



# BARGE: DBL 133

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 CENTER	-00-1/4	00-1/4	-00-1/2	00-1/2	-00-3/4	00-3/4	-00-7/8	00-7/8	-01-1/8	01-1/8	-01-3/8	01-3/8
2 CENTER	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/4	-00-1/4	00-3/8	-00-3/8	00-1/2	-00-1/2	00-1/2	-00-1/2
3 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	-00-5/8	00-5/8	-00-3/4	00-3/4

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

LENGTH BETWEEN DRAFT MARKS: 163'-09"

February 13, 2019



# BARGE "DBL 133"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	0	0	0	0	0	0	0	0	0
1/4	3,482.86	3,286.37	3,281.88	3,070.94	2,855.51	2,640.39	2,394.58	2,142.91	1,891.39	1,640.28
1/2	3,481.99	3,281.88	3,277.39	3,066.45	2,851.02	2,635.94	2,389.34	2,137.67	1,886.16	1,635.04
3/4	3,481.11	3,277.39	3,272.90	3,061.96	2,846.53	2,631.48	2,384.10	2,132.43	1,880.90	1,629.80
1	3,477.61	3,268.41	3,263.92	3,052.99	2,837.56	2,622.57	2,375.18	2,122.51	1,870.98	1,624.56
1/4	3,474.98	3,265.93	3,261.44	3,044.01	2,828.58	2,613.67	2,366.37	2,114.70	1,863.25	1,614.09
1/2	3,472.36	3,261.44	3,256.95	3,039.52	2,824.09	2,609.21	2,361.91	2,110.45	1,860.03	1,608.85
3/4	3,469.73	3,256.95	3,252.46	3,035.03	2,819.60	2,604.77	2,357.89	2,106.21	1,854.80	1,603.61
2	3,465.35	3,250.46	3,245.97	3,030.55	2,815.12	2,598.77	2,352.64	2,100.97	1,849.58	1,598.37
1/4	3,460.97	3,245.97	3,241.48	3,026.06	2,810.63	2,593.52	2,347.40	2,095.48	1,844.35	1,593.13
1/2	3,456.59	3,241.48	3,236.99	3,021.57	2,806.14	2,588.32	2,342.16	2,090.24	1,839.12	1,587.90
3/4	3,452.21	3,236.99	3,232.50	3,017.08	2,801.65	2,583.10	2,336.91	2,085.24	1,833.90	1,582.65
3	3,447.77	3,232.50	3,228.02	3,012.59	2,797.16	2,577.88	2,331.67	2,079.99	1,828.67	1,577.42
1/4	3,443.33	3,228.02	3,223.53	3,008.10	2,792.68	2,572.65	2,326.43	2,074.75	1,823.44	1,572.18
1/2	3,438.88	3,223.53	3,219.05	3,003.62	2,788.19	2,567.43	2,321.18	2,069.51	1,818.22	1,566.95
3/4	3,434.44	3,219.05	3,214.56	3,000.00	2,783.70	2,562.19	2,315.94	2,064.26	1,812.99	1,561.71
4	3,429.97	3,214.56	3,210.07	2,999.13	2,779.21	2,556.95	2,310.70	2,059.02	1,807.76	1,556.47
1/4	3,425.49	3,210.07	3,205.58	2,994.64	2,774.72	2,551.72	2,305.46	2,053.78	1,802.54	1,551.23
1/2	3,421.02	3,205.58	3,201.09	2,990.15	2,770.24	2,546.48	2,300.21	2,048.53	1,797.31	1,545.99
3/4	3,416.54	3,201.09	3,196.60	2,985.66	2,765.75	2,541.24	2,294.97	2,043.29	1,792.08	1,540.76
5	3,412.05	3,196.60	3,192.12	2,981.18	2,761.26	2,536.00	2,289.73	2,038.05	1,786.86	1,535.52
