



BARGE "DBL 10"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8
2 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
3 STBD	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8
4 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

(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 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

May 28, 2020

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

<http://www.pmacorp.net>



BARGE "DBL 10"

TANK 1 ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-01 1/4"

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	3,646.48	0	3,318.09	0	2,989.70	0	2,661.31	0	2,332.92	0	2,004.52	0	1,676.13
1/4		1/4		1/4		1/4	3,639.64	1/4	3,311.25	1/4	2,982.86	1/4	2,654.47	1/4	2,326.08	1/4	1,997.68	1/4	1,669.29
1/2		1/2		1/2		1/2	3,632.80	1/2	3,304.41	1/2	2,976.02	1/2	2,647.63	1/2	2,319.24	1/2	1,990.84	1/2	1,662.45
3/4		3/4		3/4		3/4	3,625.96	3/4	3,297.57	3/4	2,969.17	3/4	2,640.78	3/4	2,312.39	3/4	1,984.00	3/4	1,655.61
1		1		1		1	3,619.12	1	3,290.73	1	2,962.33	1	2,633.94	1	2,305.55	1	1,977.16	1	1,648.77
1/4		1/4		1/4		1/4	3,612.28	1/4	3,283.89	1/4	2,955.49	1/4	2,627.10	1/4	2,298.71	1/4	1,970.32	1/4	1,641.93
1/2		1/2		1/2		1/2	3,605.44	1/2	3,277.05	1/2	2,948.65	1/2	2,620.26	1/2	2,291.87	1/2	1,963.48	1/2	1,635.09
3/4		3/4		3/4		3/4	3,598.60	3/4	3,270.20	3/4	2,941.81	3/4	2,613.42	3/4	2,285.02	3/4	1,956.63	3/4	1,628.24
2		2		2		2	3,591.75	2	3,263.36	2	2,934.97	2	2,606.58	2	2,278.18	2	1,949.79	2	1,621.40
1/4		1/4		1/4		1/4	3,584.91	1/4	3,256.52	1/4	2,928.13	1/4	2,599.74	1/4	2,271.34	1/4	1,942.95	1/4	1,614.56
1/2		1/2		1/2		1/2	3,578.07	1/2	3,249.68	1/2	2,921.29	1/2	2,592.90	1/2	2,264.50	1/2	1,936.11	1/2	1,607.72
3/4		3/4		3/4		3/4	3,571.23	3/4	3,242.83	3/4	2,914.44	3/4	2,586.05	3/4	2,257.66	3/4	1,929.27	3/4	1,600.87
3		3		3		3	3,564.39	3	3,235.99	3	2,907.60	3	2,579.21	3	2,250.82	3	1,922.43	3	1,594.03
1/4		1/4		1/4		1/4	3,557.55	1/4	3,229.15	1/4	2,900.76	1/4	2,572.37	1/4	2,243.98	1/4	1,915.59	1/4	1,587.19
1/2		1/2		1/2		1/2	3,550.71	1/2	3,222.31	1/2	2,893.92	1/2	2,565.53	1/2	2,237.14	1/2	1,908.75	1/2	1,580.35
3/4		3/4		3/4		3/4	3,543.86	3/4	3,215.47	3/4	2,887.08	3/4	2,558.68	3/4	2,230.29	3/4	1,901.90	3/4	1,573.51
4		4		4		4	3,537.02	4	3,208.63	4	2,880.24	4	2,551.84	4	2,223.45	4	1,895.06	4	1,566.67
1/4		1/4		1/4		1/4	3,530.18	1/4	3,201.79	1/4	2,873.40	1/4	2,545.00	1/4	2,216.61	1/4	1,888.22	1/4	1,559.83
1/2		1/2		1/2		1/2	3,523.34	1/2	3,194.95	1/2	2,866.56	1/2	2,538.16	1/2	2,209.77	1/2	1,881.38	1/2	1,552.99
3/4		3/4		3/4		3/4	3,516.49	3/4	3,188.10	3/4	2,859.71	3/4	2,531.32	3/4	2,202.93	3/4	1,874.53	3/4	1,546.14
5		5		5		5	3,509.65	5	3,181.26	5	2,852.87	5	2,524.48	5	2,196.09	5	1,867.69	5	1,539.30
1/4		1/4		1/4		1/4	3,502.81	1/4	3,174.42	1/4	2,846.03	1/4	2,517.64	1/4	2,189.25	1/4	1,860.85	1/4	1,532.46
1/2		1/2		1/2		1/2	3,495.97	1/2	3,167.58	1/2	2,839.19	1/2	2,510.80	1/2	2,182.41	1/2	1,854.01	1/2	1,525.62
3/4		3/4		3/4		3/4	3,489.13	3/4	3,160.74	3/4	2,832.34	3/4	2,503.95	3/4	2,175.56	3/4	1,847.17	3/4	1,518.78
6		6		6		6	3,482.29	6	3,153.90	6	2,825.50	6	2,497.11	6	2,168.72	6	1,840.33	6	1,511.94
1/4		1/4		1/4		1/4	3,791.52	1/4	3,475.45	1/4	3,147.06	1/4	2,818.66	1/4	2,490.27	1/4	2,161.88	1/4	1,505.10
1/2		1/2		1/2		1/2	3,787.42	1/2	3,468.61	1/2	3,140.22	1/2	2,811.82	1/2	2,483.43	1/2	2,155.04	1/2	1,498.26
3/4		3/4		3/4		3/4	3,783.32	3/4	3,461.76	3/4	3,133.37	3/4	2,804.98	3/4	2,476.59	3/4	2,148.19	3/4	1,491.41
7		7		7		7	3,779.21	7	3,454.92	7	3,126.53	7	2,798.14	7	2,469.75	7	2,141.35	7	1,484.57
1/4		1/4		1/4		1/4	3,775.11	1/4	3,448.08	1/4	3,119.69	1/4	2,791.30	1/4	2,462.91	1/4	2,134.51	1/4	1,477.73
1/2		1/2		1/2		1/2	3,768.61	1/2	3,441.24	1/2	3,112.85	1/2	2,784.46	1/2	2,456.07	1/2	2,127.67	1/2	1,470.89
3/4		3/4		3/4		3/4	3,762.11	3/4	3,434.40	3/4	3,106.00	3/4	2,777.61	3/4	2,449.22	3/4	2,120.83	3/4	1,464.04
8		8		8		8	3,755.61	8	3,427.56	8	3,099.16	8	2,770.77	8	2,442.38	8	2,113.99	8	1,457.20
1/4		1/4		1/4		1/4	3,749.11	1/4	3,420.72	1/4	3,092.32	1/4	2,763.93	1/4	2,435.54	1/4	2,107.15	1/4	1,450.36
1/2		1/2		1/2		1/2	3,742.27	1/2	3,413.88	1/2	3,085.48	1/2	2,757.09	1/2	2,428.70	1/2	2,100.31	1/2	1,443.52
3/4		3/4		3/4		3/4	3,735.43	3/4	3,407.03	3/4	3,078.64	3/4	2,750.25	3/4	2,421.85	3/4	2,093.46	3/4	1,436.68
9		9		9		9	3,728.58	9	3,400.19	9	3,071.80	9	2,743.41	9	2,415.01	9	2,086.62	9	1,429.84
1/4		1/4		1/4		1/4	3,721.74	1/4	3,393.35	1/4	3,064.96	1/4	2,736.57	1/4	2,408.17	1/4	2,079.78	1/4	1,423.00
1/2		1/2		1/2		1/2	3,714.90	1/2	3,386.51	1/2	3,058.12	1/2	2,729.73	1/2	2,401.33	1/2	2,072.94	1/2	1,416.16
3/4		3/4		3/4		3/4	3,708.06	3/4	3,379.66	3/4	3,051.27	3/4	2,722.88	3/4	2,394.49	3/4	2,066.10	3/4	1,409.31
10		10		10		10	3,701.22	10	3,372.82	10	3,044.43	10	2,716.04	10	2,387.65	10	2,059.26	10	1,402.47
1/4		1/4		1/4		1/4	3,694.38	1/4	3,365.98	1/4	3,037.59	1/4	2,709.20	1/4	2,380.81	1/4	2,052.42	1/4	1,395.63
1/2		1/2		1/2		1/2	3,687.54	1/2	3,359.14	1/2	3,030.75	1/2	2,702.36	1/2	2,373.97	1/2	2,045.58	1/2	1,388.79
3/4		3/4		3/4		3/4	3,680.70	3/4	3,352.30	3/4	3,023.91	3/4	2,695.51	3/4	2,367.12	3/4	2,038.73	3/4	1,381.95
11		11		11		11	3,673.85	11	3,345.46	11	3,017.07	11	2,688.67	11	2,360.28	11	2,031.89	11	1,375.11
1/4		1/4		1/4		1/4	3,667.01	1/4	3,338.62	1/4	3,010.23	1/4	2,681.83	1/4	2,353.44	1/4	2,025.05	1/4	1,368.27
1/2		1/2		1/2		1/2	3,660.17	1/2	3,331.78	1/2	3,003.39	1/2	2,674.99	1/2	2,346.60	1/2	2,018.21	1/2	1,361.43
3/4		3/4		3/4		3/4	3,653.33	3/4	3,324.93	3/4	2,996.54	3/4	2,668.15	3/4	2,339.76	3/4	2,011.36	3/4	1,354.58

