



# BARGE "WEB 323"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 PORT	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8
2 STBD	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-5/8	01-5/8
3 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
3 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
4 CENTER	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

(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 2 PORT IS 00-1/2"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/2"

LENGTH BETWEEN DRAFT MARKS: 238'-00"

February 7, 2012

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**  
 P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "WEB 323"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-07"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	7,032.54	0	6,541.16	0	6,049.92	0	5,557.57	0	5,062.86	0	4,568.15	0	4,073.44
1/4		1/4		1/4		1/4	7,022.30	1/4	6,530.92	1/4	6,039.69	1/4	5,547.26	1/4	5,052.55	1/4	4,557.84	1/4	4,063.14
1/2		1/2		1/2		1/2	7,012.07	1/2	6,520.69	1/2	6,029.46	1/2	5,536.95	1/2	5,042.25	1/2	4,547.54	1/2	4,052.83
3/4		3/4		3/4		3/4	7,001.84	3/4	6,510.46	3/4	6,019.22	3/4	5,526.65	3/4	5,031.94	3/4	4,537.23	3/4	4,042.52
1		1		1		1	6,991.60	1	6,500.22	1	6,008.99	1	5,516.34	1	5,021.63	1	4,526.93	1	4,032.22
1/4		1/4		1/4		1/4	6,981.35	1/4	6,489.99	1/4	5,998.75	1/4	5,506.03	1/4	5,011.33	1/4	4,516.62	1/4	4,021.91
1/2		1/2		1/2		1/2	6,971.10	1/2	6,479.75	1/2	5,988.52	1/2	5,495.73	1/2	5,001.02	1/2	4,506.31	1/2	4,011.61
3/4		3/4		3/4		3/4	6,960.85	3/4	6,469.52	3/4	5,978.29	3/4	5,485.42	3/4	4,990.71	3/4	4,496.01	3/4	4,001.30
2		2		2		2	6,950.60	2	6,459.28	2	5,968.05	2	5,475.11	2	4,980.41	2	4,485.70	2	3,990.99
1/4		1/4		1/4		1/4	6,940.35	1/4	6,449.05	1/4	5,957.82	1/4	5,464.81	1/4	4,970.10	1/4	4,475.39	1/4	3,980.69
1/2		1/2		1/2		1/2	6,930.10	1/2	6,438.82	1/2	5,947.58	1/2	5,454.50	1/2	4,959.79	1/2	4,465.09	1/2	3,970.38
3/4		3/4		3/4		3/4	6,919.84	3/4	6,428.58	3/4	5,937.35	3/4	5,444.19	3/4	4,949.49	3/4	4,454.78	3/4	3,960.07
3		3		3		3	6,909.59	3	6,418.35	3	5,927.12	3	5,433.99	3	4,939.18	3	4,444.47	3	3,949.77
1/4		1/4		1/4		1/4	6,899.35	1/4	6,408.11	1/4	5,916.88	1/4	5,423.58	1/4	4,928.87	1/4	4,434.17	1/4	3,939.46
1/2		1/2		1/2		1/2	6,889.12	1/2	6,397.88	1/2	5,906.65	1/2	5,413.28	1/2	4,918.57	1/2	4,423.86	1/2	3,929.15
3/4		3/4		3/4		3/4	6,878.88	3/4	6,387.65	3/4	5,896.41	3/4	5,402.97	3/4	4,908.26	3/4	4,413.55	3/4	3,918.85
4		4		4		4	6,868.64	4	6,377.41	4	5,886.18	4	5,392.66	4	4,897.96	4	4,403.25	4	3,908.54
1/4		1/4		1/4		1/4	6,858.41	1/4	6,367.18	1/4	5,875.95	1/4	5,382.36	1/4	4,887.65	1/4	4,392.94	1/4	3,898.23
1/2		1/2		1/2		1/2	6,848.18	1/2	6,356.94	1/2	5,865.71	1/2	5,372.05	1/2	4,877.34	1/2	4,382.64	1/2	3,887.93
3/4		3/4		3/4		3/4	6,837.94	3/4	6,346.71	3/4	5,855.48	3/4	5,361.74	3/4	4,867.04	3/4	4,372.33	3/4	3,877.62
5		5		5		5	6,827.71	5	6,336.48	5	5,845.24	5	5,351.44	5	4,856.73	5	4,362.02	5	3,867.32
1/4		1/4		1/4		1/4	6,817.47	1/4	6,326.24	1/4	5,835.01	1/4	5,341.13	1/4	4,846.42	1/4	4,351.72	1/4	3,857.01
1/2		1/2		1/2		1/2	6,807.24	1/2	6,316.01	1/2	5,824.78	1/2	5,330.82	1/2	4,836.12	1/2	4,341.41	1/2	3,846.70
3/4		3/4		3/4		3/4	6,797.01	3/4	6,305.77	3/4	5,814.54	3/4	5,320.52	3/4	4,825.81	3/4	4,331.10	3/4	3,836.40
6		6		6		6	6,786.77	6	6,295.54	6	5,804.31	6	5,310.21	6	4,815.50	6	4,320.80	6	3,826.09
1/4		1/4		1/4		1/4	6,776.54	1/4	6,285.31	1/4	5,794.07	1/4	5,299.91	1/4	4,805.20	1/4	4,310.49	1/4	3,815.78
1/2		1/2		1/2	7,165.56	1/2	6,766.30	1/2	6,275.07	1/2	5,783.84	1/2	5,289.60	1/2	4,794.89	1/2	4,300.18	1/2	3,805.48
3/4		3/4		3/4	7,164.77	3/4	6,756.07	3/4	6,264.84	3/4	5,773.61	3/4	5,279.29	3/4	4,784.59	3/4	4,289.88	3/4	3,795.17
7		7		7	7,163.97	7	6,745.84	7	6,254.60	7	5,763.37	7	5,268.99	7	4,774.28	7	4,279.57	7	3,784.86
1/4		1/4		1/4	7,161.37	1/4	6,735.60	1/4	6,244.37	1/4	5,753.14	1/4	5,258.88	1/4	4,763.97	1/4	4,269.27	1/4	3,774.54
1/2		1/2		1/2	7,158.77	1/2	6,725.37	1/2	6,234.14	1/2	5,742.90	1/2	5,248.37	1/2	4,753.67	1/2	4,258.96	1/2	3,764.21
3/4		3/4		3/4	7,156.17	3/4	6,715.13	3/4	6,223.90	3/4	5,732.67	3/4	5,238.07	3/4	4,743.36	3/4	4,248.65	3/4	3,753.89
8		8		8	7,153.57	8	6,704.90	8	6,213.67	8	5,722.44	8	5,227.76	8	4,733.05	8	4,238.35	8	3,743.57
1/4		1/4		1/4	7,148.90	1/4	6,694.67	1/4	6,203.43	1/4	5,712.14	1/4	5,217.45	1/4	4,722.75	1/4	4,228.04	1/4	3,733.24
1/2		1/2		1/2	7,144.23	1/2	6,684.43	1/2	6,193.20	1/2	5,701.84	1/2	5,207.15	1/2	4,712.44	1/2	4,217.73	1/2	3,722.91
3/4		3/4		3/4	7,139.56	3/4	6,674.20	3/4	6,182.97	3/4	5,691.54	3/4	5,196.84	3/4	4,702.13	3/4	4,207.43	3/4	3,712.59
9		9		9	7,134.90	9	6,663.96	9	6,172.73	9	5,681.24	9	5,186.53	9	4,691.83	9	4,197.12	9	3,702.26
1/4		1/4		1/4	7,128.16	1/4	6,653.73	1/4	6,162.50	1/4	5,670.94	1/4	5,176.23	1/4	4,681.52	1/4	4,186.81	1/4	3,691.94
1/2		1/2		1/2	7,121.43	1/2	6,643.50	1/2	6,152.26	1/2	5,660.63	1/2	5,165.92	1/2	4,671.21	1/2	4,176.51	1/2	3,681.61
3/4		3/4		3/4	7,114.70	3/4	6,633.26	3/4	6,142.03	3/4	5,650.32	3/4	5,155.62	3/4	4,660.91	3/4	4,166.20	3/4	3,671.29
10		10		10	7,107.97	10	6,623.03	10	6,131.80	10	5,640.02	10	5,145.31	10	4,650.60	10	4,155.89	10	3,660.96
1/4		1/4		1/4	7,099.17	1/4	6,612.79	1/4	6,121.56	1/4	5,629.71	1/4	5,135.00	1/4	4,640.30	1/4	4,145.59	1/4	3,650.64
1/2		1/2		1/2	7,090.37	1/2	6,602.56	1/2	6,111.33	1/2	5,619.40	1/2	5,124.70	1/2	4,629.99	1/2	4,135.28	1/2	3,640.31
3/4		3/4		3/4	7,081.58	3/4	6,592.33	3/4	6,101.09	3/4	5,609.10	3/4	5,114.39	3/4	4,619.68	3/4	4,124.98	3/4	3,629.98
11		11		11	7,072.78	11	6,582.09	11	6,090.86	11	5,598.79	11	5,104.08	11	4,609.38	11	4,114.67	11	3,619.66
1/4		1/4		1/4	7,062.72	1/4	6,571.86	1/4	6,080.63	1/4	5,588.48	1/4	5,093.78	1/4	4,599.07	1/4	4,104.36	1/4	3,609.33
1/2		1/2		1/2	7,052.66	1/2	6,561.62	1/2	6,070.39	1/2	5,578.18	1/2	5,083.47	1/2	4,588.76	1/2	4,094.06	1/2	3,599.01
3/4		3/4		3/4	7,042.60	3/4	6,551.39	3/4	6,060.16	3/4	5,567.87	3/4	5,073.16	3/4	4,578.46	3/4	4,083.75	3/4	3,588.68

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 1'-00" OFF CENTERLINE AND 29'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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 http://www.pmacorp.net