1/4	3,407.55	3,192.12	3,187.63	2,976.69	2,756.77	2,530.76	2,284.48	2,032.80	1,781.63	1,530.28
1/2	3,403.06	3,187.63	3,183.14	2,972.20	2,752.28	2,525.52	2,279.24	2,027.56	1,776.41	1,525.04
3/4	3,398.57	3,183.14	3,178.65	2,967.71	2,747.79	2,520.29	2,274.00	2,022.32	1,771.18	1,519.80
6	3,394.08	3,178.65	3,174.16	2,963.22	2,743.31	2,515.05	2,268.75	2,017.07	1,765.95	1,514.56
1/4	3,389.59	3,174.16	3,169.68	2,958.74	2,738.82	2,509.81	2,263.51	2,011.83	1,760.73	1,509.32
1/2	3,385.10	3,169.68	3,165.19	2,954.25	2,734.33	2,504.57	2,258.27	2,006.59	1,755.50	1,504.08
3/4	3,380.62	3,165.19	3,160.70	2,949.76	2,729.84	2,499.34	2,253.02	2,001.34	1,750.27	1,498.84
7	3,376.13	3,160.70	3,156.21	2,945.27	2,725.35	2,494.10	2,247.78	1,996.10	1,745.05	1,493.59
1/4	3,371.64	3,156.21	3,151.72	2,940.78	2,720.87	2,488.86	2,242.54	1,990.86	1,739.82	1,488.35
1/2	3,367.15	3,151.72	3,147.24	2,936.29	2,716.38	2,483.62	2,237.29	1,985.61	1,734.59	1,483.11
3/4	3,362.66	3,147.24	3,142.75	2,931.81	2,711.89	2,478.38	2,232.05	1,980.37	1,729.37	1,477.87
8	3,358.18	3,142.75	3,138.26	2,927.32	2,707.40	2,473.15	2,226.81	1,975.13	1,724.13	1,472.63
1/4	3,353.69	3,138.26	3,133.77	2,922.83	2,702.91	2,467.91	2,221.56	1,969.88	1,718.89	1,467.38
1/2	3,349.20	3,133.77	3,129.28	2,918.34	2,698.43	2,462.67	2,216.32	1,964.64	1,713.65	1,462.14
3/4	3,344.71	3,129.28	3,124.80	2,913.85	2,693.94	2,457.43	2,211.08	1,959.40	1,708.40	1,456.90
9	3,340.22	3,124.80	3,120.31	2,909.37	2,689.45	2,452.19	2,205.83	1,954.15	1,703.16	1,451.66
1/4	3,335.74	3,120.31	3,115.82	2,904.88	2,684.96	2,446.96	2,199.59	1,948.91	1,697.92	1,446.42
1/2	3,331.25	3,115.82	3,111.33	2,900.39	2,680.47	2,441.72	2,194.35	1,943.67	1,692.68	1,441.18
3/4	3,326.76	3,111.33	3,106.84	2,895.90	2,675.98	2,436.48	2,189.10	1,938.42	1,687.44	1,435.93
10	3,322.27	3,106.84	3,102.35	2,891.41	2,671.49	2,431.24	2,183.86	1,933.18	1,682.20	1,430.69
1/4	3,317.78	3,102.35	3,097.86	2,886.93	2,667.00	2,425.99	2,178.59	1,927.97	1,676.96	1,425.45
1/2	3,313.30	3,097.86	3,093.37	2,882.44	2,662.51	2,420.75	2,173.32	1,922.74	1,671.72	1,420.21
3/4	3,308.81	3,093.37	3,088.89	2,877.95	2,658.02	2,415.53	2,168.04	1,917.52	1,666.48	1,414.97
11	3,304.32	3,088.89	3,084.40	2,873.46	2,653.53	2,410.29	2,162.78	1,912.29	1,661.24	1,409.72
1/4	3,299.83	3,084.40	3,079.91	2,868.97	2,649.04	2,405.05	2,157.51	1,907.07	1,655.99	1,404.48
1/2	3,295.34	3,079.91	3,075.43	2,864.49	2,644.55	2,400.31	2,152.24	1,901.84	1,650.75	1,399.24
3/4	3,290.85	3,075.43	3,070.94	2,859.99	2,640.06	2,395.07	2,147.97	1,896.61	1,645.51	1,394.00

