



# BARGE "DBL 322"

## 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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-0/8	- 00-0/8	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
2 STBD	00-0/8	- 00-0/8	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
3 PORT	00-5/8	- 00-5/8	01-1/4	- 01-1/4	01-7/8	- 01-7/8	02-1/2	- 02-1/2	03-1/8	- 03-1/8	03-3/4	- 03-3/4
3 STBD	00-5/8	- 00-5/8	01-1/4	- 01-1/4	01-7/8	- 01-7/8	02-1/2	- 02-1/2	03-1/8	- 03-1/8	03-3/4	- 03-3/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 6'-00"  
 DIFF. = 4'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 252'-09"

December 22, 2022

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 322"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

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	IN	0
1/4		1/4	5,227.41	1/4	4,913.70	1/4	4,580.77	1/4	4,233.76	1/4	3,873.92	1/4	3,510.46	1/4	3,146.99	1/4	2,783.53	1/4	2,419.98		
1/2		1/2	5,222.28	1/2	4,906.90	1/2	4,573.67	1/2	4,226.38	1/2	3,866.35	1/2	3,502.89	1/2	3,139.42	1/2	2,775.95	1/2	2,412.40		
3/4		3/4	5,217.15	3/4	4,900.11	3/4	4,566.57	3/4	4,219.00	3/4	3,858.78	3/4	3,495.31	3/4	3,131.85	3/4	2,768.38	3/4	2,404.83		
1	1	1	5,212.02	1	4,893.31	1	4,559.46	1	4,211.62	1	3,851.21	1	3,487.74	1	3,124.28	1	2,760.81	1	2,397.25		
1/4		1/4	5,206.89	1/4	4,886.51	1/4	4,552.36	1/4	4,204.24	1/4	3,843.63	1/4	3,480.17	1/4	3,116.70	1/4	2,753.24	1/4	2,389.68		
1/2		1/2	5,200.54	1/2	4,879.69	1/2	4,545.23	1/2	4,196.84	1/2	3,836.06	1/2	3,472.60	1/2	3,109.13	1/2	2,745.67	1/2	2,382.10		
3/4		3/4	5,194.19	3/4	4,872.87	3/4	4,538.11	3/4	4,189.44	3/4	3,828.49	3/4	3,465.02	3/4	3,101.56	3/4	2,738.09	3/4	2,374.53		
2	2	2	5,187.84	2	4,866.06	2	4,530.98	2	4,182.04	2	3,820.92	2	3,457.45	2	3,093.99	2	2,730.52	2	2,366.95		
1/4		1/4	5,181.49	1/4	4,859.24	1/4	4,523.86	1/4	4,174.63	1/4	3,813.35	1/4	3,449.88	1/4	3,086.41	1/4	2,722.95	1/4	2,359.38		
1/2		1/2	5,174.27	1/2	4,852.39	1/2	4,516.71	1/2	4,167.21	1/2	3,805.77	1/2	3,442.31	1/2	3,078.84	1/2	2,715.38	1/2	2,351.80		
3/4		3/4	5,167.06	3/4	4,845.55	3/4	4,509.56	3/4	4,159.78	3/4	3,798.20	3/4	3,434.74	3/4	3,071.27	3/4	2,707.80	3/4	2,344.23		
3	3	3	5,159.84	3	4,838.71	3	4,502.41	3	4,152.36	3	3,790.63	3	3,427.16	3	3,063.70	3	2,700.23	3	2,336.65		
1/4		1/4	5,152.63	1/4	4,831.86	1/4	4,495.26	1/4	4,144.93	1/4	3,783.06	1/4	3,419.59	1/4	3,056.13	1/4	2,692.66	1/4	2,329.08		
1/2		1/2	5,146.11	1/2	4,825.00	1/2	4,488.09	1/2	4,137.49	1/2	3,775.49	1/2	3,412.02	1/2	3,048.55	1/2	2,685.09	1/2	2,321.50		
3/4		3/4	5,139.59	3/4	4,818.13	3/4	4,480.92	3/4	4,130.04	3/4	3,767.91	3/4	3,404.45	3/4	3,040.98	3/4	2,677.52	3/4	2,313.93		
4	4	4	5,133.07	4	4,811.27	4	4,473.75	4	4,122.59	4	3,760.34	4	3,396.88	4	3,033.41	4	2,669.94	4	2,306.35		
1/4		1/4	5,126.55	1/4	4,804.40	1/4	4,466.58	1/4	4,115.14	1/4	3,752.77	1/4	3,389.30	1/4	3,025.84	1/4	2,662.37	1/4	2,298.78		
1/2		1/2	5,120.00	1/2	4,797.51	1/2	4,459.38	1/2	4,107.67	1/2	3,745.20	1/2	3,381.73	1/2	3,018.27	1/2	2,654.80	1/2	2,291.20		
3/4		3/4	5,113.46	3/4	4,790.62	3/4	4,452.19	3/4	4,100.20	3/4	3,737.62	3/4	3,374.16	3/4	3,010.69	3/4	2,647.22	3/4	2,283.63		
5	5	5	5,106.92	5	4,783.73	5	4,444.99	5	4,092.73	5	3,730.05	5	3,366.59	5	3,003.12	5	2,639.65	5	2,276.05		
1/4		1/4	5,100.37	1/4	4,776.84	1/4	4,437.80	1/4	4,085.25	1/4	3,722.48	1/4	3,359.01	1/4	2,995.55	1/4	2,632.08	1/4	2,268.48		
1/2		1/2	5,093.81	1/2	4,769.93	1/2	4,430.58	1/2	4,077.76	1/2	3,714.91	1/2	3,351.44	1/2	2,987.98	1/2	2,624.50	1/2	2,260.90		
3/4		3/4	5,087.24	3/4	4,763.02	3/4	4,423.36	3/4	4,070.27	3/4	3,707.34	3/4	3,343.87	3/4	2,980.40	3/4	2,616.93	3/4	2,253.33		
6	6	6	5,080.68	6	4,756.11	6	4,416.14	6	4,062.77	6	3,699.76	6	3,336.30	6	2,972.83	6	2,609.35	6	2,245.75		
1/4		1/4	5,074.11	1/4	4,749.19	1/4	4,408.92	1/4	4,055.28	1/4	3,692.19	1/4	3,328.73	1/4	2,965.26	1/4	2,601.78	1/4	2,238.18		
1/2		1/2	5,067.52	1/2	4,742.26	1/2	4,401.68	1/2	4,047.76	1/2	3,684.62	1/2	3,321.15	1/2	2,957.69	1/2	2,594.20	1/2	2,230.60		
3/4		3/4	5,060.93	3/4	4,735.32	3/4	4,394.44	3/4	4,040.24	3/4	3,677.05	3/4	3,313.58	3/4	2,950.12	3/4	2,586.63	3/4	2,223.03		
7	7	7	5,054.34	7	4,728.38	7	4,387.20	7	4,032.72	7	3,669.47	7	3,306.01	7	2,942.54	7	2,579.05	7	2,215.45		
1/4		1/4	5,047.75	1/4	4,721.44	1/4	4,379.96	1/4	4,025.21	1/4	3,661.90	1/4	3,298.44	1/4	2,934.97	1/4	2,571.48	1/4	2,207.88		
1/2		1/2	5,041.14	1/2	4,714.45	1/2	4,372.70	1/2	4,017.67	1/2	3,654.33	1/2	3,290.86	1/2	2,927.40	1/2	2,563.90	1/2	2,200.30		
3/4		3/4	5,034.53	3/4	4,707.47	3/4	4,365.43	3/4	4,010.13	3/4	3,646.76	3/4	3,283.29	3/4	2,919.83	3/4	2,556.33	3/4	2,192.73		
8	8	8	5,027.92	8	4,700.48	8	4,358.17	8	4,002.58	8	3,639.19	8	3,275.72	8	2,912.25	8	2,548.75	8	2,185.15		
1/4		1/4	5,021.31	1/4	4,693.49	1/4	4,350.91	1/4	3,995.04	1/4	3,631.61	1/4	3,268.15	1/4	2,904.68	1/4	2,541.18	1/4	2,177.58		
1/2		1/2	5,014.66	1/2	4,686.48	1/2	4,343.62	1/2	3,987.48	1/2	3,624.04	1/2	3,260.58	1/2	2,897.11	1/2	2,533.60	1/2	2,170.00		
3/4		3/4	5,008.02	3/4	4,679.47	3/4	4,336.33	3/4	3,979.92	3/4	3,616.47	3/4	3,253.00	3/4	2,889.54	3/4	2,526.03	3/4	2,162.43		
9	9	9	5,001.37	9	4,672.46	9	4,329.04	9	3,972.35	9	3,608.90	9	3,245.43	9	2,881.97	9	2,518.45	9	2,154.85		
1/4		1/4	4,994.73	1/4	4,665.45	1/4	4,321.76	1/4	3,964.79	1/4	3,601.32	1/4	3,237.86	1/4	2,874.39	1/4	2,510.88	1/4	2,147.28		
1/2		1/2	4,988.00	1/2	4,658.42	1/2	4,314.45	1/2	3,957.22	1/2	3,593.75	1/2	3,230.29	1/2	2,866.82	1/2	2,503.30	1/2	2,139.70		
3/4		3/4	4,981.27	3/4	4,651.38	3/4	4,307.14	3/4	3,949.65	3/4	3,586.18	3/4	3,222.71	3/4	2,859.25	3/4	2,495.73	3/4	2,132.13		
10	10	10	4,974.54	10	4,644.35	10	4,299.83	10	3,942.07	10	3,578.61	10	3,215.14	10	2,851.68	10	2,488.15	10	2,124.55		
1/4		1/4	4,967.81	1/4	4,637.31	1/4	4,292.52	1/4	3,934.50	1/4	3,571.04	1/4	3,207.57	1/4	2,844.10	1/4	2,480.58	1/4	2,116.98		
1/2		1/2	4,961.06	1/2	4,630.26	1/2	4,285.18	1/2	3,926.93	1/2	3,563.46	1/2	3,200.00	1/2	2,836.53	1/2	2,473.00	1/2	2,109.40		
3/4		3/4	4,954.30	3/4	4,623.20	3/4	4,277.85	3/4	3,919.36	3/4	3,555.89	3/4	3,192.43	3/4	2,828.96	3/4	2,465.43	3/4	2,101.83		
11	11	11	4,947.55	11	4,616.15	11	4,270.52	11	3,911.78	11	3,548.32	11	3,184.85	11	2,821.39	11	2,457.85	11	2,094.25		
1/4		1/4	4,940.80	1/4	4,609.09	1/4	4,263.18	1/4	3,904.21	1/4	3,540.75	1/4	3,177.28	1/4	2,813.82	1/4	2,450.28	1/4	2,086.68		
1/2		1/2	4,934.02	1/2	4,602.01	1/2	4,255.83	1/2	3,896.64	1/2	3,533.17	1/2	3,169.71	1/2	2,806.24	1/2	2,442.70	1/2	2,079.10		
3/4		3/4	4,927.25	3/4	4,594.93	3/4	4,248.47	3/4	3,889.07	3/4	3,525.60	3/4	3,162.14	3/4	2,798.67	3/4	2,435.13	3/4	2,071.53		