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 SHELL.
 GAUGE POINT: TO TOP OF 10" DIAMETER GAUGE HATCH LOCATED 13'-3" OFF CENTERLINE AND 102'-0" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "DBL 10"

TANK 1 ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-01 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	1,347.74	0	1,019.35	0	690.96	0	362.56	0	34.34	0		0		0		0		0	
1/4	1,340.90	1/4	1,012.51	1/4	684.12	1/4	355.72	1/4	27.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,334.06	1/2	1,005.67	1/2	677.28	1/2	348.88	1/2	22.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,327.21	3/4	998.82	3/4	670.43	3/4	342.04	3/4	17.36	3/4		3/4		3/4		3/4		3/4	
1	1,320.37	1	991.98	1	663.59	1	335.20	1	12.27	1		1		1		1		1	
1/4	1,313.53	1/4	985.14	1/4	656.75	1/4	328.36	1/4	7.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,306.69	1/2	978.30	1/2	649.91	1/2	321.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,299.85	3/4	971.46	3/4	643.06	3/4	314.67	3/4		3/4		3/4		3/4		3/4		3/4	
2	1,293.01	2	964.62	2	636.22	2	307.83	2		2		2		2		2		2	
1/4	1,286.17	1/4	957.78	1/4	629.38	1/4	300.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,279.33	1/2	950.94	1/2	622.54	1/2	294.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,272.48	3/4	944.09	3/4	615.70	3/4	287.31	3/4		3/4		3/4		3/4		3/4		3/4	
3	1,265.64	3	937.25	3	608.86	3	280.47	3		3		3		3		3		3	
1/4	1,258.80	1/4	930.41	1/4	602.02	1/4	273.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,251.96	1/2	923.57	1/2	595.18	1/2	266.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,245.12	3/4	916.72	3/4	588.33	3/4	259.94	3/4		3/4		3/4		3/4		3/4		3/4	
4	1,238.28	4	909.88	4	581.49	4	253.10	4		4		4		4		4		4	
1/4	1,231.44	1/4	903.04	1/4	574.65	1/4	246.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,224.60	1/2	896.20	1/2	567.81	1/2	239.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,217.75	3/4	889.36	3/4	560.97	3/4	232.57	3/4		3/4		3/4		3/4		3/4		3/4	
5	1,210.91	5	882.52	5	554.13	5	225.73	5		5		5		5		5		5	
1/4	1,204.07	1/4	875.68	1/4	547.29	1/4	218.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,197.23	1/2	868.84	1/2	540.45	1/2	212.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,190.38	3/4	861.99	3/4	533.60	3/4	205.21	3/4		3/4		3/4		3/4		3/4		3/4	
6	1,183.54	6	855.15	6	526.76	6	198.37	6		6		6		6		6		6	
1/4	1,176.70	1/4	848.31	1/4	519.92	1/4	191.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,169.86	1/2	841.47	1/2	513.08	1/2	184.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,163.02	3/4	834.63	3/4	506.23	3/4	177.84	3/4		3/4		3/4		3/4		3/4		3/4	
7	1,156.18	7	827.79	7	499.39	7	171.00	7		7		7		7		7		7	
1/4	1,149.34	1/4	820.95	1/4	492.55	1/4	164.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,142.50	1/2	814.11	1/2	485.71	1/2	157.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,135.65	3/4	807.26	3/4	478.87	3/4	150.48	3/4		3/4		3/4		3/4		3/4		3/4	
8	1,128.81	8	800.42	8	472.03	8	143.64	8		8		8		8		8		8	
1/4	1,121.97	1/4	793.58	1/4	465.19	1/4	136.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,115.13	1/2	786.74	1/2	458.35	1/2	129.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,108.29	3/4	779.89	3/4	451.50	3/4	123.11	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,101.45	9	773.05	9	444.66	9	116.27	9		9		9		9		9		9	
1/4	1,094.61	1/4	766.21	1/4	437.82	1/4	109.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,087.77	1/2	759.37	1/2	430.98	1/2	102.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,080.92	3/4	752.53	3/4	424.14	3/4	95.74	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,074.08	10	745.69	10	417.30	10	88.90	10		10		10		10		10		10	
1/4	1,067.24	1/4	738.85	1/4	410.46	1/4	82.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,060.40	1/2	732.01	1/2	403.62	1/2	75.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,053.55	3/4	725.16	3/4	396.77	3/4	68.40	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,046.71	11	718.32	11	389.93	11	61.57	11		11		11		11		11		11	
1/4	1,039.87	1/4	711.48	1/4	383.09	1/4	54.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,033.03	1/2	704.64	1/2	376.25	1/2	47.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,026.19	3/4	697.80	3/4	369.40	3/4	41.14	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 5/13/1997 BC
CALCULATED: 5/15/1997 SO
REPRINTED: 01/27/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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



BARGE "DBL 10"

