



BARGE "DBL 18"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
1 CENTER	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
2 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 00-7/8	00-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 206'-09"

May 13, 2011

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

<http://www.pmacorp.net>



BARGE "DBL 18"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-00 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	
0		0		0		0	3,633.79	0	3,305.35	0	2,976.92	0	2,648.48	0	2,320.04	0	1,991.61	0	1,663.17
1/4		1/4		1/4		1/4	3,626.94	1/4	3,298.51	1/4	2,970.07	1/4	2,641.64	1/4	2,313.20	1/4	1,984.77	1/4	1,656.33
1/2		1/2		1/2		1/2	3,620.10	1/2	3,291.67	1/2	2,963.23	1/2	2,634.80	1/2	2,306.36	1/2	1,977.92	1/2	1,649.49
3/4		3/4		3/4		3/4	3,613.26	3/4	3,284.82	3/4	2,956.39	3/4	2,627.95	3/4	2,299.52	3/4	1,971.08	3/4	1,642.65
1		1		1		1	3,606.42	1	3,277.98	1	2,949.55	1	2,621.11	1	2,292.68	1	1,964.24	1	1,635.80
1/4		1/4		1/4		1/4	3,599.57	1/4	3,271.14	1/4	2,942.70	1/4	2,614.27	1/4	2,285.83	1/4	1,957.40	1/4	1,628.96
1/2		1/2		1/2		1/2	3,592.73	1/2	3,264.30	1/2	2,935.86	1/2	2,607.43	1/2	2,278.99	1/2	1,950.56	1/2	1,622.12
3/4		3/4		3/4		3/4	3,585.89	3/4	3,257.45	3/4	2,929.02	3/4	2,600.58	3/4	2,272.15	3/4	1,943.71	3/4	1,615.28
2		2		2		2	3,579.05	2	3,250.61	2	2,922.18	2	2,593.74	2	2,265.31	2	1,936.87	2	1,608.44
1/4		1/4		1/4		1/4	3,572.20	1/4	3,243.77	1/4	2,915.33	1/4	2,586.90	1/4	2,258.46	1/4	1,930.03	1/4	1,601.59
1/2		1/2		1/2		1/2	3,565.36	1/2	3,236.93	1/2	2,908.49	1/2	2,580.06	1/2	2,251.62	1/2	1,923.19	1/2	1,594.75
3/4		3/4		3/4		3/4	3,558.52	3/4	3,230.08	3/4	2,901.65	3/4	2,573.21	3/4	2,244.78	3/4	1,916.34	3/4	1,587.91
3		3		3		3	3,551.68	3	3,223.24	3	2,894.81	3	2,566.37	3	2,237.94	3	1,909.50	3	1,581.07
1/4		1/4		1/4		1/4	3,544.83	1/4	3,216.40	1/4	2,887.96	1/4	2,559.53	1/4	2,231.09	1/4	1,902.66	1/4	1,574.22
1/2		1/2		1/2		1/2	3,537.99	1/2	3,209.56	1/2	2,881.12	1/2	2,552.69	1/2	2,224.25	1/2	1,895.82	1/2	1,567.38
3/4		3/4		3/4		3/4	3,531.15	3/4	3,202.71	3/4	2,874.28	3/4	2,545.84	3/4	2,217.41	3/4	1,888.97	3/4	1,560.54
4		4		4		4	3,524.31	4	3,195.87	4	2,867.44	4	2,539.00	4	2,210.57	4	1,882.13	4	1,553.70
1/4		1/4		1/4		1/4	3,517.46	1/4	3,189.03	1/4	2,860.59	1/4	2,532.16	1/4	2,203.72	1/4	1,875.29	1/4	1,546.85
1/2		1/2		1/2		1/2	3,510.62	1/2	3,182.19	1/2	2,853.75	1/2	2,525.32	1/2	2,196.88	1/2	1,868.45	1/2	1,540.01
3/4		3/4		3/4		3/4	3,503.78	3/4	3,175.34	3/4	2,846.91	3/4	2,518.47	3/4	2,190.04	3/4	1,861.60	3/4	1,533.17
5		5		5		5	3,496.94	5	3,168.50	5	2,840.07	5	2,511.63	5	2,183.20	5	1,854.76	5	1,526.33
1/4		1/4		1/4		1/4	3,490.10	1/4	3,161.66	1/4	2,833.22	1/4	2,504.79	1/4	2,176.35	1/4	1,847.92	1/4	1,519.48
1/2		1/2		1/2		1/2	3,483.25	1/2	3,154.82	1/2	2,826.38	1/2	2,497.95	1/2	2,169.51	1/2	1,841.08	1/2	1,512.64