# BARGE "WEB 323"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-07"

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	3,578.36	0	3,082.73	0	2,587.10	0	2,091.47	0	1,595.84	0	1,100.63	0	605.90	0	165.98	0		0	
1/4	3,568.03	1/4	3,072.40	1/4	2,576.77	1/4	2,081.14	1/4	1,585.52	1/4	1,090.32	1/4	595.81	1/4	157.93	1/4		1/4	
1/2	3,557.70	1/2	3,062.08	1/2	2,566.45	1/2	2,070.82	1/2	1,575.19	1/2	1,080.02	1/2	585.71	1/2	149.87	1/2		1/2	
3/4	3,547.38	3/4	3,051.75	3/4	2,556.12	3/4	2,060.49	3/4	1,564.86	3/4	1,069.71	3/4	575.62	3/4	141.82	3/4		3/4	
1	3,537.05	1	3,041.42	1	2,545.80	1	2,050.17	1	1,554.54	1	1,059.41	1	565.53	1	133.77	1		1	
1 1/4	3,526.73	1 1/4	3,031.10	1 1/4	2,535.47	1 1/4	2,039.84	1 1/4	1,544.21	1 1/4	1,049.10	1 1/4	555.60	1 1/4	125.91	1 1/4		1 1/4	
1 1/2	3,516.40	1 1/2	3,020.77	1 1/2	2,525.14	1 1/2	2,029.52	1 1/2	1,533.89	1 1/2	1,038.80	1 1/2	545.68	1 1/2	118.04	1 1/2		1 1/2	
3/4	3,506.08	3/4	3,010.45	3/4	2,514.82	3/4	2,019.19	3/4	1,523.56	3/4	1,028.49	3/4	535.75	3/4	110.18	3/4		3/4	
2	3,495.75	2	3,000.12	2	2,504.49	2	2,008.86	2	1,513.24	2	1,018.19	2	525.83	2	102.32	2		2	
2 1/4	3,485.43	2 1/4	2,989.80	2 1/4	2,494.17	2 1/4	1,998.54	2 1/4	1,502.91	2 1/4	1,007.89	2 1/4	516.07	2 1/4	94.66	2 1/4		2 1/4	
2 1/2	3,475.10	2 1/2	2,979.47	2 1/2	2,483.84	2 1/2	1,988.21	2 1/2	1,492.58	2 1/2	997.58	2 1/2	506.32	2 1/2	86.99	2 1/2		2 1/2	
3/4	3,464.77	3/4	2,969.15	3/4	2,473.52	3/4	1,977.89	3/4	1,482.26	3/4	987.28	3/4	496.56	3/4	79.33	3/4		3/4	
3	3,454.45	3	2,958.82	3	2,463.19	3	1,967.56	3	1,471.93	3	976.97	3	486.81	3	71.67	3		3	
3 1/4	3,444.12	3 1/4	2,948.49	3 1/4	2,452.87	3 1/4	1,957.24	3 1/4	1,461.61	3 1/4	966.67	3 1/4	477.22	3 1/4	64.23	3 1/4		3 1/4	
3 1/2	3,433.80	3 1/2	2,938.17	3 1/2	2,442.54	3 1/2	1,946.91	3 1/2	1,451.28	3 1/2	956.36	3 1/2	467.63	3 1/2	56.79	3 1/2		3 1/2	
3/4	3,423.47	3/4	2,927.84	3/4	2,432.21	3/4	1,936.59	3/4	1,440.96	3/4	946.06	3/4	458.04	3/4	49.35	3/4		3/4	
4	3,413.15	4	2,917.52	4	2,421.89	4	1,926.26	4	1,430.63	4	935.75	4	448.46	4	41.91	4		4	
4 1/4	3,402.82	4 1/4	2,907.19	4 1/4	2,411.56	4 1/4	1,915.93	4 1/4	1,420.31	4 1/4	925.45	4 1/4	439.04	4 1/4	36.04	4 1/4		4 1/4	
4 1/2	3,392.50	4 1/2	2,896.87	4 1/2	2,401.24	4 1/2	1,905.61	4 1/2	1,409.98	4 1/2	915.14	4 1/2	429.62	4 1/2	30.17	4 1/2		4 1/2	
3/4	3,382.17	3/4	2,886.54	3/4	2,390.91	3/4	1,895.28	3/4	1,399.65	3/4	904.84	3/4	420.20	3/4	24.31	3/4		3/4	
5	3,371.84	5	2,876.22	5	2,380.59	5	1,884.96	5	1,389.33	5	894.54	5	410.78	5	18.44	5		5	
5 1/4	3,361.52	5 1/4	2,865.89	5 1/4	2,370.26	5 1/4	1,874.63	5 1/4	1,379.00	5 1/4	884.23	5 1/4	401.53	5 1/4	15.95	5 1/4		5 1/4	
5 1/2	3,351.19	5 1/2	2,855.56	5 1/2	2,359.94	5 1/2	1,864.31	5 1/2	1,368.68	5 1/2	873.93	5 1/2	392.28	5 1/2	13.45	5 1/2		5 1/2	
3/4	3,340.87	3/4	2,845.24	3/4	2,349.61	3/4	1,853.98	3/4	1,358.35	3/4	863.62	3/4	383.03	3/4	10.96	3/4		3/4	
6	3,330.54	6	2,834.91	6	2,339.28	6	1,843.66	6	1,348.03	6	853.32	6	373.78	6	8.46	6		6	
6 1/4	3,320.22	6 1/4	2,824.59	6 1/4	2,328.96	6 1/4	1,833.33	6 1/4	1,337.70	6 1/4	843.01	6 1/4	364.70	6 1/4	6.70	6 1/4		6 1/4	
6 1/2	3,309.89	6 1/2	2,814.26	6 1/2	2,318.63	6 1/2	1,823.00	6 1/2	1,327.38	6 1/2	832.71	6 1/2	355.62	6 1/2	4.94	6 1/2		6 1/2	
3/4	3,299.56	3/4	2,803.94	3/4	2,308.31	3/4	1,812.68	3/4	1,317.05	3/4	822.40	3/4	346.54	3/4	3.18	3/4		3/4	
7	3,289.24	7	2,793.61	7	2,297.98	7	1,802.35	7	1,306.72	7	812.10	7	337.46	7	1.42	7		7	
7 1/4	3,278.91	7 1/4	2,783.28	7 1/4	2,287.66	7 1/4	1,792.03	7 1/4	1,296.42	7 1/4	801.78	7 1/4	328.54	7 1/4		7 1/4		7 1/4	
7 1/2	3,268.59	7 1/2	2,772.96	7 1/2	2,277.33	7 1/2	1,781.70	7 1/2	1,286.11	7 1/2	791.45	7 1/2	319.63	7 1/2		7 1/2		7 1/2	
3/4	3,258.26	3/4	2,762.63	3/4	2,267.00	3/4	1,771.38	3/4	1,275.80	3/4	781.13	3/4	310.72	3/4		3/4		3/4	
8	3,247.94	8	2,752.31	8	2,256.68	8	1,761.05	8	1,265.50	8	770.81	8	301.81	8		8		8	
8 1/4	3,237.61	8 1/4	2,741.98	8 1/4	2,246.35	8 1/4	1,750.72	8 1/4	1,255.19	8 1/4	760.48	8 1/4	293.06	8 1/4		8 1/4		8 1/4	
8 1/2	3,227.29	8 1/2	2,731.66	8 1/2	2,236.03	8 1/2	1,740.40	8 1/2	1,244.89	8 1/2	750.16	8 1/2	284.32	8 1/2		8 1/2		8 1/2	
3/4	3,216.96	3/4	2,721.33	3/4	2,225.70	3/4	1,730.07	3/4	1,234.58	3/4	739.83	3/4	275.57	3/4		3/4		3/4	
9	3,206.63	9	2,711.01	9	2,215.38	9	1,719.75	9	1,224.28	9	729.51	9	266.83	9		9		9	
9 1/4	3,196.31	9 1/4	2,700.68	9 1/4	2,205.05	9 1/4	1,709.42	9 1/4	1,213.98	9 1/4	719.18	9 1/4	258.25	9 1/4		9 1/4		9 1/4	
9 1/2	3,185.98	9 1/2	2,690.35	9 1/2	2,194.73	9 1/2	1,699.10	9 1/2	1,203.67	9 1/2	708.86	9 1/2	249.68	9 1/2		9 1/2		9 1/2	
3/4	3,175.66	3/4	2,680.03	3/4	2,184.40	3/4	1,688.77	3/4	1,193.37	3/4	698.53	3/4	241.10	3/4		3/4		3/4	
10	3,165.33	10	2,669.70	10	2,174.07	10	1,678.45	10	1,183.06	10	688.21	10	232.53	10		10		10	
10 1/4	3,155.01	10 1/4	2,659.38	10 1/4	2,163.75	10 1/4	1,668.12	10 1/4	1,172.76	10 1/4	677.88	10 1/4	224.12	10 1/4		10 1/4		10 1/4	
10 1/2	3,144.68	10 1/2	2,649.05	10 1/2	2,153.42	10 1/2	1,657.79	10 1/2	1,162.46	10 1/2	667.56	10 1/2	215.72	10 1/2		10 1/2		10 1/2	
3/4	3,134.36	3/4	2,638.73	3/4	2,143.10	3/4	1,647.47	3/4	1,152.15	3/4	657.23	3/4	207.31	3/4		3/4		3/4	
11	3,124.03	11	2,628.40	11	2,132.77	11	1,637.14	11	1,141.84	11	646.91	11	198.91	11		11		11	
11 1/4	3,113.70	11 1/4	2,618.08	11 1/4	2,122.45	11 1/4	1,626.82	11 1/4	1,131.54	11 1/4	636.65	11 1/4	190.67	11 1/4		11 1/4		11 1/4	
11 1/2	3,103.38	11 1/2	2,607.75	11 1/2	2,112.12	11 1/2	1,616.49	11 1/2	1,121.23	11 1/2	626.40	11 1/2	182.44	11 1/2		11 1/2		11 1/2	
3/4	3,093.05	3/4	2,597.42	3/4	2,101.80	3/4	1,606.17	3/4	1,110.93	3/4	616.15	3/4	174.21	3/4		3/4		3/4	

STRAPPED: 02/06/2012 CL - SW  
CALCULATED: 02/07/2012 CL  
PRINTED: 02/07/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2012

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "WEB 323"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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		0		0		0	4,056.56	0	3,773.35	0	3,490.17	0	3,206.16	0	2,921.07	0	2,635.98	0	2,350.89
1/4		1/4		1/4		1/4	4,060.65	1/4	3,767.45	1/4	3,484.27	1/4	3,200.22	1/4	2,915.13	1/4	2,630.04	1/4	2,344.95
1/2		1/2		1/2		1/2	4,044.55	1/2	3,761.55	1/2	3,478.37	1/2	3,194.28	1/2	2,909.19	1/2	2,624.10	1/2	2,339.01
3/4		3/4		3/4		3/4	4,038.84	3/4	3,755.65	3/4	3,472.47	3/4	3,188.34	3/4	2,903.25	3/4	2,618.16	3/4	2,333.07
1		1		1		1	4,032.94	1	3,749.75	1	3,466.57	1	3,182.40	1	2,897.31	1	2,612.22	1	2,327.13
1/4		1/4		1/4		1/4	4,027.04	1/4	3,743.85	1/4	3,460.67	1/4	3,176.46	1/4	2,891.37	1/4	2,606.28	1/4	2,321.19
1/2		1/2		1/2		1/2	4,021.14	1/2	3,737.96	1/2	3,454.77	1/2	3,170.52	1/2	2,885.43	1/2	2,600.34	1/2	2,315.25
3/4		3/4		3/4		3/4	4,015.24	3/4	3,732.06	3/4	3,448.87	3/4	3,164.58	3/4	2,879.49	3/4	2,594.40	3/4	2,309.31
2		2		2		2	4,009.34	2	3,726.16	2	3,442.98	2	3,158.64	2	2,873.55	2	2,588.46	2	2,303.37
1/4		1/4		1/4		1/4	4,003.44	1/4	3,720.26	1/4	3,437.08	1/4	3,152.71	1/4	2,867.61	1/4	2,582.52	1/4	2,297.43
1/2		1/2		1/2		1/2	3,997.54	1/2	3,714.36	1/2	3,431.18	1/2	3,146.77	1/2	2,861.67	1/2	2,576.58	1/2	2,291.49
3/4		3/4		3/4		3/4	3,991.64	3/4	3,708.46	3/4	3,425.28	3/4	3,140.83	3/4	2,855.74	3/4	2,570.64	3/4	2,285.55
3		3		3		3	3,985.74	3	3,702.56	3	3,419.38	3	3,134.89	3	2,849.80	3	2,564.70	3	2,279.61
1/4		1/4		1/4		1/4	3,979.84	1/4	3,696.66	1/4	3,413.48	1/4	3,128.95	1/4	2,843.86	1/4	2,558.77	1/4	2,273.67
1/2		1/2		1/2		1/2	3,973.94	1/2	3,690.76	1/2	3,407.58	1/2	3,123.01	1/2	2,837.92	1/2	2,552.83	1/2	2,267.73
3/4		3/4		3/4		3/4	3,968.04	3/4	3,684.86	3/4	3,401.68	3/4	3,117.07	3/4	2,831.98	3/4	2,546.89	3/4	2,261.80
4		4		4		4	3,962.14	4	3,678.96	4	3,395.78	4	3,111.13	4	2,826.04	4	2,540.95	4	2,255.86
1/4		1/4		1/4		1/4	3,956.24	1/4	3,673.06	1/4	3,389.88	1/4	3,105.19	1/4	2,820.10	1/4	2,535.01	1/4	2,249.92
1/2		1/2		1/2		1/2	3,950.34	1/2	3,667.16	1/2	3,383.98	1/2	3,099.25	1/2	2,814.16	1/2	2,529.07	1/2	2,243.97
3/4		3/4		3/4		3/4	3,944.44	3/4	3,661.26	3/4	3,378.08	3/4	3,093.31	3/4	2,808.22	3/4	2,523.13	3/4	2,238.03
5		5		5		5	3,938.54	5	3,655.36	5	3,372.18	5	3,087.37	5	2,802.28	5	2,517.19	5	2,232.09
1/4		1/4		1/4		1/4	3,932.64	1/4	3,649.46	1/4	3,366.28	1/4	3,081.43	1/4	2,796.34	1/4	2,511.25	1/4	2,226.15
1/2		1/2		1/2		1/2	3,926.74	1/2	3,643.56	1/2	3,360.38	1/2	3,075.49	1/2	2,790.40	1/2	2,505.31	1/2	2,220.20
3/4		3/4		3/4		3/4	3,920.84	3/4	3,637.66	3/4	3,354.48	3/4	3,069.55	3/4	2,784.46	3/4	2,499.37	3/4	2,214.25
6		6		6		6	3,914.94	6	3,631.76	6	3,348.58	6	3,063.61	6	2,778.52	6	2,493.43	6	2,208.30
1/4		1/4		1/4		1/4	3,909.04	1/4	3,625.86	1/4	3,342.68	1/4	3,057.68	1/4	2,772.58	1/4	2,487.49	1/4	2,202.35
1/2		1/2		1/2		1/2	3,903.14	1/2	3,619.96	1/2	3,336.76	1/2	3,051.74	1/2	2,766.64	1/2	2,481.55	1/2	2,196.40
3/4		3/4		3/4		3/4	4,163.36	3/4	3,897.24	3/4	3,614.06	3/4	3,330.85	3/4	3,045.80	3/4	2,760.71	3/4	2,475.61
7		7		7		7	3,891.34	7	3,608.16	7	3,324.93	7	3,039.86	7	2,754.77	7	2,469.67	7	2,184.50
1/4		1/4		1/4		1/4	4,157.67	1/4	3,885.45	1/4	3,602.26	1/4	3,319.01	1/4	3,033.92	1/4	2,748.83	1/4	2,463.74
1/2		1/2		1/2		1/2	4,153.64	1/2	3,879.55	1/2	3,596.36	1/2	3,313.07	1/2	3,027.98	1/2	2,742.89	1/2	2,457.80
3/4		3/4		3/4		3/4	4,149.60	3/4	3,873.65	3/4	3,590.47	3/4	3,307.13	3/4	3,022.04	3/4	2,736.95	3/4	2,451.86
8		8		8		8	4,145.57	8	3,867.75	8	3,584.57	8	3,301.19	8	3,016.10	8	2,731.01	8	2,445.92
1/4		1/4		1/4		1/4	4,141.53	1/4	3,861.85	1/4	3,578.67	1/4	3,295.25	1/4	3,010.16	1/4	2,725.07	1/4	2,439.98
1/2		1/2		1/2		1/2	4,136.39	1/2	3,855.95	1/2	3,572.77	1/2	3,289.31	1/2	3,004.22	1/2	2,719.13	1/2	2,434.04
3/4		3/4		3/4		3/4	4,131.25	3/4	3,850.05	3/4	3,566.87	3/4	3,283.37	3/4	2,998.28	3/4	2,713.19	3/4	2,428.10
9		9		9		9	4,126.11	9	3,844.15	9	3,560.97	9	3,277.43	9	2,992.34	9	2,707.25	9	2,422.16
1/4		1/4		1/4		1/4	4,120.97	1/4	3,838.25	1/4	3,555.07	1/4	3,271.49	1/4	2,986.40	1/4	2,701.31	1/4	2,416.22
1/2		1/2		1/2		1/2	4,115.20	1/2	3,832.35	1/2	3,549.17	1/2	3,265.55	1/2	2,980.46	1/2	2,695.37	1/2	2,410.28
3/4		3/4		3/4		3/4	4,109.42	3/4	3,826.45	3/4	3,543.27	3/4	3,259.61	3/4	2,974.52	3/4	2,689.43	3/4	2,404.34
10		10		10		10	4,103.65	10	3,820.55	10	3,537.37	10	3,253.68	10	2,968.58	10	2,683.49	10	2,398.40
1/4		1/4		1/4		1/4	4,097.88	1/4	3,814.65	1/4	3,531.47	1/4	3,247.74	1/4	2,962.64	1/4	2,677.55	1/4	2,392.46
1/2		1/2		1/2		1/2	4,091.98	1/2	3,808.75	1/2	3,525.57	1/2	3,241.80	1/2	2,956.71	1/2	2,671.61	1/2	2,386.52
3/4		3/4		3/4		3/4	4,086.08	3/4	3,802.85	3/4	3,519.67	3/4	3,235.86	3/4	2,950.77	3/4	2,665.67	3/4	2,380.58
11		11		11		11	4,080.18	11	3,796.95	11	3,513.77	11	3,229.92	11	2,944.83	11	2,659.74	11	2,374.64
1/4		1/4		1/4		1/4	4,074.28	1/4	3,791.05	1/4	3,507.87	1/4	3,223.98	1/4	2,938.89	1/4	2,653.80	1/4	2,368.70
1/2		1/2		1/2		1/2	4,068.37	1/2	3,785.15	1/2	3,501.97	1/2	3,218.04	1/2	2,932.95	1/2	2,647.86	1/2	2,362.77
3/4		3/4		3/4		3/4	4,062.46	3/4	3,779.25	3/4	3,496.07	3/4	3,212.10	3/4	2,927.01	3/4	2,641.92	3/4	2,356.83