TANK 2 ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0		0		0		0	3,737.84	0	3,411.07	0	3,084.31	0	2,757.54	0	2,430.78	0	2,104.01	0	1,777.25
1/4		1/4		1/4		1/4	3,731.03	1/4	3,404.26	1/4	3,077.50	1/4	2,750.73	1/4	2,423.97	1/4	2,097.20	1/4	1,770.44
1/2		1/2		1/2		1/2	3,724.23	1/2	3,397.46	1/2	3,070.70	1/2	2,743.93	1/2	2,417.17	1/2	2,090.40	1/2	1,763.64
3/4		3/4		3/4		3/4	3,717.42	3/4	3,390.65	3/4	3,063.89	3/4	2,737.12	3/4	2,410.36	3/4	2,083.59	3/4	1,756.83
1		1		1		1	3,710.61	1	3,383.84	1	3,057.08	1	2,730.31	1	2,403.55	1	2,076.78	1	1,750.02
1/4		1/4		1/4		1/4	3,703.80	1/4	3,377.03	1/4	3,050.27	1/4	2,723.50	1/4	2,396.74	1/4	2,069.97	1/4	1,743.21
1/2		1/2		1/2		1/2	3,697.00	1/2	3,370.23	1/2	3,043.47	1/2	2,716.70	1/2	2,389.94	1/2	2,063.17	1/2	1,736.41
3/4		3/4		3/4		3/4	3,690.19	3/4	3,363.42	3/4	3,036.66	3/4	2,709.89	3/4	2,383.13	3/4	2,056.36	3/4	1,729.60
2		2		2		2	3,683.38	2	3,356.61	2	3,029.85	2	2,703.08	2	2,376.32	2	2,049.55	2	1,722.79
1/4		1/4		1/4		1/4	3,676.57	1/4	3,349.80	1/4	3,023.04	1/4	2,696.27	1/4	2,369.51	1/4	2,042.74	1/4	1,715.98
1/2		1/2		1/2		1/2	3,669.77	1/2	3,343.00	1/2	3,016.24	1/2	2,689.47	1/2	2,362.71	1/2	2,035.94	1/2	1,709.18
3/4		3/4		3/4		3/4	3,662.96	3/4	3,336.19	3/4	3,009.43	3/4	2,682.66	3/4	2,355.90	3/4	2,029.13	3/4	1,702.37
3		3		3		3	3,656.15	3	3,329.38	3	3,002.62	3	2,675.85	3	2,349.09	3	2,022.32	3	1,695.56
1/4		1/4		1/4		1/4	3,649.34	1/4	3,322.57	1/4	2,995.81	1/4	2,669.04	1/4	2,342.28	1/4	2,015.51	1/4	1,688.75
1/2		1/2		1/2		1/2	3,642.54	1/2	3,315.77	1/2	2,989.01	1/2	2,662.24	1/2	2,335.48	1/2	2,008.71	1/2	1,681.95
3/4		3/4		3/4		3/4	3,635.73	3/4	3,308.96	3/4	2,982.20	3/4	2,655.43	3/4	2,328.67	3/4	2,001.90	3/4	1,675.14
4		4		4		4	3,628.92	4	3,302.15	4	2,975.39	4	2,648.62	4	2,321.86	4	1,995.09	4	1,668.33
1/4		1/4		1/4		1/4	3,622.11	1/4	3,295.34	1/4	2,968.58	1/4	2,641.81	1/4	2,315.05	1/4	1,988.28	1/4	1,661.52
1/2		1/2		1/2		1/2	3,615.31	1/2	3,288.54	1/2	2,961.78	1/2	2,635.01	1/2	2,308.25	1/2	1,981.48	1/2	1,654.72
3/4		3/4		3/4		3/4	3,889.65 3,608.50	3/4	3,281.73	3/4	2,954.97	3/4	2,628.20	3/4	2,301.44	3/4	1,974.67	3/4	1,647.91
5		5		5		5	3,889.57 3,601.69	5	3,274.92	5	2,948.16	5	2,621.39	5	2,294.63	5	1,967.86	5	1,641.10
1/4		1/4		1/4		1/4	3,889.42 3,594.88	1/4	3,268.11	1/4	2,941.35	1/4	2,614.58	1/4	2,287.82	1/4	1,961.05	1/4	1,634.29
1/2		1/2		1/2		1/2	3,889.27 3,588.07	1/2	3,261.31	1/2	2,934.55	1/2	2,607.78	1/2	2,281.02	1/2	1,954.25	1/2	1,627.49
3/4		3/4		3/4		3/4	3,889.12 3,581.26	3/4	3,254.50	3/4	2,927.74	3/4	2,600.97	3/4	2,274.21	3/4	1,947.44	3/4	1,620.68
6		6		6		6	3,888.97 3,574.45	6	3,247.69	6	2,920.93	6	2,594.16	6	2,267.40	6	1,940.63	6	1,613.87
1/4		1/4		1/4		1/4	3,888.89 3,567.65	1/4	3,240.88	1/4	2,914.12	1/4	2,587.35	1/4	2,260.59	1/4	1,933.82	1/4	1,607.06
1/2		1/2		1/2		1/2	3,880.80 3,560.84	1/2	3,234.08	1/2	2,907.32	1/2	2,580.55	1/2	2,253.79	1/2	1,927.02	1/2	1,600.26
3/4		3/4		3/4		3/4	3,876.72 3,554.04	3/4	3,227.27	3/4	2,900.51	3/4	2,573.74	3/4	2,246.98	3/4	1,920.21	3/4	1,593.45
7		7		7		7	3,872.63 3,547.23	7	3,220.46	7	2,893.70	7	2,566.93	7	2,240.17	7	1,913.40	7	1,586.64
1/4		1/4		1/4		1/4	3,866.16 3,540.42	1/4	3,213.65	1/4	2,886.89	1/4	2,560.12	1/4	2,233.36	1/4	1,906.59	1/4	1,579.83
1/2		1/2		1/2		1/2	3,859.70 3,533.62	1/2	3,206.85	1/2	2,880.09	1/2	2,553.32	1/2	2,226.56	1/2	1,899.79	1/2	1,573.03
3/4		3/4		3/4		3/4	3,853.23 3,526.81	3/4	3,200.04	3/4	2,873.28	3/4	2,546.51	3/4	2,219.75	3/4	1,892.98	3/4	1,566.22
8		8		8		8	3,846.76 3,520.00	8	3,193.23	8	2,866.47	8	2,539.70	8	2,212.94	8	1,886.17	8	1,559.41
1/4		1/4		1/4		1/4	3,839.95 3,513.19	1/4	3,186.42	1/4	2,859.66	1/4	2,532.89	1/4	2,206.13	1/4	1,879.36	1/4	1,552.60
1/2		1/2		1/2		1/2	3,833.15 3,506.39	1/2	3,179.62	1/2	2,852.86	1/2	2,526.09	1/2	2,199.33	1/2	1,872.56	1/2	1,545.80
3/4		3/4		3/4		3/4	3,826.34 3,499.58	3/4	3,172.81	3/4	2,846.05	3/4	2,519.28	3/4	2,192.52	3/4	1,865.75	3/4	1,538.99
9		9		9		9	3,819.53 3,492.77	9	3,166.00	9	2,839.24	9	2,512.47	9	2,185.71	9	1,858.94	9	1,532.18
1/4		1/4		1/4		1/4	3,812.72 3,485.96	1/4	3,159.19	1/4	2,832.43	1/4	2,505.66	1/4	2,178.90	1/4	1,852.13	1/4	1,525.37
1/2		1/2		1/2		1/2	3,805.92 3,479.15	1/2	3,152.39	1/2	2,825.63	1/2	2,498.86	1/2	2,172.10	1/2	1,845.33	1/2	1,518.57
3/4		3/4		3/4		3/4	3,799.11 3,472.34	3/4	3,145.58	3/4	2,818.82	3/4	2,492.05	3/4	2,165.29	3/4	1,838.52	3/4	1,511.76
10		10		10		10	3,792.30 3,465.53	10	3,138.77	10	2,812.01	10	2,485.24	10	2,158.48	10	1,831.71	10	1,504.95
1/4		1/4		1/4		1/4	3,785.49 3,458.72	1/4	3,131.96	1/4	2,805.20	1/4	2,478.43	1/4	2,151.67	1/4	1,824.90	1/4	1,498.14
1/2		1/2		1/2		1/2	3,778.69 3,451.92	1/2	3,125.16	1/2	2,798.39	1/2	2,471.63	1/2	2,144.87	1/2	1,818.10	1/2	1,491.34
3/4		3/4		3/4		3/4	3,771.88 3,445.11	3/4	3,118.35	3/4	2,791.58	3/4	2,464.82	3/4	2,138.06	3/4	1,811.29	3/4	1,484.53
11		11		11		11	3,765.07 3,438.30	11	3,111.54	11	2,784.77	11	2,458.01	11	2,131.25	11	1,804.48	11	1,477.72
1/4		1/4		1/4		1/4	3,758.26 3,431.49	1/4	3,104.73	1/4	2,777.96	1/4	2,451.20	1/4	2,124.44	1/4	1,797.67	1/4	1,470.91
1/2		1/2		1/2		1/2	3,751.46 3,424.69	1/2	3,097.93	1/2	2,771.16	1/2	2,444.40	1/2	2,117.63	1/2	1,790.87	1/2	1,464.11
3/4		3/4		3/4		3/4	3,744.65 3,417.88	3/4	3,091.12	3/4	2,764.35	3/4	2,437.59	3/4	2,110.82	3/4	1,784.06	3/4	1,457.30

