



# BARGE "HBC 305"

## INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 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 INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

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 INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.96	0	362.66	0	725.22	0	1,087.54	0	1,449.88	0	1,812.45	0	2,175.03	0	2,537.61	0	2,900.08	0	3,262.53
1/4	27.36	1/4	370.21	1/4	732.77	1/4	1,095.08	1/4	1,457.43	1/4	1,820.01	1/4	2,182.58	1/4	2,545.16	1/4	2,907.64	1/4	3,270.08
1/2	31.77	1/2	377.76	1/2	740.33	1/2	1,102.63	1/2	1,464.98	1/2	1,827.56	1/2	2,190.14	1/2	2,552.72	1/2	2,915.19	1/2	3,277.63
3/4	36.17	3/4	385.32	3/4	747.88	3/4	1,110.17	3/4	1,472.54	3/4	1,835.11	3/4	2,197.69	3/4	2,560.27	3/4	2,922.74	3/4	3,285.18
1	40.58	1	392.87	1	755.43	1	1,117.71	1	1,480.09	1	1,842.67	1	2,205.24	1	2,567.82	1	2,930.29	1	3,292.73
1/4	46.24	1/4	400.42	1/4	762.99	1/4	1,125.25	1/4	1,487.64	1/4	1,850.22	1/4	2,212.80	1/4	2,575.38	1/4	2,937.84	1/4	3,300.28
1/2	51.91	1/2	407.98	1/2	770.54	1/2	1,132.79	1/2	1,495.20	1/2	1,857.77	1/2	2,220.35	1/2	2,582.93	1/2	2,945.39	1/2	3,307.83
3/4	57.57	3/4	415.53	3/4	778.09	3/4	1,140.33	3/4	1,502.75	3/4	1,865.33	3/4	2,227.91	3/4	2,590.48	3/4	2,952.94	3/4	3,315.38
2	63.24	2	423.08	2	785.65	2	1,147.87	2	1,510.30	2	1,872.88	2	2,235.46	2	2,598.04	2	2,960.49	2	3,322.94
1/4	70.16	1/4	430.64	1/4	793.20	1/4	1,155.42	1/4	1,517.86	1/4	1,880.44	1/4	2,243.01	1/4	2,605.59	1/4	2,968.04	1/4	3,330.49
1/2	77.08	1/2	438.19	1/2	800.75	1/2	1,162.96	1/2	1,525.41	1/2	1,887.99	1/2	2,250.57	1/2	2,613.14	1/2	2,975.59	1/2	3,338.04
3/4	84.00	3/4	445.74	3/4	808.31	3/4	1,170.50	3/4	1,532.97	3/4	1,895.54	3/4	2,258.12	3/4	2,620.70	3/4	2,983.14	3/4	3,345.59
3	90.92	3	453.30	3	815.86	3	1,178.04	3	1,540.52	3	1,903.10	3	2,265.67	3	2,628.25	3	2,990.70	3	3,353.14
1/4	98.44	1/4	460.85	1/4	823.41	1/4	1,185.58	1/4	1,548.07	1/4	1,910.65	1/4	2,273.23	1/4	2,635.80	1/4	2,998.25	1/4	3,360.69
1/2	105.96	1/2	468.40	1/2	830.97	1/2	1,193.12	1/2	1,555.63	1/2	1,918.20	1/2	2,280.78	1/2	2,643.35	1/2	3,005.80	1/2	3,368.24
3/4	113.48	3/4	475.96	3/4	838.52	3/4	1,200.66	3/4	1,563.18	3/4	1,925.76	3/4	2,288.34	3/4	2,650.90	3/4	3,013.35	3/4	3,375.79
4	120.99	4	483.51	4	846.07	4	1,208.21	4	1,570.73	4	1,933.31	4	2,295.89	4	2,658.46	4	3,020.90	4	3,383.34
1/4	128.54	1/4	491.06	1/4	853.63	1/4	1,215.75	1/4	1,578.29	1/4	1,940.87	1/4	2,303.44	1/4	2,666.01	1/4	3,028.45	1/4	3,390.89
1/2	136.08	1/2	498.62	1/2	861.18	1/2	1,223.29	1/2	1,585.84	1/2	1,948.42	1/2	2,311.00	1/2	2,673.56	1/2	3,036.00	1/2	3,398.44
3/4	143.62	3/4	506.17	3/4	868.73	3/4	1,230.83	3/4	1,593.40	3/4	1,955.97	3/4	2,318.55	3/4	2,681.11	3/4	3,043.55	3/4	3,405.99
5	151.17	5	513.73	5	876.29	5	1,238.37	5	1,600.95	5	1,963.53	5	2,326.10	5	2,688.66	5	3,051.10	5	3,413.55
1/4	158.72	1/4	521.28	1/4	883.84	1/4	1,245.93	1/4	1,608.50	1/4	1,971.08	1/4	2,333.66	1/4	2,696.21	1/4	3,058.65	1/4	3,421.10
1/2	166.27	1/2	528.83	1/2	891.40	1/2	1,253.48	1/2	1,616.06	1/2	1,978.63	1/2	2,341.21	1/2	2,703.76	1/2	3,066.20	1/2	3,428.65
3/4	173.82	3/4	536.39	3/4	898.95	3/4	1,261.03	3/4	1,623.61	3/4	1,986.19	3/4	2,348.77	3/4	2,711.31	3/4	3,073.76	3/4	3,436.20
6	181.38	6	543.94	6	906.50	6	1,268.59	6	1,631.16	6	1,993.74	6	2,356.32	6	2,718.86	6	3,081.31	6	3,443.75
1/4	188.93	1/4	551.49	1/4	914.06	1/4	1,276.14	1/4	1,638.72	1/4	2,001.30	1/4	2,363.87	1/4	2,726.41	1/4	3,088.86	1/4	3,451.30
1/2	196.48	1/2	559.05	1/2	921.61	1/2	1,283.69	1/2	1,646.27	1/2	2,008.85	1/2	2,371.43	1/2	2,733.96	1/2	3,096.41	1/2	3,458.85
3/4	204.04	3/4	566.60	3/4	929.16	3/4	1,291.25	3/4	1,653.82	3/4	2,016.40	3/4	2,378.98	3/4	2,741.52	3/4	3,103.96	3/4	3,466.40
7	211.59	7	574.15	7	936.72	7	1,298.80	7	1,661.38	7	2,023.96	7	2,386.53	7	2,749.07	7	3,111.51	7	3,473.95
1/4	219.14	1/4	581.71	1/4	944.26	1/4	1,306.35	1/4	1,668.93	1/4	2,031.51	1/4	2,394.09	1/4	2,756.62	1/4	3,119.06	1/4	3,481.50
1/2	226.70	1/2	589.26	1/2	951.80	1/2	1,313.91	1/2	1,676.49	1/2	2,039.06	1/2	2,401.64	1/2	2,764.17	1/2	3,126.61	1/2	3,489.05
3/4	234.25	3/4	596.81	3/4	959.34	3/4	1,321.46	3/4	1,684.04	3/4	2,046.62	3/4	2,409.19	3/4	2,771.72	3/4	3,134.16	3/4	3,496.61
8	241.80	8	604.37	8	966.88	8	1,329.02	8	1,691.59	8	2,054.17	8	2,416.75	8	2,779.27	8	3,141.71	8	3,504.16
1/4	249.36	1/4	611.92	1/4	974.42	1/4	1,336.57	1/4	1,699.15	1/4	2,061.72	1/4	2,424.30	1/4	2,786.82	1/4	3,149.26	1/4	3,511.71
1/2	256.91	1/2	619.47	1/2	981.96	1/2	1,344.12	1/2	1,706.70	1/2	2,069.28	1/2	2,431.86	1/2	2,794.37	1/2	3,156.82	1/2	3,519.26
3/4	264.46	3/4	627.03	3/4	989.51	3/4	1,351.68	3/4	1,714.25	3/4	2,076.83	3/4	2,439.41	3/4	2,801.92	3/4	3,164.37	3/4	3,526.81
9	272.02	9	634.58	9	997.05	9	1,359.23	9	1,721.81	9	2,084.39	9	2,446.96	9	2,809.47	9	3,171.92	9	3,534.36
1/4	279.57	1/4	642.13	1/4	1,004.59	1/4	1,366.78	1/4	1,729.36	1/4	2,091.94	1/4	2,454.52	1/4	2,817.02	1/4	3,179.47	1/4	3,541.91
1/2	287.12	1/2	649.69	1/2	1,012.13	1/2	1,374.34	1/2	1,736.92	1/2	2,099.49	1/2	2,462.07	1/2	2,824.58	1/2	3,187.02	1/2	3,549.46
3/4	294.68	3/4	657.24	3/4	1,019.67	3/4	1,381.89	3/4	1,744.47	3/4	2,107.05	3/4	2,469.62	3/4	2,832.13	3/4	3,194.57	3/4	3,557.01
10	302.23	10	664.79	10	1,027.21	10	1,389.45	10	1,752.02	10	2,114.60	10	2,477.18	10	2,839.68	10	3,202.12	10	3,564.56
1/4	309.78	1/4	672.35	1/4	1,034.75	1/4	1,397.00	1/4	1,759.58	1/4	2,122.15	1/4	2,484.73	1/4	2,847.23	1/4	3,209.67	1/4	3,572.11
1/2	317.34	1/2	679.90	1/2	1,042.30	1/2	1,404.55	1/2	1,767.13	1/2	2,129.71	1/2	2,492.29	1/2	2,854.78	1/2	3,217.22	1/2	3,579.67
3/4	324.89	3/4	687.45	3/4	1,049.84	3/4	1,412.11	3/4	1,774.68	3/4	2,137.26	3/4	2,499.84	3/4	2,862.33	3/4	3,224.77	3/4	3,587.22
11	332.44	11	695.01	11	1,057.38	11	1,419.66	11	1,782.24	11	2,144.82	11	2,507.39	11	2,869.88	11	3,232.32	11	3,594.77
1/4	340.00	1/4	702.56	1/4	1,064.92	1/4	1,427.21	1/4	1,789.79	1/4	2,152.37	1/4	2,514.95	1/4	2,877.43	1/4	3,239.88	1/4	3,602.32
1/2	347.55	1/2	710.11	1/2	1,072.46	1/2	1,434.77	1/2	1,797.35	1/2	2,159.92	1/2	2,522.50	1/2	2,884.98	1/2	3,247.43	1/2	3,609.87
3/4	355.10	3/4	717.67	3/4	1,080.00	3/4	1,442.32	3/4	1,804.90	3/4	2,167.48	3/4	2,530.05	3/4	2,892.53	3/4	3,254.98	3/4	3,617.42

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

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# BARGE "HBC 305"