3/4		3/4		3/4		3/4	3,476.41	3/4	3,147.98	3/4	2,819.54	3/4	2,491.10	3/4	2,162.67	3/4	1,834.23	3/4	1,505.80
6		6		6		6	3,469.57	6	3,141.13	6	2,812.70	6	2,484.26	6	2,155.83	6	1,827.39	6	1,498.96
1/4		1/4		1/4		1/4	3,462.73	1/4	3,134.29	1/4	2,805.86	1/4	2,477.42	1/4	2,148.98	1/4	1,820.55	1/4	1,492.11
1/2		1/2		1/2		1/2	3,455.88	1/2	3,127.45	1/2	2,799.01	1/2	2,470.58	1/2	2,142.14	1/2	1,813.71	1/2	1,485.27
3/4		3/4		3/4		3/4	3,449.04	3/4	3,120.61	3/4	2,792.17	3/4	2,463.74	3/4	2,135.30	3/4	1,806.86	3/4	1,478.43
7		7		7	3,766.53	7	3,442.20	7	3,113.76	7	2,785.33	7	2,456.89	7	2,128.46	7	1,800.02	7	1,471.59
1/4		1/4		1/4	3,761.74	1/4	3,435.36	1/4	3,106.92	1/4	2,778.49	1/4	2,450.05	1/4	2,121.62	1/4	1,793.18	1/4	1,464.74
1/2		1/2		1/2	3,756.95	1/2	3,428.51	1/2	3,100.08	1/2	2,771.64	1/2	2,443.21	1/2	2,114.77	1/2	1,786.34	1/2	1,457.90
3/4		3/4		3/4	3,750.11	3/4	3,421.67	3/4	3,093.24	3/4	2,764.80	3/4	2,436.37	3/4	2,107.93	3/4	1,779.50	3/4	1,451.06
8		8		8	3,743.26	8	3,414.83	8	3,086.39	8	2,757.96	8	2,429.52	8	2,101.09	8	1,772.65	8	1,444.22
1/4		1/4		1/4	3,736.42	1/4	3,407.99	1/4	3,079.55	1/4	2,751.12	1/4	2,422.68	1/4	2,094.25	1/4	1,765.81	1/4	1,437.38
1/2		1/2		1/2	3,729.58	1/2	3,401.14	1/2	3,072.71	1/2	2,744.27	1/2	2,415.84	1/2	2,087.40	1/2	1,758.97	1/2	1,430.53
3/4		3/4		3/4	3,722.74	3/4	3,394.30	3/4	3,065.87	3/4	2,737.43	3/4	2,409.00	3/4	2,080.56	3/4	1,752.13	3/4	1,423.69
9		9		9	3,715.89	9	3,387.46	9	3,059.02	9	2,730.59	9	2,402.15	9	2,073.72	9	1,745.28	9	1,416.85
1/4		1/4		1/4	3,709.05	1/4	3,380.62	1/4	3,052.18	1/4	2,723.75	1/4	2,395.31	1/4	2,066.88	1/4	1,738.44	1/4	1,410.01
1/2		1/2		1/2	3,702.21	1/2	3,373.77	1/2	3,045.34	1/2	2,716.90	1/2	2,388.47	1/2	2,060.03	1/2	1,731.60	1/2	1,403.16
3/4		3/4		3/4	3,695.37	3/4	3,366.93	3/4	3,038.50	3/4	2,710.06	3/4	2,381.63	3/4	2,053.19	3/4	1,724.76	3/4	1,396.32
10		10		10	3,688.52	10	3,360.09	10	3,031.65	10	2,703.22	10	2,374.78	10	2,046.35	10	1,717.91	10	1,389.48
1/4		1/4		1/4	3,681.68	1/4	3,353.25	1/4	3,024.81	1/4	2,696.38	1/4	2,367.94	1/4	2,039.51	1/4	1,711.07	1/4	1,382.64
1/2		1/2		1/2	3,674.84	1/2	3,346.40	1/2	3,017.97	1/2	2,689.53	1/2	2,361.10	1/2	2,032.66	1/2	1,704.23	1/2	1,375.79
3/4		3/4		3/4	3,668.00	3/4	3,339.56	3/4	3,011.13	3/4	2,682.69	3/4	2,354.26	3/4	2,025.82	3/4	1,697.39	3/4	1,368.95
11		11		11	3,661.16	11	3,332.72	11	3,004.28	11	2,675.85	11	2,347.41	11	2,018.98	11	1,690.54	11	1,362.11
1/4		1/4		1/4	3,654.31	1/4	3,325.88	1/4	2,997.44	1/4	2,669.01	1/4	2,340.57	1/4	2,012.14	1/4	1,683.70	1/4	1,355.27
1/2		1/2		1/2	3,647.47	1/2	3,319.04	1/2	2,990.60	1/2	2,662.16	1/2	2,333.73	1/2	2,005.29	1/2	1,676.86	1/2	1,348.42
3/4		3/4		3/4	3,640.63	3/4	3,312.19	3/4	2,983.76	3/4	2,655.32	3/4	2,326.89	3/4	1,998.45	3/4	1,670.02	3/4	1,341.58