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 SHELL.
 GAUGE POINT: TO TOP OF 10" DIAMETER GAUGE HATCH LOCATED ON CENTERLINE AND 52'-0" 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 10"

TANK 2 ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06"

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	1,450.49	0	1,123.72	0	796.96	0	470.19	0	143.43	0		0		0		0		0	
1/4	1,443.68	1/4	1,116.91	1/4	790.15	1/4	463.38	1/4	136.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,436.87	1/2	1,110.11	1/2	783.35	1/2	456.58	1/2	129.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,430.06	3/4	1,103.30	3/4	776.54	3/4	449.77	3/4	123.01	3/4		3/4		3/4		3/4		3/4	
1	1,423.25	1	1,096.49	1	769.73	1	442.96	1	116.20	1		1		1		1		1	
1/4	1,416.44	1/4	1,089.68	1/4	762.92	1/4	436.15	1/4	109.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,409.64	1/2	1,082.88	1/2	756.11	1/2	429.35	1/2	102.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,402.83	3/4	1,076.07	3/4	749.30	3/4	422.54	3/4	95.78	3/4		3/4		3/4		3/4		3/4	
2	1,396.02	2	1,069.26	2	742.49	2	415.73	2	88.97	2		2		2		2		2	
1/4	1,389.21	1/4	1,062.45	1/4	735.68	1/4	408.92	1/4	82.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,382.41	1/2	1,055.65	1/2	728.88	1/2	402.12	1/2	75.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,375.60	3/4	1,048.84	3/4	722.07	3/4	395.31	3/4	68.54	3/4		3/4		3/4		3/4		3/4	
3	1,368.79	3	1,042.03	3	715.26	3	388.50	3	61.73	3		3		3		3		3	
1/4	1,361.98	1/4	1,035.22	1/4	708.45	1/4	381.69	1/4	54.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,355.18	1/2	1,028.42	1/2	701.65	1/2	374.89	1/2	48.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,348.37	3/4	1,021.61	3/4	694.84	3/4	368.08	3/4	41.31	3/4		3/4		3/4		3/4		3/4	
4	1,341.56	4	1,014.80	4	688.03	4	361.27	4	34.50	4		4		4		4		4	
1/4	1,334.75	1/4	1,007.99	1/4	681.22	1/4	354.46	1/4	28.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,327.95	1/2	1,001.19	1/2	674.42	1/2	347.66	1/2	22.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,321.14	3/4	994.38	3/4	667.61	3/4	340.85	3/4	15.78	3/4		3/4		3/4		3/4		3/4	
5	1,314.33	5	987.57	5	660.80	5	334.04	5	9.54	5		5		5		5		5	
1/4	1,307.52	1/4	980.76	1/4	653.99	1/4	327.23	1/4	7.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,300.72	1/2	973.96	1/2	647.19	1/2	320.43	1/2	5.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,293.91	3/4	967.15	3/4	640.38	3/4	313.62	3/4	2.74	3/4		3/4		3/4		3/4		3/4	
6	1,287.10	6	960.34	6	633.57	6	306.81	6	0.47	6		6		6		6		6	
1/4	1,280.29	1/4	953.53	1/4	626.76	1/4	300.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,273.49	1/2	946.73	1/2	619.96	1/2	293.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,266.68	3/4	939.92	3/4	613.15	3/4	286.39	3/4		3/4		3/4		3/4		3/4		3/4	
7	1,259.87	7	933.11	7	606.34	7	279.58	7		7		7		7		7		7	
1/4	1,253.06	1/4	926.30	1/4	599.53	1/4	272.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,246.26	1/2	919.50	1/2	592.73	1/2	265.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,239.45	3/4	912.69	3/4	585.92	3/4	259.16	3/4		3/4		3/4		3/4		3/4		3/4	
8	1,232.64	8	905.88	8	579.11	8	252.35	8		8		8		8		8		8	
1/4	1,225.83	1/4	899.07	1/4	572.30	1/4	245.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,219.03	1/2	892.27	1/2	565.50	1/2	238.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,212.22	3/4	885.46	3/4	558.69	3/4	231.93	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,205.41	9	878.65	9	551.88	9	225.12	9		9		9		9		9		9	
1/4	1,198.60	1/4	871.84	1/4	545.07	1/4	218.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,191.80	1/2	865.04	1/2	538.27	1/2	211.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,184.99	3/4	858.23	3/4	531.46	3/4	204.70	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,178.18	10	851.42	10	524.65	10	197.89	10		10		10		10		10		10	
1/4	1,171.37	1/4	844.61	1/4	517.84	1/4	191.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,164.57	1/2	837.81	1/2	511.04	1/2	184.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,157.76	3/4	831.00	3/4	504.23	3/4	177.47	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,150.95	11	824.19	11	497.42	11	170.66	11		11		11		11		11		11	
1/4	1,144.14	1/4	817.38	1/4	490.61	1/4	163.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,137.34	1/2	810.58	1/2	483.81	1/2	157.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,130.53	3/4	803.77	3/4	477.00	3/4	150.24	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 5/13/1997 BC
CALCULATED: 5/15/1997 SO
REPRINTED: 01/27/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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



