



BARGE "HBC 303"

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 23, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 303"

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	22.98	0	363.00	0	725.91	0	1,088.59	0	1,451.27	0	1,814.19	0	2,177.11	0	2,540.04	0	2,902.86	0	3,265.66
1/4	27.39	1/4	370.56	1/4	733.47	1/4	1,096.13	1/4	1,458.83	1/4	1,821.75	1/4	2,184.67	1/4	2,547.60	1/4	2,910.42	1/4	3,273.21
1/2	31.80	1/2	378.13	1/2	741.03	1/2	1,103.68	1/2	1,466.39	1/2	1,829.31	1/2	2,192.23	1/2	2,555.16	1/2	2,917.98	1/2	3,280.77
3/4	36.21	3/4	385.69	3/4	748.59	3/4	1,111.23	3/4	1,473.95	3/4	1,836.87	3/4	2,199.80	3/4	2,562.72	3/4	2,925.54	3/4	3,288.33
1	40.62	1	393.25	1	756.16	1	1,118.78	1	1,481.51	1	1,844.43	1	2,207.36	1	2,570.28	1	2,933.09	1	3,295.89
1/4	46.29	1/4	400.81	1/4	763.72	1/4	1,126.33	1/4	1,489.07	1/4	1,851.99	1/4	2,214.92	1/4	2,577.84	1/4	2,940.65	1/4	3,303.45
1/2	51.96	1/2	408.37	1/2	771.28	1/2	1,133.88	1/2	1,496.63	1/2	1,859.56	1/2	2,222.48	1/2	2,585.40	1/2	2,948.21	1/2	3,311.00
3/4	57.63	3/4	415.93	3/4	778.84	3/4	1,141.43	3/4	1,504.19	3/4	1,867.12	3/4	2,230.04	3/4	2,592.96	3/4	2,955.77	3/4	3,318.56
2	63.30	2	423.49	2	786.40	2	1,148.98	2	1,511.75	2	1,874.68	2	2,237.60	2	2,600.52	2	2,963.33	2	3,326.12
1/4	70.23	1/4	431.05	1/4	793.96	1/4	1,156.52	1/4	1,519.31	1/4	1,882.24	1/4	2,245.16	1/4	2,608.08	1/4	2,970.89	1/4	3,333.68
1/2	77.15	1/2	438.61	1/2	801.52	1/2	1,164.07	1/2	1,526.88	1/2	1,889.80	1/2	2,252.72	1/2	2,615.65	1/2	2,978.44	1/2	3,341.24
3/4	84.08	3/4	446.17	3/4	809.08	3/4	1,171.62	3/4	1,534.44	3/4	1,897.36	3/4	2,260.28	3/4	2,623.21	3/4	2,986.00	3/4	3,348.80
3	91.01	3	453.73	3	816.64	3	1,179.17	3	1,542.00	3	1,904.92	3	2,267.84	3	2,630.77	3	2,993.56	3	3,356.35
1/4	98.54	1/4	461.29	1/4	824.20	1/4	1,186.72	1/4	1,549.56	1/4	1,912.48	1/4	2,275.40	1/4	2,638.33	1/4	3,001.12	1/4	3,363.91
1/2	106.06	1/2	468.85	1/2	831.76	1/2	1,194.27	1/2	1,557.12	1/2	1,920.04	1/2	2,282.97	1/2	2,645.88	1/2	3,008.68	1/2	3,371.47
3/4	113.59	3/4	476.41	3/4	839.32	3/4	1,201.82	3/4	1,564.68	3/4	1,927.60	3/4	2,290.53	3/4	2,653.44	3/4	3,016.24	3/4	3,379.03
4	121.11	4	483.97	4	846.88	4	1,209.37	4	1,572.24	4	1,935.16	4	2,298.09	4	2,661.00	4	3,023.79	4	3,386.59
1/4	128.66	1/4	491.53	1/4	854.44	1/4	1,216.92	1/4	1,579.80	1/4	1,942.73	1/4	2,305.65	1/4	2,668.56	1/4	3,031.35	1/4	3,394.15
1/2	136.21	1/2	499.09	1/2	862.00	1/2	1,224.46	1/2	1,587.36	1/2	1,950.29	1/2	2,313.21	1/2	2,676.12	1/2	3,038.91	1/2	3,401.70
3/4	143.76	3/4	506.66	3/4	869.56	3/4	1,232.01	3/4	1,594.92	3/4	1,957.85	3/4	2,320.77	3/4	2,683.67	3/4	3,046.47	3/4	3,409.26
5	151.31	5	514.22	5	877.12	5	1,239.56	5	1,602.48	5	1,965.41	5	2,328.33	5	2,691.23	5	3,054.03	5	3,416.82
1/4	158.87	1/4	521.78	1/4	884.69	1/4	1,247.12	1/4	1,610.05	1/4	1,972.97	1/4	2,335.89	1/4	2,698.79	1/4	3,061.58	1/4	3,424.38
1/2	166.43	1/2	529.34	1/2	892.25	1/2	1,254.68	1/2	1,617.61	1/2	1,980.53	1/2	2,343.45	1/2	2,706.35	1/2	3,069.14	1/2	3,431.94
3/4	173.99	3/4	536.90	3/4	899.81	3/4	1,262.24	3/4	1,625.17	3/4	1,988.09	3/4	2,351.01	3/4	2,713.91	3/4	3,076.70	3/4	3,439.49
6	181.55	6	544.46	6	907.37	6	1,269.81	6	1,632.73	6	1,995.65	6	2,358.57	6	2,721.47	6	3,084.26	6	3,447.05
1/4	189.11	1/4	552.02	1/4	914.93	1/4	1,277.37	1/4	1,640.29	1/4	2,003.21	1/4	2,366.14	1/4	2,729.02	1/4	3,091.82	1/4	3,454.61
1/2	196.67	1/2	559.58	1/2	922.49	1/2	1,284.93	1/2	1,647.85	1/2	2,010.77	1/2	2,373.70	1/2	2,736.58	1/2	3,099.38	1/2	3,462.17
3/4	204.23	3/4	567.14	3/4	930.05	3/4	1,292.49	3/4	1,655.41	3/4	2,018.33	3/4	2,381.26	3/4	2,744.14	3/4	3,106.93	3/4	3,469.73
7	211.79	7	574.70	7	937.61	7	1,300.05	7	1,662.97	7	2,025.90	7	2,388.82	7	2,751.70	7	3,114.49	7	3,477.29
1/4	219.35	1/4	582.26	1/4	945.16	1/4	1,307.61	1/4	1,670.53	1/4	2,033.46	1/4	2,396.38	1/4	2,759.26	1/4	3,122.05	1/4	3,484.84
1/2	226.91	1/2	589.82	1/2	952.71	1/2	1,315.17	1/2	1,678.09	1/2	2,041.02	1/2	2,403.94	1/2	2,766.81	1/2	3,129.61	1/2	3,492.40
3/4	234.47	3/4	597.38	3/4	960.26	3/4	1,322.73	3/4	1,685.65	3/4	2,048.58	3/4	2,411.50	3/4	2,774.37	3/4	3,137.17	3/4	3,499.96
8	242.03	8	604.94	8	967.80	8	1,330.29	8	1,693.22	8	2,056.14	8	2,419.06	8	2,781.93	8	3,144.72	8	3,507.52
1/4	249.59	1/4	612.50	1/4	975.35	1/4	1,337.85	1/4	1,700.78	1/4	2,063.70	1/4	2,426.62	1/4	2,789.49	1/4	3,152.28	1/4	3,515.08
1/2	257.16	1/2	620.06	1/2	982.90	1/2	1,345.41	1/2	1,708.34	1/2	2,071.26	1/2	2,434.18	1/2	2,797.05	1/2	3,159.84	1/2	3,522.63
3/4	264.72	3/4	627.62	3/4	990.45	3/4	1,352.97	3/4	1,715.90	3/4	2,078.82	3/4	2,441.74	3/4	2,804.61	3/4	3,167.40	3/4	3,530.19
9	272.28	9	635.19	9	998.00	9	1,360.54	9	1,723.46	9	2,086.38	9	2,449.31	9	2,812.16	9	3,174.96	9	3,537.75
1/4	279.84	1/4	642.75	1/4	1,005.55	1/4	1,368.10	1/4	1,731.02	1/4	2,093.94	1/4	2,456.87	1/4	2,819.72	1/4	3,182.52	1/4	3,545.31
1/2	287.40	1/2	650.31	1/2	1,013.10	1/2	1,375.66	1/2	1,738.58	1/2	2,101.50	1/2	2,464.43	1/2	2,827.28	1/2	3,190.07	1/2	3,552.87
3/4	294.96	3/4	657.87	3/4	1,020.65	3/4	1,383.22	3/4	1,746.14	3/4	2,109.06	3/4	2,471.99	3/4	2,834.84	3/4	3,197.63	3/4	3,560.43
10	302.52	10	665.43	10	1,028.20	10	1,390.78	10	1,753.70	10	2,116.63	10	2,479.55	10	2,842.40	10	3,205.19	10	3,567.98
1/4	310.08	1/4	672.99	1/4	1,035.74	1/4	1,398.34	1/4	1,761.26	1/4	2,124.19	1/4	2,487.11	1/4	2,849.95	1/4	3,212.75	1/4	3,575.54
1/2	317.64	1/2	680.55	1/2	1,043.29	1/2	1,405.90	1/2	1,768.82	1/2	2,131.75	1/2	2,494.67	1/2	2,857.51	1/2	3,220.31	1/2	3,583.10
3/4	325.20	3/4	688.11	3/4	1,050.84	3/4	1,413.46	3/4	1,776.39	3/4	2,139.31	3/4	2,502.23	3/4	2,865.07	3/4	3,227.86	3/4	3,590.66
11	332.76	11	695.67	11	1,058.39	11	1,421.02	11	1,783.95	11	2,146.87	11	2,509.79	11	2,872.63	11	3,235.42	11	3,598.22
1/4	340.32	1/4	703.23	1/4	1,065.94	1/4	1,428.58	1/4	1,791.51	1/4	2,154.43	1/4	2,517.35	1/4	2,880.19	1/4	3,242.98	1/4	3,605.77
1/2	347.88	1/2	710.79	1/2	1,073.49	1/2	1,436.14	1/2	1,799.07	1/2	2,161.99	1/2	2,524.91	1/2	2,887.75	1/2	3,250.54	1/2	3,613.33
3/4	355.44	3/4	718.35	3/4	1,081.04	3/4	1,443.71	3/4	1,806.63	3/4	2,169.55	3/4	2,532.48	3/4	2,895.30	3/4	3,258.10	3/4	3,620.89