## 1 PORT INNAGE 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	3,624.97	0	3,987.41	0	4,349.86	0	4,707.47	0	5,046.88	0		0		0		0		0	
1/4	3,632.52	1/4	3,994.97	1/4	4,357.41	1/4	4,714.74	1/4	5,053.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,640.07	1/2	4,002.52	1/2	4,364.96	1/2	4,722.01	1/2	5,060.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,647.62	3/4	4,010.07	3/4	4,372.51	3/4	4,729.27	3/4	5,067.31	3/4		3/4		3/4		3/4		3/4	
1	3,655.17	1	4,017.62	1	4,380.06	1	4,736.54	1	5,074.12	1		1		1		1		1	
1/4	3,662.73	1/4	4,025.17	1/4	4,387.61	1/4	4,743.75	1/4	5,080.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,670.28	1/2	4,032.72	1/2	4,395.16	1/2	4,750.96	1/2	5,087.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,677.83	3/4	4,040.27	3/4	4,402.71	3/4	4,758.17	3/4	5,094.46	3/4		3/4		3/4		3/4		3/4	
2	3,685.38	2	4,047.82	2	4,410.26	2	4,765.37	2	5,101.24	2		2		2		2		2	
1/4	3,692.93	1/4	4,055.37	1/4	4,417.82	1/4	4,772.55	1/4	5,107.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,700.48	1/2	4,062.92	1/2	4,425.37	1/2	4,779.73	1/2	5,114.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,708.03	3/4	4,070.47	3/4	4,432.92	3/4	4,786.91	3/4	5,121.49	3/4		3/4		3/4		3/4		3/4	
3	3,715.58	3	4,078.03	3	4,440.47	3	4,794.09	3	5,128.24	3		3		3		3		3	
1/4	3,723.13	1/4	4,085.58	1/4	4,448.01	1/4	4,801.24	1/4	5,134.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,730.68	1/2	4,093.13	1/2	4,455.54	1/2	4,808.38	1/2	5,141.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,738.23	3/4	4,100.68	3/4	4,463.08	3/4	4,815.53	3/4	5,148.37	3/4		3/4		3/4		3/4		3/4	
4	3,745.79	4	4,108.23	4	4,470.62	4	4,822.68	4	5,155.08	4		4		4		4		4	
1/4	3,753.34	1/4	4,115.78	1/4	4,478.13	1/4	4,829.80	1/4	5,161.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,760.89	1/2	4,123.33	1/2	4,485.63	1/2	4,836.92	1/2	5,168.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,768.44	3/4	4,130.88	3/4	4,493.14	3/4	4,844.04	3/4	5,175.05	3/4		3/4		3/4		3/4		3/4	
5	3,775.99	5	4,138.43	5	4,500.64	5	4,851.16	5	5,181.70	5		5		5		5		5	
1/4	3,783.54	1/4	4,145.98	1/4	4,508.12	1/4	4,858.25	1/4	5,187.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,791.09	1/2	4,153.53	1/2	4,515.60	1/2	4,865.33	1/2	5,193.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,798.64	3/4	4,161.08	3/4	4,523.07	3/4	4,872.42	3/4	5,199.79	3/4		3/4		3/4		3/4		3/4	
6	3,806.19	6	4,168.64	6	4,530.55	6	4,879.51	6	5,205.82	6		6		6		6		6	
1/4	3,813.74	1/4	4,176.19	1/4	4,538.00	1/4	4,886.57	1/4	5,211.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,821.29	1/2	4,183.74	1/2	4,545.44	1/2	4,893.63	1/2	5,216.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,828.85	3/4	4,191.29	3/4	4,552.89	3/4	4,900.69	3/4	5,222.51	3/4		3/4		3/4		3/4		3/4	
7	3,836.40	7	4,198.84	7	4,560.34	7	4,907.75	7	5,228.08	7		7		7		7		7	
1/4	3,843.95	1/4	4,206.39	1/4	4,567.75	1/4	4,914.78	1/4	5,232.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,851.50	1/2	4,213.94	1/2	4,575.17	1/2	4,921.81	1/2	5,236.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,859.05	3/4	4,221.49	3/4	4,582.59	3/4	4,928.83	3/4	5,241.08	3/4		3/4		3/4		3/4		3/4	
8	3,866.60	8	4,229.04	8	4,590.00	8	4,935.86	8	5,245.41	8		8		8		8		8	
1/4	3,874.15	1/4	4,236.59	1/4	4,597.39	1/4	4,942.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,881.70	1/2	4,244.14	1/2	4,604.78	1/2	4,949.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,889.25	3/4	4,251.70	3/4	4,612.16	3/4	4,956.86	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,896.80	9	4,259.25	9	4,619.55	9	4,963.86	9		9		9		9		9		9	
1/4	3,904.35	1/4	4,266.80	1/4	4,626.91	1/4	4,970.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,911.91	1/2	4,274.35	1/2	4,634.26	1/2	4,977.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,919.46	3/4	4,281.90	3/4	4,641.62	3/4	4,984.78	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,927.01	10	4,289.45	10	4,648.98	10	4,991.75	10		10		10		10		10		10	
1/4	3,934.56	1/4	4,297.00	1/4	4,656.30	1/4	4,998.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,942.11	1/2	4,304.55	1/2	4,663.63	1/2	5,005.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,949.66	3/4	4,312.10	3/4	4,670.96	3/4	5,012.57	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,957.21	11	4,319.65	11	4,678.28	11	5,019.52	11		11		11		11		11		11	
1/4	3,964.76	1/4	4,327.20	1/4	4,685.58	1/4	5,026.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,972.31	1/2	4,334.76	1/2	4,692.88	1/2	5,033.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,979.86	3/4	4,342.31	3/4	4,700.17	3/4	5,040.04	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  
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P.O. Box 2092  
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# BARGE "HBC 305"

# 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.96	0	362.66	0	725.22	0	1,086.60	0	1,447.98	0	1,810.56	0	2,173.13	0	2,535.71	0	2,898.19	0	3,260.63
1/4	27.36	1/4	370.21	1/4	732.77	1/4	1,094.10	1/4	1,455.53	1/4	1,818.11	1/4	2,180.69	1/4	2,543.26	1/4	2,905.74	1/4	3,268.18
1/2	31.77	1/2	377.76	1/2	740.33	1/2	1,101.60	1/2	1,463.09	1/2	1,825.66	1/2	2,188.24	1/2	2,550.82	1/2	2,913.29	1/2	3,275.73
3/4	36.17	3/4	385.32	3/4	747.88	3/4	1,109.10	3/4	1,470.64	3/4	1,833.22	3/4	2,195.79	3/4	2,558.37	3/4	2,920.84	3/4	3,283.28
1	40.58	1	392.87	1	755.43	1	1,116.60	1	1,478.19	1	1,840.77	1	2,203.35	1	2,565.93	1	2,928.39	1	3,290.83
1/4	46.24	1/4	400.42	1/4	762.99	1/4	1,124.11	1/4	1,485.75	1/4	1,848.32	1/4	2,210.90	1/4	2,573.48	1/4	2,935.94	1/4	3,298.39
1/2	51.91	1/2	407.98	1/2	770.54	1/2	1,131.61	1/2	1,493.30	1/2	1,855.88	1/2	2,218.46	1/2	2,581.03	1/2	2,943.49	1/2	3,305.94
3/4	57.57	3/4	415.53	3/4	778.09	3/4	1,139.11	3/4	1,500.85	3/4	1,863.43	3/4	2,226.01	3/4	2,588.59	3/4	2,951.04	3/4	3,313.49
2	63.24	2	423.08	2	785.65	2	1,146.61	2	1,508.41	2	1,870.99	2	2,233.56	2	2,596.14	2	2,958.60	2	3,321.04
1/4	70.16	1/4	430.64	1/4	793.20	1/4	1,154.11	1/4	1,515.96	1/4	1,878.54	1/4	2,241.12	1/4	2,603.69	1/4	2,966.15	1/4	3,328.59
1/2	77.08	1/2	438.19	1/2	800.75	1/2	1,161.61	1/2	1,523.52	1/2	1,886.09	1/2	2,248.67	1/2	2,611.25	1/2	2,973.70	1/2	3,336.14
3/4	84.00	3/4	445.74	3/4	808.31	3/4	1,169.12	3/4	1,531.07	3/4	1,893.65	3/4	2,256.22	3/4	2,618.80	3/4	2,981.25	3/4	3,343.69
3	90.92	3	453.30	3	815.86	3	1,176.62	3	1,538.62	3	1,901.20	3	2,263.78	3	2,626.36	3	2,988.80	3	3,351.24
1/4	98.44	1/4	460.85	1/4	823.41	1/4	1,184.12	1/4	1,546.18	1/4	1,908.75	1/4	2,271.33	1/4	2,633.91	1/4	2,996.35	1/4	3,358.79
1/2	105.96	1/2	468.40	1/2	830.97	1/2	1,191.62	1/2	1,553.73	1/2	1,916.31	1/2	2,278.89	1/2	2,641.46	1/2	3,003.90	1/2	3,366.34
3/4	113.48	3/4	475.96	3/4	838.52	3/4	1,199.12	3/4	1,561.28	3/4	1,923.86	3/4	2,286.44	3/4	2,649.01	3/4	3,011.45	3/4	3,373.89
4	120.99	4	483.51	4	846.07	4	1,206.63	4	1,568.84	4	1,931.42	4	2,293.99	4	2,656.56	4	3,019.00	4	3,381.45
1/4	128.54	1/4	491.07	1/4	853.63	1/4	1,214.13	1/4	1,576.39	1/4	1,938.97	1/4	2,301.55	1/4	2,664.11	1/4	3,026.55	1/4	3,389.00
1/2	136.08	1/2	498.62	1/2	861.18	1/2	1,221.63	1/2	1,583.95	1/2	1,946.52	1/2	2,309.10	1/2	2,671.66	1/2	3,034.10	1/2	3,396.55
3/4	143.62	3/4	506.17	3/4	868.74	3/4	1,229.13	3/4	1,591.50	3/4	1,954.08	3/4	2,316.65	3/4	2,679.21	3/4	3,041.66	3/4	3,404.10
5	151.17	5	513.73	5	876.29	5	1,236.63	5	1,599.05	5	1,961.63	5	2,324.21	5	2,686.76	5	3,049.21	5	3,411.65
1/4	158.72	1/4	521.28	1/4	883.84	1/4	1,244.15	1/4	1,606.61	1/4	1,969.18	1/4	2,331.76	1/4	2,694.31	1/4	3,056.76	1/4	3,419.20
1/2	166.27	1/2	528.83	1/2	891.40	1/2	1,251.66	1/2	1,614.16	1/2	1,976.74	1/2	2,339.31	1/2	2,701.86	1/2	3,064.31	1/2	3,426.75
3/4	173.82	3/4	536.39	3/4	898.95	3/4	1,259.18	3/4	1,621.71	3/4	1,984.29	3/4	2,346.87	3/4	2,709.42	3/4	3,071.86	3/4	3,434.30
6	181.38	6	543.94	6	906.50	6	1,266.69	6	1,629.27	6	1,991.84	6	2,354.42	6	2,716.97	6	3,079.41	6	3,441.85
1/4	188.93	1/4	551.49	1/4	914.02	1/4	1,274.24	1/4	1,636.82	1/4	1,999.40	1/4	2,361.98	1/4	2,724.52	1/4	3,086.96	1/4	3,449.40
1/2	196.48	1/2	559.05	1/2	921.53	1/2	1,281.80	1/2	1,644.37	1/2	2,006.95	1/2	2,369.53	1/2	2,732.07	1/2	3,094.51	1/2	3,456.95
3/4	204.04	3/4	566.60	3/4	929.04	3/4	1,289.35	3/4	1,651.93	3/4	2,014.51	3/4	2,377.08	3/4	2,739.62	3/4	3,102.06	3/4	3,464.51
7	211.59	7	574.15	7	936.56	7	1,296.90	7	1,659.48	7	2,022.06	7	2,384.64	7	2,747.17	7	3,109.61	7	3,472.06
1/4	219.14	1/4	581.71	1/4	944.06	1/4	1,304.46	1/4	1,667.04	1/4	2,029.61	1/4	2,392.19	1/4	2,754.72	1/4	3,117.16	1/4	3,479.61
1/2	226.70	1/2	589.26	1/2	951.56	1/2	1,312.01	1/2	1,674.59	1/2	2,037.17	1/2	2,399.74	1/2	2,762.27	1/2	3,124.72	1/2	3,487.16
3/4	234.25	3/4	596.81	3/4	959.06	3/4	1,319.57	3/4	1,682.14	3/4	2,044.72	3/4	2,407.30	3/4	2,769.82	3/4	3,132.27	3/4	3,494.71
8	241.80	8	604.37	8	966.57	8	1,327.12	8	1,689.70	8	2,052.27	8	2,414.85	8	2,777.37	8	3,139.82	8	3,502.26
1/4	249.36	1/4	611.92	1/4	974.07	1/4	1,334.67	1/4	1,697.25	1/4	2,059.83	1/4	2,422.41	1/4	2,784.92	1/4	3,147.37	1/4	3,509.81
1/2	256.91	1/2	619.47	1/2	981.57	1/2	1,342.23	1/2	1,704.80	1/2	2,067.38	1/2	2,429.96	1/2	2,792.48	1/2	3,154.92	1/2	3,517.36
3/4	264.46	3/4	627.03	3/4	989.07	3/4	1,349.78	3/4	1,712.36	3/4	2,074.94	3/4	2,437.51	3/4	2,800.03	3/4	3,162.47	3/4	3,524.91
9	272.02	9	634.58	9	996.57	9	1,357.33	9	1,719.91	9	2,082.49	9	2,445.07	9	2,807.58	9	3,170.02	9	3,532.46
1/4	279.57	1/4	642.13	1/4	1,004.07	1/4	1,364.89	1/4	1,727.47	1/4	2,090.04	1/4	2,452.62	1/4	2,815.13	1/4	3,177.57	1/4	3,540.01
1/2	287.12	1/2	649.69	1/2	1,011.58	1/2	1,372.44	1/2	1,735.02	1/2	2,097.60	1/2	2,460.17	1/2	2,822.68	1/2	3,185.12	1/2	3,547.57
3/4	294.68	3/4	657.24	3/4	1,019.08	3/4	1,380.00	3/4	1,742.57	3/4	2,105.15	3/4	2,467.73	3/4	2,830.23	3/4	3,192.67	3/4	3,555.12
10	302.23	10	664.79	10	1,026.58	10	1,387.55	10	1,750.13	10	2,112.70	10	2,475.28	10	2,837.78	10	3,200.22	10	3,562.67
1/4	309.78	1/4	672.35	1/4	1,034.08	1/4	1,395.10	1/4	1,757.68	1/4	2,120.26	1/4	2,482.84	1/4	2,845.33	1/4	3,207.77	1/4	3,570.22
1/2	317.34	1/2	679.90	1/2	1,041.58	1/2	1,402.66	1/2	1,765.23	1/2	2,127.81	1/2	2,490.39	1/2	2,852.88	1/2	3,215.33	1/2	3,577.77
3/4	324.89	3/4	687.45	3/4	1,049.09	3/4	1,410.21	3/4	1,772.79	3/4	2,135.37	3/4	2,497.94	3/4	2,860.43	3/4	3,222.88	3/4	3,585.32
11	332.44	11	695.01	11	1,056.59	11	1,417.76	11	1,780.34	11	2,142.92	11	2,505.50	11	2,867.98	11	3,230.43	11	3,592.87
1/4	340.00	1/4	702.56	1/4	1,064.09	1/4	1,425.32	1/4	1,787.89	1/4	2,150.47	1/4	2,513.05	1/4	2,875.54	1/4	3,237.98	1/4	3,600.42
1/2	347.55	1/2	710.11	1/2	1,071.59	1/2	1,432.87	1/2	1,795.45	1/2	2,158.03	1/2	2,520.60	1/2	2,883.09	1/2	3,245.53	1/2	3,607.97
3/4	355.10	3/4	717.67	3/4	1,079.09	3/4	1,440.42	3/4	1,803.00	3/4	2,165.58	3/4	2,528.16	3/4	2,890.64	3/4	3,253.08	3/4	3,615.52