BARGE "DBL 10"

TANK 3 ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-01"

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	3,663.64	0	3,333.08	0	3,002.52	0	2,671.97	0	2,341.41	0	2,010.85	0	1,680.30
1/4		1/4		1/4		1/4	3,656.75	1/4	3,326.19	1/4	2,995.63	1/4	2,665.08	1/4	2,334.52	1/4	2,003.97	1/4	1,673.41
1/2		1/2		1/2		1/2	3,649.87	1/2	3,319.31	1/2	2,988.74	1/2	2,658.20	1/2	2,327.64	1/2	1,997.08	1/2	1,666.53
3/4		3/4		3/4		3/4	3,642.98	3/4	3,312.42	3/4	2,981.85	3/4	2,651.31	3/4	2,320.75	3/4	1,990.20	3/4	1,659.64
1		1		1		1	3,636.09	1	3,305.53	1	2,974.96	1	2,644.42	1	2,313.86	1	1,983.31	1	1,652.75
1/4		1/4		1/4		1/4	3,629.20	1/4	3,298.65	1/4	2,968.08	1/4	2,637.53	1/4	2,306.98	1/4	1,976.42	1/4	1,645.86
1/2		1/2		1/2		1/2	3,622.32	1/2	3,291.76	1/2	2,961.20	1/2	2,630.65	1/2	2,300.09	1/2	1,969.54	1/2	1,638.98
3/4		3/4		3/4		3/4	3,615.43	3/4	3,284.88	3/4	2,954.31	3/4	2,623.76	3/4	2,293.21	3/4	1,962.65	3/4	1,632.09
2		2		2		2	3,608.54	2	3,277.99	2	2,947.43	2	2,616.87	2	2,286.32	2	1,955.76	2	1,625.20
1/4		1/4		1/4		1/4	3,601.66	1/4	3,271.10	1/4	2,940.54	1/4	2,609.99	1/4	2,279.43	1/4	1,948.87	1/4	1,618.32
1/2		1/2		1/2		1/2	3,594.77	1/2	3,264.22	1/2	2,933.66	1/2	2,603.10	1/2	2,272.55	1/2	1,941.99	1/2	1,611.43
3/4		3/4		3/4		3/4	3,587.89	3/4	3,257.33	3/4	2,926.77	3/4	2,596.22	3/4	2,265.66	3/4	1,935.10	3/4	1,604.55
3		3		3		3	3,581.00	3	3,250.44	3	2,919.88	3	2,589.33	3	2,258.77	3	1,928.21	3	1,597.66
1/4		1/4		1/4		1/4	3,574.11	1/4	3,243.55	1/4	2,913.00	1/4	2,582.44	1/4	2,251.88	1/4	1,921.33	1/4	1,590.77
1/2		1/2		1/2		1/2	3,567.23	1/2	3,236.67	1/2	2,906.11	1/2	2,575.56	1/2	2,245.00	1/2	1,914.44	1/2	1,583.89
3/4		3/4		3/4		3/4	3,560.34	3/4	3,229.78	3/4	2,899.23	3/4	2,568.67	3/4	2,238.11	3/4	1,907.56	3/4	1,577.00
4		4		4		4	3,553.45	4	3,222.89	4	2,892.34	4	2,561.78	4	2,231.22	4	1,900.67	4	1,570.11
1/4		1/4		1/4		1/4	3,546.57	1/4	3,216.01	1/4	2,885.45	1/4	2,554.89	1/4	2,224.34	1/4	1,893.78	1/4	1,563.22
1/2		1/2		1/2		1/2	3,539.68	1/2	3,209.12	1/2	2,878.57	1/2	2,548.01	1/2	2,217.45	1/2	1,886.90	1/2	1,556.34
3/4		3/4		3/4		3/4	3,532.80	3/4	3,202.24	3/4	2,871.68	3/4	2,541.12	3/4	2,210.57	3/4	1,880.01	3/4	1,549.45
5		5		5		5	3,525.91	5	3,195.35	5	2,864.79	5	2,534.23	5	2,203.68	5	1,873.12	5	1,542.56
1/4		1/4		1/4		1/4	3,519.02	1/4	3,188.46	1/4	2,857.91	1/4	2,527.35	1/4	2,196.79	1/4	1,866.23	1/4	1,535.68
1/2		1/2		1/2		1/2	3,512.14	1/2	3,181.58	1/2	2,851.02	1/2	2,520.46	1/2	2,189.91	1/2	1,859.35	1/2	1,528.79
3/4		3/4		3/4		3/4	3,505.25	3/4	3,174.69	3/4	2,844.14	3/4	2,513.58	3/4	2,183.02	3/4	1,852.46	3/4	1,521.91
6		6		6	3,816.52	6	3,498.36	6	3,167.80	6	2,837.25	6	2,506.69	6	2,176.13	6	1,845.57	6	1,515.02
1/4		1/4		1/4	3,812.39	1/4	3,491.47	1/4	3,160.92	1/4	2,830.36	1/4	2,499.80	1/4	2,169.25	1/4	1,838.69	1/4	1,508.13
1/2		1/2		1/2	3,808.26	1/2	3,484.59	1/2	3,154.03	1/2	2,823.48	1/2	2,492.92	1/2	2,162.36	1/2	1,831.80	1/2	1,501.25
3/4		3/4		3/4	3,804.12	3/4	3,477.70	3/4	3,147.15	3/4	2,816.59	3/4	2,486.03	3/4	2,155.48	3/4	1,824.92	3/4	1,494.36
7		7		7	3,799.99	7	3,470.81	7	3,140.26	7	2,809.70	7	2,479.14	7	2,148.59	7	1,818.03	7	1,487.47
1/4		1/4		1/4	3,793.45	1/4	3,463.93	1/4	3,133.37	1/4	2,802.81	1/4	2,472.26	1/4	2,141.70	1/4	1,811.14	1/4	1,480.59
1/2		1/2		1/2	3,786.91	1/2	3,457.04	1/2	3,126.49	1/2	2,795.93	1/2	2,465.37	1/2	2,134.82	1/2	1,804.26	1/2	1,473.70
3/4		3/4		3/4	3,780.36	3/4	3,450.16	3/4	3,119.60	3/4	2,789.04	3/4	2,458.49	3/4	2,127.93	3/4	1,797.37	3/4	1,466.82
8		8		8	3,773.82	8	3,443.27	8	3,112.71	8	2,782.15	8	2,451.60	8	2,121.04	8	1,790.48	8	1,459.93
1/4		1/4		1/4	3,766.94	1/4	3,436.38	1/4	3,105.82	1/4	2,775.27	1/4	2,444.71	1/4	2,114.15	1/4	1,783.60	1/4	1,453.04
1/2		1/2		1/2	3,760.05	1/2	3,429.50	1/2	3,098.94	1/2	2,768.38	1/2	2,437.83	1/2	2,107.27	1/2	1,776.71	1/2	1,446.16
3/4		3/4		3/4	3,753.17	3/4	3,422.61	3/4	3,092.05	3/4	2,761.50	3/4	2,430.94	3/4	2,100.38	3/4	1,769.83	3/4	1,439.27
9		9		9	3,746.28	9	3,415.72	9	3,085.16	9	2,754.61	9	2,424.05	9	2,093.49	9	1,762.94	9	1,432.38
1/4		1/4		1/4	3,739.39	1/4	3,408.83	1/4	3,078.28	1/4	2,747.72	1/4	2,417.16	1/4	2,086.61	1/4	1,756.05	1/4	1,425.49
1/2		1/2		1/2	3,732.51	1/2	3,401.95	1/2	3,071.39	1/2	2,740.84	1/2	2,410.28	1/2	2,079.72	1/2	1,749.17	1/2	1,418.61
3/4		3/4		3/4	3,725.62	3/4	3,395.06	3/4	3,064.51	3/4	2,733.95	3/4	2,403.39	3/4	2,072.84	3/4	1,742.28	3/4	1,411.72
10		10		10	3,718.73	10	3,388.17	10	3,057.62	10	2,727.06	10	2,396.50	10	2,065.95	10	1,735.39	10	1,404.83
1/4		1/4		1/4	3,711.84	1/4	3,381.29	1/4	3,050.73	1/4	2,720.17	1/4	2,389.62	1/4	2,059.06	1/4	1,728.50	1/4	1,397.95
1/2		1/2		1/2	3,704.96	1/2	3,374.40	1/2	3,043.85	1/2	2,713.29	1/2	2,382.73	1/2	2,052.18	1/2	1,721.62	1/2	1,391.06
3/4		3/4		3/4	3,698.07	3/4	3,367.52	3/4	3,036.96	3/4	2,706.40	3/4	2,375.85	3/4	2,045.29	3/4	1,714.73	3/4	1,384.18
11		11		11	3,691.18	11	3,360.63	11	3,030.07	11	2,699.51	11	2,368.96	11	2,038.40	11	1,707.84	11	1,377.29
1/4		1/4		1/4	3,684.30	1/4	3,353.74	1/4	3,023.18	1/4	2,692.63	1/4	2,362.07	1/4	2,031.51	1/4	1,700.96	1/4	1,370.40
1/2		1/2		1/2	3,677.41	1/2	3,346.86	1/2	3,016.30	1/2	2,685.74	1/2	2,355.19	1/2	2,024.63	1/2	1,694.07	1/2	1,363.52
3/4		3/4		3/4	3,670.53	3/4	3,339.97	3/4	3,009.41	3/4	2,678.86	3/4	2,348.30	3/4	2,017.74	3/4	1,687.19	3/4	1,356.63