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27.  
 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 TO TOP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "DBL 133"

1 CENTER  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	1,388.76	0	1,137.15	0	885.53	0	639.42	0	387.60	0	135.23	0	0	0	0	0	0	0	0
1/4	1,383.51	1/4	1,131.90	1/4	880.29	1/4	634.32	1/4	382.34	1/4	129.98	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,378.27	1/2	1,126.66	1/2	875.05	1/2	629.21	1/2	377.08	1/2	124.72	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,373.03	3/4	1,121.42	3/4	869.81	3/4	624.11	3/4	371.82	3/4	119.46	3/4	0	3/4	0	3/4	0	3/4	0
1	1,367.79	1	1,116.18	1	864.57	1	618.86	1	366.57	1	114.20	1	0	1	0	1	0	1	0
1/4	1,362.55	1/4	1,110.94	1/4	859.32	1/4	613.62	1/4	361.31	1/4	108.95	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,357.31	1/2	1,105.69	1/2	854.08	1/2	608.37	1/2	356.05	1/2	103.69	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,352.06	3/4	1,100.45	3/4	848.84	3/4	603.12	3/4	350.79	3/4	98.43	3/4	0	3/4	0	3/4	0	3/4	0
2	1,346.82	2	1,095.21	2	843.60	2	597.87	2	345.54	2	93.18	2	0	2	0	2	0	2	0
1/4	1,341.58	1/4	1,089.97	1/4	838.36	1/4	592.62	1/4	340.28	1/4	87.92	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,336.34	1/2	1,084.73	1/2	833.12	1/2	587.37	1/2	335.02	1/2	82.66	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,331.10	3/4	1,079.48	3/4	827.87	3/4	582.12	3/4	329.76	3/4	77.41	3/4	0	3/4	0	3/4	0	3/4	0
3	1,325.85	3	1,074.24	3	822.76	3	576.87	3	324.51	3	72.16	3	0	3	0	3	0	3	0
1/4	1,320.61	1/4	1,069.00	1/4	817.65	1/4	571.61	1/4	319.25	1/4	66.92	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,315.37	1/2	1,063.76	1/2	812.54	1/2	566.35	1/2	313.99	1/2	61.68	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,310.13	3/4	1,058.52	3/4	807.42	3/4	561.09	3/4	308.73	3/4	56.43	3/4	0	3/4	0	3/4	0	3/4	0
4	1,304.89	4	1,053.27	4	802.31	4	555.84	4	303.48	4	51.22	4	0	4	0	4	0	4	0
1/4	1,299.64	1/4	1,048.03	1/4	797.21	1/4	550.58	1/4	298.22	1/4	46.01	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,294.40	1/2	1,042.79	1/2	792.10	1/2	545.32	1/2	292.96	1/2	40.79	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,289.16	3/4	1,037.55	3/4	786.99	3/4	540.06	3/4	287.70	3/4	35.58	3/4	0	3/4	0	3/4	0	3/4	0
5	1,283.92	5	1,032.31	5	781.90	5	534.81	5	282.45	5	31.20	5	0	5	0	5	0	5	0
1/4	1,278.68	1/4	1,027.07	1/4	776.81	1/4	529.55	1/4	277.19	1/4	26.82	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,273.43	1/2	1,021.82	1/2	771.73	1/2	524.29	1/2	271.93	1/2	22.45	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,268.19	3/4	1,016.58	3/4	766.64	3/4	519.03	3/4	266.67	3/4	18.07	3/4	0	3/4	0	3/4	0	3/4	0
6	1,262.95	6	1,011.34	6	761.56	6	513.78	6	261.42	6	15.44	6	0	6	0	6	0	6	0
1/4	1,257.71	1/4	1,006.10	1/4	756.47	1/4	508.52	1/4	256.16	1/4	12.81	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,252.47	1/2	1,000.86	1/2	751.38	1/2	503.26	1/2	250.90	1/2	10.18	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,247.23	3/4	995.61	3/4	746.30	3/4	498.00	3/4	245.64	3/4	7.56	3/4	0	3/4	0	3/4	0	3/4	0
7	1,241.98	7	990.37	7	741.21	7	492.75	7	240.39	7	6.68	7	0	7	0	7	0	7	0
1/4	1,236.74	1/4	985.13	1/4	736.12	1/4	487.49	1/4	235.13	1/4	5.80	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,231.50	1/2	979.89	1/2	731.04	1/2	482.23	1/2	229.87	1/2	4.93	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,226.26	3/4	974.65	3/4	725.95	3/4	476.97	3/4	224.61	3/4	4.06	3/4	0	3/4	0	3/4	0	3/4	0
8	1,221.02	8	969.40	8	720.86	8	471.72	8	219.36	8	3.20	8	0	8	0	8	0	8	0
1/4	1,215.77	1/4	964.16	1/4	715.78	1/4	466.46	1/4	214.10	1/4	2.34	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,210.53	1/2	958.92	1/2	710.69	1/2	461.20	1/2	208.84	1/2	1.48	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,205.29	3/4	953.68	3/4	705.60	3/4	455.94	3/4	203.58	3/4	0.62	3/4	0	3/4	0	3/4	0	3/4	0
9	1,200.05	9	948.44	9	700.52	9	450.69	9	198.32	9	0	9	0	9	0	9	0	9	0
1/4	1,194.81	1/4	943.19	1/4	695.43	1/4	445.43	1/4	193.07	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,189.56	1/2	937.95	1/2	690.34	1/2	440.17	1/2	187.81	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,184.32	3/4	932.71	3/4	685.26	3/4	434.91	3/4	182.55	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
10	1,179.08	10	927.47	10	680.17	10	429.66	10	177.29	10	0	10	0	10	0	10	0	10	0
1/4	1,173.84	1/4	922.23	1/4	675.08	1/4	424.40	1/4	172.04	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,168.60	1/2	916.99	1/2	670.00	1/2	419.14	1/2	166.78	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,163.35	3/4	911.74	3/4	664.91	3/4	413.88	3/4	161.52	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
11	1,158.11	11	906.50	11	659.81	11	408.63	11	156.26	11	0	11	0	11	0	11	0	11	0
1/4	1,152.87	1/4	901.26	1/4	654.72	1/4	403.37	1/4	151.01	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,147.63	1/2	896.02	1/2	649.62	1/2	398.11	1/2	145.75	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,142.39	3/4	890.78	3/4	644.52	3/4	392.85	3/4	140.49	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0