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 TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 43'-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 322"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,063.95	0	1,700.35	0	1,336.75	0	973.59	0	610.06	0	246.47	0		0		0		0	
1/4	2,056.38	1/4	1,692.78	1/4	1,329.18	1/4	966.03	1/4	602.48	1/4	238.90	1/4		1/4		1/4		1/4	
1/2	2,048.80	1/2	1,685.20	1/2	1,321.60	1/2	958.46	1/2	594.91	1/2	231.32	1/2		1/2		1/2		1/2	
3/4	2,041.23	3/4	1,677.63	3/4	1,314.03	3/4	950.90	3/4	587.33	3/4	223.75	3/4		3/4		3/4		3/4	
1	2,033.65	1	1,670.05	1	1,306.45	1	943.33	1	579.76	1	216.17	1		1		1		1	
1/4	2,026.08	1/4	1,662.48	1/4	1,298.88	1/4	935.77	1/4	572.18	1/4	208.60	1/4		1/4		1/4		1/4	
1/2	2,018.50	1/2	1,654.90	1/2	1,291.30	1/2	928.19	1/2	564.61	1/2	201.02	1/2		1/2		1/2		1/2	
3/4	2,010.93	3/4	1,647.33	3/4	1,283.73	3/4	920.62	3/4	557.03	3/4	193.45	3/4		3/4		3/4		3/4	
2	2,003.35	2	1,639.75	2	1,276.15	2	913.05	2	549.46	2	185.87	2		2		2		2	
1/4	1,995.78	1/4	1,632.18	1/4	1,268.58	1/4	905.47	1/4	541.88	1/4	178.30	1/4		1/4		1/4		1/4	
1/2	1,988.20	1/2	1,624.60	1/2	1,261.01	1/2	897.90	1/2	534.31	1/2	170.72	1/2		1/2		1/2		1/2	
3/4	1,980.63	3/4	1,617.03	3/4	1,253.43	3/4	890.32	3/4	526.74	3/4	163.15	3/4		3/4		3/4		3/4	
3	1,973.05	3	1,609.45	3	1,245.86	3	882.75	3	519.16	3	155.58	3		3		3		3	
1/4	1,965.48	1/4	1,601.88	1/4	1,238.28	1/4	875.17	1/4	511.59	1/4	148.00	1/4		1/4		1/4		1/4	
1/2	1,957.90	1/2	1,594.30	1/2	1,230.72	1/2	867.60	1/2	504.01	1/2	140.43	1/2		1/2		1/2		1/2	
3/4	1,950.33	3/4	1,586.73	3/4	1,223.16	3/4	860.02	3/4	496.44	3/4	132.85	3/4		3/4		3/4		3/4	
4	1,942.75	4	1,579.15	4	1,215.60	4	852.45	4	488.86	4	125.28	4		4		4		4	
1/4	1,935.18	1/4	1,571.58	1/4	1,208.03	1/4	844.87	1/4	481.29	1/4	117.70	1/4		1/4		1/4		1/4	
1/2	1,927.60	1/2	1,564.00	1/2	1,200.47	1/2	837.30	1/2	473.71	1/2	110.21	1/2		1/2		1/2		1/2	
3/4	1,920.03	3/4	1,556.43	3/4	1,192.91	3/4	829.72	3/4	466.14	3/4	102.71	3/4		3/4		3/4		3/4	
5	1,912.45	5	1,548.85	5	1,185.35	5	822.15	5	458.56	5	95.21	5		5		5		5	
1/4	1,904.88	1/4	1,541.28	1/4	1,177.78	1/4	814.57	1/4	450.99	1/4	87.72	1/4		1/4		1/4		1/4	
1/2	1,897.30	1/2	1,533.70	1/2	1,170.22	1/2	807.00	1/2	443.41	1/2	80.93	1/2		1/2		1/2		1/2	
3/4	1,889.73	3/4	1,526.13	3/4	1,162.66	3/4	799.42	3/4	435.84	3/4	74.15	3/4		3/4		3/4		3/4	
6	1,882.15	6	1,518.55	6	1,155.10	6	791.85	6	428.26	6	67.36	6		6		6		6	
1/4	1,874.58	1/4	1,510.98	1/4	1,147.53	1/4	784.28	1/4	420.69	1/4	60.58	1/4		1/4		1/4		1/4	
1/2	1,867.00	1/2	1,503.40	1/2	1,139.97	1/2	776.70	1/2	413.11	1/2	55.05	1/2		1/2		1/2		1/2	
3/4	1,859.43	3/4	1,495.83	3/4	1,132.41	3/4	769.13	3/4	405.54	3/4	49.53	3/4		3/4		3/4		3/4	
7	1,851.85	7	1,488.25	7	1,124.84	7	761.55	7	397.97	7	44.01	7		7		7		7	
1/4	1,844.28	1/4	1,480.68	1/4	1,117.28	1/4	753.98	1/4	390.39	1/4	38.49	1/4		1/4		1/4		1/4	
1/2	1,836.70	1/2	1,473.10	1/2	1,109.72	1/2	746.40	1/2	382.82	1/2	34.23	1/2		1/2		1/2		1/2	
3/4	1,829.13	3/4	1,465.53	3/4	1,102.16	3/4	738.83	3/4	375.24	3/4	29.97	3/4		3/4		3/4		3/4	
8	1,821.55	8	1,457.95	8	1,094.59	8	731.25	8	367.67	8	25.71	8		8		8		8	
1/4	1,813.98	1/4	1,450.38	1/4	1,087.03	1/4	723.68	1/4	360.09	1/4	21.45	1/4		1/4		1/4		1/4	
1/2	1,806.40	1/2	1,442.80	1/2	1,079.47	1/2	716.10	1/2	352.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,798.83	3/4	1,435.23	3/4	1,071.91	3/4	708.53	3/4	344.94	3/4		3/4		3/4		3/4		3/4	
9	1,791.25	9	1,427.65	9	1,064.34	9	700.95	9	337.37	9		9		9		9		9	
1/4	1,783.68	1/4	1,420.08	1/4	1,056.78	1/4	693.38	1/4	329.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,776.10	1/2	1,412.50	1/2	1,049.22	1/2	685.80	1/2	322.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,768.53	3/4	1,404.93	3/4	1,041.65	3/4	678.23	3/4	314.64	3/4		3/4		3/4		3/4		3/4	
10	1,760.95	10	1,397.35	10	1,034.09	10	670.65	10	307.07	10		10		10		10		10	
1/4	1,753.38	1/4	1,389.78	1/4	1,026.53	1/4	663.08	1/4	299.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,745.80	1/2	1,382.20	1/2	1,018.97	1/2	655.51	1/2	291.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,738.23	3/4	1,374.63	3/4	1,011.40	3/4	647.93	3/4	284.35	3/4		3/4		3/4		3/4		3/4	
11	1,730.65	11	1,367.05	11	1,003.84	11	640.36	11	276.77	11		11		11		11		11	
1/4	1,723.08	1/4	1,359.48	1/4	996.28	1/4	632.78	1/4	269.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,715.50	1/2	1,351.90	1/2	988.72	1/2	625.21	1/2	261.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,707.93	3/4	1,344.33	3/4	981.15	3/4	617.63	3/4	254.05	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2022 JS  
CALCULATED: 12/22/2022 CL  
PRINTED: 12/23/2022 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2022