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "HBC 303"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

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	3,628.45	0	3,991.24	0	4,354.04	0	4,711.99	0	5,051.74	0		0		0		0		0	
1/4	3,636.01	1/4	3,998.80	1/4	4,361.59	1/4	4,719.27	1/4	5,058.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,643.57	1/2	4,006.36	1/2	4,369.15	1/2	4,726.54	1/2	5,065.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,651.12	3/4	4,013.92	3/4	4,376.71	3/4	4,733.81	3/4	5,072.20	3/4		3/4		3/4		3/4		3/4	
1	3,658.68	1	4,021.48	1	4,384.27	1	4,741.09	1	5,079.01	1		1		1		1		1	
1/4	3,666.24	1/4	4,029.03	1/4	4,391.83	1/4	4,748.30	1/4	5,085.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.80	1/2	4,036.59	1/2	4,399.39	1/2	4,755.52	1/2	5,092.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,681.36	3/4	4,044.15	3/4	4,406.94	3/4	4,762.74	3/4	5,099.38	3/4		3/4		3/4		3/4		3/4	
2	3,688.91	2	4,051.71	2	4,414.50	2	4,769.95	2	5,106.16	2		2		2		2		2	
1/4	3,696.47	1/4	4,059.27	1/4	4,422.06	1/4	4,777.14	1/4	5,112.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,704.03	1/2	4,066.82	1/2	4,429.62	1/2	4,784.32	1/2	5,119.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,711.59	3/4	4,074.38	3/4	4,437.18	3/4	4,791.51	3/4	5,126.43	3/4		3/4		3/4		3/4		3/4	
3	3,719.15	3	4,081.94	3	4,444.74	3	4,798.69	3	5,133.19	3		3		3		3		3	
1/4	3,726.71	1/4	4,089.50	1/4	4,452.28	1/4	4,805.85	1/4	5,139.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,734.26	1/2	4,097.06	1/2	4,459.82	1/2	4,813.01	1/2	5,146.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,741.82	3/4	4,104.62	3/4	4,467.36	3/4	4,820.16	3/4	5,153.34	3/4		3/4		3/4		3/4		3/4	
4	3,749.38	4	4,112.17	4	4,474.91	4	4,827.32	4	5,160.06	4		4		4		4		4	
1/4	3,756.94	1/4	4,119.73	1/4	4,482.42	1/4	4,834.44	1/4	5,166.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,764.50	1/2	4,127.29	1/2	4,489.93	1/2	4,841.57	1/2	5,173.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,772.06	3/4	4,134.85	3/4	4,497.45	3/4	4,848.69	3/4	5,180.05	3/4		3/4		3/4		3/4		3/4	
5	3,779.61	5	4,142.41	5	4,504.96	5	4,855.82	5	5,186.71	5		5		5		5		5	
1/4	3,787.17	1/4	4,149.97	1/4	4,512.44	1/4	4,862.92	1/4	5,192.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,794.73	1/2	4,157.52	1/2	4,519.93	1/2	4,870.01	1/2	5,198.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,802.29	3/4	4,165.08	3/4	4,527.41	3/4	4,877.11	3/4	5,204.82	3/4		3/4		3/4		3/4		3/4	
6	3,809.85	6	4,172.64	6	4,534.90	6	4,884.20	6	5,210.86	6		6		6		6		6	
1/4	3,817.40	1/4	4,180.20	1/4	4,542.35	1/4	4,891.27	1/4	5,216.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,824.96	1/2	4,187.76	1/2	4,549.80	1/2	4,898.34	1/2	5,221.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,832.52	3/4	4,195.31	3/4	4,557.26	3/4	4,905.40	3/4	5,227.56	3/4		3/4		3/4		3/4		3/4	
7	3,840.08	7	4,202.87	7	4,564.71	7	4,912.47	7	5,233.13	7		7		7		7		7	
1/4	3,847.64	1/4	4,210.43	1/4	4,572.13	1/4	4,919.51	1/4	5,237.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,855.20	1/2	4,217.99	1/2	4,579.56	1/2	4,926.54	1/2	5,241.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,862.75	3/4	4,225.55	3/4	4,586.98	3/4	4,933.58	3/4	5,246.14	3/4		3/4		3/4		3/4		3/4	
8	3,870.31	8	4,233.11	8	4,594.41	8	4,940.61	8	5,250.48	8		8		8		8		8	
1/4	3,877.87	1/4	4,240.66	1/4	4,601.80	1/4	4,947.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,885.43	1/2	4,248.22	1/2	4,609.19	1/2	4,954.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,892.99	3/4	4,255.78	3/4	4,616.59	3/4	4,961.63	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,900.54	9	4,263.34	9	4,623.98	9	4,968.64	9		9		9		9		9		9	
1/4	3,908.10	1/4	4,270.90	1/4	4,631.35	1/4	4,975.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,915.66	1/2	4,278.45	1/2	4,638.71	1/2	4,982.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,923.22	3/4	4,286.01	3/4	4,646.07	3/4	4,989.58	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,930.78	10	4,293.57	10	4,653.44	10	4,996.56	10		10		10		10		10		10	
1/4	3,938.34	1/4	4,301.13	1/4	4,660.77	1/4	5,003.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,945.89	1/2	4,308.69	1/2	4,668.11	1/2	5,010.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,953.45	3/4	4,316.25	3/4	4,675.44	3/4	5,017.40	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,961.01	11	4,323.80	11	4,682.77	11	5,024.35	11		11		11		11		11		11	
1/4	3,968.57	1/4	4,331.36	1/4	4,690.08	1/4	5,031.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,976.13	1/2	4,338.92	1/2	4,697.38	1/2	5,038.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,983.68	3/4	4,346.48	3/4	4,704.69	3/4	5,044.90	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HBC 303"