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 4'-03" OFF CENTERLINE AND 105'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "DBL 18"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-00 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	1,334.74	0	1,006.30	0	677.87	0	349.43	0	22.16	0		0		0		0		0	
1/4	1,327.90	1/4	999.46	1/4	671.03	1/4	342.59	1/4	15.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,321.05	1/2	992.62	1/2	664.18	1/2	335.75	1/2	9.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,314.21	3/4	985.78	3/4	657.34	3/4	328.91	3/4		3/4		3/4		3/4		3/4		3/4	
1	1,307.37	1	978.93	1	650.50	1	322.06	1		1		1		1		1		1	
1/4	1,300.53	1/4	972.09	1/4	643.66	1/4	315.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,293.68	1/2	965.25	1/2	636.81	1/2	308.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,286.84	3/4	958.41	3/4	629.97	3/4	301.54	3/4		3/4		3/4		3/4		3/4		3/4	
2	1,280.00	2	951.56	2	623.13	2	294.69	2		2		2		2		2		2	
1/4	1,273.16	1/4	944.72	1/4	616.29	1/4	287.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,266.32	1/2	937.88	1/2	609.44	1/2	281.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,259.47	3/4	931.04	3/4	602.60	3/4	274.17	3/4		3/4		3/4		3/4		3/4		3/4	
3	1,252.63	3	924.20	3	595.76	3	267.32	3		3		3		3		3		3	
1/4	1,245.79	1/4	917.35	1/4	588.92	1/4	260.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,238.95	1/2	910.51	1/2	582.08	1/2	253.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,232.10	3/4	903.67	3/4	575.23	3/4	246.80	3/4		3/4		3/4		3/4		3/4		3/4	
4	1,225.26	4	896.83	4	568.39	4	239.96	4		4		4		4		4		4	
1/4	1,218.42	1/4	889.98	1/4	561.55	1/4	233.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,211.58	1/2	883.14	1/2	554.71	1/2	226.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,204.73	3/4	876.30	3/4	547.86	3/4	219.43	3/4		3/4		3/4		3/4		3/4		3/4	
5	1,197.89	5	869.46	5	541.02	5	212.59	5		5		5		5		5		5	
1/4	1,191.05	1/4	862.61	1/4	534.18	1/4	205.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,184.21	1/2	855.77	1/2	527.34	1/2	198.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,177.36	3/4	848.93	3/4	520.49	3/4	192.07	3/4		3/4		3/4		3/4		3/4		3/4	
6	1,170.52	6	842.09	6	513.65	6	185.23	6		6		6		6		6		6	
1/4	1,163.68	1/4	835.24	1/4	506.81	1/4	178.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,156.84	1/2	828.40	1/2	499.97	1/2	171.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,149.99	3/4	821.56	3/4	493.12	3/4	164.70	3/4		3/4		3/4		3/4		3/4		3/4	
7	1,143.15	7	814.72	7	486.28	7	157.86	7		7		7		7		7		7	
1/4	1,136.31	1/4	807.87	1/4	479.44	1/4	151.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,129.47	1/2	801.03	1/2	472.60	1/2	144.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,122.62	3/4	794.19	3/4	465.75	3/4	137.34	3/4		3/4		3/4		3/4		3/4		3/4	
8	1,115.78	8	787.35	8	458.91	8	130.50	8		8		8		8		8		8	
1/4	1,108.94	1/4	780.50	1/4	452.07	1/4	123.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,102.10	1/2	773.66	1/2	445.23	1/2	116.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,095.26	3/4	766.82	3/4	438.38	3/4	109.97	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,088.41	9	759.98	9	431.54	9	103.13	9		9		9		9		9		9	
1/4	1,081.57	1/4	753.14	1/4	424.70	1/4	96.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,074.73	1/2	746.29	1/2	417.86	1/2	89.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,067.89	3/4	739.45	3/4	411.02	3/4	82.61	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,061.04	10	732.61	10	404.17	10	75.77	10		10		10		10		10		10	
1/4	1,054.20	1/4	725.77	1/4	397.33	1/4	68.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,047.36	1/2	718.92	1/2	390.49	1/2	62.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,040.52	3/4	712.08	3/4	383.65	3/4	55.24	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,033.67	11	705.24	11	376.80	11	48.40	11		11		11		11		11		11	
1/4	1,026.83	1/4	698.40	1/4	369.96	1/4	41.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,019.99	1/2	691.55	1/2	363.12	1/2	34.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,013.15	3/4	684.71	3/4	356.28	3/4	28.44	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2011 CL - SW
CALCULATED: 05/13/2011 CL
PRINTED: 05/13/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