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-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  
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# BARGE "HBC 305"

**1 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	3,623.07	0	3,985.52	0	4,347.96	0	4,705.57	0	5,044.98	0		0		0		0		0	
1/4	3,630.63	1/4	3,993.07	1/4	4,355.51	1/4	4,712.84	1/4	5,051.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,638.18	1/2	4,000.62	1/2	4,363.06	1/2	4,720.11	1/2	5,058.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,645.73	3/4	4,008.17	3/4	4,370.61	3/4	4,727.37	3/4	5,065.41	3/4		3/4		3/4		3/4		3/4	
1	3,653.28	1	4,015.72	1	4,378.16	1	4,734.64	1	5,072.22	1		1		1		1		1	
1/4	3,660.83	1/4	4,023.27	1/4	4,385.72	1/4	4,741.85	1/4	5,079.00	1/4		1/4		1/4		1/4		1/4	
1/2	3,668.38	1/2	4,030.82	1/2	4,393.27	1/2	4,749.06	1/2	5,085.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,675.93	3/4	4,038.37	3/4	4,400.82	3/4	4,756.27	3/4	5,092.56	3/4		3/4		3/4		3/4		3/4	
2	3,683.48	2	4,045.92	2	4,408.37	2	4,763.47	2	5,099.34	2		2		2		2		2	
1/4	3,691.03	1/4	4,053.48	1/4	4,415.92	1/4	4,770.65	1/4	5,106.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,698.58	1/2	4,061.03	1/2	4,423.47	1/2	4,777.83	1/2	5,112.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,706.13	3/4	4,068.58	3/4	4,431.02	3/4	4,785.01	3/4	5,119.59	3/4		3/4		3/4		3/4		3/4	
3	3,713.69	3	4,076.13	3	4,438.57	3	4,792.19	3	5,126.34	3		3		3		3		3	
1/4	3,721.24	1/4	4,083.68	1/4	4,446.11	1/4	4,799.34	1/4	5,133.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,728.79	1/2	4,091.23	1/2	4,453.65	1/2	4,806.49	1/2	5,139.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,736.34	3/4	4,098.78	3/4	4,461.18	3/4	4,813.63	3/4	5,146.47	3/4		3/4		3/4		3/4		3/4	
4	3,743.89	4	4,106.33	4	4,468.72	4	4,820.78	4	5,153.18	4		4		4		4		4	
1/4	3,751.44	1/4	4,113.88	1/4	4,476.23	1/4	4,827.90	1/4	5,159.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,758.99	1/2	4,121.43	1/2	4,483.73	1/2	4,835.02	1/2	5,166.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,766.54	3/4	4,128.98	3/4	4,491.24	3/4	4,842.14	3/4	5,173.15	3/4		3/4		3/4		3/4		3/4	
5	3,774.09	5	4,136.54	5	4,498.75	5	4,849.26	5	5,179.80	5		5		5		5		5	
1/4	3,781.64	1/4	4,144.09	1/4	4,506.22	1/4	4,856.35	1/4	5,185.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,789.19	1/2	4,151.64	1/2	4,513.70	1/2	4,863.43	1/2	5,191.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,796.75	3/4	4,159.19	3/4	4,521.17	3/4	4,870.52	3/4	5,197.89	3/4		3/4		3/4		3/4		3/4	
6	3,804.30	6	4,166.74	6	4,528.65	6	4,877.61	6	5,203.92	6		6		6		6		6	
1/4	3,811.85	1/4	4,174.29	1/4	4,536.10	1/4	4,884.67	1/4	5,209.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,819.40	1/2	4,181.84	1/2	4,543.54	1/2	4,891.73	1/2	5,215.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,826.95	3/4	4,189.39	3/4	4,550.99	3/4	4,898.79	3/4	5,220.61	3/4		3/4		3/4		3/4		3/4	
7	3,834.50	7	4,196.94	7	4,558.44	7	4,905.85	7	5,226.17	7		7		7		7		7	
1/4	3,842.05	1/4	4,204.49	1/4	4,565.85	1/4	4,912.88	1/4	5,230.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,849.60	1/2	4,212.04	1/2	4,573.27	1/2	4,919.91	1/2	5,234.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,857.15	3/4	4,219.60	3/4	4,580.69	3/4	4,926.93	3/4	5,239.17	3/4		3/4		3/4		3/4		3/4	
8	3,864.70	8	4,227.15	8	4,588.10	8	4,933.96	8	5,243.51	8		8		8		8		8	
1/4	3,872.25	1/4	4,234.70	1/4	4,595.49	1/4	4,940.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,879.81	1/2	4,242.25	1/2	4,602.88	1/2	4,947.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,887.36	3/4	4,249.80	3/4	4,610.26	3/4	4,954.96	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,894.91	9	4,257.35	9	4,617.65	9	4,961.96	9		9		9		9		9		9	
1/4	3,902.46	1/4	4,264.90	1/4	4,625.01	1/4	4,968.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,910.01	1/2	4,272.45	1/2	4,632.36	1/2	4,975.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,917.56	3/4	4,280.00	3/4	4,639.72	3/4	4,982.88	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,925.11	10	4,287.55	10	4,647.08	10	4,989.85	10		10		10		10		10		10	
1/4	3,932.66	1/4	4,295.10	1/4	4,654.40	1/4	4,996.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,940.21	1/2	4,302.66	1/2	4,661.73	1/2	5,003.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,947.76	3/4	4,310.21	3/4	4,669.06	3/4	5,010.67	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,955.31	11	4,317.76	11	4,676.38	11	5,017.62	11		11		11		11		11		11	
1/4	3,962.86	1/4	4,325.31	1/4	4,683.68	1/4	5,024.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,970.42	1/2	4,332.86	1/2	4,690.98	1/2	5,031.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,977.97	3/4	4,340.41	3/4	4,698.28	3/4	5,038.14	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 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.89	0	361.57	0	723.05	0	1,084.29	0	1,445.53	0	1,807.02	0	2,168.50	0	2,529.99	0	2,891.38	0	3,252.74
1/4	27.28	1/4	369.10	1/4	730.58	1/4	1,091.81	1/4	1,453.06	1/4	1,814.55	1/4	2,176.04	1/4	2,537.52	1/4	2,898.91	1/4	3,260.27
1/2	31.67	1/2	376.63	1/2	738.11	1/2	1,099.32	1/2	1,460.59	1/2	1,822.08	1/2	2,183.57	1/2	2,545.05	1/2	2,906.44	1/2	3,267.80
3/4	36.07	3/4	384.16	3/4	745.64	3/4	1,106.84	3/4	1,468.12	3/4	1,829.61	3/4	2,191.10	3/4	2,552.59	3/4	2,913.97	3/4	3,275.33
1	40.46	1	391.69	1	753.17	1	1,114.36	1	1,475.65	1	1,837.14	1	2,198.63	1	2,560.12	1	2,921.50	1	3,282.85
1/4	46.11	1/4	399.23	1/4	760.70	1/4	1,121.88	1/4	1,483.18	1/4	1,844.67	1/4	2,206.16	1/4	2,567.65	1/4	2,929.02	1/4	3,290.38
1/2	51.75	1/2	406.76	1/2	768.23	1/2	1,129.40	1/2	1,490.71	1/2	1,852.20	1/2	2,213.69	1/2	2,575.18	1/2	2,936.55	1/2	3,297.91
3/4	57.40	3/4	414.29	3/4	775.77	3/4	1,136.92	3/4	1,498.25	3/4	1,859.73	3/4	2,221.22	3/4	2,582.71	3/4	2,944.08	3/4	3,305.44
2	63.05	2	421.82	2	783.30	2	1,144.44	2	1,505.78	2	1,867.26	2	2,228.75	2	2,590.24	2	2,951.61	2	3,312.97
1/4	69.95	1/4	429.35	1/4	790.83	1/4	1,151.95	1/4	1,513.31	1/4	1,874.80	1/4	2,236.28	1/4	2,597.77	1/4	2,959.14	1/4	3,320.50
1/2	76.85	1/2	436.88	1/2	798.36	1/2	1,159.47	1/2	1,520.84	1/2	1,882.33	1/2	2,243.81	1/2	2,605.30	1/2	2,966.67	1/2	3,328.02
3/4	83.75	3/4	444.41	3/4	805.89	3/4	1,166.99	3/4	1,528.37	3/4	1,889.86	3/4	2,251.35	3/4	2,612.83	3/4	2,974.19	3/4	3,335.55
3	90.65	3	451.94	3	813.42	3	1,174.51	3	1,535.90	3	1,897.39	3	2,258.88	3	2,620.36	3	2,981.72	3	3,343.08
1/4	98.15	1/4	459.47	1/4	820.95	1/4	1,182.03	1/4	1,543.43	1/4	1,904.92	1/4	2,266.41	1/4	2,627.89	1/4	2,989.25	1/4	3,350.61
1/2	105.64	1/2	467.00	1/2	828.48	1/2	1,189.55	1/2	1,550.96	1/2	1,912.45	1/2	2,273.94	1/2	2,635.42	1/2	2,996.78	1/2	3,358.14
3/4	113.14	3/4	474.53	3/4	836.01	3/4	1,197.07	3/4	1,558.49	3/4	1,919.98	3/4	2,281.47	3/4	2,642.95	3/4	3,004.31	3/4	3,365.67
4	120.63	4	482.06	4	843.54	4	1,204.59	4	1,566.02	4	1,927.51	4	2,289.00	4	2,650.48	4	3,011.84	4	3,373.19
1/4	128.15	1/4	489.60	1/4	851.07	1/4	1,212.10	1/4	1,573.56	1/4	1,935.04	1/4	2,296.53	1/4	2,658.01	1/4	3,019.36	1/4	3,380.72
1/2	135.67	1/2	497.13	1/2	858.60	1/2	1,219.62	1/2	1,581.09	1/2	1,942.57	1/2	2,304.06	1/2	2,665.53	1/2	3,026.89	1/2	3,388.25
3/4	143.19	3/4	504.66	3/4	866.14	3/4	1,227.14	3/4	1,588.62	3/4	1,950.11	3/4	2,311.59	3/4	2,673.06	3/4	3,034.42	3/4	3,395.78
5	150.71	5	512.19	5	873.67	5	1,234.66	5	1,596.15	5	1,957.64	5	2,319.12	5	2,680.59	5	3,041.95	5	3,403.31
1/4	158.24	1/4	519.72	1/4	881.20	1/4	1,242.19	1/4	1,603.68	1/4	1,965.17	1/4	2,326.66	1/4	2,688.12	1/4	3,049.48	1/4	3,410.84
1/2	165.77	1/2	527.25	1/2	888.73	1/2	1,249.72	1/2	1,611.21	1/2	1,972.70	1/2	2,334.19	1/2	2,695.65	1/2	3,057.01	1/2	3,418.36
3/4	173.30	3/4	534.78	3/4	896.26	3/4	1,257.25	3/4	1,618.74	3/4	1,980.23	3/4	2,341.72	3/4	2,703.18	3/4	3,064.53	3/4	3,425.89
6	180.83	6	542.31	6	903.79	6	1,264.78	6	1,626.27	6	1,987.76	6	2,349.25	6	2,710.70	6	3,072.06	6	3,433.42
1/4	188.36	1/4	549.84	1/4	911.32	1/4	1,272.32	1/4	1,633.80	1/4	1,995.29	1/4	2,356.78	1/4	2,718.23	1/4	3,079.59	1/4	3,440.95
1/2	195.89	1/2	557.37	1/2	918.85	1/2	1,279.85	1/2	1,641.33	1/2	2,002.82	1/2	2,364.31	1/2	2,725.76	1/2	3,087.12	1/2	3,448.48
3/4	203.42	3/4	564.90	3/4	926.38	3/4	1,287.38	3/4	1,648.87	3/4	2,010.35	3/4	2,371.84	3/4	2,733.29	3/4	3,094.65	3/4	3,456.01
7	210.96	7	572.43	7	933.91	7	1,294.91	7	1,656.40	7	2,017.88	7	2,379.37	7	2,740.82	7	3,102.18	7	3,463.53
1/4	218.49	1/4	579.96	1/4	941.43	1/4	1,302.44	1/4	1,663.93	1/4	2,025.42	1/4	2,386.90	1/4	2,748.35	1/4	3,109.70	1/4	3,471.06
1/2	226.02	1/2	587.50	1/2	948.95	1/2	1,309.97	1/2	1,671.46	1/2	2,032.95	1/2	2,394.43	1/2	2,755.87	1/2	3,117.23	1/2	3,478.59
3/4	233.55	3/4	595.03	3/4	956.47	3/4	1,317.50	3/4	1,678.99	3/4	2,040.48	3/4	2,401.97	3/4	2,763.40	3/4	3,124.76	3/4	3,486.12
8	241.08	8	602.56	8	963.99	8	1,325.03	8	1,686.52	8	2,048.01	8	2,409.50	8	2,770.93	8	3,132.29	8	3,493.65
1/4	248.61	1/4	610.09	1/4	971.51	1/4	1,332.56	1/4	1,694.05	1/4	2,055.54	1/4	2,417.03	1/4	2,778.46	1/4	3,139.82	1/4	3,501.18
1/2	256.14	1/2	617.62	1/2	979.02	1/2	1,340.09	1/2	1,701.58	1/2	2,063.07	1/2	2,424.56	1/2	2,785.99	1/2	3,147.35	1/2	3,508.70
3/4	263.67	3/4	625.15	3/4	986.54	3/4	1,347.63	3/4	1,709.11	3/4	2,070.60	3/4	2,432.09	3/4	2,793.52	3/4	3,154.87	3/4	3,516.23
9	271.20	9	632.68	9	994.06	9	1,355.16	9	1,716.64	9	2,078.13	9	2,439.62	9	2,801.04	9	3,162.40	9	3,523.76
1/4	278.73	1/4	640.21	1/4	1,001.58	1/4	1,362.69	1/4	1,724.18	1/4	2,085.66	1/4	2,447.15	1/4	2,808.57	1/4	3,169.93	1/4	3,531.29
1/2	286.26	1/2	647.74	1/2	1,009.10	1/2	1,370.22	1/2	1,731.71	1/2	2,093.19	1/2	2,454.68	1/2	2,816.10	1/2	3,177.46	1/2	3,538.82
3/4	293.79	3/4	655.27	3/4	1,016.62	3/4	1,377.75	3/4	1,739.24	3/4	2,100.73	3/4	2,462.21	3/4	2,823.63	3/4	3,184.99	3/4	3,546.35
10	301.33	10	662.80	10	1,024.14	10	1,385.28	10	1,746.77	10	2,108.26	10	2,469.74	10	2,831.16	10	3,192.52	10	3,553.87
1/4	308.86	1/4	670.33	1/4	1,031.66	1/4	1,392.81	1/4	1,754.30	1/4	2,115.79	1/4	2,477.28	1/4	2,838.69	1/4	3,200.04	1/4	3,561.40
1/2	316.39	1/2	677.87	1/2	1,039.17	1/2	1,400.34	1/2	1,761.83	1/2	2,123.32	1/2	2,484.81	1/2	2,846.21	1/2	3,207.57	1/2	3,568.93
3/4	323.92	3/4	685.40	3/4	1,046.69	3/4	1,407.87	3/4	1,769.36	3/4	2,130.85	3/4	2,492.34	3/4	2,853.74	3/4	3,215.10	3/4	3,576.46
11	331.45	11	692.93	11	1,054.21	11	1,415.40	11	1,776.89	11	2,138.38	11	2,499.87	11	2,861.27	11	3,222.63	11	3,583.99
1/4	338.98	1/4	700.46	1/4	1,061.73	1/4	1,422.94	1/4	1,784.42	1/4	2,145.91	1/4	2,507.40	1/4	2,868.80	1/4	3,230.16	1/4	3,591.52
1/2	346.51	1/2	707.99	1/2	1,069.25	1/2	1,430.47	1/2	1,791.95	1/2	2,153.44	1/2	2,514.93	1/2	2,876.33	1/2	3,237.69	1/2	3,599.04
3/4	354.04	3/4	715.52	3/4	1,076.77	3/4	1,438.00	3/4	1,799.49	3/4	2,160.97	3/4	2,522.46	3/4	2,883.85	3/4	3,245.21	3/4	3,606.57