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "WEB 323"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,065.50	0	1,779.90	0	1,494.30	0	1,208.70	0	923.10	0	644.55	0	362.86	0	77.48	0		0	
1/4	2,059.55	1/4	1,773.95	1/4	1,488.35	1/4	1,202.75	1/4	917.15	1/4	638.83	1/4	356.91	1/4	71.56	1/4		1/4	
1/2	2,053.60	1/2	1,768.00	1/2	1,482.40	1/2	1,196.80	1/2	911.20	1/2	633.11	1/2	350.96	1/2	65.67	1/2		1/2	
3/4	2,047.65	3/4	1,762.05	3/4	1,476.45	3/4	1,190.85	3/4	905.25	3/4	627.39	3/4	345.01	3/4	59.78	3/4		3/4	
1	2,041.70	1	1,756.10	1	1,470.50	1	1,184.90	1	899.30	1	621.66	1	339.06	1	53.89	1		1	
1/4	2,035.75	1/4	1,750.15	1/4	1,464.55	1/4	1,178.95	1/4	893.35	1/4	615.94	1/4	333.11	1/4	48.00	1/4		1/4	
1/2	2,029.80	1/2	1,744.20	1/2	1,458.60	1/2	1,173.00	1/2	887.40	1/2	610.22	1/2	327.16	1/2	42.58	1/2		1/2	
3/4	2,023.85	3/4	1,738.25	3/4	1,452.65	3/4	1,167.05	3/4	881.45	3/4	604.50	3/4	321.21	3/4	37.17	3/4		3/4	
2	2,017.90	2	1,732.30	2	1,446.70	2	1,161.10	2	875.50	2	598.78	2	315.26	2	31.75	2		2	
1/4	2,011.95	1/4	1,726.35	1/4	1,440.75	1/4	1,155.15	1/4	869.55	1/4	593.06	1/4	309.31	1/4	26.34	1/4		1/4	
1/2	2,006.00	1/2	1,720.40	1/2	1,434.80	1/2	1,149.20	1/2	863.60	1/2	587.34	1/2	303.36	1/2	22.37	1/2		1/2	
3/4	2,000.05	3/4	1,714.45	3/4	1,428.85	3/4	1,143.25	3/4	857.65	3/4	581.62	3/4	297.41	3/4	18.41	3/4		3/4	
3	1,994.10	3	1,708.50	3	1,422.90	3	1,137.30	3	851.70	3	575.90	3	291.46	3	14.44	3		3	
1/4	1,988.15	1/4	1,702.55	1/4	1,416.95	1/4	1,131.35	1/4	845.75	1/4	570.18	1/4	285.51	1/4	10.48	1/4		1/4	
1/2	1,982.20	1/2	1,696.60	1/2	1,411.00	1/2	1,125.40	1/2	839.86	1/2	564.40	1/2	279.56	1/2		1/2		1/2	
3/4	1,976.25	3/4	1,690.65	3/4	1,405.05	3/4	1,119.45	3/4	833.96	3/4	558.63	3/4	273.61	3/4		3/4		3/4	
4	1,970.30	4	1,684.70	4	1,399.10	4	1,113.50	4	828.07	4	552.85	4	267.66	4		4		4	
1/4	1,964.35	1/4	1,678.75	1/4	1,393.15	1/4	1,107.55	1/4	822.17	1/4	547.07	1/4	261.71	1/4		1/4		1/4	
1/2	1,958.40	1/2	1,672.80	1/2	1,387.20	1/2	1,101.60	1/2	816.39	1/2	541.18	1/2	255.76	1/2		1/2		1/2	
3/4	1,952.45	3/4	1,666.85	3/4	1,381.25	3/4	1,095.65	3/4	810.61	3/4	535.28	3/4	249.81	3/4		3/4		3/4	
5	1,946.50	5	1,660.90	5	1,375.30	5	1,089.70	5	804.83	5	529.39	5	243.86	5		5		5	
1/4	1,940.55	1/4	1,654.95	1/4	1,369.35	1/4	1,083.75	1/4	799.05	1/4	523.50	1/4	237.91	1/4		1/4		1/4	
1/2	1,934.60	1/2	1,649.00	1/2	1,363.40	1/2	1,077.80	1/2	793.33	1/2	517.55	1/2	231.96	1/2		1/2		1/2	
3/4	1,928.65	3/4	1,643.05	3/4	1,357.45	3/4	1,071.85	3/4	787.60	3/4	511.60	3/4	226.01	3/4		3/4		3/4	
6	1,922.70	6	1,637.10	6	1,351.50	6	1,065.90	6	781.88	6	505.65	6	220.06	6		6		6	
1/4	1,916.75	1/4	1,631.15	1/4	1,345.55	1/4	1,059.95	1/4	776.15	1/4	499.70	1/4	214.11	1/4		1/4		1/4	
1/2	1,910.80	1/2	1,625.20	1/2	1,339.60	1/2	1,054.00	1/2	770.43	1/2	493.75	1/2	208.17	1/2		1/2		1/2	
3/4	1,904.85	3/4	1,619.25	3/4	1,333.65	3/4	1,048.05	3/4	764.70	3/4	487.80	3/4	202.22	3/4		3/4		3/4	
7	1,898.90	7	1,613.30	7	1,327.70	7	1,042.10	7	758.98	7	481.85	7	196.27	7		7		7	
1/4	1,892.95	1/4	1,607.35	1/4	1,321.75	1/4	1,036.15	1/4	753.25	1/4	475.90	1/4	190.32	1/4		1/4		1/4	
1/2	1,887.00	1/2	1,601.40	1/2	1,315.80	1/2	1,030.20	1/2	747.53	1/2	469.95	1/2	184.37	1/2		1/2		1/2	
3/4	1,881.05	3/4	1,595.45	3/4	1,309.85	3/4	1,024.25	3/4	741.80	3/4	464.00	3/4	178.42	3/4		3/4		3/4	
8	1,875.10	8	1,589.50	8	1,303.90	8	1,018.30	8	736.08	8	458.05	8	172.47	8		8		8	
1/4	1,869.15	1/4	1,583.55	1/4	1,297.95	1/4	1,012.35	1/4	730.36	1/4	452.10	1/4	166.52	1/4		1/4		1/4	
1/2	1,863.20	1/2	1,577.60	1/2	1,292.00	1/2	1,006.40	1/2	724.64	1/2	446.15	1/2	160.57	1/2		1/2		1/2	
3/4	1,857.25	3/4	1,571.65	3/4	1,286.05	3/4	1,000.45	3/4	718.91	3/4	440.20	3/4	154.62	3/4		3/4		3/4	
9	1,851.30	9	1,565.70	9	1,280.10	9	994.50	9	713.19	9	434.25	9	148.68	9		9		9	
1/4	1,845.35	1/4	1,559.75	1/4	1,274.15	1/4	988.55	1/4	707.47	1/4	428.30	1/4	142.73	1/4		1/4		1/4	
1/2	1,839.40	1/2	1,553.80	1/2	1,268.20	1/2	982.60	1/2	701.75	1/2	422.35	1/2	136.79	1/2		1/2		1/2	
3/4	1,833.45	3/4	1,547.85	3/4	1,262.25	3/4	976.65	3/4	696.03	3/4	416.40	3/4	130.84	3/4		3/4		3/4	
10	1,827.50	10	1,541.90	10	1,256.30	10	970.70	10	690.31	10	410.45	10	124.90	10		10		10	
1/4	1,821.55	1/4	1,535.95	1/4	1,250.35	1/4	964.75	1/4	684.59	1/4	404.51	1/4	118.96	1/4		1/4		1/4	
1/2	1,815.60	1/2	1,530.00	1/2	1,244.40	1/2	958.80	1/2	678.87	1/2	398.56	1/2	113.03	1/2		1/2		1/2	
3/4	1,809.65	3/4	1,524.05	3/4	1,238.45	3/4	952.85	3/4	673.15	3/4	392.61	3/4	107.09	3/4		3/4		3/4	
11	1,803.70	11	1,518.10	11	1,232.50	11	946.90	11	667.43	11	386.66	11	101.16	11		11		11	
1/4	1,797.75	1/4	1,512.15	1/4	1,226.55	1/4	940.95	1/4	661.71	1/4	380.71	1/4	95.23	1/4		1/4		1/4	
1/2	1,791.80	1/2	1,506.20	1/2	1,220.60	1/2	935.00	1/2	655.99	1/2	374.76	1/2	89.31	1/2		1/2		1/2	
3/4	1,785.85	3/4	1,500.25	3/4	1,214.65	3/4	929.05	3/4	650.27	3/4	368.81	3/4	83.39	3/4		3/4		3/4	

STRAPPED: 02/06/2012 CL - SW  
CALCULATED: 02/07/2012 CL  
PRINTED: 02/07/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2012