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 SHELL.

GAUGE POINT: TO TOP OF 10" DIAMETER GAUGE HATCH LOCATED 13'-3" OFF CENTERLINE AND 102'-0" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "DBL 10"

TANK 3 ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-01"

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	1,349.74	0	1,019.18	0	688.63	0	358.07	0	27.72	0		0		0		0		0	
1/4	1,342.85	1/4	1,012.30	1/4	681.74	1/4	351.18	1/4	22.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,335.97	1/2	1,005.41	1/2	674.86	1/2	344.30	1/2	17.48	1/2		1/2		1/2		1/2		1/2	
3/4	1,329.08	3/4	998.53	3/4	667.97	3/4	337.41	3/4	12.35	3/4		3/4		3/4		3/4		3/4	
1	1,322.19	1	991.64	1	661.08	1	330.52	1	7.23	1		1		1		1		1	
1/4	1,315.31	1/4	984.75	1/4	654.19	1/4	323.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,308.42	1/2	977.87	1/2	647.31	1/2	316.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,301.54	3/4	970.98	3/4	640.42	3/4	309.87	3/4		3/4		3/4		3/4		3/4		3/4	
2	1,294.65	2	964.09	2	633.53	2	302.98	2		2		2		2		2		2	
1/4	1,287.76	1/4	957.20	1/4	626.65	1/4	296.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,280.88	1/2	950.32	1/2	619.76	1/2	289.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,273.99	3/4	943.43	3/4	612.88	3/4	282.32	3/4		3/4		3/4		3/4		3/4		3/4	
3	1,267.10	3	936.54	3	605.99	3	275.43	3		3		3		3		3		3	
1/4	1,260.21	1/4	929.66	1/4	599.10	1/4	268.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,253.33	1/2	922.77	1/2	592.22	1/2	261.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,246.44	3/4	915.89	3/4	585.33	3/4	254.77	3/4		3/4		3/4		3/4		3/4		3/4	
4	1,239.55	4	909.00	4	578.44	4	247.88	4		4		4		4		4		4	
1/4	1,232.67	1/4	902.11	1/4	571.55	1/4	241.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,225.78	1/2	895.23	1/2	564.67	1/2	234.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,218.90	3/4	888.34	3/4	557.78	3/4	227.23	3/4		3/4		3/4		3/4		3/4		3/4	
5	1,212.01	5	881.45	5	550.89	5	220.34	5		5		5		5		5		5	
1/4	1,205.12	1/4	874.56	1/4	544.01	1/4	213.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,198.24	1/2	867.68	1/2	537.12	1/2	206.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,191.35	3/4	860.79	3/4	530.24	3/4	199.68	3/4		3/4		3/4		3/4		3/4		3/4	
6	1,184.46	6	853.90	6	523.35	6	192.79	6		6		6		6		6		6	
1/4	1,177.57	1/4	847.02	1/4	516.46	1/4	185.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,170.69	1/2	840.13	1/2	509.58	1/2	179.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,163.80	3/4	833.25	3/4	502.69	3/4	172.13	3/4		3/4		3/4		3/4		3/4		3/4	
7	1,156.91	7	826.36	7	495.80	7	165.24	7		7		7		7		7		7	
1/4	1,150.03	1/4	819.47	1/4	488.91	1/4	158.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,143.14	1/2	812.59	1/2	482.03	1/2	151.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,136.26	3/4	805.70	3/4	475.14	3/4	144.59	3/4		3/4		3/4		3/4		3/4		3/4	
8	1,129.37	8	798.81	8	468.25	8	137.70	8		8		8		8		8		8	
1/4	1,122.48	1/4	791.93	1/4	461.37	1/4	130.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,115.60	1/2	785.04	1/2	454.48	1/2	123.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,108.71	3/4	778.16	3/4	447.60	3/4	117.04	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,101.82	9	771.27	9	440.71	9	110.15	9		9		9		9		9		9	
1/4	1,094.94	1/4	764.38	1/4	433.82	1/4	103.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,088.05	1/2	757.50	1/2	426.94	1/2	96.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,081.17	3/4	750.61	3/4	420.05	3/4	89.50	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,074.28	10	743.72	10	413.16	10	82.61	10		10		10		10		10		10	
1/4	1,067.39	1/4	736.83	1/4	406.28	1/4	75.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,060.51	1/2	729.95	1/2	399.39	1/2	68.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,053.62	3/4	723.06	3/4	392.51	3/4	61.98	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,046.73	11	716.17	11	385.62	11	55.10	11		11		11		11		11		11	
1/4	1,039.84	1/4	709.29	1/4	378.73	1/4	48.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,032.96	1/2	702.40	1/2	371.85	1/2	41.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,026.07	3/4	695.52	3/4	364.96	3/4	34.57	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 5/13/1997 BC
CALCULATED: 5/15/1997 SO
REPRINTED: 01/27/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "DBL 10"