GAUGE HEIGHT 15'-07 3/4"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/13/2019 SW JS  
CALCULATED: 02/14/2019 CL  
PRINTED: 02/15/2019 SW  
CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/20/19

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



# BARGE "DBL 133"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	0	0	0	0	0	0	0	0	0
1/4	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	1/2
3/4	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
1/4	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	1/2
3/4	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	2
1/4	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	1/2
3/4	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	3
1/4	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	1/2
3/4	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	4
1/4	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	1/2
3/4	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	5
1/4	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	1/2
3/4	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	6
1/4	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	1/2
3/4	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	7
1/4	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	1/2
3/4	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	8
1/4	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	1/2
3/4	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	9
1/4	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	1/2
3/4	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	10
1/4	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	1/2
3/4	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	11
1/4	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	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12
1/4	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	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
13	13	13	13	13	13	13	13	13	13	13
1/4	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	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMs CHAPTER 27.  
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 TO TOP OF 2" HERMETIC VALVE.  
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
http://www.pma.com



# BARGE "DBL 133"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,526.44	0	1,251.90	0	977.36	0	708.65	0	435.13	0	160.59	0		0		0		0	
1/4	1,520.72	1/4	1,246.18	1/4	971.64	1/4	703.10	1/4	429.41	1/4	154.88	1/4		1/4		1/4		1/4	
1/2	1,515.00	1/2	1,240.46	1/2	965.92	1/2	697.55	1/2	423.69	1/2	149.16	1/2		1/2		1/2		1/2	
3/4	1,509.28	3/4	1,234.74	3/4	960.20	3/4	692.00	3/4	417.97	3/4	143.44	3/4		3/4		3/4		3/4	
1	1,503.56	1	1,229.02	1	954.48	1	686.45	1	412.25	1	137.72	1		1		1		1	
1/4	1,497.84	1/4	1,223.30	1/4	948.76	1/4	680.89	1/4	406.53	1/4	132.00	1/4		1/4		1/4		1/4	
1/2	1,492.12	1/2	1,217.58	1/2	943.04	1/2	675.34	1/2	400.81	1/2	126.28	1/2		1/2		1/2		1/2	
3/4	1,486.41	3/4	1,211.86	3/4	937.32	3/4	669.62	3/4	395.09	3/4	120.56	3/4		3/4		3/4		3/4	
2	1,480.69	2	1,206.14	2	931.60	2	663.90	2	389.37	2	114.84	2		2		2		2	
1/4	1,474.97	1/4	1,200.43	1/4	925.88	1/4	658.18	1/4	383.65	1/4	109.12	1/4		1/4		1/4		1/4	
1/2	1,469.25	1/2	1,194.71	1/2	920.16	1/2	652.46	1/2	377.93	1/2	103.40	1/2		1/2		1/2		1/2	
