.73
3/4	3/4	3/4	3/4	3/4	4,268.68	3/4	4,086.83	3/4	3,895.85	3/4	3,702.94	3/4	3,510.03	3/4	3,176.68	3/4	2,818.56	3/4	2,459.46	3/4	2,100.24
10	10	10	10	10	4,264.99	10	4,082.93	10	3,891.83	10	3,698.92	10	3,506.01	10	3,169.24	10	2,811.09	10	2,451.98	10	2,092.76
1/4	1/4	1/4	1/4	1/4	4,261.30	1/4	4,079.03	1/4	3,887.81	1/4	3,694.90	1/4	3,501.99	1/4	3,161.81	1/4	2,803.62	1/4	2,444.50	1/4	2,085.27
1/2	1/2	1/2	1/2	1/2	4,257.60	1/2	4,075.14	1/2	3,883.79	1/2	3,690.88	1/2	3,497.98	1/2	3,154.37	1/2	2,796.15	1/2	2,437.01	1/2	2,077.79
3/4	3/4	3/4	3/4	3/4	4,253.89	3/4	4,071.22	3/4	3,879.77	3/4	3,686.86	3/4	3,493.96	3/4	3,146.93	3/4	2,788.68	3/4	2,429.53	3/4	2,070.31
11	11	11	11	11	4,250.18	11	4,067.30	11	3,875.75	11	3,682.84	11	3,489.94	11	3,139.50	11	2,781.21	11	2,422.05	11	2,062.82
1/4	1/4	1/4	1/4	1/4	4,246.47	1/4	4,063.39	1/4	3,871.73	1/4	3,678.83	1/4	3,485.92	1/4	3,132.06	1/4	2,773.74	1/4	2,414.56	1/4	2,055.34
1/2	1/2	1/2	1/2	1/2	4,242.76	1/2	4,059.47	1/2	3,867.71	1/2	3,674.81	1/2	3,481.90	1/2	3,124.63	1/2	2,766.27	1/2	2,407.08	1/2	2,047.86
3/4	3/4	3/4	3/4	3/4	4,239.03	3/4	4,055.54	3/4	3,863.70	3/4	3,670.79	3/4	3,474.45	3/4	3,117.16	3/4	2,758.79	3/4	2,399.59	3/4	2,040.37

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 305"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,032.89	0	1,673.59	0	1,315.64	0	966.52	0	614.11	0	254.71	0		0		0		0	
1/4	2,025.40	1/4	1,666.10	1/4	1,308.22	1/4	959.37	1/4	606.63	1/4	247.22	1/4		1/4		1/4		1/4	
1/2	2,017.92	1/2	1,658.62	1/2	1,300.79	1/2	952.22	1/2	599.14	1/2	239.73	1/2		1/2		1/2		1/2	
3/4	2,010.43	3/4	1,651.13	3/4	1,293.37	3/4	945.07	3/4	591.65	3/4	232.25	3/4		3/4		3/4		3/4	
1	2,002.95	1	1,643.65	1	1,285.95	1	937.92	1	584.16	1	224.76	1		1		1		1	
1/4	1,995.46	1/4	1,636.16	1/4	1,278.52	1/4	930.77	1/4	576.68	1/4	217.27	1/4		1/4		1/4		1/4	
1/2	1,987.98	1/2	1,628.67	1/2	1,271.10	1/2	923.62	1/2	569.19	1/2	209.78	1/2		1/2		1/2		1/2	
3/4	1,980.49	3/4	1,621.19	3/4	1,263.67	3/4	916.47	3/4	561.70	3/4	202.30	3/4		3/4		3/4		3/4	
2	1,973.01	2	1,613.70	2	1,256.25	2	909.32	2	554.21	2	194.81	2		2		2		2	
1/4	1,965.52	1/4	1,606.22	1/4	1,248.83	1/4	902.16	1/4	546.73	1/4	187.32	1/4		1/4		1/4		1/4	
1/2	1,958.04	1/2	1,598.73	1/2	1,241.40	1/2	895.01	1/2	539.24	1/2	179.83	1/2		1/2		1/2		1/2	
3/4	1,950.55	3/4	1,591.25	3/4	1,234.00	3/4	887.84	3/4	531.75	3/4	172.35	3/4		3/4		3/4		3/4	
3	1,943.07	3	1,583.76	3	1,226.59	3	880.66	3	524.26	3	164.86	3		3		3		3	
1/4	1,935.58	1/4	1,576.28	1/4	1,219.18	1/4	873.48	1/4	516.78	1/4	157.38	1/4		1/4		1/4		1/4	
1/2	1,928.09	1/2	1,568.79	1/2	1,211.77	1/2	866.31	1/2	509.29	1/2	149.89	1/2		1/2		1/2		1/2	
3/4	1,920.61	3/4	1,561.30	3/4	1,204.37	3/4	859.13	3/4	501.80	3/4	142.41	3/4		3/4		3/4		3/4	
4	1,913.12	4	1,553.82	4	1,196.96	4	851.96	4	494.31	4	134.92	4		4		4		4	
1/4	1,905.64	1/4	1,546.33	1/4	1,189.56	1/4	844.78	1/4	486.83	1/4	127.44	1/4		1/4		1/4		1/4	