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	22.98	0	363.00	0	725.91	0	1,087.64	0	1,449.37	0	1,812.29	0	2,175.21	0	2,538.14	0	2,900.96	0	3,263.76
1/4	27.39	1/4	370.56	1/4	733.47	1/4	1,095.15	1/4	1,456.93	1/4	1,819.85	1/4	2,182.77	1/4	2,545.70	1/4	2,908.52	1/4	3,271.31
1/2	31.80	1/2	378.13	1/2	741.03	1/2	1,102.66	1/2	1,464.49	1/2	1,827.41	1/2	2,190.33	1/2	2,553.26	1/2	2,916.08	1/2	3,278.87
3/4	36.21	3/4	385.69	3/4	748.59	3/4	1,110.17	3/4	1,472.05	3/4	1,834.97	3/4	2,197.90	3/4	2,560.82	3/4	2,923.64	3/4	3,286.43
1	40.62	1	393.25	1	756.16	1	1,117.67	1	1,479.61	1	1,842.53	1	2,205.46	1	2,568.38	1	2,931.19	1	3,293.99
1/4	46.29	1/4	400.81	1/4	763.72	1/4	1,125.18	1/4	1,487.17	1/4	1,850.09	1/4	2,213.02	1/4	2,575.94	1/4	2,938.75	1/4	3,301.55
1/2	51.96	1/2	408.37	1/2	771.28	1/2	1,132.69	1/2	1,494.73	1/2	1,857.65	1/2	2,220.58	1/2	2,583.50	1/2	2,946.31	1/2	3,309.10
3/4	57.63	3/4	415.93	3/4	778.84	3/4	1,140.20	3/4	1,502.29	3/4	1,865.22	3/4	2,228.14	3/4	2,591.06	3/4	2,953.87	3/4	3,316.66
2	63.30	2	423.49	2	786.40	2	1,147.71	2	1,509.85	2	1,872.78	2	2,235.70	2	2,598.62	2	2,961.43	2	3,324.22
1/4	70.23	1/4	431.05	1/4	793.96	1/4	1,155.22	1/4	1,517.41	1/4	1,880.34	1/4	2,243.26	1/4	2,606.18	1/4	2,968.99	1/4	3,331.78
1/2	77.15	1/2	438.61	1/2	801.52	1/2	1,162.73	1/2	1,524.98	1/2	1,887.90	1/2	2,250.82	1/2	2,613.74	1/2	2,976.54	1/2	3,339.34
3/4	84.08	3/4	446.17	3/4	809.08	3/4	1,170.24	3/4	1,532.54	3/4	1,895.46	3/4	2,258.38	3/4	2,621.31	3/4	2,984.10	3/4	3,346.90
3	91.01	3	453.73	3	816.64	3	1,177.75	3	1,540.10	3	1,903.02	3	2,265.94	3	2,628.87	3	2,991.66	3	3,354.45
1/4	98.54	1/4	461.29	1/4	824.20	1/4	1,185.26	1/4	1,547.66	1/4	1,910.58	1/4	2,273.50	1/4	2,636.42	1/4	2,999.22	1/4	3,362.01
1/2	106.06	1/2	468.85	1/2	831.76	1/2	1,192.77	1/2	1,555.22	1/2	1,918.14	1/2	2,281.06	1/2	2,643.98	1/2	3,006.78	1/2	3,369.57
3/4	113.59	3/4	476.41	3/4	839.32	3/4	1,200.27	3/4	1,562.78	3/4	1,925.70	3/4	2,288.63	3/4	2,651.54	3/4	3,014.33	3/4	3,377.13
4	121.11	4	483.97	4	846.88	4	1,207.78	4	1,570.34	4	1,933.26	4	2,296.19	4	2,659.10	4	3,021.89	4	3,384.69
1/4	128.66	1/4	491.53	1/4	854.44	1/4	1,215.29	1/4	1,577.90	1/4	1,940.82	1/4	2,303.75	1/4	2,666.66	1/4	3,029.45	1/4	3,392.24
1/2	136.21	1/2	499.09	1/2	862.00	1/2	1,222.80	1/2	1,585.46	1/2	1,948.39	1/2	2,311.31	1/2	2,674.22	1/2	3,037.01	1/2	3,399.80
3/4	143.76	3/4	506.66	3/4	869.56	3/4	1,230.31	3/4	1,593.02	3/4	1,955.95	3/4	2,318.87	3/4	2,681.77	3/4	3,044.57	3/4	3,407.36
5	151.31	5	514.22	5	877.12	5	1,237.82	5	1,600.58	5	1,963.51	5	2,326.43	5	2,689.33	5	3,052.13	5	3,414.92
1/4	158.87	1/4	521.78	1/4	884.69	1/4	1,245.34	1/4	1,608.14	1/4	1,971.07	1/4	2,333.99	1/4	2,696.89	1/4	3,059.68	1/4	3,422.48
1/2	166.43	1/2	529.34	1/2	892.25	1/2	1,252.86	1/2	1,615.71	1/2	1,978.63	1/2	2,341.55	1/2	2,704.45	1/2	3,067.24	1/2	3,430.04
3/4	173.99	3/4	536.90	3/4	899.81	3/4	1,260.38	3/4	1,623.27	3/4	1,986.19	3/4	2,349.11	3/4	2,712.01	3/4	3,074.80	3/4	3,437.59
6	181.55	6	544.46	6	907.37	6	1,267.90	6	1,630.83	6	1,993.75	6	2,356.67	6	2,719.56	6	3,082.36	6	3,445.15
1/4	189.11	1/4	552.02	1/4	914.89	1/4	1,275.47	1/4	1,638.39	1/4	2,001.31	1/4	2,364.23	1/4	2,727.12	1/4	3,089.92	1/4	3,452.71
1/2	196.67	1/2	559.58	1/2	922.41	1/2	1,283.03	1/2	1,645.95	1/2	2,008.87	1/2	2,371.80	1/2	2,734.68	1/2	3,097.47	1/2	3,460.27
3/4	204.23	3/4	567.14	3/4	929.93	3/4	1,290.59	3/4	1,653.51	3/4	2,016.43	3/4	2,379.36	3/4	2,742.24	3/4	3,105.03	3/4	3,467.83
7	211.79	7	574.70	7	937.46	7	1,298.15	7	1,661.07	7	2,023.99	7	2,386.92	7	2,749.80	7	3,112.59	7	3,475.38
1/4	219.35	1/4	582.26	1/4	944.97	1/4	1,305.71	1/4	1,668.63	1/4	2,031.56	1/4	2,394.48	1/4	2,757.36	1/4	3,120.15	1/4	3,482.94
1/2	226.91	1/2	589.82	1/2	952.47	1/2	1,313.27	1/2	1,676.19	1/2	2,039.12	1/2	2,402.04	1/2	2,764.91	1/2	3,127.71	1/2	3,490.50
3/4	234.47	3/4	597.38	3/4	959.98	3/4	1,320.83	3/4	1,683.75	3/4	2,046.68	3/4	2,409.60	3/4	2,772.47	3/4	3,135.27	3/4	3,498.06
8	242.03	8	604.94	8	967.49	8	1,328.39	8	1,691.31	8	2,054.24	8	2,417.16	8	2,780.03	8	3,142.82	8	3,505.62
1/4	249.60	1/4	612.50	1/4	975.00	1/4	1,335.95	1/4	1,698.88	1/4	2,061.80	1/4	2,424.72	1/4	2,787.59	1/4	3,150.38	1/4	3,513.18
1/2	257.16	1/2	620.06	1/2	982.51	1/2	1,343.51	1/2	1,706.44	1/2	2,069.36	1/2	2,432.28	1/2	2,795.15	1/2	3,157.94	1/2	3,520.73
3/4	264.72	3/4	627.63	3/4	990.02	3/4	1,351.07	3/4	1,714.00	3/4	2,076.92	3/4	2,439.84	3/4	2,802.70	3/4	3,165.50	3/4	3,528.29
9	272.28	9	635.19	9	997.53	9	1,358.64	9	1,721.56	9	2,084.48	9	2,447.40	9	2,810.26	9	3,173.06	9	3,535.85
1/4	279.84	1/4	642.75	1/4	1,005.04	1/4	1,366.20	1/4	1,729.12	1/4	2,092.04	1/4	2,454.97	1/4	2,817.82	1/4	3,180.61	1/4	3,543.41
1/2	287.40	1/2	650.31	1/2	1,012.55	1/2	1,373.76	1/2	1,736.68	1/2	2,099.60	1/2	2,462.53	1/2	2,825.38	1/2	3,188.17	1/2	3,550.97
3/4	294.96	3/4	657.87	3/4	1,020.06	3/4	1,381.32	3/4	1,744.24	3/4	2,107.16	3/4	2,470.09	3/4	2,832.94	3/4	3,195.73	3/4	3,558.52
10	302.52	10	665.43	10	1,027.57	10	1,388.88	10	1,751.80	10	2,114.73	10	2,477.65	10	2,840.50	10	3,203.29	10	3,566.08
1/4	310.08	1/4	672.99	1/4	1,035.07	1/4	1,396.44	1/4	1,759.36	1/4	2,122.29	1/4	2,485.21	1/4	2,848.05	1/4	3,210.85	1/4	3,573.64
1/2	317.64	1/2	680.55	1/2	1,042.58	1/2	1,404.00	1/2	1,766.92	1/2	2,129.85	1/2	2,492.77	1/2	2,855.61	1/2	3,218.41	1/2	3,581.20
3/4	325.20	3/4	688.11	3/4	1,050.09	3/4	1,411.56	3/4	1,774.48	3/4	2,137.41	3/4	2,500.33	3/4	2,863.17	3/4	3,225.96	3/4	3,588.76
11	332.76	11	695.67	11	1,057.60	11	1,419.12	11	1,782.05	11	2,144.97	11	2,507.89	11	2,870.73	11	3,233.52	11	3,596.32
1/4	340.32	1/4	703.23	1/4	1,065.11	1/4	1,426.68	1/4	1,789.61	1/4	2,152.53	1/4	2,515.45	1/4	2,878.29	1/4	3,241.08	1/4	3,603.87
1/2	347.88	1/2	710.79	1/2	1,072.62	1/2	1,434.24	1/2	1,797.17	1/2	2,160.09	1/2	2,523.01	1/2	2,885.85	1/2	3,248.64	1/2	3,611.43
3/4	355.44	3/4	718.35	3/4	1,080.13	3/4	1,441.81	3/4	1,804.73	3/4	2,167.65	3/4	2,530.57	3/4	2,893.40	3/4	3,256.20	3/4	3,618.99

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "HBC 303"

**1 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.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,626.55	0	3,989.34	0	4,352.14	0	4,710.09	0	5,049.84	0		0		0		0		0	
1/4	3,634.11	1/4	3,996.90	1/4	4,359.69	1/4	4,717.37	1/4	5,056.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,641.67	1/2	4,004.46	1/2	4,367.25	1/2	4,724.64	1/2	5,063.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,649.22	3/4	4,012.02	3/4	4,374.81	3/4	4,731.91	3/4	5,070.29	3/4		3/4		3/4		3/4		3/4	
1	3,656.78	1	4,019.58	1	4,382.37	1	4,739.19	1	5,077.11	1		1		1		1		1	
1/4	3,664.34	1/4	4,027.13	1/4	4,389.93	1/4	4,746.40	1/4	5,083.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,671.90	1/2	4,034.69	1/2	4,397.49	1/2	4,753.62	1/2	5,090.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,679.46	3/4	4,042.25	3/4	4,405.04	3/4	4,760.83	3/4	5,097.47	3/4		3/4		3/4		3/4		3/4	
2	3,687.01	2	4,049.81	2	4,412.60	2	4,768.05	2	5,104.26	2		2		2		2		2	
1/4	3,694.57	1/4	4,057.37	1/4	4,420.16	1/4	4,775.24	1/4	5,111.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,702.13	1/2	4,064.92	1/2	4,427.72	1/2	4,782.42	1/2	5,117.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,709.69	3/4	4,072.48	3/4	4,435.28	3/4	4,789.61	3/4	5,124.53	3/4		3/4		3/4		3/4		3/4	
3	3,717.25	3	4,080.04	3	4,442.83	3	4,796.79	3	5,131.29	3		3		3		3		3	
1/4	3,724.81	1/4	4,087.60	1/4	4,450.38	1/4	4,803.95	1/4	5,138.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,732.36	1/2	4,095.16	1/2	4,457.92	1/2	4,811.10	1/2	5,144.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,739.92	3/4	4,102.72	3/4	4,465.46	3/4	4,818.26	3/4	5,151.44	3/4		3/4		3/4		3/4		3/4	
4	3,747.48	4	4,110.27	4	4,473.01	4	4,825.42	4	5,158.16	4		4		4		4		4	
1/4	3,755.04	1/4	4,117.83	1/4	4,480.52	1/4	4,832.54	1/4	5,164.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,762.60	1/2	4,125.39	1/2	4,488.03	1/2	4,839.67	1/2	5,171.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,770.15	3/4	4,132.95	3/4	4,495.55	3/4	4,846.79	3/4	5,178.15	3/4		3/4		3/4		3/4		3/4	
5	3,777.71	5	4,140.51	5	4,503.06	5	4,853.92	5	5,184.81	5		5		5		5		5	
1/4	3,785.27	1/4	4,148.06	1/4	4,510.54	1/4	4,861.02	1/4	5,190.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,792.83	1/2	4,155.62	1/2	4,518.03	1/2	4,868.11	1/2	5,196.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,800.39	3/4	4,163.18	3/4	4,525.51	3/4	4,875.21	3/4	5,202.92	3/4		3/4		3/4		3/4		3/4	
6	3,807.95	6	4,170.74	6	4,532.99	6	4,882.30	6	5,208.95	6		6		6		6		6	
1/4	3,815.50	1/4	4,178.30	1/4	4,540.45	1/4	4,889.37	1/4	5,214.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,823.06	1/2	4,185.86	1/2	4,547.90	1/2	4,896.44	1/2	5,220.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,830.62	3/4	4,193.41	3/4	4,555.36	3/4	4,903.50	3/4	5,225.66	3/4		3/4		3/4		3/4		3/4	
7	3,838.18	7	4,200.97	7	4,562.81	7	4,910.57	7	5,231.23	7		7		7		7		7	
1/4	3,845.74	1/4	4,208.53	1/4	4,570.23	1/4	4,917.60	1/4	5,235.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,853.29	1/2	4,216.09	1/2	4,577.66	1/2	4,924.64	1/2	5,239.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,860.85	3/4	4,223.65	3/4	4,585.08	3/4	4,931.68	3/4	5,244.24	3/4		3/4		3/4		3/4		3/4	
8	3,868.41	8	4,231.20	8	4,592.50	8	4,938.71	8	5,248.58	8		8		8		8		8	
1/4	3,875.97	1/4	4,238.76	1/4	4,599.90	1/4	4,945.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,883.53	1/2	4,246.32	1/2	4,607.29	1/2	4,952.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,891.09	3/4	4,253.88	3/4	4,614.69	3/4	4,959.73	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,898.64	9	4,261.44	9	4,622.08	9	4,966.74	9		9		9		9		9		9	
1/4	3,906.20	1/4	4,269.00	1/4	4,629.44	1/4	4,973.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,913.76	1/2	4,276.55	1/2	4,636.81	1/2	4,980.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,921.32	3/4	4,284.11	3/4	4,644.17	3/4	4,987.68	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,928.88	10	4,291.67	10	4,651.54	10	4,994.65	10		10		10		10		10		10	
1/4	3,936.43	1/4	4,299.23	1/4	4,658.87	1/4	5,001.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,943.99	1/2	4,306.79	1/2	4,666.20	1/2	5,008.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,951.55	3/4	4,314.34	3/4	4,673.54	3/4	5,015.50	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,959.11	11	4,321.90	11	4,680.87	11	5,022.45	11		11		11		11		11		11	
1/4	3,966.67	1/4	4,329.46	1/4	4,688.18	1/4	5,029.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,974.23	1/2	4,337.02	1/2	4,695.48	1/2	5,036.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,981.78	3/4	4,344.58	3/4	4,702.79	3/4	5,042.99	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HBC 303"