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE 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"

## 2 PORT INNAGE 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	3,614.10	0	3,975.46	0	4,336.82	0	4,693.36	0	5,031.76	0		0		0		0		0	
1/4	3,621.63	1/4	3,982.99	1/4	4,344.35	1/4	4,700.61	1/4	5,038.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,629.16	1/2	3,990.52	1/2	4,351.87	1/2	4,707.85	1/2	5,045.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,636.68	3/4	3,998.04	3/4	4,359.40	3/4	4,715.10	3/4	5,052.13	3/4		3/4		3/4		3/4		3/4	
1	3,644.21	1	4,005.57	1	4,366.93	1	4,722.34	1	5,058.92	1		1		1		1		1	
1/4	3,651.74	1/4	4,013.10	1/4	4,374.46	1/4	4,729.53	1/4	5,065.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,659.27	1/2	4,020.63	1/2	4,381.99	1/2	4,736.72	1/2	5,072.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,666.80	3/4	4,028.16	3/4	4,389.51	3/4	4,743.90	3/4	5,079.20	3/4		3/4		3/4		3/4		3/4	
2	3,674.33	2	4,035.68	2	4,397.04	2	4,751.09	2	5,085.96	2		2		2		2		2	
1/4	3,681.85	1/4	4,043.21	1/4	4,404.57	1/4	4,758.25	1/4	5,092.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,689.38	1/2	4,050.74	1/2	4,412.10	1/2	4,765.40	1/2	5,099.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,696.91	3/4	4,058.27	3/4	4,419.63	3/4	4,772.56	3/4	5,106.15	3/4		3/4		3/4		3/4		3/4	
3	3,704.44	3	4,065.80	3	4,427.16	3	4,779.72	3	5,112.88	3		3		3		3		3	
1/4	3,711.97	1/4	4,073.33	1/4	4,434.67	1/4	4,786.85	1/4	5,119.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,719.50	1/2	4,080.85	1/2	4,442.19	1/2	4,793.97	1/2	5,126.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,727.02	3/4	4,088.38	3/4	4,449.70	3/4	4,801.10	3/4	5,132.96	3/4		3/4		3/4		3/4		3/4	
4	3,734.55	4	4,095.91	4	4,457.21	4	4,808.23	4	5,139.65	4		4		4		4		4	
1/4	3,742.08	1/4	4,103.44	1/4	4,464.70	1/4	4,815.33	1/4	5,146.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,749.61	1/2	4,110.97	1/2	4,472.18	1/2	4,822.42	1/2	5,152.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,757.14	3/4	4,118.50	3/4	4,479.67	3/4	4,829.52	3/4	5,159.55	3/4		3/4		3/4		3/4		3/4	
5	3,764.67	5	4,126.02	5	4,487.15	5	4,836.62	5	5,166.19	5		5		5		5		5	
1/4	3,772.19	1/4	4,133.55	1/4	4,494.60	1/4	4,843.69	1/4	5,172.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,779.72	1/2	4,141.08	1/2	4,502.06	1/2	4,850.75	1/2	5,178.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,787.25	3/4	4,148.61	3/4	4,509.51	3/4	4,857.82	3/4	5,184.23	3/4		3/4		3/4		3/4		3/4	
6	3,794.78	6	4,156.14	6	4,516.97	6	4,864.89	6	5,190.24	6		6		6		6		6	
1/4	3,802.31	1/4	4,163.67	1/4	4,524.39	1/4	4,871.93	1/4	5,195.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,809.84	1/2	4,171.19	1/2	4,531.81	1/2	4,878.97	1/2	5,201.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,817.36	3/4	4,178.72	3/4	4,539.24	3/4	4,886.00	3/4	5,206.88	3/4		3/4		3/4		3/4		3/4	
7	3,824.89	7	4,186.25	7	4,546.66	7	4,893.04	7	5,212.42	7		7		7		7		7	
1/4	3,832.42	1/4	4,193.78	1/4	4,554.06	1/4	4,900.05	1/4	5,216.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,839.95	1/2	4,201.31	1/2	4,561.45	1/2	4,907.06	1/2	5,221.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,847.48	3/4	4,208.84	3/4	4,568.85	3/4	4,914.07	3/4	5,225.38	3/4		3/4		3/4		3/4		3/4	
8	3,855.01	8	4,216.36	8	4,576.24	8	4,921.07	8	5,229.70	8		8		8		8		8	
1/4	3,862.53	1/4	4,223.89	1/4	4,583.60	1/4	4,928.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,870.06	1/2	4,231.42	1/2	4,590.97	1/2	4,935.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,877.59	3/4	4,238.95	3/4	4,598.33	3/4	4,942.01	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,885.12	9	4,246.48	9	4,605.70	9	4,948.99	9		9		9		9		9		9	
1/4	3,892.65	1/4	4,254.01	1/4	4,613.03	1/4	4,955.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,900.18	1/2	4,261.53	1/2	4,620.37	1/2	4,962.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,907.70	3/4	4,269.06	3/4	4,627.70	3/4	4,969.84	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,915.23	10	4,276.59	10	4,635.04	10	4,976.79	10		10		10		10		10		10	
1/4	3,922.76	1/4	4,284.12	1/4	4,642.34	1/4	4,983.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,930.29	1/2	4,291.65	1/2	4,649.65	1/2	4,990.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,937.82	3/4	4,299.18	3/4	4,656.95	3/4	4,997.56	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,945.35	11	4,306.70	11	4,664.26	11	5,004.48	11		11		11		11		11		11	
1/4	3,952.87	1/4	4,314.23	1/4	4,671.53	1/4	5,011.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,960.40	1/2	4,321.76	1/2	4,678.81	1/2	5,018.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,967.93	3/4	4,329.29	3/4	4,686.08	3/4	5,024.94	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.