3/4	1,463.53	3/4	1,188.99	3/4	914.45	3/4	646.74	3/4	372.21	3/4	97.68	3/4		3/4		3/4		3/4	
3	1,457.81	3	1,183.27	3	908.73	3	641.02	3	366.49	3	91.97	3		3		3		3	
1/4	1,452.09	1/4	1,177.55	1/4	903.01	1/4	635.30	1/4	360.77	1/4	86.25	1/4		1/4		1/4		1/4	
1/2	1,446.37	1/2	1,171.83	1/2	897.29	1/2	629.59	1/2	355.05	1/2	80.53	1/2		1/2		1/2		1/2	
3/4	1,440.65	3/4	1,166.11	3/4	891.57	3/4	623.87	3/4	349.33	3/4	74.82	3/4		3/4		3/4		3/4	
4	1,434.93	4	1,160.39	4	885.85	4	618.15	4	343.62	4	69.12	4		4		4		4	
1/4	1,429.21	1/4	1,154.67	1/4	880.13	1/4	612.43	1/4	337.90	1/4	63.41	1/4		1/4		1/4		1/4	
1/2	1,423.49	1/2	1,148.95	1/2	874.41	1/2	606.71	1/2	332.18	1/2	57.71	1/2		1/2		1/2		1/2	
3/4	1,417.77	3/4	1,143.23	3/4	868.69	3/4	600.99	3/4	326.46	3/4	52.04	3/4		3/4		3/4		3/4	
5	1,412.05	5	1,137.51	5	863.98	5	595.27	5	320.74	5	46.37	5		5		5		5	
1/4	1,406.33	1/4	1,131.79	1/4	858.26	1/4	589.55	1/4	315.02	1/4	40.70	1/4		1/4		1/4		1/4	
1/2	1,400.61	1/2	1,126.07	1/2	852.54	1/2	583.83	1/2	309.30	1/2	35.03	1/2		1/2		1/2		1/2	
3/4	1,394.89	3/4	1,120.35	3/4	846.82	3/4	578.11	3/4	303.58	3/4	30.27	3/4		3/4		3/4		3/4	
6	1,389.17	6	1,114.63	6	841.10	6	572.39	6	297.86	6	25.50	6		6		6		6	
1/4	1,383.45	1/4	1,108.91	1/4	835.38	1/4	566.67	1/4	292.14	1/4	20.74	1/4		1/4		1/4		1/4	
1/2	1,377.73	1/2	1,103.19	1/2	829.66	1/2	560.95	1/2	286.42	1/2	15.97	1/2		1/2		1/2		1/2	
3/4	1,372.01	3/4	1,097.47	3/4	823.95	3/4	555.23	3/4	280.70	3/4	13.12	3/4		3/4		3/4		3/4	
7	1,366.29	7	1,091.75	7	819.60	7	549.51	7	274.98	7	10.25	7		7		7		7	
1/4	1,360.57	1/4	1,086.03	1/4	814.05	1/4	543.79	1/4	269.26	1/4	7.40	1/4		1/4		1/4		1/4	
1/2	1,354.85	1/2	1,080.31	1/2	808.50	1/2	538.07	1/2	263.54	1/2	4.54	1/2		1/2		1/2		1/2	
3/4	1,349.13	3/4	1,074.59	3/4	802.96	3/4	532.36	3/4	257.82	3/4	3.59	3/4		3/4		3/4		3/4	
8	1,343.42	8	1,068.87	8	797.41	8	526.64	8	252.10	8	2.64	8		8		8		8	
1/4	1,337.70	1/4	1,063.15	1/4	791.86	1/4	520.92	1/4	246.39	1/4	1.68	1/4		1/4		1/4		1/4	
1/2	1,331.98	1/2	1,057.44	1/2	786.31	1/2	515.20	1/2	240.67	1/2	0.73	1/2		1/2		1/2		1/2	
3/4	1,326.26	3/4	1,051.72	3/4	780.77	3/4	509.48	3/4	234.95	3/4		3/4		3/4		3/4		3/4	
9	1,320.54	9	1,046.00	9	775.22	9	503.76	9	229.23	9		9		9		9		9	
1/4	1,314.82	1/4	1,040.28	1/4	769.67	1/4	498.04	1/4	223.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,309.10	1/2	1,034.56	1/2	764.12	1/2	492.32	1/2	217.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,303.38	3/4	1,028.84	3/4	758.57	3/4	486.60	3/4	212.07	3/4		3/4		3/4		3/4		3/4	
10	1,297.66	10	1,023.12	10	753.03	10	480.88	10	206.35	10		10		10		10		10	
1/4	1,291.94	1/4	1,017.40	1/4	747.48	1/4	475.16	1/4	200.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,286.22	1/2	1,011.68	1/2	741.93	1/2	469.44	1/2	194.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,280.50	3/4	1,005.96	3/4	736.38	3/4	463.72	3/4	189.19	3/4		3/4		3/4		3/4		3/4	
11	1,274.78	11	1,000.24	11	730.84	11	458.00	11	183.47	11		11		11		11		11	
1/4	1,269.06	1/4	994.52	1/4	725.29	1/4	452.28	1/4	177.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,263.34	1/2	988.80	1/2	719.74	1/2	446.56	1/2	172.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,257.62	3/4	983.08	3/4	714.19	3/4	440.85	3/4	166.31	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/13/2019 SW JS  
 CALCULATED: 02/14/2019 CL  
 PRINTED: 02/15/2019 SW  
 ALL PRIOR TO 02/2019