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



# BARGE "DBL 322"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	4,936.76	0	4,605.17	0	4,259.41	0	3,900.60	0	3,537.29	0	3,173.98	0	2,810.68	0	2,447.29
1/4		1/4		1/4	4,929.99	1/4	4,598.10	1/4	4,252.06	1/4	3,893.03	1/4	3,529.72	1/4	3,166.42	1/4	2,803.11	1/4	2,439.72
1/2		1/2		1/2	4,923.22	1/2	4,591.02	1/2	4,244.70	1/2	3,885.46	1/2	3,522.15	1/2	3,158.85	1/2	2,795.54	1/2	2,432.15
3/4		3/4		3/4	4,916.45	3/4	4,583.94	3/4	4,237.35	3/4	3,877.89	3/4	3,514.58	3/4	3,151.28	3/4	2,787.97	3/4	2,424.58
1		1	5,223.27	1	4,909.68	1	4,576.87	1	4,230.00	1	3,870.32	1	3,507.02	1	3,143.71	1	2,780.40	1	2,417.00
1/4		1/4	5,218.14	1/4	4,902.88	1/4	4,569.77	1/4	4,222.62	1/4	3,862.75	1/4	3,499.45	1/4	3,136.14	1/4	2,772.83	1/4	2,409.43
1/2		1/2	5,213.01	1/2	4,896.09	1/2	4,562.67	1/2	4,215.24	1/2	3,855.19	1/2	3,491.88	1/2	3,128.57	1/2	2,765.26	1/2	2,401.86
3/4		3/4	5,207.88	3/4	4,889.29	3/4	4,555.57	3/4	4,207.87	3/4	3,847.62	3/4	3,484.31	3/4	3,121.00	3/4	2,757.69	3/4	2,394.29
2		2	5,202.75	2	4,882.50	2	4,548.47	2	4,200.49	2	3,840.05	2	3,476.74	2	3,113.43	2	2,750.13	2	2,386.72
1/4		1/4	5,196.41	1/4	4,875.68	1/4	4,541.34	1/4	4,193.09	1/4	3,832.48	1/4	3,469.17	1/4	3,105.86	1/4	2,742.56	1/4	2,379.15
1/2		1/2	5,190.06	1/2	4,868.86	1/2	4,534.22	1/2	4,185.69	1/2	3,824.91	1/2	3,461.60	1/2	3,098.29	1/2	2,734.99	1/2	2,371.58
3/4		3/4	5,183.72	3/4	4,862.05	3/4	4,527.10	3/4	4,178.29	3/4	3,817.34	3/4	3,454.03	3/4	3,090.73	3/4	2,727.42	3/4	2,364.00
3		3	5,177.37	3	4,855.23	3	4,519.98	3	4,170.90	3	3,809.77	3	3,446.46	3	3,083.16	3	2,719.85	3	2,356.43
1/4		1/4	5,170.16	1/4	4,848.39	1/4	4,512.83	1/4	4,163.47	1/4	3,802.20	1/4	3,438.90	1/4	3,075.59	1/4	2,712.28	1/4	2,348.86
1/2		1/2	5,162.95	1/2	4,841.55	1/2	4,505.68	1/2	4,156.05	1/2	3,794.63	1/2	3,431.33	1/2	3,068.02	1/2	2,704.71	1/2	2,341.29
3/4		3/4	5,155.74	3/4	4,834.71	3/4	4,498.54	3/4	4,148.63	3/4	3,787.06	3/4	3,423.76	3/4	3,060.45	3/4	2,697.14	3/4	2,333.72
4		4	5,148.52	4	4,827.87	4	4,491.39	4	4,141.21	4	3,779.50	4	3,416.19	4	3,052.88	4	2,689.57	4	2,326.15
1/4		1/4	5,142.01	1/4	4,821.00	1/4	4,484.22	1/4	4,133.76	1/4	3,771.93	1/4	3,408.62	1/4	3,045.31	1/4	2,682.01	1/4	2,318.57
1/2		1/2	5,135.49	1/2	4,814.14	1/2	4,477.05	1/2	4,126.32	1/2	3,764.36	1/2	3,401.05	1/2	3,037.74	1/2	2,674.44	1/2	2,311.00
3/4		3/4	5,128.97	3/4	4,807.28	3/4	4,469.89	3/4	4,118.87	3/4	3,756.79	3/4	3,393.48	3/4	3,030.17	3/4	2,666.87	3/4	2,303.43
5		5	5,122.45	5	4,800.41	5	4,462.72	5	4,111.43	5	3,749.22	5	3,385.91	5	3,022.61	5	2,659.30	5	2,295.86
1/4		1/4	5,115.91	1/4	4,793.53	1/4	4,455.52	1/4	4,103.96	1/4	3,741.65	1/4	3,378.34	1/4	3,015.04	1/4	2,651.73	1/4	2,288.29
1/2		1/2	5,109.37	1/2	4,786.64	1/2	4,448.33	1/2	4,096.49	1/2	3,734.08	1/2	3,370.78	1/2	3,007.47	1/2	2,644.15	1/2	2,280.72
3/4		3/4	5,102.83	3/4	4,779.75	3/4	4,441.14	3/4	4,089.02	3/4	3,726.51	3/4	3,363.21	3/4	2,999.90	3/4	2,636.58	3/4	2,273.14
6		6	5,096.29	6	4,772.87	6	4,433.95	6	4,081.55	6	3,718.94	6	3,355.64	6	2,992.33	6	2,629.01	6	2,265.57
1/4		1/4	5,089.72	1/4	4,765.96	1/4	4,426.73	1/4	4,074.06	1/4	3,711.38	1/4	3,348.07	1/4	2,984.76	1/4	2,621.44	1/4	2,258.00
1/2		1/2	5,083.16	1/2	4,759.05	1/2	4,419.52	1/2	4,066.57	1/2	3,703.81	1/2	3,340.50	1/2	2,977.19	1/2	2,613.87	1/2	2,250.43
3/4		3/4	5,076.60	3/4	4,752.14	3/4	4,412.30	3/4	4,059.08	3/4	3,696.24	3/4	3,332.93	3/4	2,969.62	3/4	2,606.29	3/4	2,242.86
7		7	5,070.03	7	4,745.23	7	4,405.09	7	4,051.59	7	3,688.67	7	3,325.36	7	2,962.05	7	2,598.72	7	2,235.29
1/4		1/4	5,063.45	1/4	4,738.29	1/4	4,397.85	1/4	4,044.07	1/4	3,681.10	1/4	3,317.79	1/4	2,954.49	1/4	2,591.15	1/4	2,227.71
1/2		1/2	5,056.86	1/2	4,731.36	1/2	4,390.61	1/2	4,036.56	1/2	3,673.53	1/2	3,310.22	1/2	2,946.92	1/2	2,583.58	1/2	2,220.14
3/4		3/4	5,050.27	3/4	4,724.42	3/4	4,383.38	3/4	4,029.05	3/4	3,665.96	3/4	3,302.66	3/4	2,939.35	3/4	2,576.01	3/4	2,212.57
8		8	5,043.68	8	4,717.48	8	4,376.14	8	4,021.53	8	3,658.39	8	3,295.09	8	2,931.78	8	2,568.44	8	2,205.00
1/4		1/4	5,037.07	1/4	4,710.50	1/4	4,368.88	1/4	4,013.99	1/4	3,650.82	1/4	3,287.52	1/4	2,924.21	1/4	2,560.87	1/4	2,197.43
1/2		1/2	5,030.46	1/2	4,703.51	1/2	4,361.62	1/2	4,006.46	1/2	3,643.26	1/2	3,279.95	1/2	2,916.64	1/2	2,553.29	1/2	2,189.86
3/4		3/4	5,023.85	3/4	4,696.53	3/4	4,354.35	3/4	3,998.92	3/4	3,635.69	3/4	3,272.38	3/4	2,909.07	3/4	2,545.72	3/4	2,182.29
9		9	5,017.24	9	4,689.54	9	4,347.09	9	3,991.38	9	3,628.12	9	3,264.81	9	2,901.50	9	2,538.15	9	2,174.71
1/4		1/4	5,010.60	1/4	4,682.54	1/4	4,339.81	1/4	3,983.82	1/4	3,620.55	1/4	3,257.24	1/4	2,893.93	1/4	2,530.58	1/4	2,167.14
1/2		1/2	5,003.96	1/2	4,675.53	1/2	4,332.53	1/2	3,976.27	1/2	3,612.98	1/2	3,249.67	1/2	2,886.37	1/2	2,523.01	1/2	2,159.57
3/4		3/4	4,997.32	3/4	4,668.52	3/4	4,325.24	3/4	3,968.71	3/4	3,605.41	3/4	3,242.10	3/4	2,878.80	3/4	2,515.44	3/4	2,152.00
10		10	4,990.68	10	4,661.51	10	4,317.96	10	3,961.15	10	3,597.84	10	3,234.54	10	2,871.23	10	2,507.86	10	2,144.43
1/4		1/4	4,983.95	1/4	4,654.48	1/4	4,310.65	1/4	3,953.58	1/4	3,590.27	1/4	3,226.97	1/4	2,863.66	1/4	2,500.29	1/4	2,136.86
1/2		1/2	4,977.22	1/2	4,647.45	1/2	4,303.34	1/2	3,946.01	1/2	3,582.70	1/2	3,219.40	1/2	2,856.09	1/2	2,492.72	1/2	2,129.28
3/4		3/4	4,970.49	3/4	4,640.42	3/4	4,296.04	3/4	3,938.44	3/4	3,575.14	3/4	3,211.83	3/4	2,848.52	3/4	2,485.15	3/4	2,121.71
11		11	4,963.76	11	4,633.39	11	4,288.73	11	3,930.87	11	3,567.57	11	3,204.26	11	2,840.95	11	2,477.58	11	2,114.14
1/4		1/4	4,957.01	1/4	4,626.34	1/4	4,281.40	1/4	3,923.31	1/4	3,560.00	1/4	3,196.69	1/4	2,833.38	1/4	2,470.01	1/4	2,106.57
1/2		1/2	4,950.26	1/2	4,619.28	1/2	4,274.07	1/2	3,915.74	1/2	3,552.43	1/2	3,189.12	1/2	2,825.81	1/2	2,462.43	1/2	2,099.00
3/4		3/4	4,943.51	3/4	4,612.23	3/4	4,266.74	3/4	3,908.17	3/4	3,544.86	3/4	3,181.55	3/4	2,818.25	3/4	2,454.86	3/4	2,091.43