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "WEB 323"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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		0		0		0	4,070.49	0	3,787.45	0	3,504.45	0	3,220.66	0	2,935.74	0	2,650.82	0	2,365.90
1/4		1/4		1/4		1/4	4,064.59	1/4	3,781.55	1/4	3,498.55	1/4	3,214.72	1/4	2,929.80	1/4	2,644.88	1/4	2,359.96
1/2		1/2		1/2		1/2	4,058.69	1/2	3,775.66	1/2	3,492.66	1/2	3,208.78	1/2	2,923.87	1/2	2,638.95	1/2	2,354.03
3/4		3/4		3/4		3/4	4,052.78	3/4	3,769.76	3/4	3,486.76	3/4	3,202.85	3/4	2,917.93	3/4	2,633.01	3/4	2,348.09
1		1		1		1	4,046.88	1	3,763.87	1	3,480.86	1	3,196.91	1	2,911.99	1	2,627.08	1	2,342.16
1/4		1/4		1/4		1/4	4,040.98	1/4	3,757.97	1/4	3,474.97	1/4	3,190.98	1/4	2,906.06	1/4	2,621.14	1/4	2,336.22
1/2		1/2		1/2		1/2	4,035.08	1/2	3,752.08	1/2	3,469.07	1/2	3,185.04	1/2	2,900.12	1/2	2,615.20	1/2	2,330.29
3/4		3/4		3/4		3/4	4,029.18	3/4	3,746.18	3/4	3,463.18	3/4	3,179.10	3/4	2,894.19	3/4	2,609.27	3/4	2,324.35
2		2		2		2	4,023.29	2	3,740.28	2	3,457.28	2	3,173.17	2	2,888.25	2	2,603.33	2	2,318.41
1/4		1/4		1/4		1/4	4,017.39	1/4	3,734.39	1/4	3,451.38	1/4	3,167.23	1/4	2,882.31	1/4	2,597.40	1/4	2,312.48
1/2		1/2		1/2		1/2	4,011.49	1/2	3,728.49	1/2	3,445.49	1/2	3,161.30	1/2	2,876.38	1/2	2,591.46	1/2	2,306.54
3/4		3/4		3/4		3/4	4,005.60	3/4	3,722.60	3/4	3,439.59	3/4	3,155.36	3/4	2,870.44	3/4	2,585.52	3/4	2,300.61
3		3		3		3	3,999.70	3	3,716.70	3	3,433.70	3	3,149.43	3	2,864.51	3	2,579.59	3	2,294.67
1/4		1/4		1/4		1/4	3,993.81	1/4	3,710.80	1/4	3,427.80	1/4	3,143.49	1/4	2,858.57	1/4	2,573.65	1/4	2,288.73
1/2		1/2		1/2		1/2	3,987.91	1/2	3,704.91	1/2	3,421.90	1/2	3,137.55	1/2	2,852.64	1/2	2,567.72	1/2	2,282.80
3/4		3/4		3/4		3/4	3,982.02	3/4	3,699.01	3/4	3,416.01	3/4	3,131.62	3/4	2,846.70	3/4	2,561.78	3/4	2,276.86
4		4		4		4	3,976.12	4	3,693.12	4	3,410.11	4	3,125.68	4	2,840.76	4	2,555.85	4	2,270.93
1/4		1/4		1/4		1/4	3,970.22	1/4	3,687.22	1/4	3,404.22	1/4	3,119.75	1/4	2,834.83	1/4	2,549.91	1/4	2,264.99
1/2		1/2		1/2		1/2	3,964.33	1/2	3,681.32	1/2	3,398.32	1/2	3,113.81	1/2	2,828.89	1/2	2,543.97	1/2	2,259.06
3/4		3/4		3/4		3/4	3,958.43	3/4	3,675.43	3/4	3,392.43	3/4	3,107.88	3/4	2,822.96	3/4	2,538.04	3/4	2,253.11
5		5		5		5	3,952.54	5	3,669.53	5	3,386.53	5	3,101.94	5	2,817.02	5	2,532.10	5	2,247.17
1/4		1/4		1/4		1/4	3,946.64	1/4	3,663.64	1/4	3,380.63	1/4	3,096.00	1/4	2,811.08	1/4	2,526.17	1/4	2,241.23
1/2		1/2		1/2		1/2	3,940.74	1/2	3,657.74	1/2	3,374.74	1/2	3,090.07	1/2	2,805.15	1/2	2,520.23	1/2	2,235.29
3/4		3/4		3/4		3/4	3,934.85	3/4	3,651.84	3/4	3,368.84	3/4	3,084.13	3/4	2,799.21	3/4	2,514.29	3/4	2,229.34
6		6		6		6	3,928.95	6	3,645.95	6	3,362.95	6	3,078.20	6	2,793.28	6	2,508.36	6	2,223.39
1/4		1/4		1/4		1/4	3,923.06	1/4	3,640.05	1/4	3,357.05	1/4	3,072.26	1/4	2,787.34	1/4	2,502.42	1/4	2,217.45
1/2		1/2		1/2		1/2	3,917.16	1/2	3,634.16	1/2	3,351.15	1/2	3,066.32	1/2	2,781.41	1/2	2,496.49	1/2	2,211.50
3/4		3/4		3/4		3/4	3,911.26	3/4	3,628.26	3/4	3,345.24	3/4	3,060.39	3/4	2,775.47	3/4	2,490.55	3/4	2,205.55
7		7		7		7	4,171.33	7	3,905.37	7	3,622.37	7	3,339.33	7	3,054.45	7	2,769.53	7	2,484.62
1/4		1/4		1/4		1/4	4,168.49	1/4	3,899.47	1/4	3,616.47	1/4	3,333.41	1/4	3,048.52	1/4	2,763.60	1/4	2,478.68
1/2		1/2		1/2		1/2	4,165.64	1/2	3,893.58	1/2	3,610.57	1/2	3,327.50	1/2	3,042.58	1/2	2,757.66	1/2	2,472.74
3/4		3/4		3/4		3/4	4,161.61	3/4	3,887.68	3/4	3,604.68	3/4	3,321.56	3/4	3,036.65	3/4	2,751.73	3/4	2,466.81
8		8		8		8	4,157.58	8	3,881.79	8	3,598.78	8	3,315.63	8	3,030.71	8	2,745.79	8	2,460.87
1/4		1/4		1/4		1/4	4,153.55	1/4	3,875.89	1/4	3,592.89	1/4	3,309.69	1/4	3,024.77	1/4	2,739.86	1/4	2,454.94
1/2		1/2		1/2		1/2	4,149.51	1/2	3,869.99	1/2	3,586.99	1/2	3,303.76	1/2	3,018.84	1/2	2,733.92	1/2	2,449.00
3/4		3/4		3/4		3/4	4,144.38	3/4	3,864.10	3/4	3,581.09	3/4	3,297.82	3/4	3,012.90	3/4	2,727.98	3/4	2,443.07
9		9		9		9	4,139.24	9	3,858.20	9	3,575.20	9	3,291.88	9	3,006.97	9	2,722.05	9	2,437.13
1/4		1/4		1/4		1/4	4,134.10	1/4	3,852.31	1/4	3,569.30	1/4	3,285.95	1/4	3,001.03	1/4	2,716.11	1/4	2,431.19
1/2		1/2		1/2		1/2	4,128.96	1/2	3,846.41	1/2	3,563.41	1/2	3,280.01	1/2	2,995.09	1/2	2,710.18	1/2	2,425.26
3/4		3/4		3/4		3/4	4,123.93	3/4	3,840.51	3/4	3,557.51	3/4	3,274.08	3/4	2,989.16	3/4	2,704.24	3/4	2,419.32
10		10		10		10	4,117.42	10	3,834.62	10	3,551.61	10	3,268.14	10	2,983.22	10	2,698.30	10	2,413.39
1/4		1/4		1/4		1/4	4,111.66	1/4	3,828.72	1/4	3,545.72	1/4	3,262.21	1/4	2,977.29	1/4	2,692.37	1/4	2,407.45
1/2		1/2		1/2		1/2	4,105.89	1/2	3,822.83	1/2	3,539.82	1/2	3,256.27	1/2	2,971.35	1/2	2,686.43	1/2	2,401.51
3/4		3/4		3/4		3/4	4,099.99	3/4	3,816.93	3/4	3,533.93	3/4	3,250.33	3/4	2,965.42	3/4	2,680.50	3/4	2,395.58
11		11		11		11	4,094.09	11	3,811.03	11	3,528.03	11	3,244.40	11	2,959.48	11	2,674.56	11	2,389.64
1/4		1/4		1/4		1/4	4,088.20	1/4	3,805.14	1/4	3,522.14	1/4	3,238.46	1/4	2,953.54	1/4	2,668.63	1/4	2,383.71
1/2		1/2		1/2		1/2	4,082.30	1/2	3,799.24	1/2	3,516.24	1/2	3,232.53	1/2	2,947.61	1/2	2,662.69	1/2	2,377.77
3/4		3/4		3/4		3/4	4,076.40	3/4	3,793.35	3/4	3,510.34	3/4	3,226.59	3/4	2,941.67	3/4	2,656.75	3/4	2,371.84

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "WEB 323"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,080.68	0	1,795.26	0	1,509.84	0	1,224.41	0	938.99	0	653.76	0	368.58	0	83.34	0			
1/4	2,074.74	1/4	1,789.31	1/4	1,503.89	1/4	1,218.47	1/4	933.05	1/4	647.83	1/4	362.64	1/4	77.43	1/4			
1/2	2,068.79	1/2	1,783.37	1/2	1,497.94	1/2	1,212.52	1/2	927.10	1/2	641.89	1/2	356.69	1/2	71.52	1/2			
3/4	2,062.84	3/4	1,777.42	3/4	1,492.00	3/4	1,206.58	3/4	921.15	3/4	635.96	3/4	350.75	3/4	65.63	3/4			
1	2,056.90	1	1,771.47	1	1,486.05	1	1,200.63	1	915.21	1	630.03	1	344.80	1	59.74	1			
1/4	2,050.95	1/4	1,765.53	1/4	1,480.11	1/4	1,194.68	1/4	909.26	1/4	624.09	1/4	338.85	1/4	53.85	1/4			
1/2	2,045.00	1/2	1,759.58	1/2	1,474.16	1/2	1,188.74	1/2	903.31	1/2	618.16	1/2	332.91	1/2	47.97	1/2			
3/4	2,039.06	3/4	1,753.63	3/4	1,468.21	3/4	1,182.79	3/4	897.37	3/4	612.23	3/4	326.96	3/4	42.56	3/4			
2	2,033.11	2	1,747.69	2	1,462.27	2	1,176.84	2	891.42	2	606.29	2	321.01	2	37.14	2			
1/4	2,027.16	1/4	1,741.74	1/4	1,456.32	1/4	1,170.90	1/4	885.48	1/4	600.36	1/4	315.07	1/4	31.73	1/4			
1/2	2,021.22	1/2	1,735.80	1/2	1,450.37	1/2	1,164.95	1/2	879.53	1/2	594.43	1/2	309.12	1/2	26.32	1/2			
3/4	2,015.27	3/4	1,729.85	3/4	1,444.43	3/4	1,159.00	3/4	873.58	3/4	588.50	3/4	303.18	3/4	22.36	3/4			
3	2,009.33	3	1,723.90	3	1,438.48	3	1,153.06	3	867.64	3	582.56	3	297.23	3	18.40	3			
1/4	2,003.38	1/4	1,717.96	1/4	1,432.53	1/4	1,147.11	1/4	861.69	1/4	576.63	1/4	291.28	1/4	14.44	1/4			
1/2	1,997.43	1/2	1,712.01	1/2	1,426.59	1/2	1,141.17	1/2	855.74	1/2	570.70	1/2	285.34	1/2	10.47	1/2			
3/4	1,991.49	3/4	1,706.06	3/4	1,420.64	3/4	1,135.22	3/4	849.80	3/4	564.76	3/4	279.39	3/4		3/4			
4	1,985.54	4	1,700.12	4	1,414.70	4	1,129.27	4	843.85	4	558.83	4	273.45	4		4			
1/4	1,979.59	1/4	1,694.17	1/4	1,408.75	1/4	1,123.33	1/4	837.90	1/4	552.89	1/4	267.50	1/4		1/4			
1/2	1,973.65	1/2	1,688.23	1/2	1,402.80	1/2	1,117.38	1/2	831.96	1/2	546.95	1/2	261.55	1/2		1/2			
3/4	1,967.70	3/4	1,682.28	3/4	1,396.86	3/4	1,111.43	3/4	826.01	3/4	541.01	3/4	255.61	3/4		3/4			
5	1,961.76	5	1,676.33	5	1,390.91	5	1,105.49	5	820.07	5	535.07	5	249.66	5		5			
1/4	1,955.81	1/4	1,670.39	1/4	1,384.96	1/4	1,099.54	1/4	814.12	1/4	529.12	1/4	243.72	1/4		1/4			
1/2	1,949.86	1/2	1,664.44	1/2	1,379.02	1/2	1,093.60	1/2	808.17	1/2	523.18	1/2	237.77	1/2		1/2			
3/4	1,943.92	3/4	1,658.49	3/4	1,373.07	3/4	1,087.65	3/4	802.23	3/4	517.24	3/4	231.82	3/4		3/4			
6	1,937.97	6	1,652.55	6	1,367.13	6	1,081.70	6	796.28	6	511.29	6	225.88	6		6			
1/4	1,932.02	1/4	1,646.60	1/4	1,361.18	1/4	1,075.76	1/4	790.33	1/4	505.34	1/4	219.93	1/4		1/4			
1/2	1,926.08	1/2	1,640.66	1/2	1,355.23	1/2	1,069.81	1/2	784.39	1/2	499.40	1/2	213.98	1/2		1/2			
3/4	1,920.13	3/4	1,634.71	3/4	1,349.29	3/4	1,063.86	3/4	778.44	3/4	493.45	3/4	208.04	3/4		3/4			
7	1,914.18	7	1,628.76	7	1,343.34	7	1,057.92	7	772.50	7	487.51	7	202.09	7		7			
1/4	1,908.24	1/4	1,622.82	1/4	1,337.39	1/4	1,051.97	1/4	766.55	1/4	481.56	1/4	196.15	1/4		1/4			
1/2	1,902.29	1/2	1,616.87	1/2	1,331.45	1/2	1,046.03	1/2	760.60	1/2	475.61	1/2	190.20	1/2		1/2			
3/4	1,896.35	3/4	1,610.92	3/4	1,325.50	3/4	1,040.08	3/4	754.66	3/4	469.67	3/4	184.25	3/4		3/4			
8	1,890.40	8	1,604.98	8	1,319.55	8	1,034.13	8	748.72	8	463.72	8	178.31	8		8			
1/4	1,884.45	1/4	1,599.03	1/4	1,313.61	1/4	1,028.19	1/4	742.77	1/4	457.77	1/4	172.36	1/4		1/4			
1/2	1,878.51	1/2	1,593.08	1/2	1,307.66	1/2	1,022.24	1/2	736.83	1/2	451.83	1/2	166.42	1/2		1/2			
3/4	1,872.56	3/4	1,587.14	3/4	1,301.72	3/4	1,016.29	3/4	730.90	3/4	445.88	3/4	160.47	3/4		3/4			
9	1,866.61	9	1,581.19	9	1,295.77	9	1,010.35	9	724.96	9	439.94	9	154.53	9		9			
1/4	1,860.67	1/4	1,575.25	1/4	1,289.82	1/4	1,004.40	1/4	719.02	1/4	433.99	1/4	148.59	1/4		1/4			
1/2	1,854.72	1/2	1,569.30	1/2	1,283.88	1/2	998.45	1/2	713.09	1/2	428.04	1/2	142.64	1/2		1/2			
3/4	1,848.78	3/4	1,563.35	3/4	1,277.93	3/4	992.51	3/4	707.15	3/4	422.10	3/4	136.70	3/4		3/4			
10	1,842.83	10	1,557.41	10	1,271.98	10	986.56	10	701.22	10	416.15	10	130.76	10		10			
1/4	1,836.88	1/4	1,551.46	1/4	1,266.04	1/4	980.62	1/4	695.29	1/4	410.21	1/4	124.83	1/4		1/4			
1/2	1,830.94	1/2	1,545.51	1/2	1,260.09	1/2	974.67	1/2	689.36	1/2	404.26	1/2	118.89	1/2		1/2			
3/4	1,824.99	3/4	1,539.57	3/4	1,254.15	3/4	968.72	3/4	683.42	3/4	398.31	3/4	112.96	3/4		3/4			
11	1,819.04	11	1,533.62	11	1,248.20	11	962.78	11	677.49	11	392.37	11	107.03	11		11			
1/4	1,813.10	1/4	1,527.68	1/4	1,242.26	1/4	956.83	1/4	671.56	1/4	386.42	1/4	101.10	1/4		1/4			
1/2	1,807.15	1/2	1,521.73	1/2	1,236.31	1/2	950.88	1/2	665.62	1/2	380.48	1/2	95.17	1/2		1/2			
3/4	1,801.21	3/4	1,515.78	3/4	1,230.36	3/4	944.94	3/4	659.69	3/4	374.53	3/4	89.26	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2012 CL - SW  
CALCULATED: 02/07/2012 CL  
PRINTED: 02/07/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2012

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77568  
<http://www.pmacorp.net>