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
 http://www.pma.com.net



# BARGE "DBL 133"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	3,482.43	3,271.28	3,029.71	2,788.13	2,546.56	2,304.98	2,063.41	1,821.84	1,580.26	
1/4	3,481.59	3,266.25	3,024.67	2,783.10	2,541.53	2,299.95	2,058.38	1,816.80	1,575.23	
1/2	3,480.76	3,261.22	3,019.64	2,778.07	2,536.49	2,294.92	2,053.34	1,811.77	1,570.20	
3/4	3,479.92	3,256.18	3,014.61	2,772.93	2,531.46	2,289.89	2,048.31	1,806.74	1,565.16	
1	3,479.08	3,251.15	3,009.58	2,767.80	2,526.43	2,284.85	2,043.28	1,801.70	1,560.13	
1/4	3,478.25	3,246.12	3,004.54	2,762.67	2,521.39	2,279.82	2,038.25	1,796.67	1,555.10	
1/2	3,477.40	3,241.09	3,000.00	2,757.94	2,516.36	2,274.79	2,033.21	1,791.64	1,550.06	
3/4	3,476.55	3,236.05	2,996.00	2,753.20	2,511.33	2,269.75	2,028.18	1,786.61	1,545.03	
2	3,469.02	3,231.02	2,991.45	2,748.41	2,506.30	2,264.66	2,023.15	1,781.57	1,540.00	
1/4	3,468.17	3,225.99	2,986.41	2,743.87	2,501.26	2,259.62	2,018.11	1,776.54	1,534.97	
1/2	3,467.32	3,220.95	2,981.86	2,739.38	2,496.23	2,254.56	2,013.08	1,771.51	1,529.93	
3/4	3,466.47	3,215.92	2,977.35	2,734.77	2,491.20	2,249.52	2,008.05	1,766.47	1,524.90	
3	3,458.94	3,210.89	2,972.81	2,729.97	2,486.17	2,244.59	2,003.02	1,761.44	1,519.87	
1/4	3,458.09	3,205.86	2,968.28	2,725.21	2,481.13	2,239.56	1,997.98	1,756.41	1,514.83	
1/2	3,457.24	3,200.82	2,963.75	2,720.44	2,476.10	2,234.53	1,992.95	1,751.38	1,509.80	
3/4	3,456.39	3,195.79	2,959.22	2,715.64	2,471.07	2,229.49	1,987.92	1,746.34	1,504.77	
4	3,448.86	3,190.76	2,954.69	2,710.81	2,466.03	2,224.46	1,982.89	1,741.31	1,499.74	
1/4	3,447.99	3,185.72	2,950.16	2,706.05	2,461.00	2,219.43	1,977.85	1,736.28	1,494.70	
1/2	3,447.12	3,180.69	2,945.63	2,701.28	2,455.97	2,214.39	1,972.82	1,731.25	1,489.67	
3/4	3,446.25	3,175.66	2,941.10	2,696.51	2,450.94	2,209.36	1,967.79	1,726.21	1,484.64	
5	3,438.72	3,170.63	2,936.57	2,691.74	2,445.90	2,204.33	1,962.75	1,721.18	1,479.61	
1/4	3,437.85	3,165.59	2,932.04	2,687.00	2,440.87	2,199.30	1,957.72	1,716.15	1,474.57	
1/2	3,436.98	3,160.56	2,927.51	2,682.24	2,435.84	2,194.26	1,952.69	1,711.11	1,469.54	
3/4	3,436.11	3,155.53	2,922.98	2,677.41	2,430.80	2,189.23	1,947.66	1,706.08	1,464.51	