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 TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 322"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,083.85	0	1,720.42	0	1,356.98	0	995.38	0	632.50	0	269.08	0		0		0		0	
1/4	2,076.28	1/4	1,712.85	1/4	1,349.41	1/4	987.86	1/4	624.93	1/4	261.51	1/4		1/4		1/4		1/4	
1/2	2,068.71	1/2	1,705.27	1/2	1,341.84	1/2	980.34	1/2	617.36	1/2	253.93	1/2		1/2		1/2		1/2	
3/4	2,061.14	3/4	1,697.70	3/4	1,334.27	3/4	972.82	3/4	609.79	3/4	246.36	3/4		3/4		3/4		3/4	
1	2,053.57	1	1,690.13	1	1,326.69	1	965.31	1	602.21	1	238.79	1		1		1		1	
1/4	2,046.00	1/4	1,682.56	1/4	1,319.12	1/4	957.78	1/4	594.64	1/4	231.22	1/4		1/4		1/4		1/4	
1/2	2,038.42	1/2	1,674.99	1/2	1,311.55	1/2	950.26	1/2	587.07	1/2	223.65	1/2		1/2		1/2		1/2	
3/4	2,030.85	3/4	1,667.42	3/4	1,303.98	3/4	942.74	3/4	579.50	3/4	216.08	3/4		3/4		3/4		3/4	
2	2,023.28	2	1,659.84	2	1,296.41	2	935.22	2	571.93	2	208.51	2		2		2		2	
1/4	2,015.71	1/4	1,652.27	1/4	1,288.84	1/4	927.68	1/4	564.36	1/4	200.94	1/4		1/4		1/4		1/4	
1/2	2,008.14	1/2	1,644.70	1/2	1,281.27	1/2	920.14	1/2	556.79	1/2	193.36	1/2		1/2		1/2		1/2	
3/4	2,000.57	3/4	1,637.13	3/4	1,273.71	3/4	912.60	3/4	549.21	3/4	185.79	3/4		3/4		3/4		3/4	
3	1,993.00	3	1,629.56	3	1,266.14	3	905.07	3	541.64	3	178.22	3		3		3		3	
1/4	1,985.42	1/4	1,621.99	1/4	1,258.61	1/4	897.49	1/4	534.07	1/4	170.65	1/4		1/4		1/4		1/4	
1/2	1,977.85	1/2	1,614.42	1/2	1,251.08	1/2	889.92	1/2	526.50	1/2	163.08	1/2		1/2		1/2		1/2	
3/4	1,970.28	3/4	1,606.84	3/4	1,243.55	3/4	882.35	3/4	518.93	3/4	155.51	3/4		3/4		3/4		3/4	
4	1,962.71	4	1,599.27	4	1,236.02	4	874.78	4	511.36	4	147.94	4		4		4		4	
1/4	1,955.14	1/4	1,591.70	1/4	1,228.50	1/4	867.21	1/4	503.79	1/4	140.36	1/4		1/4		1/4		1/4	
1/2	1,947.57	1/2	1,584.13	1/2	1,220.98	1/2	859.64	1/2	496.22	1/2	132.79	1/2		1/2		1/2		1/2	
3/4	1,939.99	3/4	1,576.56	3/4	1,213.46	3/4	852.07	3/4	488.64	3/4	125.22	3/4		3/4		3/4		3/4	
5	1,932.42	5	1,568.99	5	1,205.94	5	844.50	5	481.07	5	117.65	5		5		5		5	
1/4	1,924.85	1/4	1,561.41	1/4	1,198.42	1/4	836.92	1/4	473.50	1/4	110.16	1/4		1/4		1/4		1/4	
1/2	1,917.28	1/2	1,553.84	1/2	1,190.90	1/2	829.35	1/2	465.93	1/2	102.67	1/2		1/2		1/2		1/2	
3/4	1,909.71	3/4	1,546.27	3/4	1,183.38	3/4	821.78	3/4	458.36	3/4	95.17	3/4		3/4		3/4		3/4	
6	1,902.14	6	1,538.70	6	1,175.86	6	814.21	6	450.79	6	87.68	6		6		6		6	
1/4	1,894.56	1/4	1,531.13	1/4	1,168.34	1/4	806.64	1/4	443.22	1/4	80.90	1/4		1/4		1/4		1/4	
1/2	1,886.99	1/2	1,523.56	1/2	1,160.82	1/2	799.07	1/2	435.65	1/2	74.12	1/2		1/2		1/2		1/2	
3/4	1,879.42	3/4	1,515.98	3/4	1,153.30	3/4	791.50	3/4	428.07	3/4	67.33	3/4		3/4		3/4		3/4	
7	1,871.85	7	1,508.41	7	1,145.78	7	783.93	7	420.50	7	60.55	7		7		7		7	
1/4	1,864.28	1/4	1,500.84	1/4	1,138.26	1/4	776.35	1/4	412.93	1/4	55.03	1/4		1/4		1/4		1/4	
1/2	1,856.71	1/2	1,493.27	1/2	1,130.74	1/2	768.78	1/2	405.36	1/2	49.51	1/2		1/2		1/2		1/2	
3/4	1,849.13	3/4	1,485.70	3/4	1,123.22	3/4	761.21	3/4	397.79	3/4	43.99	3/4		3/4		3/4		3/4	
8	1,841.56	8	1,478.13	8	1,115.70	8	753.64	8	390.22	8	38.47	8		8		8		8	
1/4	1,833.99	1/4	1,470.55	1/4	1,108.18	1/4	746.07	1/4	382.65	1/4	34.21	1/4		1/4		1/4		1/4	
1/2	1,826.42	1/2	1,462.98	1/2	1,100.66	1/2	738.50	1/2	375.07	1/2	29.96	1/2		1/2		1/2		1/2	
3/4	1,818.85	3/4	1,455.41	3/4	1,093.14	3/4	730.93	3/4	367.50	3/4	25.70	3/4		3/4		3/4		3/4	
9	1,811.28	9	1,447.84	9	1,085.62	9	723.35	9	359.93	9	21.44	9		9		9		9	
1/4	1,803.71	1/4	1,440.27	1/4	1,078.10	1/4	715.78	1/4	352.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,796.13	1/2	1,432.70	1/2	1,070.58	1/2	708.21	1/2	344.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,788.56	3/4	1,425.13	3/4	1,063.06	3/4	700.64	3/4	337.22	3/4		3/4		3/4		3/4		3/4	
10	1,780.99	10	1,417.55	10	1,055.54	10	693.07	10	329.65	10		10		10		10		10	
1/4	1,773.42	1/4	1,409.98	1/4	1,048.02	1/4	685.50	1/4	322.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,765.85	1/2	1,402.41	1/2	1,040.50	1/2	677.93	1/2	314.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,758.28	3/4	1,394.84	3/4	1,032.98	3/4	670.36	3/4	306.93	3/4		3/4		3/4		3/4		3/4	
11	1,750.70	11	1,387.27	11	1,025.46	11	662.78	11	299.36	11		11		11		11		11	
1/4	1,743.13	1/4	1,379.70	1/4	1,017.94	1/4	655.21	1/4	291.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,735.56	1/2	1,372.12	1/2	1,010.42	1/2	647.64	1/2	284.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,727.99	3/4	1,364.55	3/4	1,002.90	3/4	640.07	3/4	276.65	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2022 JS  
CALCULATED: 12/22/2022 CL  
PRINTED: 12/23/2022 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2022