2 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	22.88	0	361.40	0	722.70	0	1,083.76	0	1,444.83	0	1,806.15	0	2,167.46	0	2,528.78	0	2,889.99	0	3,251.18
1/4	27.27	1/4	368.92	1/4	730.22	1/4	1,091.27	1/4	1,452.36	1/4	1,813.67	1/4	2,174.99	1/4	2,536.30	1/4	2,897.52	1/4	3,258.70
1/2	31.66	1/2	376.45	1/2	737.75	1/2	1,098.79	1/2	1,459.89	1/2	1,821.20	1/2	2,182.52	1/2	2,543.83	1/2	2,905.04	1/2	3,266.23
3/4	36.05	3/4	383.98	3/4	745.28	3/4	1,106.31	3/4	1,467.41	3/4	1,828.73	3/4	2,190.04	3/4	2,551.36	3/4	2,912.57	3/4	3,273.75
1	40.44	1	391.50	1	752.81	1	1,113.82	1	1,474.94	1	1,836.26	1	2,197.57	1	2,558.89	1	2,920.09	1	3,281.28
1/4	46.08	1/4	399.03	1/4	760.33	1/4	1,121.34	1/4	1,482.47	1/4	1,843.78	1/4	2,205.10	1/4	2,566.41	1/4	2,927.62	1/4	3,288.80
1/2	51.73	1/2	406.56	1/2	767.86	1/2	1,128.85	1/2	1,490.00	1/2	1,851.31	1/2	2,212.63	1/2	2,573.94	1/2	2,935.14	1/2	3,296.33
3/4	57.37	3/4	414.09	3/4	775.39	3/4	1,136.37	3/4	1,497.52	3/4	1,858.84	3/4	2,220.15	3/4	2,581.47	3/4	2,942.67	3/4	3,303.85
2	63.02	2	421.61	2	782.91	2	1,143.88	2	1,505.05	2	1,866.37	2	2,227.68	2	2,589.00	2	2,950.19	2	3,311.38
1/4	69.92	1/4	429.14	1/4	790.44	1/4	1,151.40	1/4	1,512.58	1/4	1,873.89	1/4	2,235.21	1/4	2,596.52	1/4	2,957.72	1/4	3,318.90
1/2	76.81	1/2	436.67	1/2	797.97	1/2	1,158.91	1/2	1,520.10	1/2	1,881.42	1/2	2,242.74	1/2	2,604.05	1/2	2,965.24	1/2	3,326.43
3/4	83.71	3/4	444.19	3/4	805.49	3/4	1,166.43	3/4	1,527.63	3/4	1,888.95	3/4	2,250.26	3/4	2,611.58	3/4	2,972.77	3/4	3,333.95
3	90.61	3	451.72	3	813.02	3	1,173.94	3	1,535.16	3	1,896.47	3	2,257.79	3	2,619.11	3	2,980.29	3	3,341.48
1/4	98.10	1/4	459.25	1/4	820.55	1/4	1,181.46	1/4	1,542.69	1/4	1,904.00	1/4	2,265.32	1/4	2,626.63	1/4	2,987.82	1/4	3,349.00
1/2	105.59	1/2	466.78	1/2	828.08	1/2	1,188.97	1/2	1,550.21	1/2	1,911.53	1/2	2,272.84	1/2	2,634.15	1/2	2,995.34	1/2	3,356.53
3/4	113.08	3/4	474.30	3/4	835.60	3/4	1,196.49	3/4	1,557.74	3/4	1,919.06	3/4	2,280.37	3/4	2,641.68	3/4	3,002.86	3/4	3,364.05
4	120.57	4	481.83	4	843.13	4	1,204.00	4	1,565.27	4	1,926.58	4	2,287.90	4	2,649.20	4	3,010.39	4	3,371.58
1/4	128.09	1/4	489.36	1/4	850.66	1/4	1,211.52	1/4	1,572.80	1/4	1,934.11	1/4	2,295.43	1/4	2,656.73	1/4	3,017.91	1/4	3,379.10
1/2	135.61	1/2	496.88	1/2	858.18	1/2	1,219.03	1/2	1,580.32	1/2	1,941.64	1/2	2,302.95	1/2	2,664.25	1/2	3,025.44	1/2	3,386.62
3/4	143.13	3/4	504.41	3/4	865.71	3/4	1,226.55	3/4	1,587.85	3/4	1,949.17	3/4	2,310.48	3/4	2,671.78	3/4	3,032.96	3/4	3,394.15
5	150.64	5	511.94	5	873.24	5	1,234.06	5	1,595.38	5	1,956.69	5	2,318.01	5	2,679.30	5	3,040.49	5	3,401.67
1/4	158.17	1/4	519.47	1/4	880.77	1/4	1,241.59	1/4	1,602.91	1/4	1,964.22	1/4	2,325.54	1/4	2,686.83	1/4	3,048.01	1/4	3,409.20
1/2	165.69	1/2	526.99	1/2	888.29	1/2	1,249.12	1/2	1,610.43	1/2	1,971.75	1/2	2,333.06	1/2	2,694.35	1/2	3,055.54	1/2	3,416.72
3/4	173.22	3/4	534.52	3/4	895.82	3/4	1,256.65	3/4	1,617.96	3/4	1,979.28	3/4	2,340.59	3/4	2,701.88	3/4	3,063.06	3/4	3,424.25
6	180.75	6	542.05	6	903.35	6	1,264.17	6	1,625.49	6	1,986.80	6	2,348.12	6	2,709.40	6	3,070.59	6	3,431.77
1/4	188.27	1/4	549.57	1/4	910.87	1/4	1,271.70	1/4	1,633.02	1/4	1,994.33	1/4	2,355.65	1/4	2,716.93	1/4	3,078.11	1/4	3,439.30
1/2	195.80	1/2	557.10	1/2	918.40	1/2	1,279.23	1/2	1,640.54	1/2	2,001.86	1/2	2,363.17	1/2	2,724.45	1/2	3,085.64	1/2	3,446.82
3/4	203.33	3/4	564.63	3/4	925.93	3/4	1,286.76	3/4	1,648.07	3/4	2,009.39	3/4	2,370.70	3/4	2,731.98	3/4	3,093.16	3/4	3,454.35
7	210.85	7	572.15	7	933.46	7	1,294.28	7	1,655.60	7	2,016.91	7	2,378.23	7	2,739.50	7	3,100.69	7	3,461.87
1/4	218.38	1/4	579.68	1/4	940.97	1/4	1,301.81	1/4	1,663.13	1/4	2,024.44	1/4	2,385.76	1/4	2,747.02	1/4	3,108.21	1/4	3,469.40
1/2	225.91	1/2	587.21	1/2	948.49	1/2	1,309.34	1/2	1,670.65	1/2	2,031.97	1/2	2,393.28	1/2	2,754.55	1/2	3,115.74	1/2	3,476.92
3/4	233.44	3/4	594.74	3/4	956.00	3/4	1,316.86	3/4	1,678.18	3/4	2,039.50	3/4	2,400.81	3/4	2,762.07	3/4	3,123.26	3/4	3,484.45
8	240.96	8	602.26	8	963.52	8	1,324.39	8	1,685.71	8	2,047.02	8	2,408.34	8	2,769.60	8	3,130.78	8	3,491.97
1/4	248.49	1/4	609.79	1/4	971.03	1/4	1,331.92	1/4	1,693.23	1/4	2,054.55	1/4	2,415.87	1/4	2,777.12	1/4	3,138.31	1/4	3,499.49
1/2	256.02	1/2	617.32	1/2	978.55	1/2	1,339.45	1/2	1,700.76	1/2	2,062.08	1/2	2,423.39	1/2	2,784.65	1/2	3,145.83	1/2	3,507.02
3/4	263.54	3/4	624.84	3/4	986.06	3/4	1,346.97	3/4	1,708.29	3/4	2,069.60	3/4	2,430.92	3/4	2,792.17	3/4	3,153.36	3/4	3,514.54
9	271.07	9	632.37	9	993.58	9	1,354.50	9	1,715.82	9	2,077.13	9	2,438.45	9	2,799.70	9	3,160.88	9	3,522.07
1/4	278.60	1/4	639.90	1/4	1,001.09	1/4	1,362.03	1/4	1,723.34	1/4	2,084.66	1/4	2,445.97	1/4	2,807.22	1/4	3,168.41	1/4	3,529.59
1/2	286.12	1/2	647.43	1/2	1,008.61	1/2	1,369.56	1/2	1,730.87	1/2	2,092.19	1/2	2,453.50	1/2	2,814.75	1/2	3,175.93	1/2	3,537.12
3/4	293.65	3/4	654.95	3/4	1,016.12	3/4	1,377.08	3/4	1,738.40	3/4	2,099.71	3/4	2,461.03	3/4	2,822.27	3/4	3,183.46	3/4	3,544.64
10	301.18	10	662.48	10	1,023.64	10	1,384.61	10	1,745.93	10	2,107.24	10	2,468.56	10	2,829.80	10	3,190.98	10	3,552.17
1/4	308.71	1/4	670.01	1/4	1,031.15	1/4	1,392.14	1/4	1,753.45	1/4	2,114.77	1/4	2,476.08	1/4	2,837.32	1/4	3,198.51	1/4	3,559.69
1/2	316.23	1/2	677.53	1/2	1,038.67	1/2	1,399.67	1/2	1,760.98	1/2	2,122.30	1/2	2,483.61	1/2	2,844.85	1/2	3,206.03	1/2	3,567.22
3/4	323.76	3/4	685.06	3/4	1,046.18	3/4	1,407.19	3/4	1,768.51	3/4	2,129.82	3/4	2,491.14	3/4	2,852.37	3/4	3,213.56	3/4	3,574.74
11	331.29	11	692.59	11	1,053.70	11	1,414.72	11	1,776.04	11	2,137.35	11	2,498.67	11	2,859.90	11	3,221.08	11	3,582.27
1/4	338.81	1/4	700.12	1/4	1,061.21	1/4	1,422.25	1/4	1,783.56	1/4	2,144.88	1/4	2,506.19	1/4	2,867.42	1/4	3,228.61	1/4	3,589.79
1/2	346.34	1/2	707.64	1/2	1,068.73	1/2	1,429.78	1/2	1,791.09	1/2	2,152.41	1/2	2,513.72	1/2	2,874.94	1/2	3,236.13	1/2	3,597.32
3/4	353.87	3/4	715.17	3/4	1,076.24	3/4	1,437.30	3/4	1,798.62	3/4	2,159.93	3/4	2,521.25	3/4	2,882.47	3/4	3,243.66	3/4	3,604.84