6	3,428.58	3,150.49	2,918.45	2,672.65	2,425.77	2,184.20	1,942.62	1,701.05	1,459.47	
1/4	3,427.71	3,145.46	2,913.92	2,667.88	2,420.74	2,179.16	1,937.59	1,696.02	1,454.44	
1/2	3,426.84	3,140.43	2,909.39	2,663.12	2,415.71	2,174.13	1,932.56	1,690.98	1,449.41	
3/4	3,425.97	3,135.40	2,904.86	2,658.35	2,410.67	2,169.10	1,927.52	1,685.95	1,444.38	
7	3,418.44	3,130.36	2,900.33	2,653.59	2,405.64	2,164.07	1,922.49	1,680.92	1,439.34	
1/4	3,417.57	3,125.33	2,895.80	2,648.82	2,400.61	2,159.03	1,917.46	1,675.88	1,434.31	
1/2	3,416.70	3,120.30	2,891.27	2,644.06	2,395.57	2,154.00	1,912.43	1,670.85	1,429.28	
3/4	3,415.83	3,115.27	2,886.74	2,639.29	2,390.54	2,148.97	1,907.39	1,665.82	1,424.24	
8	3,408.30	3,110.23	2,882.21	2,634.53	2,385.51	2,143.93	1,902.36	1,660.79	1,419.21	
1/4	3,407.43	3,105.20	2,877.68	2,629.76	2,380.48	2,138.90	1,897.33	1,655.75	1,414.18	
1/2	3,406.56	3,100.17	2,873.15	2,625.00	2,375.44	2,133.87	1,892.29	1,650.72	1,409.15	
3/4	3,405.69	3,095.13	2,868.62	2,620.24	2,370.41	2,128.84	1,887.26	1,645.69	1,404.11	
9	3,398.16	3,090.10	2,864.09	2,615.48	2,365.38	2,123.80	1,882.23	1,640.65	1,399.08	
1/4	3,397.29	3,085.07	2,859.56	2,610.72	2,360.35	2,118.77	1,877.20	1,635.62	1,394.05	
1/2	3,396.42	3,080.04	2,855.03	2,605.96	2,355.32	2,113.74	1,872.16	1,630.59	1,389.01	
3/4	3,395.55	3,075.00	2,850.50	2,601.20	2,350.28	2,108.71	1,867.13	1,625.56	1,383.98	
10	3,388.02	3,070.00	2,845.97	2,596.44	2,345.25	2,103.67	1,862.10	1,620.52	1,378.95	
1/4	3,387.15	3,064.94	2,841.44	2,591.68	2,340.21	2,098.64	1,857.07	1,615.49	1,373.92	
1/2	3,386.28	3,059.90	2,836.91	2,586.92	2,335.18	2,093.61	1,852.03	1,610.46	1,368.88	
3/4	3,385.41	3,054.87	2,832.38	2,582.16	2,330.15	2,088.57	1,846.99	1,605.43	1,363.85	
11	3,377.88	3,049.84	2,827.85	2,577.40	2,325.12	2,083.54	1,841.97	1,600.39	1,358.82	
1/4	3,377.01	3,044.81	2,823.32	2,572.64	2,320.08	2,078.51	1,836.93	1,595.36	1,353.79	
1/2	3,376.14	3,039.77	2,818.79	2,567.88	2,315.05	2,073.48	1,831.90	1,590.33	1,348.75	
3/4	3,375.27	3,034.74	2,814.26	2,563.12	2,310.02	2,068.44	1,826.87	1,585.29	1,343.72	

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 ONLY APPLIES TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-08" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pma.com>