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



BARGE "DBL 18"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	3,573.15	0	3,262.49	0	2,951.82	0	2,641.15	0	2,330.49	0	2,019.82	0	1,709.16		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,566.68	1/4	3,256.01	1/4	2,945.35	1/4	2,634.68	1/4	2,324.02	1/4	2,013.35	1/4	1,702.69		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,560.21	1/2	3,249.54	1/2	2,938.88	1/2	2,628.21	1/2	2,317.54	1/2	2,006.88	1/2	1,696.21		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,553.73	3/4	3,243.07	3/4	2,932.40	3/4	2,621.74	3/4	2,311.07	3/4	2,000.41	3/4	1,689.74		
1		1		1		1	3,547.26	1	3,236.60	1	2,925.93	1	2,615.27	1	2,304.60	1	1,993.93	1	1,683.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,540.79	1/4	3,230.12	1/4	2,919.46	1/4	2,608.79	1/4	2,298.13	1/4	1,987.46	1/4	1,676.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,534.32	1/2	3,223.65	1/2	2,912.99	1/2	2,602.32	1/2	2,291.66	1/2	1,980.99	1/2	1,670.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,527.85	3/4	3,217.18	3/4	2,906.51	3/4	2,595.85	3/4	2,285.18	3/4	1,974.52	3/4	1,663.85		
2		2		2		2	3,521.37	2	3,210.71	2	2,900.04	2	2,589.38	2	2,278.71	2	1,968.05	2	1,657.38		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,514.90	1/4	3,204.24	1/4	2,893.57	1/4	2,582.90	1/4	2,272.24	1/4	1,961.57	1/4	1,650.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,508.43	1/2	3,197.76	1/2	2,887.10	1/2	2,576.43	1/2	2,265.77	1/2	1,955.10	1/2	1,644.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,501.96	3/4	3,191.29	3/4	2,880.63	3/4	2,569.96	3/4	2,259.29	3/4	1,948.63	3/4	1,637.96		
3		3		3		3	3,495.48	3	3,184.82	3	2,874.15	3	2,563.49	3	2,252.82	3	1,942.16	3	1,631.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,489.01	1/4	3,178.35	1/4	2,867.68	1/4	2,557.02	1/4	2,246.35	1/4	1,935.68	1/4	1,625.02		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,482.54	1/2	3,171.87	1/2	2,861.21	1/2	2,550.54	1/2	2,239.88	1/2	1,929.21	1/2	1,618.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,476.07	3/4	3,165.40	3/4	2,854.74	3/4	2,544.07	3/4	2,233.41	3/4	1,922.74	3/4	1,612.07		
4		4		4		4	3,469.60	4	3,158.93	4	2,848.26	4	2,537.60	4	2,226.93	4	1,916.27	4	1,605.60		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,463.12	1/4	3,152.46	1/4	2,841.79	1/4	2,531.13	1/4	2,220.46	1/4	1,909.80	1/4	1,599.13		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,456.65	1/2	3,145.99	1/2	2,835.32	1/2	2,524.65	1/2	2,213.99	1/2	1,903.32	1/2	1,592.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,450.18	3/4	3,139.51	3/4	2,828.85	3/4	2,518.18	3/4	2,207.52	3/4	1,896.85	3/4	1,586.19		
5		5		5		5	3,443.71	5	3,133.04	5	2,822.38	5	2,511.71	5	2,201.04	5	1,890.38	5	1,579.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,437.24	1/4	3,126.57	1/4	2,815.90	1/4	2,505.24	1/4	2,194.57	1/4	1,883.91	1/4	1,573.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,430.76	1/2	3,120.10	1/2	2,809.43	1/2	2,498.77	1/2	2,188.10	1/2	1,877.43	1/2	1,566.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,424.29	3/4	3,113.63	3/4	2,802.96	3/4	2,492.29	3/4	2,181.63	3/4	1,870.96	3/4	1,560.30		
6		6		6		6	3,417.82	6	3,107.15	6	2,796.49	6	2,485.82	6	2,175.16	6	1,864.49	6	1,553.82		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,411.35	1/4	3,100.68	1/4	2,790.02	1/4	2,479.35	1/4	2,168.68	1/4	1,858.02	1/4	1,547.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,404.87	1/2	3,094.21	1/2	2,783.54	1/2	2,472.88	1/2	2,162.21	1/2	1,851.55	1/2	1,540.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,398.40	3/4	3,087.74	3/4	2,777.07	3/4	2,466.41	3/4	2,155.74	3/4	1,845.07	3/4	1,534.41		
7		7		7		7	3,391.93	7	3,081.26	7	2,770.60	7	2,459.93	7	2,149.27	7	1,838.60	7	1,527.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,385.46	1/4	3,074.79	1/4	2,764.13	1/4	2,453.46	1/4	2,142.80	1/4	1,832.13	1/4	1,521.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,380.59	1/2	3,378.99	1/2	3,068.32	1/2	2,757.65	1/2	2,446.99	1/2	2,136.32	1/2	1,825.66	1/2	1,514.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,376.00	3/4	3,372.51	3/4	3,061.85	3/4	2,751.18	3/4	2,440.52	3/4	2,129.85	3/4	1,819.19	3/4	1,508.52
8		8		8		8	3,372.82	8	3,366.04	8	3,055.38	8	2,744.71	8	2,434.04	8	2,123.38	8	1,812.71	8	1,502.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,367.65	1/4	3,359.57	1/4	3,048.90	1/4	2,738.24	1/4	2,427.57	1/4	2,116.91	1/4	1,806.24	1/4	1,495.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,362.47	1/2	3,353.10	1/2	3,042.43	1/2	2,731.77	1/2	2,421.10	1/2	2,110.43	1/2	1,799.77	1/2	1,489.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,357.29	3/4	3,346.62	3/4	3,035.96	3/4	2,725.29	3/4	2,414.63	3/4	2,103.96	3/4	1,793.30	3/4	1,482.63
9		9		9		9	3,350.82	9	3,340.15	9	3,029.49	9	2,718.82	9	2,408.16	9	2,097.49	9	1,786.82	9	1,476.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,344.35	1/4	3,333.68	1/4	3,023.01	1/4	2,712.35	1/4	2,401.68	1/4	2,091.02	1/4	1,780.35	1/4	1,469.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,337.87	1/2	3,327.21	1/2	3,016.54	1/2	2,705.88	1/2	2,395.21	1/2	2,084.55	1/2	1,773.88	1/2	1,463.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,331.40	3/4	3,320.74	3/4	3,010.07	3/4	2,699.40	3/4	2,388.74	3/4	2,078.07	3/4	1,767.41	3/4	1,456.74
10		10		10		10	3,324.93	10	3,314.26	10	3,003.60	10	2,692.93	10	2,382.27	10	2,071.60	10	1,760.94	10	1,450.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,318.46	1/4	3,307.79	1/4	2,997.13	1/4	2,686.46	1/4	2,375.79	1/4	2,065.13	1/4	1,754.46	1/4	1,443.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,311.98	1/2	3,301.32	1/2	2,990.65	1/2	2,679.99	1/2	2,369.32	1/2	2,058.66	1/2	1,747.99	1/2	1,437.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,305.51	3/4	3,294.85	3/4	2,984.18	3/4	2,673.52	3/4	2,362.85	3/4	2,052.18	3/4	1,741.52	3/4	1,430.85
11		11		11		11	3,299.04	11	3,288.37	11	2,977.71	11	2,667.04	11	2,356.38	11	2,045.71	11	1,735.05	11	1,424.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,292.57	1/4	3,281.90	1/4	2,971.24	1/4	2,660.57	1/4	2,349.91	1/4	2,039.24	1/4	1,728.57	1/4	1,417.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,286.10	1/2	3,275.43	1/2	2,964.76	1/2	2,654.10	1/2	2,343.43	1/2	2,032.77	1/2	1,722.10	1/2	1,411.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,279.62	3/4	3,268.96	3/4	2,958.29	3/4	2,647.63	3/4	2,336.96	3/4	2,026.30	3/4	1,715.63	3/4	1,404.96

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 10" DIAMETER HATCH (TOP LIP OPPOSITE HINGE).
 GAUGE POINT: (10" HATCH) LOCATED ON CENTERLINE AND 49'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "DBL 18"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 3/4"