# BARGE "WEB 323"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,383.96	0	4,077.37	0	3,770.80	0	3,463.34	0	3,154.86	0	2,846.38	0	2,537.89
1/4		1/4		1/4		1/4	4,377.57	1/4	4,070.98	1/4	3,764.41	1/4	3,456.91	1/4	3,148.43	1/4	2,839.95	1/4	2,531.47
1/2		1/2		1/2		1/2	4,371.18	1/2	4,064.59	1/2	3,758.02	1/2	3,450.49	1/2	3,142.00	1/2	2,833.52	1/2	2,525.04
3/4		3/4		3/4		3/4	4,364.78	3/4	4,058.21	3/4	3,751.63	3/4	3,444.06	3/4	3,135.58	3/4	2,827.10	3/4	2,518.61
1		1		1		1	4,358.39	1	4,051.82	1	3,745.25	1	3,437.63	1	3,129.15	1	2,820.67	1	2,512.19
1/4		1/4		1/4		1/4	4,352.00	1/4	4,045.43	1/4	3,738.86	1/4	3,431.21	1/4	3,122.72	1/4	2,814.24	1/4	2,505.76
1/2		1/2		1/2		1/2	4,345.62	1/2	4,039.04	1/2	3,732.47	1/2	3,424.78	1/2	3,116.30	1/2	2,807.82	1/2	2,499.33
3/4		3/4		3/4		3/4	4,339.23	3/4	4,032.66	3/4	3,726.09	3/4	3,418.35	3/4	3,109.87	3/4	2,801.39	3/4	2,492.91
2		2		2		2	4,332.84	2	4,026.27	2	3,719.70	2	3,411.93	2	3,103.44	2	2,794.96	2	2,486.48
1/4		1/4		1/4		1/4	4,326.46	1/4	4,019.88	1/4	3,713.31	1/4	3,405.50	1/4	3,097.02	1/4	2,788.54	1/4	2,480.05
1/2		1/2		1/2		1/2	4,320.07	1/2	4,013.50	1/2	3,706.93	1/2	3,399.07	1/2	3,090.59	1/2	2,782.11	1/2	2,473.63
3/4		3/4		3/4		3/4	4,313.68	3/4	4,007.11	3/4	3,700.54	3/4	3,392.65	3/4	3,084.16	3/4	2,775.68	3/4	2,467.20
3		3		3		3	4,307.29	3	4,000.72	3	3,694.15	3	3,386.22	3	3,077.74	3	2,769.26	3	2,460.77
1/4		1/4		1/4		1/4	4,300.91	1/4	3,994.34	1/4	3,687.77	1/4	3,379.79	1/4	3,071.31	1/4	2,762.83	1/4	2,454.35
1/2		1/2		1/2		1/2	4,294.52	1/2	3,987.95	1/2	3,681.38	1/2	3,373.37	1/2	3,064.88	1/2	2,756.40	1/2	2,447.92
3/4		3/4		3/4		3/4	4,288.13	3/4	3,981.56	3/4	3,674.99	3/4	3,366.94	3/4	3,058.46	3/4	2,749.98	3/4	2,441.49
4		4		4		4	4,281.75	4	3,975.18	4	3,668.60	4	3,360.51	4	3,052.03	4	2,743.55	4	2,435.07
1/4		1/4		1/4		1/4	4,275.36	1/4	3,968.79	1/4	3,662.22	1/4	3,354.09	1/4	3,045.60	1/4	2,737.12	1/4	2,428.63
1/2		1/2		1/2		1/2	4,268.97	1/2	3,962.40	1/2	3,655.83	1/2	3,347.66	1/2	3,039.18	1/2	2,730.70	1/2	2,422.20
3/4		3/4		3/4		3/4	4,262.59	3/4	3,956.02	3/4	3,649.44	3/4	3,341.23	3/4	3,032.75	3/4	2,724.27	3/4	2,415.77
5		5		5		5	4,256.20	5	3,949.63	5	3,643.06	5	3,334.81	5	3,026.32	5	2,717.84	5	2,409.33
1/4		1/4		1/4		1/4	4,249.81	1/4	3,943.24	1/4	3,636.67	1/4	3,328.38	1/4	3,019.90	1/4	2,711.42	1/4	2,402.90
1/2		1/2		1/2		1/2	4,243.43	1/2	3,936.85	1/2	3,630.28	1/2	3,321.95	1/2	3,013.47	1/2	2,704.99	1/2	2,396.46
3/4		3/4		3/4		3/4	4,237.04	3/4	3,930.47	3/4	3,623.90	3/4	3,315.52	3/4	3,007.04	3/4	2,698.56	3/4	2,390.02
6		6		6		6	4,230.65	6	3,924.08	6	3,617.51	6	3,309.10	6	3,000.62	6	2,692.14	6	2,383.58
1/4		1/4		1/4		1/4	4,224.26	1/4	3,917.69	1/4	3,611.10	1/4	3,302.67	1/4	2,994.19	1/4	2,685.71	1/4	2,377.15
1/2		1/2		1/2	4,506.07	1/2	4,217.88	1/2	3,911.31	1/2	3,604.69	1/2	3,296.24	1/2	2,987.76	1/2	2,679.28	1/2	2,370.71
3/4		3/4		3/4	4,502.98	3/4	4,211.49	3/4	3,904.92	3/4	3,598.28	3/4	3,289.82	3/4	2,981.34	3/4	2,672.85	3/4	2,364.27
7		7		7	4,499.89	7	4,205.10	7	3,898.53	7	3,591.87	7	3,283.39	7	2,974.91	7	2,666.43	7	2,357.83
1/4		1/4		1/4	4,495.51	1/4	4,198.72	1/4	3,892.15	1/4	3,585.45	1/4	3,276.96	1/4	2,968.48	1/4	2,660.00	1/4	2,351.40
1/2		1/2		1/2	4,491.14	1/2	4,192.33	1/2	3,885.76	1/2	3,579.02	1/2	3,270.54	1/2	2,962.06	1/2	2,653.57	1/2	2,344.96
3/4		3/4		3/4	4,486.76	3/4	4,185.94	3/4	3,879.37	3/4	3,572.59	3/4	3,264.11	3/4	2,955.63	3/4	2,647.15	3/4	2,338.52
8		8		8	4,482.39	8	4,179.56	8	3,872.99	8	3,566.17	8	3,257.68	8	2,949.20	8	2,640.72	8	2,332.09
1/4		1/4		1/4	4,476.81	1/4	4,173.17	1/4	3,866.60	1/4	3,559.74	1/4	3,251.26	1/4	2,942.78	1/4	2,634.29	1/4	2,325.65
1/2		1/2		1/2	4,471.24	1/2	4,166.78	1/2	3,860.21	1/2	3,553.31	1/2	3,244.83	1/2	2,936.35	1/2	2,627.87	1/2	2,319.21
3/4		3/4		3/4	4,465.67	3/4	4,160.40	3/4	3,853.82	3/4	3,546.89	3/4	3,238.40	3/4	2,929.92	3/4	2,621.44	3/4	2,312.77
9		9		9	4,460.10	9	4,154.01	9	3,847.44	9	3,540.46	9	3,231.98	9	2,923.50	9	2,615.01	9	2,306.34
1/4		1/4		1/4	4,453.84	1/4	4,147.62	1/4	3,841.05	1/4	3,534.03	1/4	3,225.55	1/4	2,917.07	1/4	2,608.59	1/4	2,299.90
1/2		1/2		1/2	4,447.59	1/2	4,141.24	1/2	3,834.66	1/2	3,527.61	1/2	3,219.12	1/2	2,910.64	1/2	2,602.16	1/2	2,293.46
3/4		3/4		3/4	4,441.34	3/4	4,134.85	3/4	3,828.28	3/4	3,521.18	3/4	3,212.70	3/4	2,904.22	3/4	2,595.73	3/4	2,287.02
10		10		10	4,435.09	10	4,128.46	10	3,821.89	10	3,514.75	10	3,206.27	10	2,897.79	10	2,589.31	10	2,280.59
1/4		1/4		1/4	4,428.70	1/4	4,122.07	1/4	3,815.50	1/4	3,508.33	1/4	3,199.84	1/4	2,891.36	1/4	2,582.88	1/4	2,274.15
1/2		1/2		1/2	4,422.31	1/2	4,115.69	1/2	3,809.12	1/2	3,501.90	1/2	3,193.42	1/2	2,884.94	1/2	2,576.45	1/2	2,267.71
3/4		3/4		3/4	4,415.93	3/4	4,109.30	3/4	3,802.73	3/4	3,495.47	3/4	3,186.99	3/4	2,878.51	3/4	2,570.03	3/4	2,261.28
11		11		11	4,409.54	11	4,102.91	11	3,796.34	11	3,489.05	11	3,180.56	11	2,872.08	11	2,563.60	11	2,254.84
1/4		1/4		1/4	4,403.15	1/4	4,096.53	1/4	3,789.96	1/4	3,482.62	1/4	3,174.14	1/4	2,865.66	1/4	2,557.17	1/4	2,248.40
1/2		1/2		1/2	4,396.75	1/2	4,090.14	1/2	3,783.57	1/2	3,476.19	1/2	3,167.71	1/2	2,859.23	1/2	2,550.75	1/2	2,241.96
3/4		3/4		3/4	4,390.36	3/4	4,083.75	3/4	3,777.18	3/4	3,469.77	3/4	3,161.28	3/4	2,852.80	3/4	2,544.32	3/4	2,235.53

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 35'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77568  
<http://www.pmacorp.net>





# BARGE "WEB 323"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,229.09	0	1,920.10	0	1,611.11	0	1,302.12	0	993.13	0	691.41	0	386.10	0	77.38	0		0	
1/4	2,222.65	1/4	1,913.66	1/4	1,604.67	1/4	1,295.68	1/4	986.69	1/4	685.20	1/4	379.66	1/4	71.00	1/4		1/4	
1/2	2,216.21	1/2	1,907.22	1/2	1,598.23	1/2	1,289.24	1/2	980.25	1/2	679.00	1/2	373.22	1/2	64.63	1/2		1/2	
3/4	2,209.78	3/4	1,900.79	3/4	1,591.80	3/4	1,282.81	3/4	973.82	3/4	672.79	3/4	366.79	3/4	58.26	3/4		3/4	
1	2,203.34	1	1,894.35	1	1,585.36	1	1,276.37	1	967.38	1	666.58	1	360.35	1	51.88	1		1	
1/4	2,196.90	1/4	1,887.91	1/4	1,578.92	1/4	1,269.93	1/4	960.94	1/4	660.37	1/4	353.91	1/4	46.02	1/4		1/4	
1/2	2,190.46	1/2	1,881.47	1/2	1,572.48	1/2	1,263.49	1/2	954.50	1/2	654.16	1/2	347.48	1/2	40.17	1/2		1/2	
3/4	2,184.03	3/4	1,875.04	3/4	1,566.05	3/4	1,257.06	3/4	948.07	3/4	647.96	3/4	341.04	3/4	34.31	3/4		3/4	
2	2,177.59	2	1,868.60	2	1,559.61	2	1,250.62	2	941.63	2	641.75	2	334.60	2	28.45	2		2	
1/4	2,171.15	1/4	1,862.16	1/4	1,553.17	1/4	1,244.18	1/4	935.19	1/4	635.54	1/4	328.16	1/4	24.16	1/4		1/4	
1/2	2,164.72	1/2	1,855.73	1/2	1,546.73	1/2	1,237.74	1/2	928.75	1/2	629.33	1/2	321.73	1/2	19.87	1/2		1/2	
3/4	2,158.28	3/4	1,849.29	3/4	1,540.30	3/4	1,231.31	3/4	922.32	3/4	623.12	3/4	315.29	3/4	15.58	3/4		3/4	
3	2,151.84	3	1,842.85	3	1,533.86	3	1,224.87	3	915.88	3	616.92	3	308.85	3	11.29	3		3	
1/4	2,145.40	1/4	1,836.41	1/4	1,527.42	1/4	1,218.43	1/4	909.50	1/4	610.65	1/4	302.42	1/4		1/4		1/4	
1/2	2,138.97	1/2	1,829.98	1/2	1,520.99	1/2	1,212.00	1/2	903.12	1/2	604.39	1/2	295.98	1/2	295.98	1/2		1/2	
3/4	2,132.53	3/4	1,823.54	3/4	1,514.55	3/4	1,205.56	3/4	896.74	3/4	598.12	3/4	289.54	3/4		3/4		3/4	
4	2,126.09	4	1,817.10	4	1,508.11	4	1,199.12	4	890.36	4	591.86	4	283.11	4		4		4	
1/4	2,119.65	1/4	1,810.66	1/4	1,501.67	1/4	1,192.68	1/4	884.09	1/4	585.48	1/4	276.67	1/4		1/4		1/4	
1/2	2,113.22	1/2	1,804.23	1/2	1,495.24	1/2	1,186.25	1/2	877.82	1/2	579.10	1/2	270.23	1/2		1/2		1/2	
3/4	2,106.78	3/4	1,797.79	3/4	1,488.80	3/4	1,179.81	3/4	871.55	3/4	572.72	3/4	263.79	3/4		3/4		3/4	
5	2,100.34	5	1,791.35	5	1,482.36	5	1,173.37	5	865.28	5	566.34	5	257.36	5		5		5	
1/4	2,093.91	1/4	1,784.91	1/4	1,475.92	1/4	1,166.93	1/4	859.07	1/4	559.90	1/4	250.92	1/4		1/4		1/4	
1/2	2,087.47	1/2	1,778.48	1/2	1,469.49	1/2	1,160.50	1/2	852.86	1/2	553.46	1/2	244.48	1/2		1/2		1/2	
3/4	2,081.03	3/4	1,772.04	3/4	1,463.05	3/4	1,154.06	3/4	846.64	3/4	547.03	3/4	238.06	3/4		3/4		3/4	
6	2,074.59	6	1,765.60	6	1,456.61	6	1,147.62	6	840.43	6	540.59	6	231.61	6		6		6	
1/4	2,068.16	1/4	1,759.17	1/4	1,450.18	1/4	1,141.18	1/4	834.22	1/4	534.15	1/4	225.17	1/4		1/4		1/4	
1/2	2,061.72	1/2	1,752.73	1/2	1,443.74	1/2	1,134.75	1/2	828.01	1/2	527.71	1/2	218.73	1/2		1/2		1/2	
3/4	2,055.28	3/4	1,746.29	3/4	1,437.30	3/4	1,128.31	3/4	821.80	3/4	521.28	3/4	212.30	3/4		3/4		3/4	
7	2,048.84	7	1,739.85	7	1,430.86	7	1,121.87	7	815.58	7	514.84	7	205.86	7		7		7	
1/4	2,042.41	1/4	1,733.42	1/4	1,424.43	1/4	1,115.44	1/4	809.37	1/4	508.40	1/4	199.42	1/4		1/4		1/4	
1/2	2,035.97	1/2	1,726.98	1/2	1,417.99	1/2	1,109.00	1/2	803.16	1/2	501.97	1/2	192.99	1/2		1/2		1/2	
3/4	2,029.53	3/4	1,720.54	3/4	1,411.55	3/4	1,102.56	3/4	796.95	3/4	495.53	3/4	186.55	3/4		3/4		3/4	
8	2,023.10	8	1,714.10	8	1,405.11	8	1,096.12	8	790.74	8	489.09	8	180.11	8		8		8	
1/4	2,016.66	1/4	1,707.67	1/4	1,398.68	1/4	1,089.69	1/4	784.53	1/4	482.66	1/4	173.68	1/4		1/4		1/4	
1/2	2,010.22	1/2	1,701.23	1/2	1,392.24	1/2	1,083.25	1/2	778.32	1/2	476.22	1/2	167.24	1/2		1/2		1/2	
3/4	2,003.78	3/4	1,694.79	3/4	1,385.80	3/4	1,076.81	3/4	772.11	3/4	469.78	3/4	160.81	3/4		3/4		3/4	
9	1,997.35	9	1,688.36	9	1,379.37	9	1,070.37	9	765.90	9	463.34	9	154.37	9		9		9	
1/4	1,990.91	1/4	1,681.92	1/4	1,372.93	1/4	1,063.94	1/4	759.70	1/4	456.91	1/4	147.94	1/4		1/4		1/4	
1/2	1,984.47	1/2	1,675.48	1/2	1,366.49	1/2	1,057.50	1/2	753.49	1/2	450.47	1/2	141.52	1/2		1/2		1/2	
3/4	1,978.03	3/4	1,669.04	3/4	1,360.05	3/4	1,051.06	3/4	747.28	3/4	444.03	3/4	135.09	3/4		3/4		3/4	
10	1,971.60	10	1,662.61	10	1,353.62	10	1,044.63	10	741.07	10	437.60	10	128.66	10		10		10	
1/4	1,965.16	1/4	1,656.17	1/4	1,347.18	1/4	1,038.19	1/4	734.87	1/4	431.16	1/4	122.24	1/4		1/4		1/4	
1/2	1,958.72	1/2	1,649.73	1/2	1,340.74	1/2	1,031.75	1/2	728.66	1/2	424.72	1/2	115.82	1/2		1/2		1/2	
3/4	1,952.28	3/4	1,643.29	3/4	1,334.30	3/4	1,025.31	3/4	722.45	3/4	418.28	3/4	109.40	3/4		3/4		3/4	
11	1,945.85	11	1,636.86	11	1,327.87	11	1,018.88	11	716.24	11	411.85	11	102.98	11		11		11	
1/4	1,939.41	1/4	1,630.42	1/4	1,321.43	1/4	1,012.44	1/4	710.03	1/4	405.41	1/4	96.58	1/4		1/4		1/4	
1/2	1,932.97	1/2	1,623.98	1/2	1,314.99	1/2	1,006.00	1/2	703.83	1/2	398.97	1/2	90.18	1/2		1/2		1/2	
3/4	1,926.54	3/4	1,617.55	3/4	1,308.55	3/4	999.56	3/4	697.62	3/4	392.54	3/4	83.78	3/4		3/4		3/4	