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HBC 303"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	3,612.37	0	3,973.55	0	4,334.74	0	4,691.10	0	5,029.33	0		0		0		0		0	
1/4	3,619.89	1/4	3,981.08	1/4	4,342.26	1/4	4,698.34	1/4	5,036.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,627.41	1/2	3,988.60	1/2	4,349.79	1/2	4,705.58	1/2	5,042.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,634.94	3/4	3,996.13	3/4	4,357.31	3/4	4,712.83	3/4	5,049.69	3/4		3/4		3/4		3/4		3/4	
1	3,642.46	1	4,003.65	1	4,364.84	1	4,720.07	1	5,056.48	1		1		1		1		1	
1/4	3,649.99	1/4	4,011.17	1/4	4,372.36	1/4	4,727.25	1/4	5,063.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,657.51	1/2	4,018.70	1/2	4,379.88	1/2	4,734.44	1/2	5,069.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,665.04	3/4	4,026.22	3/4	4,387.41	3/4	4,741.62	3/4	5,076.75	3/4		3/4		3/4		3/4		3/4	
2	3,672.56	2	4,033.75	2	4,394.93	2	4,748.80	2	5,083.50	2		2		2		2		2	
1/4	3,680.09	1/4	4,041.27	1/4	4,402.46	1/4	4,755.95	1/4	5,090.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,687.61	1/2	4,048.80	1/2	4,409.98	1/2	4,763.11	1/2	5,096.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,695.14	3/4	4,056.32	3/4	4,417.51	3/4	4,770.26	3/4	5,103.68	3/4		3/4		3/4		3/4		3/4	
3	3,702.66	3	4,063.85	3	4,425.03	3	4,777.42	3	5,110.41	3		3		3		3		3	
1/4	3,710.19	1/4	4,071.37	1/4	4,432.54	1/4	4,784.54	1/4	5,117.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,717.71	1/2	4,078.90	1/2	4,440.05	1/2	4,791.66	1/2	5,123.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,725.24	3/4	4,086.42	3/4	4,447.56	3/4	4,798.79	3/4	5,130.47	3/4		3/4		3/4		3/4		3/4	
4	3,732.76	4	4,093.95	4	4,455.07	4	4,805.91	4	5,137.16	4		4		4		4		4	
1/4	3,740.29	1/4	4,101.47	1/4	4,462.55	1/4	4,813.00	1/4	5,143.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,747.81	1/2	4,109.00	1/2	4,470.03	1/2	4,820.10	1/2	5,150.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,755.33	3/4	4,116.52	3/4	4,477.51	3/4	4,827.19	3/4	5,157.05	3/4		3/4		3/4		3/4		3/4	
5	3,762.86	5	4,124.05	5	4,484.99	5	4,834.29	5	5,163.69	5		5		5		5		5	
1/4	3,770.38	1/4	4,131.57	1/4	4,492.44	1/4	4,841.35	1/4	5,169.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,777.91	1/2	4,139.09	1/2	4,499.89	1/2	4,848.41	1/2	5,175.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,785.43	3/4	4,146.62	3/4	4,507.34	3/4	4,855.48	3/4	5,181.71	3/4		3/4		3/4		3/4		3/4	
6	3,792.96	6	4,154.14	6	4,514.79	6	4,862.54	6	5,187.72	6		6		6		6		6	
1/4	3,800.48	1/4	4,161.67	1/4	4,522.21	1/4	4,869.58	1/4	5,193.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,808.01	1/2	4,169.19	1/2	4,529.63	1/2	4,876.61	1/2	5,198.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,815.53	3/4	4,176.72	3/4	4,537.05	3/4	4,883.65	3/4	5,204.35	3/4		3/4		3/4		3/4		3/4	
7	3,823.06	7	4,184.24	7	4,544.47	7	4,890.68	7	5,209.90	7		7		7		7		7	
1/4	3,830.58	1/4	4,191.77	1/4	4,551.87	1/4	4,897.69	1/4	5,214.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,838.11	1/2	4,199.29	1/2	4,559.26	1/2	4,904.69	1/2	5,218.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,845.63	3/4	4,206.82	3/4	4,566.65	3/4	4,911.69	3/4	5,222.85	3/4		3/4		3/4		3/4		3/4	
8	3,853.16	8	4,214.34	8	4,574.04	8	4,918.70	8	5,227.17	8		8		8		8		8	
1/4	3,860.68	1/4	4,221.87	1/4	4,581.40	1/4	4,925.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,868.21	1/2	4,229.39	1/2	4,588.76	1/2	4,932.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,875.73	3/4	4,236.92	3/4	4,596.12	3/4	4,939.62	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,883.25	9	4,244.44	9	4,603.48	9	4,946.60	9		9		9		9		9		9	
1/4	3,890.78	1/4	4,251.96	1/4	4,610.81	1/4	4,953.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,898.30	1/2	4,259.49	1/2	4,618.14	1/2	4,960.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,905.83	3/4	4,267.01	3/4	4,625.48	3/4	4,967.44	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,913.35	10	4,274.54	10	4,632.81	10	4,974.39	10		10		10		10		10		10	
1/4	3,920.88	1/4	4,282.06	1/4	4,640.11	1/4	4,981.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,928.40	1/2	4,289.59	1/2	4,647.41	1/2	4,988.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,935.93	3/4	4,297.11	3/4	4,654.71	3/4	4,995.14	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,943.45	11	4,304.64	11	4,662.01	11	5,002.06	11		11		11		11		11		11	
1/4	3,950.98	1/4	4,312.16	1/4	4,669.28	1/4	5,008.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,958.50	1/2	4,319.69	1/2	4,676.56	1/2	5,015.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,966.03	3/4	4,327.21	3/4	4,683.83	3/4	5,022.51	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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



BARGE "HBC 303"