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "DBL 322"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	4,918.36	0	4,587.46	0	4,242.41	0	3,884.37	0	3,522.05	0	3,159.73	0	2,797.40	0	2,435.02		
1/4		1/4		1/4	4,911.61	1/4	4,580.41	1/4	4,235.08	1/4	3,876.82	1/4	3,514.50	1/4	3,152.18	1/4	2,789.85	1/4	2,427.47		
1/2		1/2		1/2	4,904.86	1/2	4,573.35	1/2	4,227.74	1/2	3,869.28	1/2	3,506.95	1/2	3,144.63	1/2	2,782.31	1/2	2,419.92		
3/4		3/4		3/4	5,210.76	3/4	4,898.11	3/4	4,566.29	3/4	4,220.41	3/4	3,861.73	3/4	3,499.40	3/4	3,137.08	3/4	2,774.76	3/4	2,412.36
1		1		1	5,205.65	1	4,891.34	1	4,559.21	1	4,213.05	1	3,854.18	1	3,491.86	1	3,129.53	1	2,767.21	1	2,404.81
1/4		1/4		1/4	5,200.53	1/4	4,884.57	1/4	4,552.14	1/4	4,205.70	1/4	3,846.63	1/4	3,484.31	1/4	3,121.98	1/4	2,759.66	1/4	2,397.26
1/2		1/2		1/2	5,195.42	1/2	4,877.79	1/2	4,545.06	1/2	4,198.34	1/2	3,839.08	1/2	3,476.76	1/2	3,114.44	1/2	2,752.11	1/2	2,389.71
3/4		3/4		3/4	5,190.30	3/4	4,871.02	3/4	4,537.98	3/4	4,190.99	3/4	3,831.53	3/4	3,469.21	3/4	3,106.89	3/4	2,744.56	3/4	2,382.16
2		2		2	5,183.97	2	4,864.22	2	4,530.87	2	4,183.61	2	3,823.98	2	3,461.66	2	3,099.34	2	2,737.02	2	2,374.61
1/4		1/4		1/4	5,177.64	1/4	4,857.42	1/4	4,523.77	1/4	4,176.23	1/4	3,816.44	1/4	3,454.11	1/4	3,091.79	1/4	2,729.47	1/4	2,367.06
1/2		1/2		1/2	5,171.31	1/2	4,850.63	1/2	4,516.67	1/2	4,168.85	1/2	3,808.89	1/2	3,446.56	1/2	3,084.24	1/2	2,721.92	1/2	2,359.51
3/4		3/4		3/4	5,164.99	3/4	4,843.83	3/4	4,509.57	3/4	4,161.47	3/4	3,801.34	3/4	3,439.02	3/4	3,076.69	3/4	2,714.37	3/4	2,351.95
3		3		3	5,157.79	3	4,837.01	3	4,502.44	3	4,154.07	3	3,793.79	3	3,431.47	3	3,069.14	3	2,706.82	3	2,344.40
1/4		1/4		1/4	5,150.60	1/4	4,830.19	1/4	4,495.32	1/4	4,146.67	1/4	3,786.24	1/4	3,423.92	1/4	3,061.60	1/4	2,699.27	1/4	2,336.85
1/2		1/2		1/2	5,143.41	1/2	4,823.37	1/2	4,488.19	1/2	4,139.27	1/2	3,778.69	1/2	3,416.37	1/2	3,054.05	1/2	2,691.72	1/2	2,329.30
3/4		3/4		3/4	5,136.22	3/4	4,816.55	3/4	4,481.07	3/4	4,131.87	3/4	3,771.15	3/4	3,408.82	3/4	3,046.50	3/4	2,684.18	3/4	2,321.75
4		4		4	5,129.72	4	4,809.71	4	4,473.92	4	4,124.44	4	3,763.60	4	3,401.27	4	3,038.95	4	2,676.63	4	2,314.20
1/4		1/4		1/4	5,123.22	1/4	4,802.86	1/4	4,466.77	1/4	4,117.02	1/4	3,756.05	1/4	3,393.73	1/4	3,031.40	1/4	2,669.08	1/4	2,306.65
1/2		1/2		1/2	5,116.72	1/2	4,796.02	1/2	4,459.62	1/2	4,109.59	1/2	3,748.50	1/2	3,386.18	1/2	3,023.85	1/2	2,661.53	1/2	2,299.10
3/4		3/4		3/4	5,110.23	3/4	4,789.18	3/4	4,452.47	3/4	4,102.17	3/4	3,740.95	3/4	3,378.63	3/4	3,016.31	3/4	2,653.98	3/4	2,291.55
5		5		5	5,103.71	5	4,782.31	5	4,445.30	5	4,094.72	5	3,733.40	5	3,371.08	5	3,008.76	5	2,646.44	5	2,283.99
1/4		1/4		1/4	5,097.19	1/4	4,775.45	1/4	4,438.13	1/4	4,087.27	1/4	3,725.86	1/4	3,363.53	1/4	3,001.21	1/4	2,638.89	1/4	2,276.44
1/2		1/2		1/2	5,090.67	1/2	4,768.58	1/2	4,430.96	1/2	4,079.83	1/2	3,718.31	1/2	3,355.98	1/2	2,993.66	1/2	2,631.34	1/2	2,268.89
3/4		3/4		3/4	5,084.15	3/4	4,761.72	3/4	4,423.79	3/4	4,072.38	3/4	3,710.76	3/4	3,348.44	3/4	2,986.11	3/4	2,623.80	3/4	2,261.34
6		6		6	5,077.60	6	4,754.83	6	4,416.59	6	4,064.91	6	3,703.21	6	3,340.89	6	2,978.56	6	2,616.25	6	2,253.79
1/4		1/4		1/4	5,071.06	1/4	4,747.94	1/4	4,409.40	1/4	4,057.44	1/4	3,695.66	1/4	3,333.34	1/4	2,971.02	1/4	2,608.70	1/4	2,246.24
1/2		1/2		1/2	5,064.52	1/2	4,741.05	1/2	4,402.20	1/2	4,049.97	1/2	3,688.11	1/2	3,325.79	1/2	2,963.47	1/2	2,601.14	1/2	2,238.69
3/4		3/4		3/4	5,057.97	3/4	4,734.16	3/4	4,395.01	3/4	4,042.50	3/4	3,680.57	3/4	3,318.24	3/4	2,955.92	3/4	2,593.59	3/4	2,231.14
7		7		7	5,051.41	7	4,727.24	7	4,387.79	7	4,035.00	7	3,673.02	7	3,310.69	7	2,948.37	7	2,586.04	7	2,223.58
1/4		1/4		1/4	5,044.84	1/4	4,720.33	1/4	4,380.57	1/4	4,027.51	1/4	3,665.47	1/4	3,303.15	1/4	2,940.82	1/4	2,578.49	1/4	2,216.03
1/2		1/2		1/2	5,038.27	1/2	4,713.41	1/2	4,373.36	1/2	4,020.01	1/2	3,657.92	1/2	3,295.60	1/2	2,933.27	1/2	2,570.94	1/2	2,208.48
3/4		3/4		3/4	5,031.71	3/4	4,706.50	3/4	4,366.14	3/4	4,012.52	3/4	3,650.37	3/4	3,288.05	3/4	2,925.73	3/4	2,563.39	3/4	2,200.93
8		8		8	5,025.12	8	4,699.53	8	4,358.90	8	4,005.00	8	3,642.82	8	3,280.50	8	2,918.18	8	2,555.84	8	2,193.38
1/4		1/4		1/4	5,018.53	1/4	4,692.57	1/4	4,351.66	1/4	3,997.49	1/4	3,635.27	1/4	3,272.95	1/4	2,910.63	1/4	2,548.29	1/4	2,185.83
1/2		1/2		1/2	5,011.94	1/2	4,685.60	1/2	4,344.42	1/2	3,989.97	1/2	3,627.73	1/2	3,265.40	1/2	2,903.08	1/2	2,540.73	1/2	2,178.28
3/4		3/4		3/4	5,005.35	3/4	4,678.64	3/4	4,337.18	3/4	3,982.45	3/4	3,620.18	3/4	3,257.85	3/4	2,895.53	3/4	2,533.18	3/4	2,170.73
9		9		9	4,998.73	9	4,671.65	9	4,329.91	9	3,974.92	9	3,612.63	9	3,250.31	9	2,887.98	9	2,525.63	9	2,163.17
1/4		1/4		1/4	4,992.11	1/4	4,664.67	1/4	4,322.65	1/4	3,967.38	1/4	3,605.08	1/4	3,242.76	1/4	2,880.43	1/4	2,518.08	1/4	2,155.62
1/2		1/2		1/2	4,985.49	1/2	4,657.68	1/2	4,315.39	1/2	3,959.84	1/2	3,597.53	1/2	3,235.21	1/2	2,872.89	1/2	2,510.53	1/2	2,148.07
3/4		3/4		3/4	4,978.86	3/4	4,650.69	3/4	4,308.12	3/4	3,952.31	3/4	3,589.98	3/4	3,227.66	3/4	2,865.34	3/4	2,502.98	3/4	2,140.52
10		10		10	4,972.16	10	4,643.68	10	4,300.84	10	3,944.76	10	3,582.44	10	3,220.11	10	2,857.79	10	2,495.43	10	2,132.97
1/4		1/4		1/4	4,965.45	1/4	4,636.67	1/4	4,293.55	1/4	3,937.21	1/4	3,574.89	1/4	3,212.56	1/4	2,850.24	1/4	2,487.88	1/4	2,125.42
1/2		1/2		1/2	4,958.74	1/2	4,629.66	1/2	4,286.27	1/2	3,929.66	1/2	3,567.34	1/2	3,205.02	1/2	2,842.69	1/2	2,480.33	1/2	2,117.87
3/4		3/4		3/4	4,952.04	3/4	4,622.65	3/4	4,278.98	3/4	3,922.11	3/4	3,559.79	3/4	3,197.47	3/4	2,835.14	3/4	2,472.77	3/4	2,110.32
11		11		11	4,945.31	11	4,615.62	11	4,271.67	11	3,914.57	11	3,552.24	11	3,189.92	11	2,827.60	11	2,465.22	11	2,102.77
1/4		1/4		1/4	4,938.58	1/4	4,608.58	1/4	4,264.36	1/4	3,907.02	1/4	3,544.69	1/4	3,182.37	1/4	2,820.05	1/4	2,457.67	1/4	2,095.21
1/2		1/2		1/2	4,931.85	1/2	4,601.55	1/2	4,257.05	1/2	3,899.47	1/2	3,537.15	1/2	3,174.82	1/2	2,812.50	1/2	2,450.12	1/2	2,087.66
3/4		3/4		3/4	4,925.12	3/4	4,594.52	3/4	4,249.74	3/4	3,891.92	3/4	3,529.60	3/4	3,167.27	3/4	2,804.95	3/4	2,442.57	3/4	2,080.11