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# BARGE "HBC 305"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.89	0	361.53	0	722.96	0	1,076.21	0	1,429.47	0	1,790.92	0	2,152.37	0	2,513.82	0	2,875.16	0	3,236.47
1/4	27.28	1/4	369.06	1/4	730.49	1/4	1,083.40	1/4	1,437.00	1/4	1,798.45	1/4	2,159.90	1/4	2,521.35	1/4	2,882.69	1/4	3,244.00
1/2	31.67	1/2	376.59	1/2	738.02	1/2	1,090.58	1/2	1,444.53	1/2	1,805.98	1/2	2,167.43	1/2	2,528.88	1/2	2,890.22	1/2	3,251.53
3/4	36.06	3/4	384.12	3/4	745.55	3/4	1,097.77	3/4	1,452.06	3/4	1,813.51	3/4	2,174.96	3/4	2,536.41	3/4	2,897.74	3/4	3,259.05
1	40.45	1	391.65	1	753.08	1	1,104.96	1	1,459.59	1	1,821.04	1	2,182.49	1	2,543.94	1	2,905.27	1	3,266.58
1/4	46.10	1/4	399.18	1/4	760.61	1/4	1,112.14	1/4	1,467.12	1/4	1,828.57	1/4	2,190.02	1/4	2,551.47	1/4	2,912.80	1/4	3,274.11
1/2	51.75	1/2	406.71	1/2	768.14	1/2	1,119.33	1/2	1,474.65	1/2	1,836.10	1/2	2,197.55	1/2	2,559.00	1/2	2,920.33	1/2	3,281.64
3/4	57.39	3/4	414.24	3/4	775.67	3/4	1,126.52	3/4	1,482.18	3/4	1,843.63	3/4	2,205.08	3/4	2,566.53	3/4	2,927.85	3/4	3,289.16
2	63.04	2	421.77	2	783.20	2	1,133.70	2	1,489.71	2	1,851.16	2	2,212.61	2	2,574.06	2	2,935.38	2	3,296.69
1/4	69.94	1/4	429.30	1/4	790.73	1/4	1,140.89	1/4	1,497.24	1/4	1,858.69	1/4	2,220.14	1/4	2,581.59	1/4	2,942.91	1/4	3,304.22
1/2	76.84	1/2	436.83	1/2	798.26	1/2	1,148.08	1/2	1,504.77	1/2	1,866.22	1/2	2,227.67	1/2	2,589.12	1/2	2,950.44	1/2	3,311.75
3/4	83.74	3/4	444.36	3/4	805.79	3/4	1,155.27	3/4	1,512.30	3/4	1,873.75	3/4	2,235.20	3/4	2,596.65	3/4	2,957.96	3/4	3,319.27
3	90.64	3	451.89	3	813.32	3	1,162.45	3	1,519.83	3	1,881.28	3	2,242.73	3	2,604.18	3	2,965.49	3	3,326.80
1/4	98.14	1/4	459.42	1/4	820.85	1/4	1,169.64	1/4	1,527.36	1/4	1,888.81	1/4	2,250.26	1/4	2,611.71	1/4	2,973.02	1/4	3,334.33
1/2	105.63	1/2	466.95	1/2	828.38	1/2	1,176.83	1/2	1,534.89	1/2	1,896.34	1/2	2,257.79	1/2	2,619.23	1/2	2,980.54	1/2	3,341.86
3/4	113.12	3/4	474.48	3/4	835.91	3/4	1,184.01	3/4	1,542.42	3/4	1,903.87	3/4	2,265.32	3/4	2,626.76	3/4	2,988.07	3/4	3,349.38
4	120.62	4	482.01	4	843.44	4	1,191.20	4	1,549.95	4	1,911.40	4	2,272.85	4	2,634.29	4	2,995.60	4	3,356.91
1/4	128.14	1/4	489.54	1/4	850.97	1/4	1,198.39	1/4	1,557.48	1/4	1,918.93	1/4	2,280.38	1/4	2,641.82	1/4	3,003.13	1/4	3,364.44
1/2	135.66	1/2	497.07	1/2	858.50	1/2	1,205.57	1/2	1,565.01	1/2	1,926.46	1/2	2,287.91	1/2	2,649.34	1/2	3,010.65	1/2	3,371.96
3/4	143.18	3/4	504.60	3/4	866.03	3/4	1,212.76	3/4	1,572.54	3/4	1,933.99	3/4	2,295.44	3/4	2,656.87	3/4	3,018.18	3/4	3,379.49
5	150.70	5	512.13	5	873.56	5	1,219.95	5	1,580.07	5	1,941.52	5	2,302.97	5	2,664.40	5	3,025.71	5	3,387.02
1/4	158.22	1/4	519.66	1/4	881.09	1/4	1,227.15	1/4	1,587.60	1/4	1,949.05	1/4	2,310.50	1/4	2,671.93	1/4	3,033.24	1/4	3,394.55
1/2	165.75	1/2	527.19	1/2	888.62	1/2	1,234.35	1/2	1,595.13	1/2	1,956.58	1/2	2,318.03	1/2	2,679.45	1/2	3,040.76	1/2	3,402.07
3/4	173.28	3/4	534.72	3/4	896.15	3/4	1,241.54	3/4	1,602.66	3/4	1,964.11	3/4	2,325.56	3/4	2,686.98	3/4	3,048.29	3/4	3,409.60
6	180.81	6	542.25	6	903.68	6	1,248.74	6	1,610.19	6	1,971.64	6	2,333.09	6	2,694.51	6	3,055.82	6	3,417.13
1/4	188.34	1/4	549.78	1/4	910.88	1/4	1,256.27	1/4	1,617.72	1/4	1,979.17	1/4	2,340.62	1/4	2,702.03	1/4	3,063.34	1/4	3,424.66
1/2	195.87	1/2	557.31	1/2	918.08	1/2	1,263.80	1/2	1,625.25	1/2	1,986.70	1/2	2,348.15	1/2	2,709.56	1/2	3,070.87	1/2	3,432.18
3/4	203.40	3/4	564.84	3/4	925.27	3/4	1,271.33	3/4	1,632.78	3/4	1,994.23	3/4	2,355.68	3/4	2,717.09	3/4	3,078.40	3/4	3,439.71
7	210.93	7	572.37	7	932.47	7	1,278.86	7	1,640.31	7	2,001.76	7	2,363.21	7	2,724.62	7	3,085.93	7	3,447.24
1/4	218.46	1/4	579.90	1/4	939.66	1/4	1,286.39	1/4	1,647.84	1/4	2,009.29	1/4	2,370.74	1/4	2,732.14	1/4	3,093.45	1/4	3,454.76
1/2	225.99	1/2	587.43	1/2	946.85	1/2	1,293.92	1/2	1,655.37	1/2	2,016.82	1/2	2,378.27	1/2	2,739.67	1/2	3,100.98	1/2	3,462.29
3/4	233.52	3/4	594.95	3/4	954.03	3/4	1,301.46	3/4	1,662.90	3/4	2,024.35	3/4	2,385.80	3/4	2,747.20	3/4	3,108.51	3/4	3,469.82
8	241.05	8	602.48	8	961.22	8	1,308.99	8	1,670.43	8	2,031.88	8	2,393.33	8	2,754.73	8	3,116.04	8	3,477.35
1/4	248.58	1/4	610.01	1/4	968.41	1/4	1,316.52	1/4	1,677.96	1/4	2,039.41	1/4	2,400.86	1/4	2,762.25	1/4	3,123.56	1/4	3,484.87
1/2	256.11	1/2	617.54	1/2	975.59	1/2	1,324.05	1/2	1,685.50	1/2	2,046.94	1/2	2,408.39	1/2	2,769.78	1/2	3,131.09	1/2	3,492.40
3/4	263.64	3/4	625.07	3/4	982.78	3/4	1,331.58	3/4	1,693.03	3/4	2,054.47	3/4	2,415.92	3/4	2,777.31	3/4	3,138.62	3/4	3,499.93
9	271.17	9	632.60	9	989.97	9	1,339.11	9	1,700.56	9	2,062.01	9	2,423.45	9	2,784.83	9	3,146.15	9	3,507.46
1/4	278.70	1/4	640.13	1/4	997.15	1/4	1,346.64	1/4	1,708.09	1/4	2,069.54	1/4	2,430.99	1/4	2,792.36	1/4	3,153.67	1/4	3,514.98
1/2	286.23	1/2	647.66	1/2	1,004.34	1/2	1,354.17	1/2	1,715.62	1/2	2,077.07	1/2	2,438.52	1/2	2,799.89	1/2	3,161.20	1/2	3,522.51
3/4	293.76	3/4	655.19	3/4	1,011.53	3/4	1,361.70	3/4	1,723.15	3/4	2,084.60	3/4	2,446.05	3/4	2,807.42	3/4	3,168.73	3/4	3,530.04
10	301.29	10	662.72	10	1,018.71	10	1,369.23	10	1,730.68	10	2,092.13	10	2,453.58	10	2,814.94	10	3,176.25	10	3,537.56
1/4	308.82	1/4	670.25	1/4	1,025.90	1/4	1,376.76	1/4	1,738.21	1/4	2,099.66	1/4	2,461.11	1/4	2,822.47	1/4	3,183.78	1/4	3,545.09
1/2	316.35	1/2	677.78	1/2	1,033.09	1/2	1,384.29	1/2	1,745.74	1/2	2,107.19	1/2	2,468.64	1/2	2,830.00	1/2	3,191.31	1/2	3,552.62
3/4	323.88	3/4	685.31	3/4	1,040.28	3/4	1,391.82	3/4	1,753.27	3/4	2,114.72	3/4	2,476.17	3/4	2,837.53	3/4	3,198.84	3/4	3,560.15
11	331.41	11	692.84	11	1,047.46	11	1,399.35	11	1,760.80	11	2,122.25	11	2,483.70	11	2,845.05	11	3,206.36	11	3,567.67
1/4	338.94	1/4	700.37	1/4	1,054.65	1/4	1,406.88	1/4	1,768.33	1/4	2,129.78	1/4	2,491.23	1/4	2,852.58	1/4	3,213.89	1/4	3,575.20
1/2	346.47	1/2	707.90	1/2	1,061.84	1/2	1,414.41	1/2	1,775.86	1/2	2,137.31	1/2	2,498.76	1/2	2,860.11	1/2	3,221.42	1/2	3,582.73
3/4	354.00	3/4	715.43	3/4	1,069.02	3/4	1,421.94	3/4	1,783.39	3/4	2,144.84	3/4	2,506.29	3/4	2,867.64	3/4	3,228.95	3/4	3,590.26