STRAPPED: 02/06/2012 CL - SW  
CALCULATED: 02/07/2012 CL  
PRINTED: 02/07/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2012

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "WEB 323"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

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	0	0	0	0		0	4,396.96	0	4,090.19	0	3,783.44	0	3,475.82	0	3,167.17	0	2,858.51	0	2,549.85
1/4	1/4	1/4	1/4	1/4		1/4	4,390.56	1/4	4,083.79	1/4	3,777.05	1/4	3,469.39	1/4	3,160.73	1/4	2,852.08	1/4	2,543.42
1/2	1/2	1/2	1/2	1/2		1/2	4,384.16	1/2	4,077.40	1/2	3,770.66	1/2	3,462.96	1/2	3,154.30	1/2	2,846.65	1/2	2,536.99
3/4	3/4	3/4	3/4	3/4		3/4	4,377.76	3/4	4,071.01	3/4	3,764.27	3/4	3,456.53	3/4	3,147.87	3/4	2,839.21	3/4	2,530.56
1	1	1	1	1		1	4,371.37	1	4,064.62	1	3,757.88	1	3,450.10	1	3,141.44	1	2,832.78	1	2,524.13
1/4	1/4	1/4	1/4	1/4		1/4	4,364.98	1/4	4,058.23	1/4	3,751.49	1/4	3,443.67	1/4	3,135.01	1/4	2,826.35	1/4	2,517.69
1/2	1/2	1/2	1/2	1/2		1/2	4,358.59	1/2	4,051.84	1/2	3,745.10	1/2	3,437.24	1/2	3,128.58	1/2	2,819.92	1/2	2,511.26
3/4	3/4	3/4	3/4	3/4		3/4	4,352.20	3/4	4,045.45	3/4	3,738.71	3/4	3,430.81	3/4	3,122.15	3/4	2,813.49	3/4	2,504.83
2	2	2	2	2		2	4,345.81	2	4,039.06	2	3,732.32	2	3,424.38	2	3,115.72	2	2,807.06	2	2,498.40
1/4	1/4	1/4	1/4	1/4		1/4	4,339.42	1/4	4,032.67	1/4	3,725.93	1/4	3,417.95	1/4	3,109.29	1/4	2,800.63	1/4	2,491.97
1/2	1/2	1/2	1/2	1/2		1/2	4,333.02	1/2	4,026.28	1/2	3,719.54	1/2	3,411.52	1/2	3,102.86	1/2	2,794.20	1/2	2,485.54
3/4	3/4	3/4	3/4	3/4		3/4	4,326.63	3/4	4,019.89	3/4	3,713.15	3/4	3,405.09	3/4	3,096.43	3/4	2,787.77	3/4	2,479.11
3	3	3	3	3		3	4,320.24	3	4,013.50	3	3,706.76	3	3,398.66	3	3,090.00	3	2,781.34	3	2,472.68
1/4	1/4	1/4	1/4	1/4		1/4	4,313.85	1/4	4,007.11	1/4	3,700.36	1/4	3,392.23	1/4	3,083.57	1/4	2,774.91	1/4	2,466.25
1/2	1/2	1/2	1/2	1/2		1/2	4,307.46	1/2	4,000.72	1/2	3,693.97	1/2	3,385.80	1/2	3,077.14	1/2	2,768.48	1/2	2,459.82
3/4	3/4	3/4	3/4	3/4		3/4	4,301.07	3/4	3,994.33	3/4	3,687.58	3/4	3,379.37	3/4	3,070.71	3/4	2,762.05	3/4	2,453.39
4	4	4	4	4		4	4,294.68	4	3,987.94	4	3,681.19	4	3,372.94	4	3,064.28	4	2,755.62	4	2,446.96
1/4	1/4	1/4	1/4	1/4		1/4	4,288.29	1/4	3,981.55	1/4	3,674.80	1/4	3,366.51	1/4	3,057.85	1/4	2,749.19	1/4	2,440.52
1/2	1/2	1/2	1/2	1/2		1/2	4,281.90	1/2	3,975.16	1/2	3,668.41	1/2	3,360.08	1/2	3,051.42	1/2	2,742.76	1/2	2,434.08
3/4	3/4	3/4	3/4	3/4		3/4	4,275.51	3/4	3,968.77	3/4	3,662.02	3/4	3,353.65	3/4	3,044.99	3/4	2,736.33	3/4	2,427.64
5	5	5	5	5		5	4,269.12	5	3,962.38	5	3,655.63	5	3,347.22	5	3,038.56	5	2,729.90	5	2,421.21
1/4	1/4	1/4	1/4	1/4		1/4	4,262.73	1/4	3,955.98	1/4	3,649.24	1/4	3,340.79	1/4	3,032.13	1/4	2,723.47	1/4	2,414.76
1/2	1/2	1/2	1/2	1/2		1/2	4,256.34	1/2	3,949.59	1/2	3,642.85	1/2	3,334.36	1/2	3,025.70	1/2	2,717.04	1/2	2,408.32
3/4	3/4	3/4	3/4	3/4		3/4	4,249.95	3/4	3,943.20	3/4	3,636.46	3/4	3,327.93	3/4	3,019.27	3/4	2,710.61	3/4	2,401.88
6	6	6	6	6		6	4,243.56	6	3,936.81	6	3,630.07	6	3,321.49	6	3,012.84	6	2,704.18	6	2,395.44
1/4	1/4	1/4	1/4	1/4		1/4	4,237.17	1/4	3,930.42	1/4	3,623.66	1/4	3,315.06	1/4	3,006.41	1/4	2,697.75	1/4	2,389.00
1/2	1/2	1/2	1/2	1/2	4,519.13	1/2	4,230.78	1/2	3,924.03	1/2	3,617.25	1/2	3,308.63	1/2	2,999.97	1/2	2,691.32	1/2	2,382.56
3/4	3/4	3/4	3/4	3/4	4,516.04	3/4	4,224.39	3/4	3,917.64	3/4	3,610.84	3/4	3,302.20	3/4	2,993.54	3/4	2,684.89	3/4	2,376.12
7	7	7	7	7	4,512.95	7	4,218.00	7	3,911.25	7	3,604.43	7	3,295.77	7	2,987.11	7	2,678.45	7	2,369.68
1/4	1/4	1/4	1/4	1/4	4,508.57	1/4	4,211.60	1/4	3,904.86	1/4	3,598.00	1/4	3,289.34	1/4	2,980.68	1/4	2,672.02	1/4	2,363.24
1/2	1/2	1/2	1/2	1/2	4,504.19	1/2	4,205.21	1/2	3,898.47	1/2	3,591.57	1/2	3,282.91	1/2	2,974.25	1/2	2,665.59	1/2	2,356.80
3/4	3/4	3/4	3/4	3/4	4,499.81	3/4	4,198.82	3/4	3,892.08	3/4	3,585.14	3/4	3,276.48	3/4	2,967.82	3/4	2,659.16	3/4	2,350.36
8	8	8	8	8	4,495.44	8	4,192.43	8	3,885.69	8	3,578.71	8	3,270.05	8	2,961.39	8	2,652.73	8	2,343.91
1/4	1/4	1/4	1/4	1/4	4,489.86	1/4	4,186.04	1/4	3,879.30	1/4	3,572.28	1/4	3,263.62	1/4	2,954.96	1/4	2,646.30	1/4	2,337.47
1/2	1/2	1/2	1/2	1/2	4,484.28	1/2	4,179.65	1/2	3,872.91	1/2	3,565.85	1/2	3,257.19	1/2	2,948.53	1/2	2,639.87	1/2	2,331.03
3/4	3/4	3/4	3/4	3/4	4,478.71	3/4	4,173.26	3/4	3,866.52	3/4	3,559.42	3/4	3,250.76	3/4	2,942.10	3/4	2,633.44	3/4	2,324.59
9	9	9	9	9	4,473.13	9	4,166.87	9	3,860.13	9	3,552.99	9	3,244.33	9	2,935.67	9	2,627.01	9	2,318.15
1/4	1/4	1/4	1/4	1/4	4,466.88	1/4	4,160.48	1/4	3,853.74	1/4	3,546.56	1/4	3,237.90	1/4	2,929.24	1/4	2,620.58	1/4	2,311.71
1/2	1/2	1/2	1/2	1/2	4,460.62	1/2	4,154.09	1/2	3,847.35	1/2	3,540.13	1/2	3,231.47	1/2	2,922.81	1/2	2,614.15	1/2	2,305.27
3/4	3/4	3/4	3/4	3/4	4,454.36	3/4	4,147.70	3/4	3,840.96	3/4	3,533.70	3/4	3,225.04	3/4	2,916.38	3/4	2,607.72	3/4	2,298.83
10	10	10	10	10	4,448.11	10	4,141.31	10	3,834.57	10	3,527.27	10	3,218.61	10	2,909.95	10	2,601.29	10	2,292.39
1/4	1/4	1/4	1/4	1/4	4,441.72	1/4	4,134.92	1/4	3,828.17	1/4	3,520.84	1/4	3,212.18	1/4	2,903.52	1/4	2,594.86	1/4	2,285.95
1/2	1/2	1/2	1/2	1/2	4,435.33	1/2	4,128.53	1/2	3,821.78	1/2	3,514.41	1/2	3,205.75	1/2	2,897.09	1/2	2,588.43	1/2	2,279.51
3/4	3/4	3/4	3/4	3/4	4,428.94	3/4	4,122.14	3/4	3,815.39	3/4	3,507.98	3/4	3,199.32	3/4	2,890.66	3/4	2,582.00	3/4	2,273.06
11	11	11	11	11	4,422.55	11	4,115.75	11	3,809.00	11	3,501.55	11	3,192.89	11	2,884.23	11	2,575.57	11	2,266.62
1/4	1/4	1/4	1/4	1/4	4,416.15	1/4	4,109.36	1/4	3,802.61	1/4	3,495.12	1/4	3,186.46	1/4	2,877.80	1/4	2,569.14	1/4	2,260.18
1/2	1/2	1/2	1/2	1/2	4,409.75	1/2	4,102.97	1/2	3,796.22	1/2	3,488.69	1/2	3,180.03	1/2	2,871.37	1/2	2,562.71	1/2	2,253.74
3/4	3/4	3/4	3/4	3/4	4,403.35	3/4	4,096.58	3/4	3,789.83	3/4	3,482.25	3/4	3,173.60	3/4	2,864.94	3/4	2,556.28	3/4	2,247.30