2 STBD

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	22.88	0	361.40	0	722.70	0	1,075.82	0	1,428.95	0	1,790.27	0	2,151.58	0	2,512.90	0	2,874.11	0	3,235.30
1/4	27.27	1/4	368.92	1/4	730.22	1/4	1,083.01	1/4	1,436.48	1/4	1,797.79	1/4	2,159.11	1/4	2,520.42	1/4	2,881.64	1/4	3,242.82
1/2	31.66	1/2	376.45	1/2	737.75	1/2	1,090.19	1/2	1,444.01	1/2	1,805.32	1/2	2,166.64	1/2	2,527.95	1/2	2,889.16	1/2	3,250.35
3/4	36.05	3/4	383.98	3/4	745.28	3/4	1,097.37	3/4	1,451.53	3/4	1,812.85	3/4	2,174.16	3/4	2,535.48	3/4	2,896.69	3/4	3,257.87
1	40.44	1	391.50	1	752.80	1	1,104.56	1	1,459.06	1	1,820.38	1	2,181.69	1	2,543.01	1	2,904.21	1	3,265.40
1/4	46.08	1/4	399.03	1/4	760.33	1/4	1,111.74	1/4	1,466.59	1/4	1,827.90	1/4	2,189.22	1/4	2,550.53	1/4	2,911.74	1/4	3,272.92
1/2	51.73	1/2	406.56	1/2	767.86	1/2	1,118.93	1/2	1,474.12	1/2	1,835.43	1/2	2,196.75	1/2	2,558.06	1/2	2,919.26	1/2	3,280.45
3/4	57.37	3/4	414.09	3/4	775.39	3/4	1,126.11	3/4	1,481.64	3/4	1,842.96	3/4	2,204.27	3/4	2,565.59	3/4	2,926.79	3/4	3,287.97
2	63.02	2	421.61	2	782.91	2	1,133.30	2	1,489.17	2	1,850.49	2	2,211.80	2	2,573.12	2	2,934.31	2	3,295.50
1/4	69.92	1/4	429.14	1/4	790.44	1/4	1,140.48	1/4	1,496.70	1/4	1,858.01	1/4	2,219.33	1/4	2,580.64	1/4	2,941.84	1/4	3,303.02
1/2	76.81	1/2	436.67	1/2	797.97	1/2	1,147.66	1/2	1,504.22	1/2	1,865.54	1/2	2,226.86	1/2	2,588.17	1/2	2,949.36	1/2	3,310.55
3/4	83.71	3/4	444.19	3/4	805.49	3/4	1,154.85	3/4	1,511.75	3/4	1,873.07	3/4	2,234.38	3/4	2,595.70	3/4	2,956.89	3/4	3,318.07
3	90.61	3	451.72	3	813.02	3	1,162.03	3	1,519.28	3	1,880.59	3	2,241.91	3	2,603.23	3	2,964.41	3	3,325.60
1/4	98.10	1/4	459.25	1/4	820.55	1/4	1,169.22	1/4	1,526.81	1/4	1,888.12	1/4	2,249.44	1/4	2,610.75	1/4	2,971.94	1/4	3,333.12
1/2	105.59	1/2	466.78	1/2	828.08	1/2	1,176.40	1/2	1,534.33	1/2	1,895.65	1/2	2,256.96	1/2	2,618.27	1/2	2,979.46	1/2	3,340.65
3/4	113.08	3/4	474.30	3/4	835.60	3/4	1,183.59	3/4	1,541.86	3/4	1,903.18	3/4	2,264.49	3/4	2,625.80	3/4	2,986.98	3/4	3,348.17
4	120.57	4	481.83	4	843.13	4	1,190.77	4	1,549.39	4	1,910.70	4	2,272.02	4	2,633.32	4	2,994.51	4	3,355.70
1/4	128.09	1/4	489.36	1/4	850.66	1/4	1,197.95	1/4	1,556.92	1/4	1,918.23	1/4	2,279.55	1/4	2,640.85	1/4	3,002.03	1/4	3,363.22
1/2	135.61	1/2	496.88	1/2	858.18	1/2	1,205.14	1/2	1,564.44	1/2	1,925.76	1/2	2,287.07	1/2	2,648.37	1/2	3,009.56	1/2	3,370.74
3/4	143.12	3/4	504.41	3/4	865.71	3/4	1,212.32	3/4	1,571.97	3/4	1,933.29	3/4	2,294.60	3/4	2,655.90	3/4	3,017.08	3/4	3,378.27
5	150.64	5	511.94	5	873.24	5	1,219.51	5	1,579.50	5	1,940.81	5	2,302.13	5	2,663.42	5	3,024.61	5	3,385.79
1/4	158.17	1/4	519.46	1/4	880.77	1/4	1,226.70	1/4	1,587.03	1/4	1,948.34	1/4	2,309.66	1/4	2,670.95	1/4	3,032.13	1/4	3,393.32
1/2	165.69	1/2	526.99	1/2	888.29	1/2	1,233.90	1/2	1,594.55	1/2	1,955.87	1/2	2,317.18	1/2	2,678.47	1/2	3,039.66	1/2	3,400.84
3/4	173.22	3/4	534.52	3/4	895.82	3/4	1,241.10	3/4	1,602.08	3/4	1,963.40	3/4	2,324.71	3/4	2,686.00	3/4	3,047.18	3/4	3,408.37
6	180.75	6	542.05	6	903.35	6	1,248.29	6	1,609.61	6	1,970.92	6	2,332.24	6	2,693.52	6	3,054.71	6	3,415.89
1/4	188.27	1/4	549.57	1/4	910.54	1/4	1,255.82	1/4	1,617.14	1/4	1,978.45	1/4	2,339.77	1/4	2,701.05	1/4	3,062.23	1/4	3,423.42
1/2	195.80	1/2	557.10	1/2	917.74	1/2	1,263.35	1/2	1,624.66	1/2	1,985.98	1/2	2,347.29	1/2	2,708.57	1/2	3,069.76	1/2	3,430.94
3/4	203.33	3/4	564.63	3/4	924.94	3/4	1,270.88	3/4	1,632.19	3/4	1,993.51	3/4	2,354.82	3/4	2,716.10	3/4	3,077.28	3/4	3,438.47
7	210.85	7	572.15	7	932.14	7	1,278.40	7	1,639.72	7	2,001.03	7	2,362.35	7	2,723.62	7	3,084.81	7	3,445.99
1/4	218.38	1/4	579.68	1/4	939.32	1/4	1,285.93	1/4	1,647.25	1/4	2,008.56	1/4	2,369.88	1/4	2,731.15	1/4	3,092.33	1/4	3,453.52
1/2	225.91	1/2	587.21	1/2	946.50	1/2	1,293.46	1/2	1,654.77	1/2	2,016.09	1/2	2,377.40	1/2	2,738.67	1/2	3,099.86	1/2	3,461.04
3/4	233.44	3/4	594.74	3/4	953.69	3/4	1,300.99	3/4	1,662.30	3/4	2,023.62	3/4	2,384.93	3/4	2,746.19	3/4	3,107.38	3/4	3,468.57
8	240.96	8	602.26	8	960.87	8	1,308.51	8	1,669.83	8	2,031.14	8	2,392.46	8	2,753.72	8	3,114.90	8	3,476.09
1/4	248.49	1/4	609.79	1/4	968.06	1/4	1,316.04	1/4	1,677.36	1/4	2,038.67	1/4	2,399.99	1/4	2,761.24	1/4	3,122.43	1/4	3,483.62
1/2	256.02	1/2	617.32	1/2	975.24	1/2	1,323.57	1/2	1,684.88	1/2	2,046.20	1/2	2,407.51	1/2	2,768.77	1/2	3,129.95	1/2	3,491.14
3/4	263.54	3/4	624.84	3/4	982.43	3/4	1,331.09	3/4	1,692.41	3/4	2,053.73	3/4	2,415.04	3/4	2,776.29	3/4	3,137.48	3/4	3,498.66
9	271.07	9	632.37	9	989.61	9	1,338.62	9	1,699.94	9	2,061.25	9	2,422.57	9	2,783.82	9	3,145.00	9	3,506.19
1/4	278.60	1/4	639.90	1/4	996.79	1/4	1,346.15	1/4	1,707.46	1/4	2,068.78	1/4	2,430.10	1/4	2,791.34	1/4	3,152.53	1/4	3,513.71
1/2	286.12	1/2	647.43	1/2	1,003.98	1/2	1,353.68	1/2	1,714.99	1/2	2,076.31	1/2	2,437.62	1/2	2,798.87	1/2	3,160.05	1/2	3,521.24
3/4	293.65	3/4	654.95	3/4	1,011.16	3/4	1,361.20	3/4	1,722.52	3/4	2,083.83	3/4	2,445.15	3/4	2,806.39	3/4	3,167.58	3/4	3,528.76
10	301.18	10	662.48	10	1,018.35	10	1,368.73	10	1,730.05	10	2,091.36	10	2,452.68	10	2,813.92	10	3,175.10	10	3,536.29
1/4	308.71	1/4	670.01	1/4	1,025.53	1/4	1,376.26	1/4	1,737.57	1/4	2,098.89	1/4	2,460.20	1/4	2,821.44	1/4	3,182.63	1/4	3,543.81
1/2	316.23	1/2	677.53	1/2	1,032.72	1/2	1,383.79	1/2	1,745.10	1/2	2,106.42	1/2	2,467.73	1/2	2,828.97	1/2	3,190.15	1/2	3,551.34
3/4	323.76	3/4	685.06	3/4	1,039.90	3/4	1,391.31	3/4	1,752.63	3/4	2,113.94	3/4	2,475.26	3/4	2,836.49	3/4	3,197.68	3/4	3,558.86
11	331.29	11	692.59	11	1,047.08	11	1,398.84	11	1,760.16	11	2,121.47	11	2,482.79	11	2,844.02	11	3,205.20	11	3,566.39
1/4	338.81	1/4	700.12	1/4	1,054.27	1/4	1,406.37	1/4	1,767.68	1/4	2,129.00	1/4	2,490.31	1/4	2,851.54	1/4	3,212.73	1/4	3,573.91
1/2	346.34	1/2	707.64	1/2	1,061.45	1/2	1,413.90	1/2	1,775.21	1/2	2,136.53	1/2	2,497.84	1/2	2,859.07	1/2	3,220.25	1/2	3,581.44
3/4	353.87	3/4	715.17	3/4	1,068.64	3/4	1,421.42	3/4	1,782.74	3/4	2,144.05	3/4	2,505.37	3/4	2,866.59	3/4	3,227.78	3/4	3,588.96

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 303"