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	1,398.49	0	1,087.83	0	777.16	0	466.50	0	155.83	0		0		0		0		0	
1/4	1,392.02	1/4	1,081.35	1/4	770.69	1/4	460.02	1/4	149.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,385.55	1/2	1,074.88	1/2	764.22	1/2	453.55	1/2	142.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,379.08	3/4	1,068.41	3/4	757.74	3/4	447.08	3/4	136.41	3/4		3/4		3/4		3/4		3/4	
1	1,372.60	1	1,061.94	1	751.27	1	440.61	1	129.94	1		1		1		1		1	
1/4	1,366.13	1/4	1,055.47	1/4	744.80	1/4	434.13	1/4	123.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,359.66	1/2	1,048.99	1/2	738.33	1/2	427.66	1/2	117.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,353.19	3/4	1,042.52	3/4	731.86	3/4	421.19	3/4	110.52	3/4		3/4		3/4		3/4		3/4	
2	1,346.71	2	1,036.05	2	725.38	2	414.72	2	104.05	2		2		2		2		2	
1/4	1,340.24	1/4	1,029.58	1/4	718.91	1/4	408.25	1/4	97.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,333.77	1/2	1,023.10	1/2	712.44	1/2	401.77	1/2	91.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,327.30	3/4	1,016.63	3/4	705.97	3/4	395.30	3/4	84.64	3/4		3/4		3/4		3/4		3/4	
3	1,320.83	3	1,010.16	3	699.49	3	388.83	3	78.16	3		3		3		3		3	
1/4	1,314.35	1/4	1,003.69	1/4	693.02	1/4	382.36	1/4	71.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,307.88	1/2	997.22	1/2	686.55	1/2	375.88	1/2	65.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,301.41	3/4	990.74	3/4	680.08	3/4	369.41	3/4	58.75	3/4		3/4		3/4		3/4		3/4	
4	1,294.94	4	984.27	4	673.61	4	362.94	4	52.27	4		4		4		4		4	
1/4	1,288.46	1/4	977.80	1/4	667.13	1/4	356.47	1/4	45.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,281.99	1/2	971.33	1/2	660.66	1/2	350.00	1/2	39.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,275.52	3/4	964.85	3/4	654.19	3/4	343.52	3/4	32.86	3/4		3/4		3/4		3/4		3/4	
5	1,269.05	5	958.38	5	647.72	5	337.05	5	26.92	5		5		5		5		5	
1/4	1,262.58	1/4	951.91	1/4	641.24	1/4	330.58	1/4	20.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,256.10	1/2	945.44	1/2	634.77	1/2	324.11	1/2	15.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,249.63	3/4	938.97	3/4	628.30	3/4	317.63	3/4	9.12	3/4		3/4		3/4		3/4		3/4	
6	1,243.16	6	932.49	6	621.83	6	311.16	6	6.97	6		6		6		6		6	
1/4	1,236.69	1/4	926.02	1/4	615.36	1/4	304.69	1/4	4.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,230.21	1/2	919.55	1/2	608.88	1/2	298.22	1/2	2.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,223.74	3/4	913.08	3/4	602.41	3/4	291.75	3/4	0.49	3/4		3/4		3/4		3/4		3/4	
7	1,217.27	7	906.60	7	595.94	7	285.27	7		7		7		7		7		7	
1/4	1,210.80	1/4	900.13	1/4	589.47	1/4	278.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,204.33	1/2	893.66	1/2	582.99	1/2	272.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,197.85	3/4	887.19	3/4	576.52	3/4	265.86	3/4		3/4		3/4		3/4		3/4		3/4	
8	1,191.38	8	880.72	8	570.05	8	259.38	8		8		8		8		8		8	
1/4	1,184.91	1/4	874.24	1/4	563.58	1/4	252.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,178.44	1/2	867.77	1/2	557.11	1/2	246.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,171.97	3/4	861.30	3/4	550.63	3/4	239.97	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,165.49	9	854.83	9	544.16	9	233.50	9		9		9		9		9		9	
1/4	1,159.02	1/4	848.36	1/4	537.69	1/4	227.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,152.55	1/2	841.88	1/2	531.22	1/2	220.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,146.08	3/4	835.41	3/4	524.75	3/4	214.08	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,139.60	10	828.94	10	518.27	10	207.61	10		10		10		10		10		10	
1/4	1,133.13	1/4	822.47	1/4	511.80	1/4	201.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,126.66	1/2	815.99	1/2	505.33	1/2	194.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,120.19	3/4	809.52	3/4	498.86	3/4	188.19	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,113.72	11	803.05	11	492.38	11	181.72	11		11		11		11		11		11	
1/4	1,107.24	1/4	796.58	1/4	485.91	1/4	175.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,100.77	1/2	790.11	1/2	479.44	1/2	168.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,094.30	3/4	783.63	3/4	472.97	3/4	162.30	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2011 CL - SW
CALCULATED: 05/13/2011 CL
PRINTED: 05/13/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