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 36'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "WEB 323"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,240.86	0	1,931.70	0	1,622.53	0	1,313.37	0	1,004.21	0	695.26	0	386.32	0	77.42	0		0	
1/4	2,234.42	1/4	1,925.26	1/4	1,616.09	1/4	1,306.93	1/4	997.77	1/4	688.83	1/4	379.87	1/4	71.04	1/4		1/4	
1/2	2,227.98	1/2	1,918.81	1/2	1,609.65	1/2	1,300.49	1/2	991.33	1/2	682.40	1/2	373.43	1/2	64.66	1/2		1/2	
3/4	2,221.54	3/4	1,912.37	3/4	1,603.21	3/4	1,294.05	3/4	984.88	3/4	675.98	3/4	366.99	3/4	58.29	3/4		3/4	
1	2,215.10	1	1,905.93	1	1,596.77	1	1,287.61	1	978.44	1	669.55	1	360.55	1	51.91	1		1	
1/4	2,208.66	1/4	1,899.49	1/4	1,590.33	1/4	1,281.17	1/4	972.00	1/4	663.12	1/4	354.11	1/4	46.05	1/4		1/4	
1/2	2,202.21	1/2	1,893.05	1/2	1,583.89	1/2	1,274.72	1/2	965.56	1/2	656.69	1/2	347.67	1/2	40.19	1/2		1/2	
3/4	2,195.77	3/4	1,886.61	3/4	1,577.45	3/4	1,268.28	3/4	959.12	3/4	650.27	3/4	341.23	3/4	34.33	3/4		3/4	
2	2,189.33	2	1,880.17	2	1,571.01	2	1,261.84	2	952.68	2	643.84	2	334.79	2	28.47	2		2	
1/4	2,182.89	1/4	1,873.73	1/4	1,564.57	1/4	1,255.40	1/4	946.24	1/4	637.41	1/4	328.35	1/4	24.17	1/4		1/4	
1/2	2,176.45	1/2	1,867.29	1/2	1,558.12	1/2	1,248.96	1/2	939.80	1/2	630.98	1/2	321.91	1/2	19.88	1/2		1/2	
3/4	2,170.01	3/4	1,860.85	3/4	1,551.68	3/4	1,242.52	3/4	933.36	3/4	624.56	3/4	315.47	3/4	15.59	3/4		3/4	
3	2,163.57	3	1,854.41	3	1,545.24	3	1,236.08	3	926.92	3	618.13	3	309.03	3	11.30	3		3	
1/4	2,157.13	1/4	1,847.96	1/4	1,538.80	1/4	1,229.64	1/4	920.48	1/4	611.70	1/4	302.59	1/4		1/4		1/4	
1/2	2,150.69	1/2	1,841.52	1/2	1,532.36	1/2	1,223.20	1/2	914.03	1/2	605.27	1/2	296.15	1/2		1/2		1/2	
3/4	2,144.25	3/4	1,835.08	3/4	1,525.92	3/4	1,216.76	3/4	907.59	3/4	598.84	3/4	289.70	3/4		3/4		3/4	
4	2,137.81	4	1,828.64	4	1,519.48	4	1,210.32	4	901.15	4	592.41	4	283.26	4		4		4	
1/4	2,131.36	1/4	1,822.20	1/4	1,513.04	1/4	1,203.87	1/4	894.71	1/4	585.97	1/4	276.82	1/4		1/4		1/4	
1/2	2,124.92	1/2	1,815.76	1/2	1,506.60	1/2	1,197.43	1/2	888.27	1/2	579.53	1/2	270.38	1/2		1/2		1/2	
3/4	2,118.48	3/4	1,809.32	3/4	1,500.16	3/4	1,190.99	3/4	881.83	3/4	573.09	3/4	263.94	3/4		3/4		3/4	
5	2,112.04	5	1,802.88	5	1,493.72	5	1,184.55	5	875.39	5	566.65	5	257.50	5		5		5	
1/4	2,105.60	1/4	1,796.44	1/4	1,487.27	1/4	1,178.11	1/4	868.95	1/4	560.21	1/4	251.06	1/4		1/4		1/4	
1/2	2,099.16	1/2	1,790.00	1/2	1,480.83	1/2	1,171.67	1/2	862.51	1/2	553.77	1/2	244.62	1/2		1/2		1/2	
3/4	2,092.72	3/4	1,783.56	3/4	1,474.39	3/4	1,165.23	3/4	856.07	3/4	547.33	3/4	238.18	3/4		3/4		3/4	
6	2,086.28	6	1,777.12	6	1,467.95	6	1,158.79	6	849.63	6	540.89	6	231.74	6		6		6	
1/4	2,079.84	1/4	1,770.67	1/4	1,461.51	1/4	1,152.35	1/4	843.18	1/4	534.45	1/4	225.30	1/4		1/4		1/4	
1/2	2,073.40	1/2	1,764.23	1/2	1,455.07	1/2	1,145.91	1/2	836.74	1/2	528.01	1/2	218.86	1/2		1/2		1/2	
3/4	2,066.96	3/4	1,757.79	3/4	1,448.63	3/4	1,139.47	3/4	830.30	3/4	521.57	3/4	212.42	3/4		3/4		3/4	
7	2,060.51	7	1,751.35	7	1,442.19	7	1,133.03	7	823.86	7	515.13	7	205.98	7		7		7	
1/4	2,054.07	1/4	1,744.91	1/4	1,435.75	1/4	1,126.58	1/4	817.42	1/4	508.69	1/4	199.53	1/4		1/4		1/4	
1/2	2,047.63	1/2	1,738.47	1/2	1,429.31	1/2	1,120.14	1/2	810.99	1/2	502.25	1/2	193.09	1/2		1/2		1/2	
3/4	2,041.19	3/4	1,732.03	3/4	1,422.87	3/4	1,113.70	3/4	804.55	3/4	495.81	3/4	186.65	3/4		3/4		3/4	
8	2,034.75	8	1,725.59	8	1,416.42	8	1,107.26	8	798.11	8	489.37	8	180.21	8		8		8	
1/4	2,028.31	1/4	1,719.15	1/4	1,409.98	1/4	1,100.82	1/4	791.68	1/4	482.93	1/4	173.78	1/4		1/4		1/4	
1/2	2,021.87	1/2	1,712.71	1/2	1,403.54	1/2	1,094.38	1/2	785.25	1/2	476.48	1/2	167.34	1/2		1/2		1/2	
3/4	2,015.43	3/4	1,706.27	3/4	1,397.10	3/4	1,087.94	3/4	778.82	3/4	470.04	3/4	160.90	3/4		3/4		3/4	
9	2,008.99	9	1,699.82	9	1,390.66	9	1,081.50	9	772.39	9	463.60	9	154.46	9		9		9	
1/4	2,002.55	1/4	1,693.38	1/4	1,384.22	1/4	1,075.06	1/4	765.96	1/4	457.16	1/4	148.03	1/4		1/4		1/4	
1/2	1,996.11	1/2	1,686.94	1/2	1,377.78	1/2	1,068.62	1/2	759.53	1/2	450.72	1/2	141.59	1/2		1/2		1/2	
3/4	1,989.66	3/4	1,680.50	3/4	1,371.34	3/4	1,062.18	3/4	753.11	3/4	444.28	3/4	135.16	3/4		3/4		3/4	
10	1,983.22	10	1,674.06	10	1,364.90	10	1,055.73	10	746.68	10	437.84	10	128.73	10		10		10	
1/4	1,976.78	1/4	1,667.62	1/4	1,358.46	1/4	1,049.29	1/4	740.25	1/4	431.40	1/4	122.31	1/4		1/4		1/4	
1/2	1,970.34	1/2	1,661.18	1/2	1,352.02	1/2	1,042.85	1/2	733.82	1/2	424.96	1/2	115.89	1/2		1/2		1/2	
3/4	1,963.90	3/4	1,654.74	3/4	1,345.57	3/4	1,036.41	3/4	727.40	3/4	418.52	3/4	109.46	3/4		3/4		3/4	
11	1,957.46	11	1,648.30	11	1,339.13	11	1,029.97	11	720.97	11	412.08	11	103.04	11		11		11	
1/4	1,951.02	1/4	1,641.86	1/4	1,332.69	1/4	1,023.53	1/4	714.54	1/4	405.64	1/4	96.64	1/4		1/4		1/4	
1/2	1,944.58	1/2	1,635.42	1/2	1,326.25	1/2	1,017.09	1/2	708.11	1/2	399.20	1/2	90.23	1/2		1/2		1/2	
3/4	1,938.14	3/4	1,628.97	3/4	1,319.81	3/4	1,010.65	3/4	701.69	3/4	392.76	3/4	83.82	3/4		3/4		3/4	

STRAPPED: 02/06/2012 CL - SW  
CALCULATED: 02/07/2012 CL  
PRINTED: 02/07/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2012

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "WEB 323"

## 4 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-06 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	6,360.90	0	6,024.14	0	5,687.35	0	5,350.56	0	4,980.04	0	4,502.17	0	4,024.20		
1/4		1/4		1/4		1/4	6,353.90	1/4	6,017.12	1/4	5,680.33	1/4	5,343.54	1/4	4,970.13	1/4	4,492.21	1/4	4,014.25		
1/2		1/2		1/2		1/2	6,346.90	1/2	6,010.10	1/2	5,673.32	1/2	5,336.52	1/2	4,960.22	1/2	4,482.25	1/2	4,004.29		
3/4		3/4		3/4		3/4	6,339.88	3/4	6,003.09	3/4	5,666.30	3/4	5,329.51	3/4	4,950.27	3/4	4,472.30	3/4	3,994.34		
1		1		1		1	6,332.86	1	5,996.07	1	5,659.28	1	5,322.49	1	4,940.32	1	4,462.34	1	3,984.38		
1/4		1/4		1/4		1/4	6,325.84	1/4	5,989.06	1/4	5,652.27	1/4	5,315.47	1/4	4,930.36	1/4	4,452.38	1/4	3,974.43		
1/2		1/2		1/2		1/2	6,318.82	1/2	5,982.04	1/2	5,645.25	1/2	5,308.46	1/2	4,920.41	1/2	4,442.42	1/2	3,964.47		
3/4		3/4		3/4		3/4	6,311.81	3/4	5,975.02	3/4	5,638.24	3/4	5,301.44	3/4	4,910.45	3/4	4,432.46	3/4	3,954.52		
2		2		2		2	6,304.79	2	5,968.01	2	5,631.22	2	5,294.42	2	4,900.50	2	4,422.50	2	3,944.56		
1/4		1/4		1/4		1/4	6,297.78	1/4	5,960.99	1/4	5,624.20	1/4	5,287.41	1/4	4,890.54	1/4	4,412.54	1/4	3,934.61		
1/2		1/2		1/2		1/2	6,290.76	1/2	5,953.97	1/2	5,617.19	1/2	5,280.39	1/2	4,880.59	1/2	4,402.59	1/2	3,924.65		
3/4		3/4		3/4		3/4	6,283.74	3/4	5,946.96	3/4	5,610.17	3/4	5,273.37	3/4	4,870.63	3/4	4,392.63	3/4	3,914.70		
3		3		3		3	6,276.73	3	5,939.94	3	5,603.15	3	5,266.35	3	4,860.67	3	4,382.67	3	3,904.74		
1/4		1/4		1/4		1/4	6,269.71	1/4	5,932.92	1/4	5,596.14	1/4	5,259.34	1/4	4,850.72	1/4	4,372.71	1/4	3,894.79		
1/2		1/2		1/2		1/2	6,262.70	1/2	5,925.91	1/2	5,589.12	1/2	5,252.32	1/2	4,840.76	1/2	4,362.75	1/2	3,884.83		
3/4		3/4		3/4		3/4	6,255.68	3/4	5,918.89	3/4	5,582.10	3/4	5,245.30	3/4	4,830.80	3/4	4,352.79	3/4	3,874.88		
4		4		4		4	6,248.66	4	5,911.88	4	5,575.09	4	5,238.29	4	4,820.84	4	4,342.83	4	3,864.92		
1/4		1/4		1/4		1/4	6,241.65	1/4	5,904.86	1/4	5,568.07	1/4	5,231.27	1/4	4,810.88	1/4	4,332.88	1/4	3,854.97		
1/2		1/2		1/2		1/2	6,234.63	1/2	5,897.84	1/2	5,561.06	1/2	5,224.25	1/2	4,800.93	1/2	4,322.92	1/2	3,845.02		
3/4		3/4		3/4		3/4	6,227.61	3/4	5,890.83	3/4	5,554.04	3/4	5,217.24	3/4	4,790.97	3/4	4,312.96	3/4	3,835.06		
5		5		5		5	6,220.60	5	5,883.81	5	5,547.02	5	5,210.22	5	4,781.01	5	4,303.00	5	3,825.11		
1/4		1/4		1/4		1/4	6,213.58	1/4	5,876.79	1/4	5,540.01	1/4	5,203.20	1/4	4,771.05	1/4	4,293.04	1/4	3,815.15		
1/2		1/2		1/2		1/2	6,206.56	1/2	5,869.78	1/2	5,532.99	1/2	5,196.19	1/2	4,761.09	1/2	4,283.08	1/2	3,805.20		
3/4		3/4		3/4		3/4	6,199.55	3/4	5,862.76	3/4	5,525.97	3/4	5,189.17	3/4	4,751.13	3/4	4,273.13	3/4	3,795.24		
6		6	6,468.44	6	6,192.53	6	5,855.74	6	5,518.96	6	5,182.15	6	4,741.17	6	4,263.17	6	4,263.17	6	3,785.28		
1/4		1/4	6,467.74	1/4	6,185.51	1/4	5,848.73	1/4	5,511.94	1/4	5,175.14	1/4	4,731.22	1/4	4,253.21	1/4	4,253.21	1/4	3,775.32		
1/2		1/2	6,467.04	1/2	6,178.50	1/2	5,841.71	1/2	5,504.92	1/2	5,168.12	1/2	4,721.26	1/2	4,243.25	1/2	4,243.25	1/2	3,765.36		
3/4		3/4	6,465.51	3/4	6,171.48	3/4	5,834.69	3/4	5,497.91	3/4	5,160.86	3/4	4,711.30	3/4	4,233.29	3/4	4,233.29	3/4	3,755.40		
7		7	6,463.18	7	6,164.47	7	5,827.68	7	5,490.89	7	5,153.60	7	4,701.34	7	4,223.33	7	4,223.33	7	3,745.44		
1/4		1/4	6,461.25	1/4	6,157.45	1/4	5,820.66	1/4	5,483.87	1/4	5,146.34	1/4	4,691.38	1/4	4,213.37	1/4	4,213.37	1/4	3,735.48		
1/2		1/2	6,459.33	1/2	6,150.43	1/2	5,813.65	1/2	5,476.86	1/2	5,139.08	1/2	4,681.42	1/2	4,203.42	1/2	4,203.42	1/2	3,725.52		
3/4		3/4	6,455.99	3/4	6,143.42	3/4	5,806.63	3/4	5,469.84	3/4	5,131.26	3/4	4,671.47	3/4	4,193.46	3/4	4,193.46	3/4	3,715.56		
8		8	6,452.66	8	6,136.40	8	5,799.61	8	5,462.82	8	5,123.45	8	4,661.51	8	4,183.50	8	4,183.50	8	3,705.60		
1/4		1/4	6,449.33	1/4	6,129.38	1/4	5,792.60	1/4	5,455.81	1/4	5,115.63	1/4	4,651.55	1/4	4,173.54	1/4	4,173.54	1/4	3,695.64		
1/2		1/2	6,446.00	1/2	6,122.37	1/2	5,785.58	1/2	5,448.79	1/2	5,107.82	1/2	4,641.59	1/2	4,163.58	1/2	4,163.58	1/2	3,685.68		
3/4		3/4	6,441.26	3/4	6,115.35	3/4	5,778.56	3/4	5,441.77	3/4	5,099.41	3/4	4,631.63	3/4	4,153.62	3/4	4,153.62	3/4	3,675.72		
9		9	6,436.53	9	6,108.33	9	5,771.55	9	5,434.76	9	5,091.01	9	4,621.67	9	4,143.66	9	4,143.66	9	3,665.76		
1/4		1/4	6,431.79	1/4	6,101.32	1/4	5,764.53	1/4	5,427.74	1/4	5,082.60	1/4	4,611.71	1/4	4,133.71	1/4	4,133.71	1/4	3,655.80		
1/2		1/2	6,427.06	1/2	6,094.30	1/2	5,757.51	1/2	5,420.72	1/2	5,074.20	1/2	4,601.76	1/2	4,123.75	1/2	4,123.75	1/2	3,645.84		
3/4		3/4	6,420.92	3/4	6,087.29	3/4	5,750.50	3/4	5,413.71	3/4	5,065.20	3/4	4,591.80	3/4	4,113.79	3/4	4,113.79	3/4	3,635.88		
10		10	6,414.78	10	6,080.27	10	5,743.48	10	5,406.69	10	5,056.20	10	4,581.84	10	4,103.84	10	4,103.84	10	3,625.92		
1/4		1/4	6,408.64	1/4	6,073.25	1/4	5,736.47	1/4	5,399.67	1/4	5,047.21	1/4	4,571.88	1/4	4,093.88	1/4	4,093.88	1/4	3,615.96		
1/2		1/2	6,402.51	1/2	6,066.24	1/2	5,729.45	1/2	5,392.66	1/2	5,038.21	1/2	4,561.92	1/2	4,083.93	1/2	4,083.93	1/2	3,606.00		
3/4		3/4	6,395.61	3/4	6,059.22	3/4	5,722.43	3/4	5,385.64	3/4	5,028.62	3/4	4,551.96	3/4	4,073.97	3/4	4,073.97	3/4	3,596.04		
11		11	6,388.71	11	6,052.20	11	5,715.42	11	5,378.62	11	5,019.03	11	4,542.00	11	4,064.02	11	4,064.02	11	3,586.08		
1/4		1/4	6,381.81	1/4	6,045.19	1/4	5,708.40	1/4	5,371.61	1/4	5,009.45	1/4	4,532.05	1/4	4,054.06	1/4	4,054.06	1/4	3,576.12		
1/2		1/2	6,374.91	1/2	6,038.17	1/2	5,701.38	1/2	5,364.59	1/2	4,999.86	1/2	4,522.09	1/2	4,044.11	1/2	4,044.11	1/2	3,566.16		
3/4		3/4	6,367.91	3/4	6,031.15	3/4	5,694.37	3/4	5,357.57	3/4	4,989.95	3/4	4,512.13	3/4	4,034.15	3/4	4,034.15	3/4	3,556.20		