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 TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 43'-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 322"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	2,072.56	0	1,710.10	0	1,347.65	0	985.60	0	623.24	0	260.80	0		0		0		0	
1/4	2,065.01	1/4	1,702.55	1/4	1,340.09	1/4	978.06	1/4	615.69	1/4	253.25	1/4		1/4		1/4		1/4	
1/2	2,057.46	1/2	1,695.00	1/2	1,332.54	1/2	970.52	1/2	608.14	1/2	245.70	1/2		1/2		1/2		1/2	
3/4	2,049.91	3/4	1,687.45	3/4	1,324.99	3/4	962.99	3/4	600.59	3/4	238.15	3/4		3/4		3/4		3/4	
1	2,042.36	1	1,679.90	1	1,317.44	1	955.45	1	593.04	1	230.60	1		1		1		1	
1/4	2,034.80	1/4	1,672.35	1/4	1,309.89	1/4	947.91	1/4	585.49	1/4	223.05	1/4		1/4		1/4		1/4	
1/2	2,027.25	1/2	1,664.80	1/2	1,302.34	1/2	940.37	1/2	577.94	1/2	215.49	1/2		1/2		1/2		1/2	
3/4	2,019.70	3/4	1,657.24	3/4	1,294.79	3/4	932.83	3/4	570.39	3/4	207.94	3/4		3/4		3/4		3/4	
2	2,012.15	2	1,649.69	2	1,287.24	2	925.28	2	562.84	2	200.39	2		2		2		2	
1/4	2,004.60	1/4	1,642.14	1/4	1,279.68	1/4	917.73	1/4	555.28	1/4	192.84	1/4		1/4		1/4		1/4	
1/2	1,997.05	1/2	1,634.59	1/2	1,272.13	1/2	910.18	1/2	547.73	1/2	185.29	1/2		1/2		1/2		1/2	
3/4	1,989.50	3/4	1,627.04	3/4	1,264.58	3/4	902.63	3/4	540.18	3/4	177.74	3/4		3/4		3/4		3/4	
3	1,981.95	3	1,619.49	3	1,257.03	3	895.08	3	532.63	3	170.19	3		3		3		3	
1/4	1,974.39	1/4	1,611.94	1/4	1,249.48	1/4	887.52	1/4	525.08	1/4	162.64	1/4		1/4		1/4		1/4	
1/2	1,966.84	1/2	1,604.39	1/2	1,241.93	1/2	879.97	1/2	517.53	1/2	155.09	1/2		1/2		1/2		1/2	
3/4	1,959.29	3/4	1,596.83	3/4	1,234.38	3/4	872.42	3/4	509.98	3/4	147.54	3/4		3/4		3/4		3/4	
4	1,951.74	4	1,589.28	4	1,226.84	4	864.87	4	502.43	4	139.99	4		4		4		4	
1/4	1,944.19	1/4	1,581.73	1/4	1,219.30	1/4	857.32	1/4	494.88	1/4	132.43	1/4		1/4		1/4		1/4	
1/2	1,936.64	1/2	1,574.18	1/2	1,211.77	1/2	849.77	1/2	487.33	1/2	124.88	1/2		1/2		1/2		1/2	
3/4	1,929.09	3/4	1,566.63	3/4	1,204.23	3/4	842.22	3/4	479.78	3/4	117.33	3/4		3/4		3/4		3/4	
5	1,921.54	5	1,559.08	5	1,196.69	5	834.67	5	472.23	5	109.86	5		5		5		5	
1/4	1,913.99	1/4	1,551.53	1/4	1,189.15	1/4	827.12	1/4	464.67	1/4	102.39	1/4		1/4		1/4		1/4	
1/2	1,906.43	1/2	1,543.98	1/2	1,181.61	1/2	819.57	1/2	457.12	1/2	94.92	1/2		1/2		1/2		1/2	
3/4	1,898.88	3/4	1,536.43	3/4	1,174.07	3/4	812.02	3/4	449.57	3/4	87.44	3/4		3/4		3/4		3/4	
6	1,891.33	6	1,528.87	6	1,166.53	6	804.46	6	442.02	6	80.68	6		6		6		6	
1/4	1,883.78	1/4	1,521.32	1/4	1,158.99	1/4	796.91	1/4	434.47	1/4	73.92	1/4		1/4		1/4		1/4	
1/2	1,876.23	1/2	1,513.77	1/2	1,151.46	1/2	789.36	1/2	426.92	1/2	67.15	1/2		1/2		1/2		1/2	
3/4	1,868.68	3/4	1,506.22	3/4	1,143.92	3/4	781.81	3/4	419.37	3/4	60.39	3/4		3/4		3/4		3/4	
7	1,861.13	7	1,498.67	7	1,136.38	7	774.26	7	411.82	7	54.88	7		7		7		7	
1/4	1,853.58	1/4	1,491.12	1/4	1,128.84	1/4	766.71	1/4	404.27	1/4	49.38	1/4		1/4		1/4		1/4	
1/2	1,846.02	1/2	1,483.57	1/2	1,121.30	1/2	759.16	1/2	396.72	1/2	43.87	1/2		1/2		1/2		1/2	
3/4	1,838.47	3/4	1,476.02	3/4	1,113.76	3/4	751.61	3/4	389.17	3/4	38.37	3/4		3/4		3/4		3/4	
8	1,830.92	8	1,468.46	8	1,106.22	8	744.06	8	381.61	8	34.12	8		8		8		8	
1/4	1,823.37	1/4	1,460.91	1/4	1,098.68	1/4	736.51	1/4	374.06	1/4	29.88	1/4		1/4		1/4		1/4	
1/2	1,815.82	1/2	1,453.36	1/2	1,091.15	1/2	728.96	1/2	366.51	1/2	25.63	1/2		1/2		1/2		1/2	
3/4	1,808.27	3/4	1,445.81	3/4	1,083.61	3/4	721.40	3/4	358.96	3/4	21.38	3/4		3/4		3/4		3/4	
9	1,800.72	9	1,438.26	9	1,076.07	9	713.85	9	351.41	9		9		9		9		9	
1/4	1,793.17	1/4	1,430.71	1/4	1,068.53	1/4	706.30	1/4	343.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,785.61	1/2	1,423.16	1/2	1,060.99	1/2	698.75	1/2	336.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,778.06	3/4	1,415.61	3/4	1,053.45	3/4	691.20	3/4	328.76	3/4		3/4		3/4		3/4		3/4	
10	1,770.51	10	1,408.05	10	1,045.91	10	683.65	10	321.21	10		10		10		10		10	
1/4	1,762.96	1/4	1,400.50	1/4	1,038.37	1/4	676.10	1/4	313.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,755.41	1/2	1,392.95	1/2	1,030.83	1/2	668.55	1/2	306.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,747.86	3/4	1,385.40	3/4	1,023.30	3/4	661.00	3/4	298.55	3/4		3/4		3/4		3/4		3/4	
11	1,740.31	11	1,377.85	11	1,015.76	11	653.45	11	291.00	11		11		11		11		11	
1/4	1,732.76	1/4	1,370.30	1/4	1,008.22	1/4	645.90	1/4	283.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,725.21	1/2	1,362.75	1/2	1,000.68	1/2	638.34	1/2	275.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,717.65	3/4	1,355.20	3/4	993.14	3/4	630.79	3/4	268.35	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2022 JS  
CALCULATED: 12/22/2022 CL  
PRINTED: 12/23/2022 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2022