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



BARGE "DBL 18"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-00 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 4'-03" OFF CENTERLINE AND 105'-06" 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 "DBL 18"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-00 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	1,337.90	0	1,008.69	0	679.47	0	350.26	0	22.22	0		0		0		0		0	
1/4	1,331.04	1/4	1,001.83	1/4	672.61	1/4	343.40	1/4	15.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,324.18	1/2	994.97	1/2	665.76	1/2	336.54	1/2	9.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,317.32	3/4	988.11	3/4	658.90	3/4	329.68	3/4		3/4		3/4		3/4		3/4		3/4	
1	1,310.46	1	981.25	1	652.04	1	322.83	1		1		1		1		1		1	
1/4	1,303.61	1/4	974.39	1/4	645.18	1/4	315.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,296.75	1/2	967.53	1/2	638.32	1/2	309.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,289.89	3/4	960.68	3/4	631.46	3/4	302.25	3/4		3/4		3/4		3/4		3/4		3/4	
2	1,283.03	2	953.82	2	624.60	2	295.39	2		2		2		2		2		2	
1/4	1,276.17	1/4	946.96	1/4	617.75	1/4	288.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,269.31	1/2	940.10	1/2	610.89	1/2	281.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,262.45	3/4	933.24	3/4	604.03	3/4	274.82	3/4		3/4		3/4		3/4		3/4		3/4	
3	1,255.59	3	926.38	3	597.17	3	267.96	3		3		3		3		3		3	
1/4	1,248.74	1/4	919.52	1/4	590.31	1/4	261.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,241.88	1/2	912.66	1/2	583.45	1/2	254.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,235.02	3/4	905.81	3/4	576.59	3/4	247.38	3/4		3/4		3/4		3/4		3/4		3/4	
4	1,228.16	4	898.95	4	569.73	4	240.52	4		4		4		4		4		4	
1/4	1,221.30	1/4	892.09	1/4	562.88	1/4	233.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,214.44	1/2	885.23	1/2	556.02	1/2	226.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,207.58	3/4	878.37	3/4	549.16	3/4	219.95	3/4		3/4		3/4		3/4		3/4		3/4	
5	1,200.73	5	871.51	5	542.30	5	213.09	5		5		5		5		5		5	
1/4	1,193.87	1/4	864.65	1/4	535.44	1/4	206.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,187.01	1/2	857.80	1/2	528.58	1/2	199.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,180.15	3/4	850.94	3/4	521.72	3/4	192.52	3/4		3/4		3/4		3/4		3/4		3/4	
6	1,173.29	6	844.08	6	514.87	6	185.67	6		6		6		6		6		6	
1/4	1,166.43	1/4	837.22	1/4	508.01	1/4	178.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,159.57	1/2	830.36	1/2	501.15	1/2	171.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,152.72	3/4	823.50	3/4	494.29	3/4	165.09	3/4		3/4		3/4		3/4		3/4		3/4	
7	1,145.86	7	816.64	7	487.43	7	158.24	7		7		7		7		7		7	
1/4	1,139.00	1/4	809.79	1/4	480.57	1/4	151.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,132.14	1/2	802.93	1/2	473.71	1/2	144.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,125.28	3/4	796.07	3/4	466.86	3/4	137.66	3/4		3/4		3/4		3/4		3/4		3/4	
8	1,118.42	8	789.21	8	460.00	8	130.81	8		8		8		8		8		8	
1/4	1,111.56	1/4	782.35	1/4	453.14	1/4	123.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,104.71	1/2	775.49	1/2	446.28	1/2	117.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,097.85	3/4	768.63	3/4	439.42	3/4	110.23	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,090.99	9	761.78	9	432.56	9	103.38	9		9		9		9		9		9	
1/4	1,084.13	1/4	754.92	1/4	425.70	1/4	96.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,077.27	1/2	748.06	1/2	418.85	1/2	89.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,070.41	3/4	741.20	3/4	411.99	3/4	82.80	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,063.55	10	734.34	10	405.13	10	75.94	10		10		10		10		10		10	
1/4	1,056.70	1/4	727.48	1/4	398.27	1/4	69.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,049.84	1/2	720.62	1/2	391.41	1/2	62.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,042.98	3/4	713.77	3/4	384.55	3/4	55.37	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,036.12	11	706.91	11	377.69	11	48.51	11		11		11		11		11		11	
1/4	1,029.26	1/4	700.05	1/4	370.84	1/4	41.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,022.40	1/2	693.19	1/2	363.98	1/2	34.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,015.54	3/4	686.33	3/4	357.12	3/4	28.50	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2011 CL - SW
CALCULATED: 05/13/2011 CL
PRINTED: 05/13/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "DBL 18"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	3,964.63	0	3,619.92	0	3,275.21	0	2,930.51	0	2,585.80	0	2,241.09	0	1,896.39		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,957.45	1/4	3,612.74	1/4	3,268.03	1/4	2,923.33	1/4	2,578.62	1/4	2,233.91	1/4	1,889.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,950.27	1/2	3,605.56	1/2	3,260.85	1/2	2,916.14	1/2	2,571.44	1/2	2,226.73	1/2	1,882.02		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,943.09	3/4	3,598.38	3/4	3,253.67	3/4	2,908.96	3/4	2,564.26	3/4	2,219.55	3/4	1,874.84		
1		1		1		1	3,935.90	1	3,591.20	1	3,246.49	1	2,901.78	1	2,557.07	1	2,212.37	1	1,867.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,928.72	1/4	3,584.02	1/4	3,239.31	1/4	2,894.60	1/4	2,549.89	1/4	2,205.19	1/4	1,860.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,921.54	1/2	3,576.83	1/2	3,232.13	1/2	2,887.42	1/2	2,542.71	1/2	2,198.00	1/2	1,853.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,914.36	3/4	3,569.65	3/4	3,224.95	3/4	2,880.24	3/4	2,535.53	3/4	2,190.82	3/4	1,846.12		