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 AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 1'-00" OFF CENTERLINE AND 30'-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 "WEB 323"

## 4 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-06 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	3,546.24	0	3,068.15	0	2,590.74	0	2,113.56	0	1,635.63	0	1,159.35	0	682.68	0	204.02	0			
1/4	3,536.28	1/4	3,058.19	1/4	2,580.81	1/4	2,103.60	1/4	1,625.67	1/4	1,149.46	1/4	672.71	1/4	194.06	1/4			
1/2	3,526.32	1/2	3,048.23	1/2	2,570.88	1/2	2,093.64	1/2	1,615.72	1/2	1,139.58	1/2	662.74	1/2	184.10	1/2			
3/4	3,516.36	3/4	3,038.27	3/4	2,560.95	3/4	2,083.69	3/4	1,605.76	3/4	1,129.70	3/4	652.76	3/4	174.17	3/4			
1	3,506.40	1	3,028.31	1	2,551.03	1	2,073.73	1	1,595.80	1	1,119.81	1	642.79	1	164.23	1			
1 1/4	3,496.44	1 1/4	3,018.35	1 1/4	2,541.10	1 1/4	2,063.77	1 1/4	1,585.85	1 1/4	1,109.93	1 1/4	632.82	1 1/4	154.29	1 1/4			
1 1/2	3,486.48	1 1/2	3,008.39	1 1/2	2,531.17	1 1/2	2,053.82	1 1/2	1,575.89	1 1/2	1,100.05	1 1/2	622.84	1 1/2	144.35	1 1/2			
3/4	3,476.52	3/4	2,998.43	3/4	2,521.24	3/4	2,043.86	3/4	1,565.93	3/4	1,090.17	3/4	612.87	3/4	134.45	3/4			
2	3,466.56	2	2,988.47	2	2,511.31	2	2,033.90	2	1,555.98	2	1,080.28	2	602.89	2	124.54	2			
2 1/4	3,456.60	2 1/4	2,978.51	2 1/4	2,501.38	2 1/4	2,023.94	2 1/4	1,546.02	2 1/4	1,070.40	2 1/4	592.92	2 1/4	114.63	2 1/4			
2 1/2	3,446.64	2 1/2	2,968.55	2 1/2	2,491.45	2 1/2	2,013.99	2 1/2	1,536.06	2 1/2	1,060.52	2 1/2	582.95	2 1/2	104.72	2 1/2			
3/4	3,436.68	3/4	2,958.59	3/4	2,481.52	3/4	2,004.03	3/4	1,526.10	3/4	1,050.64	3/4	572.97	3/4	94.87	3/4			
3	3,426.72	3	2,948.63	3	2,471.60	3	1,994.07	3	1,516.15	3	1,040.75	3	563.00	3	85.01	3			
3 1/4	3,416.76	3 1/4	2,938.67	3 1/4	2,461.67	3 1/4	1,984.12	3 1/4	1,506.19	3 1/4	1,030.87	3 1/4	553.03	3 1/4	75.16	3 1/4			
3 1/2	3,406.80	3 1/2	2,928.71	3 1/2	2,451.74	3 1/2	1,974.16	3 1/2	1,496.23	3 1/2	1,020.99	3 1/2	543.05	3 1/2	65.31	3 1/2			
4	3,396.84	4	2,918.75	4	2,441.81	4	1,964.20	4	1,486.28	4	1,011.11	4	533.08	4	56.81	4			
4 1/4	3,386.88	4 1/4	2,908.79	4 1/4	2,431.88	4 1/4	1,954.25	4 1/4	1,476.32	4 1/4	1,001.22	4 1/4	523.10	4 1/4	48.31	4 1/4			
4 1/2	3,376.92	4 1/2	2,898.83	4 1/2	2,421.95	4 1/2	1,944.29	4 1/2	1,466.36	4 1/2	991.34	4 1/2	513.13	4 1/2	39.81	4 1/2			
3/4	3,366.96	3/4	2,888.87	3/4	2,412.02	3/4	1,934.33	3/4	1,456.41	3/4	981.46	3/4	503.16	3/4	31.31	3/4			
5	3,357.00	5	2,878.91	5	2,402.09	5	1,924.38	5	1,446.45	5	971.53	5	493.18	5	25.91	5			
5 1/4	3,347.04	5 1/4	2,868.95	5 1/4	2,392.16	5 1/4	1,914.42	5 1/4	1,436.49	5 1/4	961.60	5 1/4	483.21	5 1/4	20.51	5 1/4			
5 1/2	3,337.08	5 1/2	2,858.99	5 1/2	2,382.24	5 1/2	1,904.46	5 1/2	1,426.54	5 1/2	951.67	5 1/2	473.24	5 1/2	15.11	5 1/2			
6	3,327.12	6	2,849.03	6	2,372.31	6	1,894.51	6	1,416.58	6	941.74	6	463.27	6	9.70	6			
6 1/4	3,317.16	6 1/4	2,839.07	6 1/4	2,362.38	6 1/4	1,884.55	6 1/4	1,406.63	6 1/4	931.79	6 1/4	453.30	6 1/4	7.62	6 1/4			
6 1/2	3,307.20	6 1/2	2,829.11	6 1/2	2,352.45	6 1/2	1,874.59	6 1/2	1,396.69	6 1/2	921.85	6 1/2	443.32	6 1/2	5.55	6 1/2			
7	3,297.24	7	2,819.15	7	2,342.52	7	1,864.64	7	1,386.74	7	911.90	7	433.35	7	3.47	7			
7 1/4	3,287.28	7 1/4	2,809.19	7 1/4	2,332.59	7 1/4	1,854.68	7 1/4	1,376.79	7 1/4	901.95	7 1/4	423.38	7 1/4	1.39	7 1/4			
7 1/2	3,277.32	7 1/2	2,799.26	7 1/2	2,322.64	7 1/2	1,844.72	7 1/2	1,366.90	7 1/2	891.99	7 1/2	413.41	7 1/2		7 1/2			
8	3,267.36	8	2,789.33	8	2,312.69	8	1,834.77	8	1,357.01	8	882.03	8	403.43	8		8			
8 1/4	3,257.40	8 1/4	2,779.39	8 1/4	2,302.73	8 1/4	1,824.81	8 1/4	1,347.12	8 1/4	872.07	8 1/4	393.46	8 1/4		8 1/4			
8 1/2	3,247.44	8 1/2	2,769.46	8 1/2	2,292.78	8 1/2	1,814.85	8 1/2	1,337.23	8 1/2	862.11	8 1/2	383.49	8 1/2		8 1/2			
3/4	3,237.48	3/4	2,759.53	3/4	2,282.82	3/4	1,804.90	3/4	1,327.35	3/4	852.15	3/4	373.51	3/4		3/4			
9	3,227.52	9	2,749.60	9	2,272.86	9	1,794.94	9	1,317.47	9	842.19	9	363.54	9		9			
9 1/4	3,217.56	9 1/4	2,739.67	9 1/4	2,262.91	9 1/4	1,784.98	9 1/4	1,307.59	9 1/4	832.23	9 1/4	353.56	9 1/4		9 1/4			
9 1/2	3,207.60	9 1/2	2,729.74	9 1/2	2,252.95	9 1/2	1,775.02	9 1/2	1,297.70	9 1/2	822.26	9 1/2	343.59	9 1/2		9 1/2			
10	3,197.64	10	2,719.82	10	2,242.99	10	1,765.07	10	1,287.82	10	812.30	10	333.62	10		10			
10 1/4	3,187.67	10 1/4	2,709.89	10 1/4	2,233.04	10 1/4	1,755.11	10 1/4	1,277.94	10 1/4	802.34	10 1/4	323.64	10 1/4		10 1/4			
10 1/2	3,177.71	10 1/2	2,699.96	10 1/2	2,223.08	10 1/2	1,745.15	10 1/2	1,268.06	10 1/2	792.38	10 1/2	313.67	10 1/2		10 1/2			
3/4	3,167.75	3/4	2,690.03	3/4	2,213.12	3/4	1,735.20	3/4	1,258.17	3/4	782.42	3/4	303.69	3/4		3/4			
11	3,157.79	11	2,680.10	11	2,203.17	11	1,725.24	11	1,248.29	11	772.44	11	293.72	11		11			
11 1/4	3,147.83	11 1/4	2,670.17	11 1/4	2,193.21	11 1/4	1,715.28	11 1/4	1,238.41	11 1/4	762.47	11 1/4	283.75	11 1/4		11 1/4			
11 1/2	3,137.87	11 1/2	2,660.24	11 1/2	2,183.25	11 1/2	1,705.33	11 1/2	1,228.52	11 1/2	752.50	11 1/2	273.78	11 1/2		11 1/2			
3/4	3,127.91	3/4	2,650.31	3/4	2,173.30	3/4	1,695.37	3/4	1,218.64	3/4	742.53	3/4	263.80	3/4		3/4			
12	3,117.95	12	2,640.38	12	2,163.34	12	1,685.41	12	1,208.76	12	732.55	12	253.83	12		12			
12 1/4	3,107.99	12 1/4	2,630.46	12 1/4	2,153.38	12 1/4	1,675.46	12 1/4	1,198.88	12 1/4	722.58	12 1/4	243.87	12 1/4		12 1/4			
12 1/2	3,098.03	12 1/2	2,620.53	12 1/2	2,143.43	12 1/2	1,665.50	12 1/2	1,188.99	12 1/2	712.60	12 1/2	233.90	12 1/2		12 1/2			
3/4	3,088.07	3/4	2,610.60	3/4	2,133.47	3/4	1,655.54	3/4	1,179.11	3/4	702.63	3/4	223.93	3/4		3/4			
13	3,078.11	13	2,600.67	13	2,123.51	13	1,645.59	13	1,169.23	13	692.66	13	213.97	13		13			

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