1/2	1,898.15	1/2	1,538.85	1/2	1,182.16	1/2	837.61	1/2	479.34	1/2	119.96	1/2		1/2		1/2		1/2	
3/4	1,890.67	3/4	1,531.36	3/4	1,174.72	3/4	830.40	3/4	471.85	3/4	112.50	3/4		3/4		3/4		3/4	
5	1,883.18	5	1,523.88	5	1,167.29	5	823.20	5	464.36	5	105.05	5		5		5		5	
1/4	1,875.70	1/4	1,516.39	1/4	1,159.85	1/4	816.00	1/4	456.88	1/4	97.60	1/4		1/4		1/4		1/4	
1/2	1,868.21	1/2	1,508.91	1/2	1,152.42	1/2	808.79	1/2	449.39	1/2	90.15	1/2		1/2		1/2		1/2	
3/4	1,860.72	3/4	1,501.42	3/4	1,145.27	3/4	801.30	3/4	441.90	3/4	83.30	3/4		3/4		3/4		3/4	
6	1,853.24	6	1,493.94	6	1,138.12	6	793.82	6	434.41	6	76.44	6		6		6		6	
1/4	1,845.75	1/4	1,486.45	1/4	1,130.97	1/4	786.33	1/4	426.92	1/4	69.59	1/4		1/4		1/4		1/4	
1/2	1,838.27	1/2	1,478.96	1/2	1,123.82	1/2	778.84	1/2	419.44	1/2	62.74	1/2		1/2		1/2		1/2	
3/4	1,830.78	3/4	1,471.54	3/4	1,116.67	3/4	771.35	3/4	411.95	3/4	57.13	3/4		3/4		3/4		3/4	
7	1,823.30	7	1,464.12	7	1,109.52	7	763.87	7	404.46	7	51.52	7		7		7		7	
1/4	1,815.81	1/4	1,456.69	1/4	1,102.37	1/4	756.38	1/4	396.97	1/4	45.91	1/4		1/4		1/4		1/4	
1/2	1,808.33	1/2	1,449.27	1/2	1,095.22	1/2	748.89	1/2	389.49	1/2	40.29	1/2		1/2		1/2		1/2	
3/4	1,800.84	3/4	1,441.85	3/4	1,088.07	3/4	741.40	3/4	382.00	3/4	35.92	3/4		3/4		3/4		3/4	
8	1,793.36	8	1,434.42	8	1,080.92	8	733.92	8	374.51	8	31.55	8		8		8		8	
1/4	1,785.87	1/4	1,427.00	1/4	1,073.77	1/4	726.43	1/4	367.02	1/4	27.17	1/4		1/4		1/4		1/4	
1/2	1,778.38	1/2	1,419.57	1/2	1,066.62	1/2	718.94	1/2	359.54	1/2	22.80	1/2		1/2		1/2		1/2	
3/4	1,770.90	3/4	1,412.15	3/4	1,059.47	3/4	711.45	3/4	352.05	3/4		3/4		3/4		3/4		3/4	
9	1,763.41	9	1,404.73	9	1,052.32	9	703.97	9	344.56	9		9		9		9		9	
1/4	1,755.93	1/4	1,397.30	1/4	1,045.17	1/4	696.48	1/4	337.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,748.44	1/2	1,389.88	1/2	1,038.02	1/2	688.99	1/2	329.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,740.96	3/4	1,382.45	3/4	1,030.87	3/4	681.50	3/4	322.10	3/4		3/4		3/4		3/4		3/4	
10	1,733.47	10	1,375.03	10	1,023.72	10	674.02	10	314.61	10		10		10		10		10	
1/4	1,725.99	1/4	1,367.61	1/4	1,016.57	1/4	666.53	1/4	307.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,718.50	1/2	1,360.18	1/2	1,009.42	1/2	659.04	1/2	299.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,711.01	3/4	1,352.76	3/4	1,002.27	3/4	651.55	3/4	292.15	3/4		3/4		3/4		3/4		3/4	
11	1,703.53	11	1,345.34	11	995.12	11	644.07	11	284.66	11		11		11		11		11	
1/4	1,696.04	1/4	1,337.91	1/4	987.97	1/4	636.58	1/4	277.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,688.56	1/2	1,330.49	1/2	980.82	1/2	629.09	1/2	269.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,681.07	3/4	1,323.06	3/4	973.67	3/4	621.60	3/4	262.20	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/25/2013 CL - SW
CALCULATED: 04/25/2013 CL
PRINTED: 04/25/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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