2		2		2		2	3,907.18	2	3,562.47	2	3,217.76	2	2,873.06	2	2,528.35	2	2,183.64	2	1,838.93		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,900.00	1/4	3,555.29	1/4	3,210.58	1/4	2,865.88	1/4	2,521.17	1/4	2,176.46	1/4	1,831.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,892.82	1/2	3,548.11	1/2	3,203.40	1/2	2,858.69	1/2	2,513.99	1/2	2,169.28	1/2	1,824.57		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,885.63	3/4	3,540.93	3/4	3,196.22	3/4	2,851.51	3/4	2,506.81	3/4	2,162.10	3/4	1,817.39		
3		3		3		3	3,878.45	3	3,533.75	3	3,189.04	3	2,844.33	3	2,499.62	3	2,154.92	3	1,810.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,871.27	1/4	3,526.56	1/4	3,181.86	1/4	2,837.15	1/4	2,492.44	1/4	2,147.74	1/4	1,803.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,864.09	1/2	3,519.38	1/2	3,174.68	1/2	2,829.97	1/2	2,485.26	1/2	2,140.55	1/2	1,795.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,856.91	3/4	3,512.20	3/4	3,167.49	3/4	2,822.79	3/4	2,478.08	3/4	2,133.37	3/4	1,788.67		
4		4		4		4	3,849.73	4	3,505.02	4	3,160.31	4	2,815.61	4	2,470.90	4	2,126.19	4	1,781.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,842.55	1/4	3,497.84	1/4	3,153.13	1/4	2,808.42	1/4	2,463.72	1/4	2,119.01	1/4	1,774.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,835.36	1/2	3,490.66	1/2	3,145.95	1/2	2,801.24	1/2	2,456.54	1/2	2,111.83	1/2	1,767.12		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,828.18	3/4	3,483.48	3/4	3,138.77	3/4	2,794.06	3/4	2,449.35	3/4	2,104.65	3/4	1,759.94		
5		5		5		5	3,821.00	5	3,476.29	5	3,131.59	5	2,786.88	5	2,442.17	5	2,097.47	5	1,752.76		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,813.82	1/4	3,469.11	1/4	3,124.41	1/4	2,779.70	1/4	2,434.99	1/4	2,090.28	1/4	1,745.58		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,806.64	1/2	3,461.93	1/2	3,117.22	1/2	2,772.52	1/2	2,427.81	1/2	2,083.10	1/2	1,738.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,799.46	3/4	3,454.75	3/4	3,110.04	3/4	2,765.34	3/4	2,420.63	3/4	2,075.92	3/4	1,731.21		
6		6		6		6	3,792.28	6	3,447.57	6	3,102.86	6	2,758.15	6	2,413.45	6	2,068.74	6	1,724.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,093.90	1/4	3,785.09	1/4	3,440.39	1/4	3,095.68	1/4	2,750.97	1/4	2,406.27	1/4	2,061.56	1/4	1,716.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,093.18	1/2	3,777.91	1/2	3,433.21	1/2	3,088.50	1/2	2,743.79	1/2	2,399.08	1/2	2,054.38	1/2	1,709.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,092.46	3/4	3,770.73	3/4	3,426.02	3/4	3,081.32	3/4	2,736.61	3/4	2,391.90	3/4	2,047.20	3/4	1,702.49
7		7		7		7	4,089.59	7	3,763.55	7	3,418.84	7	3,074.14	7	2,729.43	7	2,384.72	7	2,040.01	7	1,695.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,086.72	1/4	3,756.37	1/4	3,411.66	1/4	3,066.95	1/4	2,722.25	1/4	2,377.54	1/4	2,032.83	1/4	1,688.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,083.85	1/2	3,749.19	1/2	3,404.48	1/2	3,059.77	1/2	2,715.07	1/2	2,370.36	1/2	2,025.65	1/2	1,680.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,080.97	3/4	3,742.01	3/4	3,397.30	3/4	3,052.59	3/4	2,707.88	3/4	2,363.18	3/4	2,018.47	3/4	1,673.76
8		8		8		8	4,075.23	8	3,734.82	8	3,390.12	8	3,045.41	8	2,700.70	8	2,356.00	8	2,011.29	8	1,666.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,069.48	1/4	3,727.64	1/4	3,382.94	1/4	3,038.23	1/4	2,693.52	1/4	2,348.81	1/4	2,004.11	1/4	1,659.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,063.73	1/2	3,720.46	1/2	3,375.75	1/2	3,031.05	1/2	2,686.34	1/2	2,341.63	1/2	1,996.93	1/2	1,652.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,057.99	3/4	3,713.28	3/4	3,368.57	3/4	3,023.87	3/4	2,679.16	3/4	2,334.45	3/4	1,989.74	3/4	1,645.04
9		9		9		9	4,050.81	9	3,706.10	9	3,361.39	9	3,016.68	9	2,671.98	9	2,327.27	9	1,982.56	9	1,637.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,043.62	1/4	3,698.92	1/4	3,354.21	1/4	3,009.50	1/4	2,664.80	1/4	2,320.09	1/4	1,975.38	1/4	1,630.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,036.44	1/2	3,691.74	1/2	3,347.03	1/2	3,002.32	1/2	2,657.61	1/2	2,312.91	1/2	1,968.20	1/2	1,623.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,029.26	3/4	3,684.55	3/4	3,339.85	3/4	2,995.14	3/4	2,650.43	3/4	2,305.73	3/4	1,961.02	3/4	1,616.31
10		10		10		10	4,022.08	10	3,677.37	10	3,332.67	10	2,987.96	10	2,643.25	10	2,298.54	10	1,953.84	10	1,609.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,014.90	1/4	3,670.19	1/4	3,325.48	1/4	2,980.78	1/4	2,636.07	1/4	2,291.36	1/4	1,946.66	1/4	1,601.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,007.72	1/2	3,663.01	1/2	3,318.30	1/2	2,973.60	1/2	2,628.89	1/2	2,284.18	1/2	1,939.47	1/2	1,594.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,000.54	3/4	3,655.83	3/4	3,311.12	3/4	2,966.41	3/4	2,621.71	3/4	2,277.00	3/4	1,932.29	3/4	1,587.59
11		11		11		11	3,993.35	11	3,648.65	11	3,303.94	11	2,959.23	11	2,614.53	11	2,269.82	11	1,925.11	11	1,580.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,986.17	1/4	3,641.47	1/4	3,296.76	1/4	2,952.05	1/4	2,607.34	1/4	2,262.64	1/4	1,917.93	1/4	1,573.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,978.99	1/2	3,634.28	1/2	3,289.58	1/2	2,944.87	1/2	2,600.16	1/2	2,255.46	1/2	1,910.75	1/2	1,566.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,971.81	3/4	3,627.10	3/4	3,282.40	3/4	2,937.69	3/4	2,592.98	3/4	2,248.27	3/4	1,903.57	3/4	1,558.86