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-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  
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# BARGE "HBC 305"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,597.78	0	3,959.09	0	4,320.40	0	4,676.91	0	5,015.27	0		0		0		0		0	
1/4	3,605.31	1/4	3,966.62	1/4	4,327.93	1/4	4,684.15	1/4	5,022.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,612.84	1/2	3,974.15	1/2	4,335.46	1/2	4,691.40	1/2	5,028.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,620.37	3/4	3,981.68	3/4	4,342.99	3/4	4,698.64	3/4	5,035.64	3/4		3/4		3/4		3/4		3/4	
1	3,627.89	1	3,989.20	1	4,350.51	1	4,705.89	1	5,042.43	1		1		1		1		1	
1/4	3,635.42	1/4	3,996.73	1/4	4,358.04	1/4	4,713.07	1/4	5,049.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,642.95	1/2	4,004.26	1/2	4,365.57	1/2	4,720.26	1/2	5,055.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,650.47	3/4	4,011.78	3/4	4,373.10	3/4	4,727.45	3/4	5,062.71	3/4		3/4		3/4		3/4		3/4	
2	3,658.00	2	4,019.31	2	4,380.62	2	4,734.63	2	5,069.47	2		2		2		2		2	
1/4	3,665.53	1/4	4,026.84	1/4	4,388.15	1/4	4,741.79	1/4	5,076.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.06	1/2	4,034.37	1/2	4,395.68	1/2	4,748.94	1/2	5,082.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,680.58	3/4	4,041.89	3/4	4,403.20	3/4	4,756.10	3/4	5,089.65	3/4		3/4		3/4		3/4		3/4	
3	3,688.11	3	4,049.42	3	4,410.73	3	4,763.26	3	5,096.38	3		3		3		3		3	
1/4	3,695.64	1/4	4,056.95	1/4	4,418.25	1/4	4,770.38	1/4	5,103.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,703.17	1/2	4,064.48	1/2	4,425.76	1/2	4,777.51	1/2	5,109.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,710.69	3/4	4,072.00	3/4	4,433.28	3/4	4,784.64	3/4	5,116.45	3/4		3/4		3/4		3/4		3/4	
4	3,718.22	4	4,079.53	4	4,440.79	4	4,791.76	4	5,123.14	4		4		4		4		4	
1/4	3,725.75	1/4	4,087.06	1/4	4,448.27	1/4	4,798.86	1/4	5,129.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,733.27	1/2	4,094.59	1/2	4,455.76	1/2	4,805.96	1/2	5,136.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,740.80	3/4	4,102.11	3/4	4,463.24	3/4	4,813.05	3/4	5,143.04	3/4		3/4		3/4		3/4		3/4	
5	3,748.33	5	4,109.64	5	4,470.72	5	4,820.15	5	5,149.68	5		5		5		5		5	
1/4	3,755.86	1/4	4,117.17	1/4	4,478.18	1/4	4,827.22	1/4	5,155.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,763.38	1/2	4,124.69	1/2	4,485.63	1/2	4,834.28	1/2	5,161.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,770.91	3/4	4,132.22	3/4	4,493.08	3/4	4,841.35	3/4	5,167.71	3/4		3/4		3/4		3/4		3/4	
6	3,778.44	6	4,139.75	6	4,500.54	6	4,848.42	6	5,173.72	6		6		6		6		6	
1/4	3,785.97	1/4	4,147.28	1/4	4,507.96	1/4	4,855.45	1/4	5,179.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,793.49	1/2	4,154.80	1/2	4,515.38	1/2	4,862.49	1/2	5,184.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,801.02	3/4	4,162.33	3/4	4,522.80	3/4	4,869.53	3/4	5,190.36	3/4		3/4		3/4		3/4		3/4	
7	3,808.55	7	4,169.86	7	4,530.23	7	4,876.57	7	5,195.91	7		7		7		7		7	
1/4	3,816.07	1/4	4,177.39	1/4	4,537.62	1/4	4,883.57	1/4	5,200.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,823.60	1/2	4,184.91	1/2	4,545.02	1/2	4,890.58	1/2	5,204.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,831.13	3/4	4,192.44	3/4	4,552.41	3/4	4,897.59	3/4	5,208.87	3/4		3/4		3/4		3/4		3/4	
8	3,838.66	8	4,199.97	8	4,559.80	8	4,904.60	8	5,213.19	8		8		8		8		8	
1/4	3,846.18	1/4	4,207.49	1/4	4,567.17	1/4	4,911.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,853.71	1/2	4,215.02	1/2	4,574.53	1/2	4,918.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,861.24	3/4	4,222.55	3/4	4,581.89	3/4	4,925.53	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,868.77	9	4,230.08	9	4,589.26	9	4,932.51	9		9		9		9		9		9	
1/4	3,876.29	1/4	4,237.60	1/4	4,596.59	1/4	4,939.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,883.82	1/2	4,245.13	1/2	4,603.93	1/2	4,946.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,891.35	3/4	4,252.66	3/4	4,611.26	3/4	4,953.36	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,898.88	10	4,260.19	10	4,618.59	10	4,960.31	10		10		10		10		10		10	
1/4	3,906.40	1/4	4,267.71	1/4	4,625.90	1/4	4,967.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,913.93	1/2	4,275.24	1/2	4,633.20	1/2	4,974.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,921.46	3/4	4,282.77	3/4	4,640.51	3/4	4,981.07	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,928.98	11	4,290.29	11	4,647.81	11	4,987.99	11		11		11		11		11		11	
1/4	3,936.51	1/4	4,297.82	1/4	4,655.08	1/4	4,994.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,944.04	1/2	4,305.35	1/2	4,662.36	1/2	5,001.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,951.57	3/4	4,312.88	3/4	4,669.63	3/4	5,008.45	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  
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P. O. Box 2092  
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# BARGE "HBC 305"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.80	0	360.02	0	719.94	0	1,079.65	0	1,439.42	0	1,799.35	0	2,159.26	0	2,519.11	0	2,878.76	0	3,237.52
1/4	27.17	1/4	367.52	1/4	727.43	1/4	1,087.14	1/4	1,446.92	1/4	1,806.85	1/4	2,166.76	1/4	2,526.61	1/4	2,886.25	1/4	3,244.97
1/2	31.54	1/2	375.01	1/2	734.93	1/2	1,094.63	1/2	1,454.42	1/2	1,814.35	1/2	2,174.25	1/2	2,534.10	1/2	2,893.73	1/2	3,252.42
3/4	35.92	3/4	382.51	3/4	742.43	3/4	1,102.12	3/4	1,461.92	3/4	1,821.85	3/4	2,181.75	3/4	2,541.60	3/4	2,901.21	3/4	3,259.87
1	40.29	1	390.01	1	749.93	1	1,109.61	1	1,469.42	1	1,829.35	1	2,189.25	1	2,549.10	1	2,908.69	1	3,267.32
1/4	45.91	1/4	397.51	1/4	757.43	1/4	1,117.10	1/4	1,476.91	1/4	1,836.85	1/4	2,196.74	1/4	2,556.59	1/4	2,916.18	1/4	3,274.76
1/2	51.53	1/2	405.01	1/2	764.92	1/2	1,124.59	1/2	1,484.41	1/2	1,844.35	1/2	2,204.24	1/2	2,564.09	1/2	2,923.66	1/2	3,282.21
3/4	57.16	3/4	412.50	3/4	772.42	3/4	1,132.08	3/4	1,491.91	3/4	1,851.84	3/4	2,211.74	3/4	2,571.59	3/4	2,931.14	3/4	3,289.66
2	62.78	2	420.00	2	779.92	2	1,139.56	2	1,499.41	2	1,859.34	2	2,219.23	2	2,579.09	2	2,938.63	2	3,297.11
1/4	69.65	1/4	427.50	1/4	787.42	1/4	1,147.05	1/4	1,506.91	1/4	1,866.84	1/4	2,226.73	1/4	2,586.58	1/4	2,946.11	1/4	3,304.56
1/2	76.52	1/2	435.00	1/2	794.92	1/2	1,154.54	1/2	1,514.41	1/2	1,874.34	1/2	2,234.23	1/2	2,594.08	1/2	2,953.59	1/2	3,312.01
3/4	83.39	3/4	442.50	3/4	802.42	3/4	1,162.03	3/4	1,521.91	3/4	1,881.84	3/4	2,241.73	3/4	2,601.58	3/4	2,961.07	3/4	3,319.45
3	90.27	3	450.00	3	809.91	3	1,169.52	3	1,529.40	3	1,889.34	3	2,249.22	3	2,609.07	3	2,968.56	3	3,326.90
1/4	97.73	1/4	457.49	1/4	817.41	1/4	1,177.01	1/4	1,536.90	1/4	1,896.84	1/4	2,256.72	1/4	2,616.57	1/4	2,976.04	1/4	3,334.37
1/2	105.19	1/2	464.99	1/2	824.91	1/2	1,184.50	1/2	1,544.40	1/2	1,904.33	1/2	2,264.22	1/2	2,624.06	1/2	2,983.52	1/2	3,341.83
3/4	112.65	3/4	472.49	3/4	832.41	3/4	1,191.99	3/4	1,551.90	3/4	1,911.83	3/4	2,271.71	3/4	2,631.56	3/4	2,991.00	3/4	3,349.29
4	120.12	4	479.99	4	839.91	4	1,199.48	4	1,559.40	4	1,919.33	4	2,279.21	4	2,639.06	4	2,998.49	4	3,356.76
1/4	127.61	1/4	487.49	1/4	847.41	1/4	1,206.97	1/4	1,566.90	1/4	1,926.83	1/4	2,286.71	1/4	2,646.55	1/4	3,005.97	1/4	3,364.22
1/2	135.09	1/2	494.99	1/2	854.90	1/2	1,214.47	1/2	1,574.40	1/2	1,934.33	1/2	2,294.20	1/2	2,654.05	1/2	3,013.45	1/2	3,371.69
3/4	142.58	3/4	502.48	3/4	862.40	3/4	1,221.96	3/4	1,581.89	3/4	1,941.83	3/4	2,301.70	3/4	2,661.54	3/4	3,020.93	3/4	3,379.15
5	150.07	5	509.98	5	869.90	5	1,229.46	5	1,589.39	5	1,949.33	5	2,309.20	5	2,669.04	5	3,028.42	5	3,386.62
1/4	157.57	1/4	517.48	1/4	877.40	1/4	1,236.96	1/4	1,596.89	1/4	1,956.82	1/4	2,316.69	1/4	2,676.53	1/4	3,035.90	1/4	3,394.08
1/2	165.06	1/2	524.98	1/2	884.90	1/2	1,244.46	1/2	1,604.39	1/2	1,964.32	1/2	2,324.19	1/2	2,684.03	1/2	3,043.38	1/2	3,401.54
3/4	172.56	3/4	532.48	3/4	892.40	3/4	1,251.96	3/4	1,611.89	3/4	1,971.82	3/4	2,331.69	3/4	2,691.52	3/4	3,050.87	3/4	3,409.01
6	180.06	6	539.98	6	899.89	6	1,259.45	6	1,619.39	6	1,979.32	6	2,339.18	6	2,699.02	6	3,058.35	6	3,416.47
1/4	187.56	1/4	547.47	1/4	907.39	1/4	1,266.95	1/4	1,626.89	1/4	1,986.82	1/4	2,346.68	1/4	2,706.51	1/4	3,065.83	1/4	3,423.94
1/2	195.05	1/2	554.97	1/2	914.88	1/2	1,274.45	1/2	1,634.38	1/2	1,994.32	1/2	2,354.18	1/2	2,714.01	1/2	3,073.31	1/2	3,431.40
3/4	202.55	3/4	562.47	3/4	922.37	3/4	1,281.95	3/4	1,641.88	3/4	2,001.82	3/4	2,361.68	3/4	2,721.51	3/4	3,080.80	3/4	3,438.86
7	210.05	7	569.97	7	929.87	7	1,289.45	7	1,649.38	7	2,009.31	7	2,369.17	7	2,729.00	7	3,088.28	7	3,446.33
1/4	217.55	1/4	577.47	1/4	937.36	1/4	1,296.95	1/4	1,656.88	1/4	2,016.81	1/4	2,376.67	1/4	2,736.50	1/4	3,095.76	1/4	3,453.79
1/2	225.05	1/2	584.97	1/2	944.85	1/2	1,304.45	1/2	1,664.38	1/2	2,024.31	1/2	2,384.17	1/2	2,743.99	1/2	3,103.24	1/2	3,461.26
3/4	232.55	3/4	592.46	3/4	952.33	3/4	1,311.94	3/4	1,671.88	3/4	2,031.81	3/4	2,391.66	3/4	2,751.49	3/4	3,110.73	3/4	3,468.72
8	240.04	8	599.96	8	959.82	8	1,319.44	8	1,679.38	8	2,039.31	8	2,399.16	8	2,758.98	8	3,118.21	8	3,476.18
1/4	247.54	1/4	607.46	1/4	967.31	1/4	1,326.94	1/4	1,686.87	1/4	2,046.81	1/4	2,406.66	1/4	2,766.48	1/4	3,125.69	1/4	3,483.65
1/2	255.04	1/2	614.96	1/2	974.80	1/2	1,334.44	1/2	1,694.37	1/2	2,054.30	1/2	2,414.15	1/2	2,773.98	1/2	3,133.18	1/2	3,491.11
3/4	262.54	3/4	622.46	3/4	982.29	3/4	1,341.94	3/4	1,701.87	3/4	2,061.80	3/4	2,421.65	3/4	2,781.47	3/4	3,140.66	3/4	3,498.58
9	270.04	9	629.96	9	989.78	9	1,349.44	9	1,709.37	9	2,069.30	9	2,429.15	9	2,788.97	9	3,148.14	9	3,506.04
1/4	277.54	1/4	637.45	1/4	997.27	1/4	1,356.94	1/4	1,716.87	1/4	2,076.79	1/4	2,436.64	1/4	2,796.45	1/4	3,155.59	1/4	3,510.07
1/2	285.03	1/2	644.95	1/2	1,004.76	1/2	1,364.43	1/2	1,724.37	1/2	2,084.29	1/2	2,444.14	1/2	2,803.94	1/2	3,163.04	1/2	3,514.11
3/4	292.53	3/4	652.45	3/4	1,012.25	3/4	1,371.93	3/4	1,731.87	3/4	2,091.79	3/4	2,451.64	3/4	2,811.42	3/4	3,170.49	3/4	3,518.14
10	300.03	10	659.95	10	1,019.74	10	1,379.43	10	1,739.36	10	2,099.28	10	2,459.14	10	2,818.90	10	3,177.93	10	3,522.17
1/4	307.53	1/4	667.45	1/4	1,027.23	1/4	1,386.93	1/4	1,746.86	1/4	2,106.78	1/4	2,466.63	1/4	2,826.38	1/4	3,185.38	1/4	3,526.20
1/2	315.03	1/2	674.95	1/2	1,034.72	1/2	1,394.43	1/2	1,754.36	1/2	2,114.28	1/2	2,474.13	1/2	2,833.87	1/2	3,192.83	1/2	3,530.24
3/4	322.53	3/4	682.44	3/4	1,042.20	3/4	1,401.93	3/4	1,761.86	3/4	2,121.77	3/4	2,481.63	3/4	2,841.35	3/4	3,200.28	3/4	3,534.27
11	330.02	11	689.94	11	1,049.69	11	1,409.43	11	1,769.36	11	2,129.27	11	2,489.12	11	2,848.83	11	3,207.73	11	3,538.30
1/4	337.52	1/4	697.44	1/4	1,057.18	1/4	1,416.92	1/4	1,776.86	1/4	2,136.77	1/4	2,496.62	1/4	2,856.32	1/4	3,215.18	1/4	3,542.33
1/2	345.02	1/2	704.94	1/2	1,064.67	1/2	1,424.42	1/2	1,784.36	1/2	2,144.27	1/2	2,504.12	1/2	2,863.80	1/2	3,222.62	1/2	3,546.36
3/4	352.52	3/4	712.44	3/4	1,072.16	3/4	1,431.92	3/4	1,791.85	3/4	2,151.76	3/4	2,511.61	3/4	2,871.28	3/4	3,230.07	3/4	3,550.40