2 STBD 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.	
0	3,596.49	0	3,957.67	0	4,318.86	0	4,675.22	0	5,013.45	0		0		0		0		0	
1/4	3,604.01	1/4	3,965.20	1/4	4,326.38	1/4	4,682.46	1/4	5,020.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,611.54	1/2	3,972.72	1/2	4,333.91	1/2	4,689.70	1/2	5,027.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,619.06	3/4	3,980.25	3/4	4,341.43	3/4	4,696.95	3/4	5,033.81	3/4		3/4		3/4		3/4		3/4	
1	3,626.58	1	3,987.77	1	4,348.96	1	4,704.19	1	5,040.60	1		1		1		1		1	
1/4	3,634.11	1/4	3,995.29	1/4	4,356.48	1/4	4,711.37	1/4	5,047.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,641.63	1/2	4,002.82	1/2	4,364.01	1/2	4,718.55	1/2	5,054.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,649.16	3/4	4,010.34	3/4	4,371.53	3/4	4,725.74	3/4	5,060.87	3/4		3/4		3/4		3/4		3/4	
2	3,656.68	2	4,017.87	2	4,379.05	2	4,732.92	2	5,067.62	2		2		2		2		2	
1/4	3,664.21	1/4	4,025.39	1/4	4,386.58	1/4	4,740.07	1/4	5,074.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,671.73	1/2	4,032.92	1/2	4,394.10	1/2	4,747.23	1/2	5,081.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,679.26	3/4	4,040.44	3/4	4,401.63	3/4	4,754.38	3/4	5,087.80	3/4		3/4		3/4		3/4		3/4	
3	3,686.78	3	4,047.97	3	4,409.15	3	4,761.53	3	5,094.53	3		3		3		3		3	
1/4	3,694.31	1/4	4,055.49	1/4	4,416.66	1/4	4,768.66	1/4	5,101.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,701.83	1/2	4,063.02	1/2	4,424.17	1/2	4,775.78	1/2	5,107.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,709.36	3/4	4,070.54	3/4	4,431.68	3/4	4,782.91	3/4	5,114.59	3/4		3/4		3/4		3/4		3/4	
4	3,716.88	4	4,078.07	4	4,439.19	4	4,790.03	4	5,121.28	4		4		4		4		4	
1/4	3,724.41	1/4	4,085.59	1/4	4,446.67	1/4	4,797.12	1/4	5,127.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,731.93	1/2	4,093.12	1/2	4,454.15	1/2	4,804.22	1/2	5,134.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,739.45	3/4	4,100.64	3/4	4,461.63	3/4	4,811.31	3/4	5,141.18	3/4		3/4		3/4		3/4		3/4	
5	3,746.98	5	4,108.17	5	4,469.11	5	4,818.41	5	5,147.81	5		5		5		5		5	
1/4	3,754.50	1/4	4,115.69	1/4	4,476.56	1/4	4,825.47	1/4	5,153.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,762.03	1/2	4,123.21	1/2	4,484.01	1/2	4,832.53	1/2	5,159.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,769.55	3/4	4,130.74	3/4	4,491.46	3/4	4,839.60	3/4	5,165.83	3/4		3/4		3/4		3/4		3/4	
6	3,777.08	6	4,138.26	6	4,498.91	6	4,846.66	6	5,171.84	6		6		6		6		6	
1/4	3,784.60	1/4	4,145.79	1/4	4,506.33	1/4	4,853.70	1/4	5,177.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,792.13	1/2	4,153.31	1/2	4,513.75	1/2	4,860.73	1/2	5,182.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,799.65	3/4	4,160.84	3/4	4,521.17	3/4	4,867.77	3/4	5,188.47	3/4		3/4		3/4		3/4		3/4	
7	3,807.18	7	4,168.36	7	4,528.59	7	4,874.80	7	5,194.02	7		7		7		7		7	
1/4	3,814.70	1/4	4,175.89	1/4	4,535.98	1/4	4,881.81	1/4	5,198.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,822.23	1/2	4,183.41	1/2	4,543.37	1/2	4,888.81	1/2	5,202.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,829.75	3/4	4,190.94	3/4	4,550.77	3/4	4,895.81	3/4	5,206.97	3/4		3/4		3/4		3/4		3/4	
8	3,837.28	8	4,198.46	8	4,558.16	8	4,902.82	8	5,211.29	8		8		8		8		8	
1/4	3,844.80	1/4	4,205.99	1/4	4,565.52	1/4	4,909.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,852.33	1/2	4,213.51	1/2	4,572.88	1/2	4,916.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,859.85	3/4	4,221.04	3/4	4,580.24	3/4	4,923.74	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,867.37	9	4,228.56	9	4,587.60	9	4,930.72	9		9		9		9		9		9	
1/4	3,874.90	1/4	4,236.09	1/4	4,594.93	1/4	4,937.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,882.42	1/2	4,243.61	1/2	4,602.26	1/2	4,944.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,889.95	3/4	4,251.13	3/4	4,609.59	3/4	4,951.56	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,897.47	10	4,258.66	10	4,616.93	10	4,958.51	10		10		10		10		10		10	
1/4	3,905.00	1/4	4,266.18	1/4	4,624.23	1/4	4,965.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,912.52	1/2	4,273.71	1/2	4,631.53	1/2	4,972.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,920.05	3/4	4,281.23	3/4	4,638.83	3/4	4,979.26	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,927.57	11	4,288.76	11	4,646.13	11	4,986.18	11		11		11		11		11		11	
1/4	3,935.10	1/4	4,296.28	1/4	4,653.40	1/4	4,993.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,942.62	1/2	4,303.81	1/2	4,660.68	1/2	4,999.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,950.15	3/4	4,311.33	3/4	4,667.95	3/4	5,006.63	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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



BARGE "HBC 303"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

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	22.80	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'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 303"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	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: 04/23/2013 SW CL
CALCULATED: 04/23/2013 CL
PRINTED: 04/23/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "HBC 303"

3 STBD 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	359.49	0	718.85	0	1,066.49	0	1,419.40	0	1,778.17	0	2,137.40	0	2,496.58	0	2,855.56	0	3,213.47
1/4	27.17	1/4	366.98	1/4	726.34	1/4	1,073.64	1/4	1,426.83	1/4	1,785.65	1/4	2,144.89	1/4	2,504.07	1/4	2,863.03	1/4	3,220.90
1/2	31.54	1/2	374.47	1/2	733.83	1/2	1,080.79	1/2	1,434.25	1/2	1,793.14	1/2	2,152.37	1/2	2,511.55	1/2	2,870.50	1/2	3,228.33
3/4	35.92	3/4	381.95	3/4	741.31	3/4	1,087.94	3/4	1,441.67	3/4	1,800.62	3/4	2,159.85	3/4	2,519.03	3/4	2,877.97	3/4	3,235.77
1	40.29	1	389.44	1	748.80	1	1,095.09	1	1,449.09	1	1,808.11	1	2,167.33	1	2,526.51	1	2,885.43	1	3,243.20
1/4	45.90	1/4	396.93	1/4	756.29	1/4	1,102.24	1/4	1,456.52	1/4	1,815.59	1/4	2,174.82	1/4	2,534.00	1/4	2,892.90	1/4	3,250.64
1/2	51.51	1/2	404.41	1/2	763.78	1/2	1,109.39	1/2	1,463.94	1/2	1,823.08	1/2	2,182.30	1/2	2,541.48	1/2	2,900.36	1/2	3,258.07
3/4	57.12	3/4	411.90	3/4	771.26	3/4	1,116.54	3/4	1,471.36	3/4	1,830.56	3/4	2,189.78	3/4	2,548.96	3/4	2,907.82	3/4	3,265.51
2	62.74	2	419.39	2	778.75	2	1,123.69	2	1,478.79	2	1,838.05	2	2,197.27	2	2,556.45	2	2,915.28	2	3,272.94
1/4	69.59	1/4	426.87	1/4	786.24	1/4	1,130.83	1/4	1,486.27	1/4	1,845.53	1/4	2,204.75	1/4	2,563.93	1/4	2,922.74	1/4	3,280.38
1/2	76.44	1/2	434.36	1/2	793.72	1/2	1,137.98	1/2	1,493.75	1/2	1,853.02	1/2	2,212.23	1/2	2,571.41	1/2	2,930.20	1/2	3,287.81
3/4	83.28	3/4	441.85	3/4	801.21	3/4	1,145.13	3/4	1,501.24	3/4	1,860.50	3/4	2,219.72	3/4	2,578.89	3/4	2,937.66	3/4	3,295.24
3	90.13	3	449.33	3	808.70	3	1,152.28	3	1,508.72	3	1,867.98	3	2,227.20	3	2,586.38	3	2,945.12	3	3,302.68
1/4	97.59	1/4	456.82	1/4	815.90	1/4	1,159.71	1/4	1,516.21	1/4	1,875.47	1/4	2,234.68	1/4	2,593.86	1/4	2,952.58	1/4	3,310.13
1/2	105.04	1/2	464.31	1/2	823.10	1/2	1,167.15	1/2	1,523.69	1/2	1,882.95	1/2	2,242.16	1/2	2,601.34	1/2	2,960.05	1/2	3,317.58
3/4	112.49	3/4	471.79	3/4	830.30	3/4	1,174.58	3/4	1,531.18	3/4	1,890.44	3/4	2,249.65	3/4	2,608.82	3/4	2,967.51	3/4	3,325.03
4	119.94	4	479.28	4	837.51	4	1,182.01	4	1,538.66	4	1,897.92	4	2,257.13	4	2,616.30	4	2,974.97	4	3,332.48
1/4	127.42	1/4	486.77	1/4	844.68	1/4	1,189.42	1/4	1,546.15	1/4	1,905.41	1/4	2,264.61	1/4	2,623.78	1/4	2,982.43	1/4	3,339.93
1/2	134.91	1/2	494.25	1/2	851.85	1/2	1,196.82	1/2	1,553.63	1/2	1,912.89	1/2	2,272.10	1/2	2,631.27	1/2	2,989.89	1/2	3,347.38
3/4	142.39	3/4	501.74	3/4	859.03	3/4	1,204.22	3/4	1,561.12	3/4	1,920.38	3/4	2,279.58	3/4	2,638.75	3/4	2,997.35	3/4	3,354.83
5	149.87	5	509.23	5	866.20	5	1,211.63	5	1,568.60	5	1,927.86	5	2,287.06	5	2,646.23	5	3,004.81	5	3,362.28
1/4	157.36	1/4	516.71	1/4	873.38	1/4	1,219.03	1/4	1,576.09	1/4	1,935.35	1/4	2,294.54	1/4	2,653.71	1/4	3,012.27	1/4	3,369.73
1/2	164.84	1/2	524.20	1/2	880.55	1/2	1,226.44	1/2	1,583.57	1/2	1,942.83	1/2	2,302.03	1/2	2,661.19	1/2	3,019.73	1/2	3,377.18
3/4	172.33	3/4	531.69	3/4	887.73	3/4	1,233.85	3/4	1,591.05	3/4	1,950.32	3/4	2,309.51	3/4	2,668.67	3/4	3,027.20	3/4	3,384.63
6	179.81	6	539.17	6	894.90	6	1,241.25	6	1,598.54	6	1,957.80	6	2,316.99	6	2,676.15	6	3,034.66	6	3,392.08
1/4	187.30	1/4	546.66	1/4	902.05	1/4	1,248.68	1/4	1,606.02	1/4	1,965.28	1/4	2,324.48	1/4	2,683.63	1/4	3,042.12	1/4	3,399.53
1/2	194.79	1/2	554.15	1/2	909.21	1/2	1,256.10	1/2	1,613.51	1/2	1,972.77	1/2	2,331.96	1/2	2,691.12	1/2	3,049.58	1/2	3,406.98
3/4	202.27	3/4	561.63	3/4	916.36	3/4	1,263.52	3/4	1,620.99	3/4	1,980.25	3/4	2,339.44	3/4	2,698.60	3/4	3,057.04	3/4	3,414.43
7	209.76	7	569.12	7	923.51	7	1,270.94	7	1,628.48	7	1,987.74	7	2,346.92	7	2,706.08	7	3,064.50	7	3,421.88
1/4	217.25	1/4	576.61	1/4	930.66	1/4	1,278.37	1/4	1,635.96	1/4	1,995.22	1/4	2,354.41	1/4	2,713.56	1/4	3,071.97	1/4	3,429.33
1/2	224.73	1/2	584.09	1/2	937.81	1/2	1,285.79	1/2	1,643.45	1/2	2,002.71	1/2	2,361.89	1/2	2,721.04	1/2	3,079.44	1/2	3,436.78
3/4	232.22	3/4	591.58	3/4	944.96	3/4	1,293.21	3/4	1,650.93	3/4	2,010.19	3/4	2,369.37	3/4	2,728.52	3/4	3,086.91	3/4	3,444.23
8	239.71	8	599.07	8	952.11	8	1,300.64	8	1,658.42	8	2,017.68	8	2,376.86	8	2,736.00	8	3,094.38	8	3,451.68
1/4	247.19	1/4	606.55	1/4	959.26	1/4	1,308.06	1/4	1,665.90	1/4	2,025.16	1/4	2,384.34	1/4	2,743.49	1/4	3,101.84	1/4	3,459.13
1/2	254.68	1/2	614.04	1/2	966.41	1/2	1,315.48	1/2	1,673.39	1/2	2,032.64	1/2	2,391.82	1/2	2,750.97	1/2	3,109.31	1/2	3,466.58
3/4	262.17	3/4	621.53	3/4	973.55	3/4	1,322.90	3/4	1,680.87	3/4	2,040.13	3/4	2,399.30	3/4	2,758.45	3/4	3,116.78	3/4	3,474.03
9	269.65	9	629.01	9	980.70	9	1,330.33	9	1,688.35	9	2,047.61	9	2,406.79	9	2,765.94	9	3,124.25	9	3,481.48
1/4	277.14	1/4	636.50	1/4	987.85	1/4	1,337.75	1/4	1,695.84	1/4	2,055.09	1/4	2,414.27	1/4	2,773.40	1/4	3,131.69	1/4	3,488.50
1/2	284.63	1/2	643.99	1/2	995.00	1/2	1,345.17	1/2	1,703.32	1/2	2,062.57	1/2	2,421.75	1/2	2,780.87	1/2	3,139.12	1/2	3,489.52
3/4	292.11	3/4	651.47	3/4	1,002.15	3/4	1,352.60	3/4	1,710.81	3/4	2,070.06	3/4	2,429.24	3/4	2,788.34	3/4	3,146.55	3/4	3,493.53
10	299.60	10	658.96	10	1,009.30	10	1,360.02	10	1,718.29	10	2,077.54	10	2,436.72	10	2,795.81	10	3,153.99	10	3,497.55
1/4	307.09	1/4	666.45	1/4	1,016.45	1/4	1,367.44	1/4	1,725.78	1/4	2,085.02	1/4	2,444.20	1/4	2,803.28	1/4	3,161.42	1/4	3,501.57
1/2	314.57	1/2	673.93	1/2	1,023.60	1/2	1,374.87	1/2	1,733.26	1/2	2,092.51	1/2	2,451.69	1/2	2,810.75	1/2	3,168.86	1/2	3,505.59
3/4	322.06	3/4	681.42	3/4	1,030.75	3/4	1,382.29	3/4	1,740.75	3/4	2,099.99	3/4	2,459.17	3/4	2,818.22	3/4	3,176.29	3/4	3,509.61
11	329.55	11	688.91	11	1,037.90	11	1,389.71	11	1,748.23	11	2,107.47	11	2,466.65	11	2,825.68	11	3,183.73	11	3,513.63
1/4	337.03	1/4	696.39	1/4	1,045.05	1/4	1,397.13	1/4	1,755.72	1/4	2,114.95	1/4	2,474.13	1/4	2,833.15	1/4	3,191.16	1/4	3,517.64
1/2	344.52	1/2	703.88	1/2	1,052.19	1/2	1,404.56	1/2	1,763.20	1/2	2,122.44	1/2	2,481.62	1/2	2,840.62	1/2	3,198.60	1/2	3,521.66
3/4	352.01	3/4	711.37	3/4	1,059.34	3/4	1,411.98	3/4	1,770.69	3/4	2,129.92	3/4	2,489.10	3/4	2,848.09	3/4	3,206.03	3/4	3,525.68