TANK 4 ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 1/4"

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	3,788.10	0	3,457.54	0	3,126.99	0	2,796.43	0	2,465.87	0	2,135.32	0	1,804.76		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,781.21	1/4	3,450.65	1/4	3,120.10	1/4	2,789.54	1/4	2,458.98	1/4	2,128.43	1/4	1,797.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,774.32	1/2	3,443.77	1/2	3,113.21	1/2	2,782.65	1/2	2,452.10	1/2	2,121.54	1/2	1,790.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,767.44	3/4	3,436.88	3/4	3,106.33	3/4	2,775.77	3/4	2,445.21	3/4	2,114.66	3/4	1,784.10		
1		1		1		1	3,430.55	1	3,099.44	1	3,099.44	1	2,768.88	1	2,438.33	1	2,107.77	1	1,777.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,753.66	1/4	3,423.11	1/4	3,092.55	1/4	2,761.99	1/4	2,431.44	1/4	2,100.88	1/4	1,770.32		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,746.78	1/2	3,416.22	1/2	3,085.66	1/2	2,755.11	1/2	2,424.55	1/2	2,093.99	1/2	1,763.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,739.89	3/4	3,409.34	3/4	3,078.78	3/4	2,748.22	3/4	2,417.67	3/4	2,087.11	3/4	1,756.55		
2		2		2		2	3,733.01	2	3,402.45	2	3,071.89	2	2,741.34	2	2,410.78	2	2,080.22	2	1,749.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,726.12	1/4	3,395.56	1/4	3,065.00	1/4	2,734.45	1/4	2,403.89	1/4	2,073.33	1/4	1,742.78		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,719.23	1/2	3,388.67	1/2	3,058.12	1/2	2,727.56	1/2	2,397.00	1/2	2,066.45	1/2	1,735.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,712.35	3/4	3,381.79	3/4	3,051.23	3/4	2,720.68	3/4	2,390.12	3/4	2,059.56	3/4	1,729.01		
3		3		3		3	3,705.46	3	3,374.90	3	3,044.35	3	2,713.79	3	2,383.23	3	2,052.68	3	1,722.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,698.57	1/4	3,368.01	1/4	3,037.46	1/4	2,706.90	1/4	2,376.34	1/4	2,045.79	1/4	1,715.23		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,691.68	1/2	3,361.13	1/2	3,030.57	1/2	2,700.01	1/2	2,369.46	1/2	2,038.90	1/2	1,708.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,684.80	3/4	3,354.24	3/4	3,023.69	3/4	2,693.13	3/4	2,362.57	3/4	2,032.02	3/4	1,701.46		
4		4		4		4	3,677.91	4	3,347.36	4	3,016.80	4	2,686.24	4	2,355.69	4	2,025.13	4	1,694.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,671.02	1/4	3,340.47	1/4	3,009.91	1/4	2,679.35	1/4	2,348.80	1/4	2,018.24	1/4	1,687.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,664.14	1/2	3,333.58	1/2	3,003.02	1/2	2,672.47	1/2	2,341.91	1/2	2,011.35	1/2	1,680.80		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,657.25	3/4	3,326.70	3/4	2,996.14	3/4	2,665.58	3/4	2,335.03	3/4	2,004.47	3/4	1,673.91		
5		5		5		5	3,650.37	5	3,319.81	5	2,989.25	5	2,658.70	5	2,328.14	5	1,997.58	5	1,667.03		
1/4	1/4	1/4	3,939.60	1/4	3,643.48	1/4	3,312.92	1/4	2,982.36	1/4	2,651.81	1/4	2,321.25	1/4	1,990.69	1/4	1,660.14				
1/2	1/2	1/2	3,938.22	1/2	3,636.59	1/2	3,306.03	1/2	2,975.48	1/2	2,644.92	1/2	2,314.36	1/2	1,983.81	1/2	1,653.25				
3/4	3/4	3/4	3,936.85	3/4	3,629.71	3/4	3,299.15	3/4	2,968.59	3/4	2,638.04	3/4	2,307.48	3/4	1,976.92	3/4	1,646.37				
6		6	3,935.47	6	3,622.82	6	3,292.26	6	2,961.71	6	2,631.15	6	2,300.59	6	1,970.04	6	1,639.48				
1/4	1/4	1/4	3,934.09	1/4	3,615.93	1/4	3,285.37	1/4	2,954.82	1/4	2,624.26	1/4	2,293.70	1/4	1,963.15	1/4	1,632.59				
1/2	1/2	1/2	3,929.96	1/2	3,609.04	1/2	3,278.49	1/2	2,947.93	1/2	2,617.37	1/2	2,286.82	1/2	1,956.26	1/2	1,625.70				
3/4	3/4	3/4	3,925.83	3/4	3,602.16	3/4	3,271.60	3/4	2,941.05	3/4	2,610.49	3/4	2,279.93	3/4	1,949.38	3/4	1,618.82				
7		7	3,921.69	7	3,595.27	7	3,264.72	7	2,934.16	7	2,603.60	7	2,273.05	7	1,942.49	7	1,611.93				
1/4	1/4	1/4	3,917.56	1/4	3,588.38	1/4	3,257.83	1/4	2,927.27	1/4	2,596.71	1/4	2,266.16	1/4	1,935.60	1/4	1,605.04				
1/2	1/2	1/2	3,911.02	1/2	3,581.50	1/2	3,250.94	1/2	2,920.38	1/2	2,589.83	1/2	2,259.27	1/2	1,928.71	1/2	1,598.16				
3/4	3/4	3/4	3,904.48	3/4	3,574.61	3/4	3,244.06	3/4	2,913.50	3/4	2,582.94	3/4	2,252.39	3/4	1,921.83	3/4	1,591.27				
8		8	3,897.94	8	3,567.73	8	3,237.17	8	2,906.61	8	2,576.06	8	2,245.50	8	1,914.94	8	1,584.39				
1/4	1/4	1/4	3,891.40	1/4	3,560.84	1/4	3,230.28	1/4	2,899.72	1/4	2,569.17	1/4	2,238.61	1/4	1,908.05	1/4	1,577.50				
1/2	1/2	1/2	3,884.51	1/2	3,553.95	1/2	3,223.40	1/2	2,892.84	1/2	2,562.28	1/2	2,231.72	1/2	1,901.17	1/2	1,570.61				
3/4	3/4	3/4	3,877.63	3/4	3,547.07	3/4	3,216.51	3/4	2,885.95	3/4	2,555.40	3/4	2,224.84	3/4	1,894.28	3/4	1,563.73				
9		9	3,870.74	9	3,540.18	9	3,209.63	9	2,879.07	9	2,548.51	9	2,217.95	9	1,887.40	9	1,556.84				
1/4	1/4	1/4	3,863.85	1/4	3,533.29	1/4	3,202.74	1/4	2,872.18	1/4	2,541.62	1/4	2,211.06	1/4	1,880.51	1/4	1,549.95				
1/2	1/2	1/2	3,856.96	1/2	3,526.41	1/2	3,195.85	1/2	2,865.29	1/2	2,534.74	1/2	2,204.18	1/2	1,873.62	1/2	1,543.06				
3/4	3/4	3/4	3,850.08	3/4	3,519.52	3/4	3,188.97	3/4	2,858.41	3/4	2,527.85	3/4	2,197.29	3/4	1,866.74	3/4	1,536.18				
10		10	3,843.19	10	3,512.64	10	3,182.08	10	2,851.52	10	2,520.97	10	2,190.41	10	1,859.85	10	1,529.29				
1/4	1/4	1/4	3,836.30	1/4	3,505.75	1/4	3,175.19	1/4	2,844.63	1/4	2,514.08	1/4	2,183.52	1/4	1,852.96	1/4	1,522.40				
1/2	1/2	1/2	3,829.42	1/2	3,498.86	1/2	3,168.30	1/2	2,837.75	1/2	2,507.19	1/2	2,176.63	1/2	1,846.08	1/2	1,515.52				
3/4	3/4	3/4	3,822.53	3/4	3,491.98	3/4	3,161.42	3/4	2,830.86	3/4	2,500.31	3/4	2,169.75	3/4	1,839.19	3/4	1,508.63				
11		11	3,815.65	11	3,485.09	11	3,154.53	11	2,823.98	11	2,493.42	11	2,162.86	11	1,832.31	11	1,501.75				
1/4	1/4	1/4	3,808.76	1/4	3,478.20	1/4	3,147.64	1/4	2,817.09	1/4	2,486.53	1/4	2,155.97	1/4	1,825.42	1/4	1,494.86				
1/2	1/2	1/2	3,801.87	1/2	3,471.31	1/2	3,140.76	1/2	2,810.20	1/2	2,479.64	1/2	2,149.09	1/2	1,818.53	1/2	1,487.97				
3/4	3/4	3/4	3,794.99	3/4	3,464.43	3/4	3,133.87	3/4	2,803.32	3/4	2,472.76	3/4	2,142.20	3/4	1,811.65	3/4	1,481.09				