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 10" DIAMETER HATCH (TOP LIP OPPOSITE HINGE).

GAUGE POINT: (10" HATCH) LOCATED ON CENTERLINE AND 52'-09" 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 "DBL 18"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 3/4"

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	1,551.68	0	1,206.97	0	862.26	0	517.56	0	172.85	0		0		0		0		0	
1/4	1,544.50	1/4	1,199.79	1/4	855.08	1/4	510.38	1/4	165.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,537.32	1/2	1,192.61	1/2	847.90	1/2	503.19	1/2	158.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,530.13	3/4	1,185.43	3/4	840.72	3/4	496.01	3/4	151.31	3/4		3/4		3/4		3/4		3/4	
1	1,522.95	1	1,178.25	1	833.54	1	488.83	1	144.12	1		1		1		1		1	
1/4	1,515.77	1/4	1,171.06	1/4	826.36	1/4	481.65	1/4	136.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,508.59	1/2	1,163.88	1/2	819.18	1/2	474.47	1/2	129.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,501.41	3/4	1,156.70	3/4	811.99	3/4	467.29	3/4	122.58	3/4		3/4		3/4		3/4		3/4	
2	1,494.23	2	1,149.52	2	804.81	2	460.11	2	115.40	2		2		2		2		2	
1/4	1,487.05	1/4	1,142.34	1/4	797.63	1/4	452.92	1/4	108.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,479.86	1/2	1,135.16	1/2	790.45	1/2	445.74	1/2	101.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,472.68	3/4	1,127.98	3/4	783.27	3/4	438.56	3/4	93.85	3/4		3/4		3/4		3/4		3/4	
3	1,465.50	3	1,120.79	3	776.09	3	431.38	3	86.67	3		3		3		3		3	
1/4	1,458.32	1/4	1,113.61	1/4	768.91	1/4	424.20	1/4	79.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,451.14	1/2	1,106.43	1/2	761.72	1/2	417.02	1/2	72.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,443.96	3/4	1,099.25	3/4	754.54	3/4	409.84	3/4	65.13	3/4		3/4		3/4		3/4		3/4	
4	1,436.78	4	1,092.07	4	747.36	4	402.65	4	57.95	4		4		4		4		4	
1/4	1,429.60	1/4	1,084.89	1/4	740.18	1/4	395.47	1/4	50.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,422.41	1/2	1,077.71	1/2	733.00	1/2	388.29	1/2	43.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,415.23	3/4	1,070.53	3/4	725.82	3/4	381.11	3/4	36.40	3/4		3/4		3/4		3/4		3/4	
5	1,408.05	5	1,063.34	5	718.64	5	373.93	5	29.22	5		5		5		5		5	
1/4	1,400.87	1/4	1,056.16	1/4	711.46	1/4	366.75	1/4	23.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,393.69	1/2	1,048.98	1/2	704.27	1/2	359.57	1/2	16.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,386.51	3/4	1,041.80	3/4	697.09	3/4	352.39	3/4	10.07	3/4		3/4		3/4		3/4		3/4	
6	1,379.33	6	1,034.62	6	689.91	6	345.20	6	7.68	6		6		6		6		6	
1/4	1,372.14	1/4	1,027.44	1/4	682.73	1/4	338.02	1/4	5.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,364.96	1/2	1,020.26	1/2	675.55	1/2	330.84	1/2	2.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,357.78	3/4	1,013.07	3/4	668.37	3/4	323.66	3/4	0.49	3/4		3/4		3/4		3/4		3/4	
7	1,350.60	7	1,005.89	7	661.19	7	316.48	7		7		7		7		7		7	
1/4	1,343.42	1/4	998.71	1/4	654.00	1/4	309.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,336.24	1/2	991.53	1/2	646.82	1/2	302.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,329.06	3/4	984.35	3/4	639.64	3/4	294.93	3/4		3/4		3/4		3/4		3/4		3/4	
8	1,321.87	8	977.17	8	632.46	8	287.75	8		8		8		8		8		8	
1/4	1,314.69	1/4	969.99	1/4	625.28	1/4	280.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,307.51	1/2	962.80	1/2	618.10	1/2	273.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,300.33	3/4	955.62	3/4	610.92	3/4	266.21	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,293.15	9	948.44	9	603.73	9	259.03	9		9		9		9		9		9	
1/4	1,285.97	1/4	941.26	1/4	596.55	1/4	251.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,278.79	1/2	934.08	1/2	589.37	1/2	244.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,271.60	3/4	926.90	3/4	582.19	3/4	237.48	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,264.42	10	919.72	10	575.01	10	230.30	10		10		10		10		10		10	
1/4	1,257.24	1/4	912.53	1/4	567.83	1/4	223.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,250.06	1/2	905.35	1/2	560.65	1/2	215.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,242.88	3/4	898.17	3/4	553.46	3/4	208.76	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,235.70	11	890.99	11	546.28	11	201.58	11		11		11		11		11		11	
1/4	1,228.52	1/4	883.81	1/4	539.10	1/4	194.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,221.33	1/2	876.63	1/2	531.92	1/2	187.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,214.15	3/4	869.45	3/4	524.74	3/4	180.03	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2011 CL - SW
CALCULATED: 05/13/2011 CL
PRINTED: 05/13/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

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