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HBC 303"

3 STBD 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	3,529.70	0	3,722.58	0	3,915.47	0	4,105.77	0	4,286.42	0		0		0		0		0	
1/4	3,533.72	1/4	3,726.60	1/4	3,919.48	1/4	4,109.64	1/4	4,290.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,537.74	1/2	3,730.62	1/2	3,923.50	1/2	4,113.51	1/2	4,293.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,541.76	3/4	3,734.64	3/4	3,927.52	3/4	4,117.37	3/4	4,297.29	3/4		3/4		3/4		3/4		3/4	
1	3,545.77	1	3,738.66	1	3,931.54	1	4,121.24	1	4,300.91	1		1		1		1		1	
1/4	3,549.79	1/4	3,742.68	1/4	3,935.56	1/4	4,125.08	1/4	4,304.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,553.81	1/2	3,746.69	1/2	3,939.58	1/2	4,128.92	1/2	4,308.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,557.83	3/4	3,750.71	3/4	3,943.60	3/4	4,132.75	3/4	4,311.74	3/4		3/4		3/4		3/4		3/4	
2	3,561.85	2	3,754.73	2	3,947.61	2	4,136.59	2	4,315.35	2		2		2		2		2	
1/4	3,565.87	1/4	3,758.75	1/4	3,951.63	1/4	4,140.41	1/4	4,318.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,569.88	1/2	3,762.77	1/2	3,955.65	1/2	4,144.23	1/2	4,322.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,573.90	3/4	3,766.79	3/4	3,959.67	3/4	4,148.05	3/4	4,326.12	3/4		3/4		3/4		3/4		3/4	
3	3,577.92	3	3,770.80	3	3,963.69	3	4,151.87	3	4,329.71	3		3		3		3		3	
1/4	3,581.94	1/4	3,774.82	1/4	3,967.70	1/4	4,155.68	1/4	4,333.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,585.96	1/2	3,778.84	1/2	3,971.71	1/2	4,159.49	1/2	4,336.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,589.98	3/4	3,782.86	3/4	3,975.72	3/4	4,163.29	3/4	4,340.41	3/4		3/4		3/4		3/4		3/4	
4	3,593.99	4	3,786.88	4	3,979.73	4	4,167.10	4	4,343.97	4		4		4		4		4	
1/4	3,598.01	1/4	3,790.90	1/4	3,983.72	1/4	4,170.88	1/4	4,347.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,602.03	1/2	3,794.91	1/2	3,987.72	1/2	4,174.67	1/2	4,351.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,606.05	3/4	3,798.93	3/4	3,991.71	3/4	4,178.46	3/4	4,354.55	3/4		3/4		3/4		3/4		3/4	
5	3,610.07	5	3,802.95	5	3,995.71	5	4,182.25	5	4,358.07	5		5		5		5		5	
1/4	3,614.09	1/4	3,806.97	1/4	3,999.68	1/4	4,186.03	1/4	4,360.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,618.10	1/2	3,810.99	1/2	4,003.66	1/2	4,189.80	1/2	4,363.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,622.12	3/4	3,815.01	3/4	4,007.64	3/4	4,193.57	3/4	4,366.83	3/4		3/4		3/4		3/4		3/4	
6	3,626.14	6	3,819.02	6	4,011.62	6	4,197.35	6	4,369.74	6		6		6		6		6	
1/4	3,630.16	1/4	3,823.04	1/4	4,015.58	1/4	4,201.10	1/4	4,371.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,634.18	1/2	3,827.06	1/2	4,019.55	1/2	4,204.86	1/2	4,373.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,638.20	3/4	3,831.08	3/4	4,023.51	3/4	4,208.62	3/4	4,376.02	3/4		3/4		3/4		3/4		3/4	
7	3,642.22	7	3,835.10	7	4,027.47	7	4,212.38	7	4,378.11	7		7		7		7		7	
1/4	3,646.23	1/4	3,839.12	1/4	4,031.42	1/4	4,216.12	1/4	4,378.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,650.25	1/2	3,843.14	1/2	4,035.36	1/2	4,219.86	1/2	4,379.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,654.27	3/4	3,847.15	3/4	4,039.31	3/4	4,223.60	3/4	4,380.68	3/4		3/4		3/4		3/4		3/4	
8	3,658.29	8	3,851.17	8	4,043.26	8	4,227.34	8	4,381.53	8		8		8		8		8	
1/4	3,662.31	1/4	3,855.19	1/4	4,047.19	1/4	4,231.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,666.33	1/2	3,859.21	1/2	4,051.12	1/2	4,234.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,670.34	3/4	3,863.23	3/4	4,055.05	3/4	4,238.52	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,674.36	9	3,867.25	9	4,058.98	9	4,242.25	9		9		9		9		9		9	
1/4	3,678.38	1/4	3,871.26	1/4	4,062.90	1/4	4,245.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,682.40	1/2	3,875.28	1/2	4,066.81	1/2	4,249.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,686.42	3/4	3,879.30	3/4	4,070.73	3/4	4,253.38	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,690.44	10	3,883.32	10	4,074.64	10	4,257.09	10		10		10		10		10		10	
1/4	3,694.45	1/4	3,887.34	1/4	4,078.54	1/4	4,260.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,698.47	1/2	3,891.36	1/2	4,082.44	1/2	4,264.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,702.49	3/4	3,895.37	3/4	4,086.34	3/4	4,268.17	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,706.51	11	3,899.39	11	4,090.24	11	4,271.86	11		11		11		11		11		11	
1/4	3,710.53	1/4	3,903.41	1/4	4,094.12	1/4	4,275.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,714.55	1/2	3,907.43	1/2	4,098.01	1/2	4,279.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,718.56	3/4	3,911.45	3/4	4,101.89	3/4	4,282.78	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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