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,554.43	0	3,747.98	0	3,941.54	0	4,132.52	0	4,313.84	0		0		0		0		0	
1/4	3,558.46	1/4	3,752.02	1/4	3,945.57	1/4	4,136.40	1/4	4,317.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,562.49	1/2	3,756.05	1/2	3,949.60	1/2	4,140.28	1/2	4,321.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,566.53	3/4	3,760.08	3/4	3,953.64	3/4	4,144.16	3/4	4,324.75	3/4		3/4		3/4		3/4		3/4	
1	3,570.56	1	3,764.11	1	3,957.67	1	4,148.05	1	4,328.39	1		1		1		1		1	
1/4	3,574.59	1/4	3,768.15	1/4	3,961.70	1/4	4,151.90	1/4	4,332.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,578.62	1/2	3,772.18	1/2	3,965.73	1/2	4,155.75	1/2	4,335.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,582.66	3/4	3,776.21	3/4	3,969.77	3/4	4,159.60	3/4	4,339.26	3/4		3/4		3/4		3/4		3/4	
2	3,586.69	2	3,780.24	2	3,973.80	2	4,163.45	2	4,342.88	2		2		2		2		2	
1/4	3,590.72	1/4	3,784.28	1/4	3,977.83	1/4	4,167.28	1/4	4,346.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,594.75	1/2	3,788.31	1/2	3,981.86	1/2	4,171.12	1/2	4,350.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,598.79	3/4	3,792.34	3/4	3,985.90	3/4	4,174.95	3/4	4,353.69	3/4		3/4		3/4		3/4		3/4	
3	3,602.82	3	3,796.37	3	3,989.93	3	4,178.79	3	4,357.30	3		3		3		3		3	
1/4	3,606.85	1/4	3,800.41	1/4	3,993.95	1/4	4,182.61	1/4	4,360.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,610.88	1/2	3,804.44	1/2	3,997.98	1/2	4,186.43	1/2	4,364.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,614.92	3/4	3,808.47	3/4	4,002.00	3/4	4,190.25	3/4	4,368.04	3/4		3/4		3/4		3/4		3/4	
4	3,618.95	4	3,812.50	4	4,006.03	4	4,194.07	4	4,371.61	4		4		4		4		4	
1/4	3,622.98	1/4	3,816.54	1/4	4,010.03	1/4	4,197.87	1/4	4,375.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,627.01	1/2	3,820.57	1/2	4,014.04	1/2	4,201.67	1/2	4,378.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,631.05	3/4	3,824.60	3/4	4,018.05	3/4	4,205.48	3/4	4,382.23	3/4		3/4		3/4		3/4		3/4	
5	3,635.08	5	3,828.63	5	4,022.06	5	4,209.28	5	4,385.77	5		5		5		5		5	
1/4	3,639.11	1/4	3,832.67	1/4	4,026.05	1/4	4,213.07	1/4	4,388.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,643.14	1/2	3,836.70	1/2	4,030.04	1/2	4,216.85	1/2	4,391.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,647.17	3/4	3,840.73	3/4	4,034.04	3/4	4,220.64	3/4	4,394.57	3/4		3/4		3/4		3/4		3/4	
6	3,651.21	6	3,844.76	6	4,038.03	6	4,224.43	6	4,397.50	6		6		6		6		6	
1/4	3,655.24	1/4	3,848.79	1/4	4,042.01	1/4	4,228.20	1/4	4,399.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,659.27	1/2	3,852.83	1/2	4,045.98	1/2	4,231.97	1/2	4,401.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,663.30	3/4	3,856.86	3/4	4,049.96	3/4	4,235.74	3/4	4,403.82	3/4		3/4		3/4		3/4		3/4	
7	3,667.34	7	3,860.89	7	4,053.94	7	4,239.52	7	4,405.92	7		7		7		7		7	
1/4	3,671.37	1/4	3,864.92	1/4	4,057.90	1/4	4,243.27	1/4	4,406.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,675.40	1/2	3,868.96	1/2	4,061.86	1/2	4,247.03	1/2	4,407.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,679.43	3/4	3,872.99	3/4	4,065.82	3/4	4,250.78	3/4	4,408.53	3/4		3/4		3/4		3/4		3/4	
8	3,683.47	8	3,877.02	8	4,069.78	8	4,254.54	8	4,409.40	8		8		8		8		8	
1/4	3,687.50	1/4	3,881.05	1/4	4,073.73	1/4	4,258.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,691.53	1/2	3,885.09	1/2	4,077.67	1/2	4,262.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.56	3/4	3,889.12	3/4	4,081.62	3/4	4,265.76	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,699.60	9	3,893.15	9	4,085.56	9	4,269.50	9		9		9		9		9		9	
1/4	3,703.63	1/4	3,897.18	1/4	4,089.49	1/4	4,273.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,707.66	1/2	3,901.22	1/2	4,093.42	1/2	4,276.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,711.69	3/4	3,905.25	3/4	4,097.35	3/4	4,280.67	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,715.73	10	3,909.28	10	4,101.28	10	4,284.39	10		10		10		10		10		10	
1/4	3,719.76	1/4	3,913.31	1/4	4,105.19	1/4	4,288.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,723.79	1/2	3,917.35	1/2	4,109.10	1/2	4,291.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,727.82	3/4	3,921.38	3/4	4,113.02	3/4	4,295.52	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,731.86	11	3,925.41	11	4,116.93	11	4,299.22	11		11		11		11		11		11	
1/4	3,735.89	1/4	3,929.44	1/4	4,120.83	1/4	4,302.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,739.92	1/2	3,933.48	1/2	4,124.72	1/2	4,306.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,743.95	3/4	3,937.51	3/4	4,128.62	3/4	4,310.19	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"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.80	0	359.54	0	718.94	0	1,066.62	0	1,419.57	0	1,778.38	0	2,137.66	0	2,496.88	0	2,855.90	0	3,213.85
1/4	27.17	1/4	367.02	1/4	726.43	1/4	1,073.77	1/4	1,427.00	1/4	1,785.87	1/4	2,145.14	1/4	2,504.37	1/4	2,863.37	1/4	3,221.29
1/2	31.55	1/2	374.51	1/2	733.92	1/2	1,080.92	1/2	1,434.42	1/2	1,793.36	1/2	2,152.63	1/2	2,511.85	1/2	2,870.84	1/2	3,228.72
3/4	35.92	3/4	382.00	3/4	741.40	3/4	1,088.07	3/4	1,441.85	3/4	1,800.84	3/4	2,160.11	3/4	2,519.33	3/4	2,878.31	3/4	3,236.16
1	40.29	1	389.49	1	748.89	1	1,095.22	1	1,449.27	1	1,808.33	1	2,167.60	1	2,526.82	1	2,885.78	1	3,243.59
1/4	45.91	1/4	396.97	1/4	756.38	1/4	1,102.37	1/4	1,456.69	1/4	1,815.81	1/4	2,175.08	1/4	2,534.30	1/4	2,893.24	1/4	3,251.03
1/2	51.52	1/2	404.46	1/2	763.87	1/2	1,109.52	1/2	1,464.12	1/2	1,823.30	1/2	2,182.56	1/2	2,541.79	1/2	2,900.71	1/2	3,258.47
3/4	57.13	3/4	411.95	3/4	771.35	3/4	1,116.67	3/4	1,471.54	3/4	1,830.78	3/4	2,190.05	3/4	2,549.27	3/4	2,908.17	3/4	3,265.90
2	62.74	2	419.44	2	778.84	2	1,123.82	2	1,478.96	2	1,838.27	2	2,197.53	2	2,556.75	2	2,915.63	2	3,273.34
1/4	69.59	1/4	426.92	1/4	786.33	1/4	1,130.97	1/4	1,486.45	1/4	1,845.75	1/4	2,205.02	1/4	2,564.24	1/4	2,923.09	1/4	3,280.77
1/2	76.44	1/2	434.41	1/2	793.82	1/2	1,138.12	1/2	1,493.94	1/2	1,853.24	1/2	2,212.50	1/2	2,571.72	1/2	2,930.55	1/2	3,288.21
3/4	83.30	3/4	441.90	3/4	801.30	3/4	1,145.27	3/4	1,501.42	3/4	1,860.72	3/4	2,219.98	3/4	2,579.21	3/4	2,938.02	3/4	3,295.64
3	90.15	3	449.39	3	808.79	3	1,152.42	3	1,508.91	3	1,868.21	3	2,227.47	3	2,586.69	3	2,945.48	3	3,303.08
1/4	97.60	1/4	456.88	1/4	816.00	1/4	1,159.85	1/4	1,516.39	1/4	1,875.70	1/4	2,234.95	1/4	2,594.17	1/4	2,952.94	1/4	3,310.53
1/2	105.05	1/2	464.36	1/2	823.20	1/2	1,167.29	1/2	1,523.88	1/2	1,883.18	1/2	2,242.43	1/2	2,601.65	1/2	2,960.40	1/2	3,317.98
3/4	112.50	3/4	471.85	3/4	830.40	3/4	1,174.72	3/4	1,531.36	3/4	1,890.67	3/4	2,249.92	3/4	2,609.14	3/4	2,967.86	3/4	3,325.43
4	119.96	4	479.34	4	837.61	4	1,182.16	4	1,538.85	4	1,898.15	4	2,257.40	4	2,616.62	4	2,975.33	4	3,332.88
1/4	127.44	1/4	486.83	1/4	844.78	1/4	1,189.56	1/4	1,546.33	1/4	1,905.64	1/4	2,264.89	1/4	2,624.10	1/4	2,982.79	1/4	3,340.33
1/2	134.92	1/2	494.31	1/2	851.96	1/2	1,196.96	1/2	1,553.82	1/2	1,913.12	1/2	2,272.37	1/2	2,631.58	1/2	2,990.25	1/2	3,347.78
3/4	142.41	3/4	501.80	3/4	859.13	3/4	1,204.37	3/4	1,561.30	3/4	1,920.61	3/4	2,279.85	3/4	2,639.06	3/4	2,997.71	3/4	3,355.23
5	149.89	5	509.29	5	866.31	5	1,211.77	5	1,568.79	5	1,928.09	5	2,287.34	5	2,646.55	5	3,005.17	5	3,362.69
1/4	157.38	1/4	516.78	1/4	873.48	1/4	1,219.18	1/4	1,576.28	1/4	1,935.58	1/4	2,294.82	1/4	2,654.03	1/4	3,012.64	1/4	3,370.14
1/2	164.86	1/2	524.26	1/2	880.66	1/2	1,226.59	1/2	1,583.76	1/2	1,943.07	1/2	2,302.30	1/2	2,661.51	1/2	3,020.10	1/2	3,377.59
3/4	172.35	3/4	531.75	3/4	887.84	3/4	1,234.00	3/4	1,591.25	3/4	1,950.55	3/4	2,309.79	3/4	2,668.99	3/4	3,027.56	3/4	3,385.04
6	179.83	6	539.24	6	895.01	6	1,241.40	6	1,598.73	6	1,958.04	6	2,317.27	6	2,676.48	6	3,035.02	6	3,392.49
1/4	187.32	1/4	546.73	1/4	902.16	1/4	1,248.83	1/4	1,606.22	1/4	1,965.52	1/4	2,324.76	1/4	2,683.96	1/4	3,042.48	1/4	3,399.94
1/2	194.81	1/2	554.21	1/2	909.32	1/2	1,256.25	1/2	1,613.70	1/2	1,973.01	1/2	2,332.24	1/2	2,691.44	1/2	3,049.95	1/2	3,407.39
3/4	202.30	3/4	561.70	3/4	916.47	3/4	1,263.67	3/4	1,621.19	3/4	1,980.49	3/4	2,339.72	3/4	2,698.92	3/4	3,057.41	3/4	3,414.84
7	209.78	7	569.19	7	923.62	7	1,271.10	7	1,628.67	7	1,987.98	7	2,347.21	7	2,706.40	7	3,064.87	7	3,422.29
1/4	217.27	1/4	576.68	1/4	930.77	1/4	1,278.52	1/4	1,636.16	1/4	1,995.46	1/4	2,354.69	1/4	2,713.89	1/4	3,072.34	1/4	3,429.74
1/2	224.76	1/2	584.16	1/2	937.92	1/2	1,285.95	1/2	1,643.65	1/2	2,002.95	1/2	2,362.18	1/2	2,721.37	1/2	3,079.81	1/2	3,437.19
3/4	232.25	3/4	591.65	3/4	945.07	3/4	1,293.37	3/4	1,651.13	3/4	2,010.43	3/4	2,369.66	3/4	2,728.85	3/4	3,087.28	3/4	3,444.64
8	239.73	8	599.14	8	952.22	8	1,300.79	8	1,658.62	8	2,017.92	8	2,377.14	8	2,736.33	8	3,094.75	8	3,452.10
1/4	247.22	1/4	606.63	1/4	959.37	1/4	1,308.22	1/4	1,666.10	1/4	2,025.40	1/4	2,384.63	1/4	2,743.82	1/4	3,102.22	1/4	3,459.55
1/2	254.71	1/2	614.11	1/2	966.52	1/2	1,315.64	1/2	1,673.59	1/2	2,032.89	1/2	2,392.11	1/2	2,751.30	1/2	3,109.69	1/2	3,467.00
3/4	262.20	3/4	621.60	3/4	973.67	3/4	1,323.06	3/4	1,681.07	3/4	2,040.37	3/4	2,399.59	3/4	2,758.79	3/4	3,117.16	3/4	3,474.45
9	269.69	9	629.09	9	980.82	9	1,330.49	9	1,688.56	9	2,047.86	9	2,407.08	9	2,766.27	9	3,124.63	9	3,481.90
1/4	277.17	1/4	636.58	1/4	987.97	1/4	1,337.91	1/4	1,696.04	1/4	2,055.34	1/4	2,414.56	1/4	2,773.74	1/4	3,132.06	1/4	3,489.32
1/2	284.66	1/2	644.07	1/2	995.12	1/2	1,345.34	1/2	1,703.53	1/2	2,062.82	1/2	2,422.05	1/2	2,781.21	1/2	3,139.50	1/2	3,489.94
3/4	292.15	3/4	651.55	3/4	1,002.27	3/4	1,352.76	3/4	1,711.01	3/4	2,070.31	3/4	2,429.53	3/4	2,788.68	3/4	3,146.93	3/4	3,493.96
10	299.64	10	659.04	10	1,009.42	10	1,360.18	10	1,718.50	10	2,077.79	10	2,437.01	10	2,796.15	10	3,154.37	10	3,497.98
1/4	307.12	1/4	666.53	1/4	1,016.57	1/4	1,367.61	1/4	1,725.99	1/4	2,085.27	1/4	2,444.50	1/4	2,803.62	1/4	3,161.81	1/4	3,501.99
1/2	314.61	1/2	674.02	1/2	1,023.72	1/2	1,375.03	1/2	1,733.47	1/2	2,092.76	1/2	2,451.98	1/2	2,811.09	1/2	3,169.24	1/2	3,506.01
3/4	322.10	3/4	681.50	3/4	1,030.87	3/4	1,382.45	3/4	1,740.96	3/4	2,100.24	3/4	2,459.46	3/4	2,818.56	3/4	3,176.68	3/4	3,510.03
11	329.59	11	688.99	11	1,038.02	11	1,389.88	11	1,748.44	11	2,107.73	11	2,466.95	11	2,826.03	11	3,184.11	11	3,514.05
1/4	337.07	1/4	696.48	1/4	1,045.17	1/4	1,397.30	1/4	1,755.93	1/4	2,115.21	1/4	2,474.43	1/4	2,833.50	1/4	3,191.55	1/4	3,518.07
1/2	344.56	1/2	703.97	1/2	1,052.32	1/2	1,404.73	1/2	1,763.41	1/2	2,122.69	1/2	2,481.92	1/2	2,840.97	1/2	3,198.98	1/2	3,522.09
3/4	352.05	3/4	711.45	3/4	1,059.47	3/4	1,412.15	3/4	1,770.90	3/4	2,130.18	3/4	2,489.40	3/4	2,848.43	3/4	3,206.42	3/4	3,526.11