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 SHELL.

GAUGE POINT: TO TOP OF 10" DIAMETER GAUGE HATCH LOCATED ON CENTERLINE AND 52'-0" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "DBL 10"

TANK 4 ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 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	1,474.20	0	1,143.65	0	813.09	0	482.53	0	151.97	0		0		0		0		0	
1/4	1,467.31	1/4	1,136.76	1/4	806.20	1/4	475.64	1/4	145.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,460.43	1/2	1,129.87	1/2	799.31	1/2	468.76	1/2	138.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,453.54	3/4	1,122.99	3/4	792.43	3/4	461.87	3/4	131.31	3/4		3/4		3/4		3/4		3/4	
1	1,446.66	1	1,116.10	1	785.54	1	454.99	1	124.43	1		1		1		1		1	
1/4	1,439.77	1/4	1,109.21	1/4	778.65	1/4	448.10	1/4	117.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,432.88	1/2	1,102.32	1/2	771.77	1/2	441.21	1/2	110.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,426.00	3/4	1,095.44	3/4	764.88	3/4	434.33	3/4	103.77	3/4		3/4		3/4		3/4		3/4	
2	1,419.11	2	1,088.55	2	758.00	2	427.44	2	96.88	2		2		2		2		2	
1/4	1,412.22	1/4	1,081.66	1/4	751.11	1/4	420.55	1/4	89.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,405.33	1/2	1,074.78	1/2	744.22	1/2	413.66	1/2	83.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,398.45	3/4	1,067.89	3/4	737.34	3/4	406.78	3/4	76.22	3/4		3/4		3/4		3/4		3/4	
3	1,391.56	3	1,061.01	3	730.45	3	399.89	3	69.34	3		3		3		3		3	
1/4	1,384.67	1/4	1,054.12	1/4	723.56	1/4	393.00	1/4	62.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,377.79	1/2	1,047.23	1/2	716.67	1/2	386.12	1/2	55.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,370.90	3/4	1,040.35	3/4	709.79	3/4	379.23	3/4	48.68	3/4		3/4		3/4		3/4		3/4	
4	1,364.02	4	1,033.46	4	702.90	4	372.35	4	41.79	4		4		4		4		4	
1/4	1,357.13	1/4	1,026.57	1/4	696.01	1/4	365.46	1/4	34.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,350.24	1/2	1,019.68	1/2	689.13	1/2	358.57	1/2	28.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,343.36	3/4	1,012.80	3/4	682.24	3/4	351.69	3/4	22.28	3/4		3/4		3/4		3/4		3/4	
5	1,336.47	5	1,005.91	5	675.36	5	344.80	5	15.96	5		5		5		5		5	
1/4	1,329.58	1/4	999.02	1/4	668.47	1/4	337.91	1/4	9.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,322.69	1/2	992.14	1/2	661.58	1/2	331.02	1/2	7.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,315.81	3/4	985.25	3/4	654.70	3/4	324.14	3/4	5.06	3/4		3/4		3/4		3/4		3/4	
6	1,308.92	6	978.37	6	647.81	6	317.25	6	2.77	6		6		6		6		6	
1/4	1,302.03	1/4	971.48	1/4	640.92	1/4	310.36	1/4	0.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,295.15	1/2	964.59	1/2	634.03	1/2	303.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,288.26	3/4	957.71	3/4	627.15	3/4	296.59	3/4		3/4		3/4		3/4		3/4		3/4	
7	1,281.38	7	950.82	7	620.26	7	289.71	7		7		7		7		7		7	
1/4	1,274.49	1/4	943.93	1/4	613.37	1/4	282.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,267.60	1/2	937.04	1/2	606.49	1/2	275.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,260.72	3/4	930.16	3/4	599.60	3/4	269.05	3/4		3/4		3/4		3/4		3/4		3/4	
8	1,253.83	8	923.27	8	592.72	8	262.16	8		8		8		8		8		8	
1/4	1,246.94	1/4	916.38	1/4	585.83	1/4	255.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,240.05	1/2	909.50	1/2	578.94	1/2	248.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,233.17	3/4	902.61	3/4	572.06	3/4	241.50	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,226.28	9	895.73	9	565.17	9	234.61	9		9		9		9		9		9	
1/4	1,219.39	1/4	888.84	1/4	558.28	1/4	227.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,212.51	1/2	881.95	1/2	551.39	1/2	220.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,205.62	3/4	875.07	3/4	544.51	3/4	213.95	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,198.74	10	868.18	10	537.62	10	207.07	10		10		10		10		10		10	
1/4	1,191.85	1/4	861.29	1/4	530.73	1/4	200.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,184.96	1/2	854.40	1/2	523.85	1/2	193.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,178.08	3/4	847.52	3/4	516.96	3/4	186.41	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,171.19	11	840.63	11	510.08	11	179.52	11		11		11		11		11		11	
1/4	1,164.30	1/4	833.74	1/4	503.19	1/4	172.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,157.42	1/2	826.86	1/2	496.30	1/2	165.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,150.53	3/4	819.97	3/4	489.42	3/4	158.86	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 5/13/1997 BC
CALCULATED: 5/15/1997 SO
REPRINTED: 01/27/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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