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



# BARGE "DBL 322"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

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	4,881.21	0	4,550.23	0	4,205.17	0	3,847.27	0	3,485.51	0	3,123.76	0	2,762.01	0	2,400.17
1/4		1/4	5,186.62	1/4	4,874.47	1/4	4,543.19	1/4	4,197.85	1/4	3,839.73	1/4	3,477.98	1/4	3,116.23	1/4	2,754.47	1/4	2,392.63
1/2		1/2	5,181.51	1/2	4,867.71	1/2	4,536.12	1/2	4,190.51	1/2	3,832.19	1/2	3,470.44	1/2	3,108.69	1/2	2,746.94	1/2	2,385.09
3/4		3/4	5,176.41	3/4	4,860.95	3/4	4,529.05	3/4	4,183.16	3/4	3,824.66	3/4	3,462.90	3/4	3,101.15	3/4	2,739.40	3/4	2,377.55
1		1	5,171.30	1	4,854.18	1	4,521.98	1	4,175.82	1	3,817.12	1	3,455.37	1	3,093.62	1	2,731.86	1	2,370.01
1/4		1/4	5,166.19	1/4	4,847.42	1/4	4,514.91	1/4	4,168.48	1/4	3,809.58	1/4	3,447.83	1/4	3,086.08	1/4	2,724.33	1/4	2,362.47
1/2		1/2	5,159.87	1/2	4,840.63	1/2	4,507.82	1/2	4,161.11	1/2	3,802.05	1/2	3,440.29	1/2	3,078.54	1/2	2,716.79	1/2	2,354.94
3/4		3/4	5,153.56	3/4	4,833.85	3/4	4,500.73	3/4	4,153.74	3/4	3,794.51	3/4	3,432.76	3/4	3,071.01	3/4	2,709.25	3/4	2,347.40
2		2	5,147.24	2	4,827.06	2	4,493.64	2	4,146.38	2	3,786.97	2	3,425.22	2	3,063.47	2	2,701.72	2	2,339.86
1/4		1/4	5,140.92	1/4	4,820.28	1/4	4,486.55	1/4	4,139.01	1/4	3,779.44	1/4	3,417.69	1/4	3,055.93	1/4	2,694.18	1/4	2,332.32
1/2		1/2	5,133.74	1/2	4,813.47	1/2	4,479.44	1/2	4,131.62	1/2	3,771.90	1/2	3,410.15	1/2	3,048.40	1/2	2,686.64	1/2	2,324.78
3/4		3/4	5,126.55	3/4	4,806.66	3/4	4,472.32	3/4	4,124.23	3/4	3,764.36	3/4	3,402.61	3/4	3,040.86	3/4	2,679.11	3/4	2,317.24
3		3	5,119.37	3	4,799.85	3	4,465.21	3	4,116.84	3	3,756.83	3	3,395.08	3	3,033.32	3	2,671.57	3	2,309.70
1/4		1/4	5,112.19	1/4	4,793.04	1/4	4,458.09	1/4	4,109.45	1/4	3,749.29	1/4	3,387.54	1/4	3,025.79	1/4	2,664.04	1/4	2,302.16
1/2		1/2	5,105.70	1/2	4,786.21	1/2	4,450.96	1/2	4,102.04	1/2	3,741.75	1/2	3,380.00	1/2	3,018.25	1/2	2,656.50	1/2	2,294.62
3/4		3/4	5,099.22	3/4	4,779.38	3/4	4,443.82	3/4	4,094.62	3/4	3,734.22	3/4	3,372.47	3/4	3,010.71	3/4	2,648.96	3/4	2,287.08
4		4	5,092.73	4	4,772.55	4	4,436.68	4	4,087.21	4	3,726.68	4	3,364.93	4	3,003.18	4	2,641.43	4	2,279.54
1/4		1/4	5,086.24	1/4	4,765.71	1/4	4,429.55	1/4	4,079.80	1/4	3,719.15	1/4	3,357.39	1/4	2,995.64	1/4	2,633.89	1/4	2,272.00
1/2		1/2	5,079.73	1/2	4,758.86	1/2	4,422.39	1/2	4,072.36	1/2	3,711.61	1/2	3,349.86	1/2	2,988.10	1/2	2,626.35	1/2	2,264.47
3/4		3/4	5,073.22	3/4	4,752.00	3/4	4,415.23	3/4	4,064.93	3/4	3,704.07	3/4	3,342.32	3/4	2,980.57	3/4	2,618.81	3/4	2,256.93
5		5	5,066.71	5	4,745.15	5	4,408.07	5	4,057.49	5	3,696.54	5	3,334.78	5	2,973.03	5	2,611.27	5	2,249.39
1/4		1/4	5,060.20	1/4	4,738.29	1/4	4,400.91	1/4	4,050.05	1/4	3,689.00	1/4	3,327.25	1/4	2,965.50	1/4	2,603.73	1/4	2,241.85
1/2		1/2	5,053.67	1/2	4,731.42	1/2	4,393.72	1/2	4,042.60	1/2	3,681.46	1/2	3,319.71	1/2	2,957.96	1/2	2,596.19	1/2	2,234.31
3/4		3/4	5,047.14	3/4	4,724.54	3/4	4,386.54	3/4	4,035.14	3/4	3,673.93	3/4	3,312.17	3/4	2,950.42	3/4	2,588.65	3/4	2,226.77
6		6	5,040.61	6	4,717.66	6	4,379.36	6	4,027.68	6	3,666.39	6	3,304.64	6	2,942.89	6	2,581.11	6	2,219.23
1/4		1/4	5,034.07	1/4	4,710.78	1/4	4,372.17	1/4	4,020.22	1/4	3,658.85	1/4	3,297.10	1/4	2,935.35	1/4	2,573.57	1/4	2,211.69
1/2		1/2	5,027.52	1/2	4,703.88	1/2	4,364.97	1/2	4,012.74	1/2	3,651.32	1/2	3,289.56	1/2	2,927.81	1/2	2,566.03	1/2	2,204.15
3/4		3/4	5,020.96	3/4	4,696.97	3/4	4,357.76	3/4	4,005.26	3/4	3,643.78	3/4	3,282.03	3/4	2,920.28	3/4	2,558.49	3/4	2,196.61
7		7	5,014.41	7	4,690.07	7	4,350.56	7	3,997.77	7	3,636.24	7	3,274.49	7	2,912.74	7	2,550.95	7	2,189.07
1/4		1/4	5,007.85	1/4	4,683.17	1/4	4,343.35	1/4	3,990.29	1/4	3,628.71	1/4	3,266.96	1/4	2,905.20	1/4	2,543.42	1/4	2,181.53
1/2		1/2	5,001.27	1/2	4,676.21	1/2	4,336.12	1/2	3,982.79	1/2	3,621.17	1/2	3,259.42	1/2	2,897.67	1/2	2,535.88	1/2	2,173.99
3/4		3/4	4,994.69	3/4	4,669.26	3/4	4,328.89	3/4	3,975.28	3/4	3,613.63	3/4	3,251.88	3/4	2,890.13	3/4	2,528.34	3/4	2,166.46
8		8	4,988.11	8	4,662.31	8	4,321.66	8	3,967.78	8	3,606.10	8	3,244.35	8	2,882.59	8	2,520.80	8	2,158.92
1/4		1/4	4,981.54	1/4	4,655.35	1/4	4,314.44	1/4	3,960.27	1/4	3,598.56	1/4	3,236.81	1/4	2,875.06	1/4	2,513.26	1/4	2,151.38
1/2		1/2	4,974.93	1/2	4,648.38	1/2	4,307.18	1/2	3,952.75	1/2	3,591.02	1/2	3,229.27	1/2	2,867.52	1/2	2,505.72	1/2	2,143.84
3/4		3/4	4,968.31	3/4	4,641.40	3/4	4,299.93	3/4	3,945.22	3/4	3,583.49	3/4	3,221.74	3/4	2,859.98	3/4	2,498.18	3/4	2,136.30
9		9	4,961.70	9	4,634.43	9	4,292.68	9	3,937.69	9	3,575.95	9	3,214.20	9	2,852.45	9	2,490.64	9	2,128.76
1/4		1/4	4,955.09	1/4	4,627.45	1/4	4,285.43	1/4	3,930.17	1/4	3,568.42	1/4	3,206.66	1/4	2,844.91	1/4	2,484.10	1/4	2,121.22
1/2		1/2	4,948.40	1/2	4,620.45	1/2	4,278.15	1/2	3,922.63	1/2	3,560.88	1/2	3,199.13	1/2	2,837.37	1/2	2,475.56	1/2	2,113.68
3/4		3/4	4,941.70	3/4	4,613.45	3/4	4,270.88	3/4	3,915.09	3/4	3,553.34	3/4	3,191.59	3/4	2,829.84	3/4	2,468.02	3/4	2,106.14
10		10	4,935.00	10	4,606.45	10	4,263.60	10	3,907.56	10	3,545.81	10	3,184.05	10	2,822.30	10	2,460.48	10	2,098.60
1/4		1/4	4,928.31	1/4	4,599.45	1/4	4,256.33	1/4	3,900.02	1/4	3,538.27	1/4	3,176.52	1/4	2,814.77	1/4	2,452.95	1/4	2,091.06
1/2		1/2	4,921.59	1/2	4,592.43	1/2	4,249.03	1/2	3,892.48	1/2	3,530.73	1/2	3,168.98	1/2	2,807.23	1/2	2,445.41	1/2	2,083.52
3/4		3/4	4,914.87	3/4	4,585.41	3/4	4,241.73	3/4	3,884.95	3/4	3,523.20	3/4	3,161.44	3/4	2,799.69	3/4	2,437.87	3/4	2,075.99
11		11	4,908.15	11	4,578.39	11	4,234.43	11	3,877.41	11	3,515.66	11	3,153.91	11	2,792.16	11	2,430.33	11	2,068.45
1/4		1/4	4,901.43	1/4	4,571.37	1/4	4,227.14	1/4	3,869.88	1/4	3,508.12	1/4	3,146.37	1/4	2,784.62	1/4	2,422.79	1/4	2,060.91
1/2		1/2	4,894.69	1/2	4,564.32	1/2	4,219.82	1/2	3,862.34	1/2	3,500.59	1/2	3,138.83	1/2	2,777.08	1/2	2,415.25	1/2	2,053.37
3/4		3/4	4,887.95	3/4	4,557.28	3/4	4,212.49	3/4	3,854.80	3/4	3,493.05	3/4	3,131.30	3/4	2,769.55	3/4	2,407.71	3/4	2,045.83

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 TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 43'-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 322"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,038.29	0	1,676.41	0	1,314.53	0	966.17	0	607.18	0	245.31	0		0		0		0	
1/4	2,030.75	1/4	1,668.87	1/4	1,306.99	1/4	958.98	1/4	599.64	1/4	237.77	1/4		1/4		1/4		1/4	
1/2	2,023.21	1/2	1,661.33	1/2	1,299.45	1/2	951.78	1/2	592.10	1/2	230.23	1/2		1/2		1/2		1/2	
3/4	2,015.67	3/4	1,653.79	3/4	1,291.91	3/4	944.58	3/4	584.56	3/4	222.69	3/4		3/4		3/4		3/4	
1	2,008.13	1	1,646.25	1	1,284.37	1	937.39	1	577.02	1	215.15	1		1		1		1	
1/4	2,000.59	1/4	1,638.71	1/4	1,276.83	1/4	930.19	1/4	569.48	1/4	207.61	1/4		1/4		1/4		1/4	
1/2	1,993.05	1/2	1,631.17	1/2	1,269.33	1/2	922.94	1/2	561.94	1/2	200.07	1/2		1/2		1/2		1/2	
3/4	1,985.51	3/4	1,623.63	3/4	1,261.83	3/4	915.69	3/4	554.40	3/4	192.53	3/4		3/4		3/4		3/4	
2	1,977.98	2	1,616.09	2	1,254.34	2	908.45	2	546.87	2	184.99	2		2		2		2	
1/4	1,970.44	1/4	1,608.55	1/4	1,246.84	1/4	901.20	1/4	539.33	1/4	177.45	1/4		1/4		1/4		1/4	
1/2	1,962.90	1/2	1,601.02	1/2	1,239.33	1/2	893.66	1/2	531.79	1/2	169.92	1/2		1/2		1/2		1/2	
3/4	1,955.36	3/4	1,593.48	3/4	1,232.43	3/4	886.12	3/4	524.25	3/4	162.38	3/4		3/4		3/4		3/4	
3	1,947.82	3	1,585.94	3	1,225.22	3	878.58	3	516.71	3	154.84	3		3		3		3	
1/4	1,940.28	1/4	1,578.40	1/4	1,218.02	1/4	871.04	1/4	509.17	1/4	147.30	1/4		1/4		1/4		1/4	
1/2	1,932.74	1/2	1,570.86	1/2	1,210.82	1/2	863.50	1/2	501.63	1/2	139.76	1/2		1/2		1/2		1/2	
3/4	1,925.20	3/4	1,563.32	3/4	1,203.63	3/4	855.96	3/4	494.09	3/4	132.22	3/4		3/4		3/4		3/4	
4	1,917.66	4	1,555.78	4	1,196.43	4	848.43	4	486.55	4	124.68	4		4		4		4	
1/4	1,910.12	1/4	1,548.24	1/4	1,189.23	1/4	840.89	1/4	479.01	1/4	117.14	1/4		1/4		1/4		1/4	
1/2	1,902.58	1/2	1,540.70	1/2	1,182.04	1/2	833.35	1/2	471.48	1/2	109.68	1/2		1/2		1/2		1/2	
3/4	1,895.04	3/4	1,533.16	3/4	1,174.84	3/4	825.81	3/4	463.94	3/4	102.22	3/4		3/4		3/4		3/4	
5	1,887.51	5	1,525.62	5	1,167.65	5	818.27	5	456.40	5	94.76	5		5		5		5	
1/4	1,879.97	1/4	1,518.08	1/4	1,160.45	1/4	810.73	1/4	448.86	1/4	87.30	1/4		1/4		1/4		1/4	
1/2	1,872.43	1/2	1,510.55	1/2	1,153.26	1/2	803.19	1/2	441.32	1/2	80.55	1/2		1/2		1/2		1/2	
3/4	1,864.89	3/4	1,503.01	3/4	1,146.06	3/4	795.65	3/4	433.78	3/4	73.79	3/4		3/4		3/4		3/4	
6	1,857.35	6	1,495.47	6	1,138.87	6	788.11	6	426.24	6	67.04	6		6		6		6	
1/4	1,849.81	1/4	1,487.93	1/4	1,131.67	1/4	780.57	1/4	418.70	1/4	60.29	1/4		1/4		1/4		1/4	
1/2	1,842.27	1/2	1,480.39	1/2	1,124.47	1/2	773.04	1/2	411.16	1/2	54.79	1/2		1/2		1/2		1/2	
3/4	1,834.73	3/4	1,472.85	3/4	1,117.28	3/4	765.50	3/4	403.62	3/4	49.29	3/4		3/4		3/4		3/4	
7	1,827.19	7	1,465.31	7	1,110.08	7	757.96	7	396.09	7	43.80	7		7		7		7	
1/4	1,819.65	1/4	1,457.77	1/4	1,102.89	1/4	750.42	1/4	388.55	1/4	38.30	1/4		1/4		1/4		1/4	
1/2	1,812.11	1/2	1,450.23	1/2	1,095.69	1/2	742.88	1/2	381.01	1/2	34.06	1/2		1/2		1/2		1/2	
3/4	1,804.57	3/4	1,442.69	3/4	1,088.50	3/4	735.34	3/4	373.47	3/4	29.82	3/4		3/4		3/4		3/4	
8	1,797.03	8	1,435.15	8	1,081.30	8	727.80	8	365.93	8	25.58	8		8		8		8	
1/4	1,789.50	1/4	1,427.61	1/4	1,074.11	1/4	720.26	1/4	358.39	1/4	21.35	1/4		1/4		1/4		1/4	
1/2	1,781.96	1/2	1,420.07	1/2	1,066.91	1/2	712.72	1/2	350.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,774.42	3/4	1,412.54	3/4	1,059.72	3/4	705.18	3/4	343.31	3/4		3/4		3/4		3/4		3/4	
9	1,766.88	9	1,405.00	9	1,052.52	9	697.65	9	335.77	9		9		9		9		9	
1/4	1,759.34	1/4	1,397.46	1/4	1,045.32	1/4	690.11	1/4	328.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,751.80	1/2	1,389.92	1/2	1,038.13	1/2	682.57	1/2	320.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,744.26	3/4	1,382.38	3/4	1,030.93	3/4	675.03	3/4	313.16	3/4		3/4		3/4		3/4		3/4	
10	1,736.72	10	1,374.84	10	1,023.74	10	667.49	10	305.62	10		10		10		10		10	
1/4	1,729.18	1/4	1,367.30	1/4	1,016.54	1/4	659.95	1/4	298.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,721.64	1/2	1,359.76	1/2	1,009.35	1/2	652.41	1/2	290.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,714.10	3/4	1,352.22	3/4	1,002.15	3/4	644.87	3/4	283.00	3/4		3/4		3/4		3/4		3/4	
11	1,706.56	11	1,344.68	11	994.96	11	637.33	11	275.46	11		11		11		11		11	
1/4	1,699.03	1/4	1,337.14	1/4	987.76	1/4	629.79	1/4	267.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,691.49	1/2	1,329.60	1/2	980.56	1/2	622.26	1/2	260.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,683.95	3/4	1,322.07	3/4	973.37	3/4	614.72	3/4	252.84	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2022 JS  
CALCULATED: 12/22/2022 CL  
PRINTED: 12/23/2022 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2022