# BARGE "DBL 133"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS				GAUGE HEIGHT 15'-08"						
IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	1,338.69	1,097.11	855.54	614.42	372.89	131.32	0	0	0	0
1/4	1,333.65	1,092.08	850.51	609.40	367.86	126.29	0	0	0	0
1/2	1,328.62	1,087.05	845.47	604.37	362.82	121.26	0	0	0	0
3/4	1,323.59	1,082.01	840.44	599.35	357.79	116.23	0	0	0	0
1	1,318.56	1,076.98	835.41	594.32	352.76	111.19	0	0	0	0
1/4	1,313.52	1,071.95	830.37	589.29	347.73	106.16	0	0	0	0
1/2	1,308.49	1,066.92	825.34	584.26	342.69	101.13	0	0	0	0
3/4	1,303.46	1,061.88	820.31	579.23	337.66	96.10	0	0	0	0
2	1,298.42	1,056.85	815.28	574.19	332.63	91.06	0	0	0	0
1/4	1,293.39	1,051.82	810.24	569.16	327.60	86.03	0	0	0	0
1/2	1,288.36	1,046.78	805.21	564.13	322.56	81.00	0	0	0	0
3/4	1,283.33	1,041.75	800.18	559.09	317.53	75.97	0	0	0	0
3	1,278.29	1,036.72	795.14	554.06	312.50	70.94	0	0	0	0
1/4	1,273.26	1,031.69	790.12	549.03	307.46	65.92	0	0	0	0
1/2	1,268.23	1,026.65	785.10	544.00	302.43	60.90	0	0	0	0
3/4	1,263.19	1,021.62	780.07	538.96	297.40	55.88	0	0	0	0
4	1,258.16	1,016.59	775.05	533.93	292.37	50.86	0	0	0	0
1/4	1,253.13	1,011.55	770.03	528.90	287.33	45.87	0	0	0	0
1/2	1,248.10	1,006.52	765.01	523.87	282.30	40.88	0	0	0	0
3/4	1,243.06	1,001.49	759.99	518.83	277.27	35.89	0	0	0	0
5	1,238.03	996.46	754.97	513.80	272.24	30.90	0	0	0	0
1/4	1,233.00	991.42	749.95	508.77	267.20	25.91	0	0	0	0
1/2	1,227.97	986.39	744.93	503.74	262.17	22.52	0	0	0	0
3/4	1,222.93	981.36	739.91	498.70	257.14	18.33	0	0	0	0
6	1,217.90	976.33	734.89	493.67	252.11	14.14	0	0	0	0
1/4	1,212.87	971.29	729.87	488.64	247.07	11.52	0	0	0	0
1/2	1,207.83	966.26	724.85	483.61	242.04	9.11	0	0	0	0
3/4	1,202.80	961.23	719.83	478.57	237.01	6.59	0	0	0	0
7	1,197.77	956.19	714.81	473.54	231.98	4.07	0	0	0	0
1/4	1,192.74	951.16	709.79	468.51	226.94	3.24	0	0	0	0
1/2	1,187.70	946.13	704.77	463.48	221.91	2.40	0	0	0	0
3/4	1,182.67	941.10	699.75	458.44	216.88	1.56	0	0	0	0
8	1,177.64	936.06	694.73	453.41	211.85	0.73	0	0	0	0
1/4	1,172.60	931.03	689.71	448.38	206.81	0	0	0	0	0
1/2	1,167.57	926.00	684.69	443.34	201.78	0	0	0	0	0
3/4	1,162.54	920.96	679.67	438.31	196.75	0	0	0	0	0
9	1,157.51	915.93	674.66	433.28	191.71	0	0	0	0	0
1/4	1,152.47	910.90	669.64	428.25	186.68	0	0	0	0	0
1/2	1,147.44	905.87	664.62	423.21	181.65	0	0	0	0	0
3/4	1,142.41	900.83	659.60	418.18	176.62	0	0	0	0	0
10	1,137.37	895.80	654.58	413.15	171.58	0	0	0	0	0
1/4	1,132.34	890.77	649.56	408.12	166.55	0	0	0	0	0
1/2	1,127.31	885.73	644.54	403.08	161.52	0	0	0	0	0
3/4	1,122.28	880.70	639.52	398.05	156.49	0	0	0	0	0
11	1,117.24	875.67	634.50	393.02	151.45	0	0	0	0	0
1/4	1,112.21	870.64	629.48	387.99	146.42	0	0	0	0	0
1/2	1,107.18	865.60	624.46	382.95	141.39	0	0	0	0	0
3/4	1,102.15	860.57	619.44	377.92	136.36	0	0	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/13/2019 SW JS  
 CALCULATED: 02/14/2019 CL  
 PRINTED: 02/15/2019 SW  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 02/2019

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