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-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 STBD INNAGE 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	3,530.13	0	3,723.03	0	3,915.94	0	4,106.27	0	4,286.94	0		0		0		0		0	
1/4	3,534.15	1/4	3,727.05	1/4	3,919.96	1/4	4,110.14	1/4	4,290.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,538.16	1/2	3,731.07	1/2	3,923.98	1/2	4,114.00	1/2	4,294.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,542.18	3/4	3,735.09	3/4	3,928.00	3/4	4,117.87	3/4	4,297.81	3/4		3/4		3/4		3/4		3/4	
1	3,546.20	1	3,739.11	1	3,932.02	1	4,121.74	1	4,301.44	1		1		1		1		1	
1/4	3,550.22	1/4	3,743.13	1/4	3,936.04	1/4	4,125.58	1/4	4,305.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,554.24	1/2	3,747.15	1/2	3,940.05	1/2	4,129.42	1/2	4,308.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,558.26	3/4	3,751.17	3/4	3,944.07	3/4	4,133.25	3/4	4,312.26	3/4		3/4		3/4		3/4		3/4	
2	3,562.28	2	3,755.18	2	3,948.09	2	4,137.09	2	4,315.87	2		2		2		2		2	
1/4	3,566.30	1/4	3,759.20	1/4	3,952.11	1/4	4,140.91	1/4	4,319.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,570.32	1/2	3,763.22	1/2	3,956.13	1/2	4,144.73	1/2	4,323.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,574.33	3/4	3,767.24	3/4	3,960.15	3/4	4,148.56	3/4	4,326.64	3/4		3/4		3/4		3/4		3/4	
3	3,578.35	3	3,771.26	3	3,964.17	3	4,152.38	3	4,330.23	3		3		3		3		3	
1/4	3,582.37	1/4	3,775.28	1/4	3,968.18	1/4	4,156.18	1/4	4,333.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,586.39	1/2	3,779.30	1/2	3,972.19	1/2	4,159.99	1/2	4,337.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,590.41	3/4	3,783.32	3/4	3,976.20	3/4	4,163.79	3/4	4,340.93	3/4		3/4		3/4		3/4		3/4	
4	3,594.43	4	3,787.34	4	3,980.21	4	4,167.60	4	4,344.50	4		4		4		4		4	
1/4	3,598.45	1/4	3,791.35	1/4	3,984.20	1/4	4,171.39	1/4	4,348.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,602.47	1/2	3,795.37	1/2	3,988.20	1/2	4,175.18	1/2	4,351.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,606.49	3/4	3,799.39	3/4	3,992.19	3/4	4,178.97	3/4	4,355.07	3/4		3/4		3/4		3/4		3/4	
5	3,610.50	5	3,803.41	5	3,996.19	5	4,182.76	5	4,358.60	5		5		5		5		5	
1/4	3,614.52	1/4	3,807.43	1/4	4,000.17	1/4	4,186.53	1/4	4,361.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,618.54	1/2	3,811.45	1/2	4,004.15	1/2	4,190.31	1/2	4,364.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,622.56	3/4	3,815.47	3/4	4,008.13	3/4	4,194.08	3/4	4,367.36	3/4		3/4		3/4		3/4		3/4	
6	3,626.58	6	3,819.49	6	4,012.10	6	4,197.85	6	4,370.27	6		6		6		6		6	
1/4	3,630.60	1/4	3,823.51	1/4	4,016.07	1/4	4,201.61	1/4	4,372.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,634.62	1/2	3,827.52	1/2	4,020.03	1/2	4,205.37	1/2	4,374.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,638.64	3/4	3,831.54	3/4	4,023.99	3/4	4,209.13	3/4	4,376.55	3/4		3/4		3/4		3/4		3/4	
7	3,642.66	7	3,835.56	7	4,027.96	7	4,212.89	7	4,378.64	7		7		7		7		7	
1/4	3,646.67	1/4	3,839.58	1/4	4,031.90	1/4	4,216.63	1/4	4,379.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,650.69	1/2	3,843.60	1/2	4,035.85	1/2	4,220.37	1/2	4,380.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,654.71	3/4	3,847.62	3/4	4,039.80	3/4	4,224.11	3/4	4,381.21	3/4		3/4		3/4		3/4		3/4	
8	3,658.73	8	3,851.64	8	4,043.75	8	4,227.86	8	4,382.06	8		8		8		8		8	
1/4	3,662.75	1/4	3,855.66	1/4	4,047.68	1/4	4,231.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,666.77	1/2	3,859.68	1/2	4,051.61	1/2	4,235.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,670.79	3/4	3,863.69	3/4	4,055.54	3/4	4,239.03	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,674.81	9	3,867.71	9	4,059.47	9	4,242.76	9		9		9		9		9		9	
1/4	3,678.83	1/4	3,871.73	1/4	4,063.39	1/4	4,246.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,682.84	1/2	3,875.75	1/2	4,067.30	1/2	4,250.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,686.86	3/4	3,879.77	3/4	4,071.22	3/4	4,253.89	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,690.88	10	3,883.79	10	4,075.14	10	4,257.60	10		10		10		10		10		10	
1/4	3,694.90	1/4	3,887.81	1/4	4,079.03	1/4	4,261.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,698.92	1/2	3,891.83	1/2	4,082.93	1/2	4,264.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,702.94	3/4	3,895.85	3/4	4,086.83	3/4	4,268.68	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,706.96	11	3,899.87	11	4,090.73	11	4,272.38	11		11		11		11		11		11	
1/4	3,710.98	1/4	3,903.88	1/4	4,094.62	1/4	4,276.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,715.00	1/2	3,907.90	1/2	4,098.50	1/2	4,279.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,719.01	3/4	3,911.92	3/4	4,102.39	3/4	4,283.30	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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