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



# BARGE "DBL 322"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

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	4,254.33	0	4,076.77	0	3,891.68	0	3,699.67	0	3,496.88	0	3,137.98	0	2,777.81	0	2,417.03
1/4		1/4		1/4	4,250.71	1/4	4,072.99	1/4	3,887.75	1/4	3,695.62	1/4	3,489.40	1/4	3,130.48	1/4	2,770.30	1/4	2,409.52
1/2		1/2	4,408.02	1/2	4,247.09	1/2	4,069.21	1/2	3,883.82	1/2	3,691.58	1/2	3,481.91	1/2	3,122.97	1/2	2,762.78	1/2	2,402.00
3/4		3/4	4,406.36	3/4	4,243.46	3/4	4,065.42	3/4	3,879.88	3/4	3,687.53	3/4	3,474.43	3/4	3,115.47	3/4	2,755.26	3/4	2,394.48
1		1	4,404.71	1	4,239.83	1	4,061.62	1	3,875.94	1	3,683.49	1	3,466.94	1	3,107.97	1	2,747.75	1	2,386.97
1/4		1/4	4,403.05	1/4	4,236.20	1/4	4,057.83	1/4	3,872.00	1/4	3,679.44	1/4	3,459.46	1/4	3,100.47	1/4	2,740.23	1/4	2,379.45
1/2		1/2	4,401.40	1/2	4,232.56	1/2	4,054.03	1/2	3,868.05	1/2	3,675.39	1/2	3,451.98	1/2	3,092.96	1/2	2,732.72	1/2	2,371.93
3/4		3/4	4,398.52	3/4	4,228.92	3/4	4,050.23	3/4	3,864.10	3/4	3,671.35	3/4	3,444.49	3/4	3,085.46	3/4	2,725.20	3/4	2,364.42
2		2	4,395.64	2	4,225.28	2	4,046.42	2	3,860.14	2	3,667.30	2	3,437.01	2	3,077.96	2	2,717.69	2	2,356.90
1/4		1/4	4,392.76	1/4	4,221.63	1/4	4,042.61	1/4	3,856.19	1/4	3,663.26	1/4	3,429.52	1/4	3,070.45	1/4	2,710.17	1/4	2,349.38
1/2		1/2	4,389.89	1/2	4,217.99	1/2	4,038.80	1/2	3,852.23	1/2	3,659.21	1/2	3,422.04	1/2	3,062.95	1/2	2,702.66	1/2	2,341.87
3/4		3/4	4,386.09	3/4	4,214.33	3/4	4,034.99	3/4	3,848.27	3/4	3,655.17	3/4	3,414.56	3/4	3,055.45	3/4	2,695.14	3/4	2,334.35
3		3	4,382.30	3	4,210.68	3	4,031.17	3	3,844.30	3	3,651.12	3	3,407.07	3	3,047.95	3	2,686.63	3	2,326.83
1/4		1/4	4,378.50	1/4	4,207.02	1/4	4,027.35	1/4	3,840.33	1/4	3,647.07	1/4	3,399.59	1/4	3,040.44	1/4	2,680.11	1/4	2,319.32
1/2		1/2	4,374.71	1/2	4,203.36	1/2	4,023.53	1/2	3,836.37	1/2	3,643.03	1/2	3,392.10	1/2	3,032.94	1/2	2,672.59	1/2	2,311.80
3/4		3/4	4,371.23	3/4	4,199.69	3/4	4,019.70	3/4	3,832.39	3/4	3,638.98	3/4	3,384.62	3/4	3,025.44	3/4	2,665.08	3/4	2,304.28
4		4	4,367.75	4	4,196.02	4	4,015.87	4	3,828.41	4	3,634.94	4	3,377.14	4	3,017.94	4	2,657.56	4	2,296.76
1/4		1/4	4,364.26	1/4	4,192.36	1/4	4,012.03	1/4	3,824.43	1/4	3,630.89	1/4	3,369.65	1/4	3,010.43	1/4	2,650.05	1/4	2,289.25
1/2		1/2	4,360.78	1/2	4,188.69	1/2	4,008.20	1/2	3,820.45	1/2	3,626.85	1/2	3,362.17	1/2	3,002.93	1/2	2,642.53	1/2	2,281.73
3/4		3/4	4,357.29	3/4	4,185.01	3/4	4,004.36	3/4	3,816.46	3/4	3,622.80	3/4	3,354.69	3/4	2,995.43	3/4	2,635.02	3/4	2,274.21
5		5	4,353.79	5	4,181.32	5	4,000.52	5	3,812.47	5	3,618.75	5	3,347.20	5	2,987.92	5	2,627.50	5	2,266.70
1/4		1/4	4,350.30	1/4	4,177.64	1/4	3,996.67	1/4	3,808.47	1/4	3,614.71	1/4	3,339.72	1/4	2,980.42	1/4	2,619.99	1/4	2,259.18
1/2		1/2	4,346.80	1/2	4,173.96	1/2	3,992.83	1/2	3,804.48	1/2	3,610.66	1/2	3,332.24	1/2	2,972.92	1/2	2,612.47	1/2	2,251.66
3/4		3/4	4,343.30	3/4	4,170.27	3/4	3,988.97	3/4	3,800.48	3/4	3,606.62	3/4	3,324.77	3/4	2,965.42	3/4	2,604.96	3/4	2,244.15
6		6	4,339.79	6	4,166.58	6	3,985.12	6	3,796.47	6	3,602.57	6	3,317.30	6	2,957.91	6	2,597.44	6	2,236.63
1/4		1/4	4,336.28	1/4	4,162.88	1/4	3,981.26	1/4	3,792.47	1/4	3,598.53	1/4	3,309.84	1/4	2,950.41	1/4	2,590.92	1/4	2,229.11
1/2		1/2	4,332.78	1/2	4,159.19	1/2	3,977.40	1/2	3,788.47	1/2	3,594.48	1/2	3,302.37	1/2	2,942.91	1/2	2,582.41	1/2	2,221.60
3/4		3/4	4,329.26	3/4	4,155.48	3/4	3,973.54	3/4	3,784.45	3/4	3,590.44	3/4	3,294.90	3/4	2,935.41	3/4	2,574.89	3/4	2,214.08
7		7	4,325.74	7	4,151.77	7	3,969.67	7	3,780.43	7	3,586.39	7	3,287.43	7	2,927.90	7	2,567.37	7	2,206.56
1/4		1/4	4,322.22	1/4	4,148.07	1/4	3,965.80	1/4	3,776.42	1/4	3,582.34	1/4	3,279.96	1/4	2,920.40	1/4	2,559.86	1/4	2,199.04
1/2		1/2	4,318.70	1/2	4,144.36	1/2	3,961.93	1/2	3,772.40	1/2	3,578.30	1/2	3,272.49	1/2	2,912.90	1/2	2,552.34	1/2	2,191.53
3/4		3/4	4,315.17	3/4	4,140.62	3/4	3,958.05	3/4	3,768.37	3/4	3,574.25	3/4	3,265.03	3/4	2,905.40	3/4	2,544.82	3/4	2,184.01
8		8	4,311.64	8	4,136.89	8	3,954.17	8	3,764.34	8	3,570.21	8	3,257.56	8	2,897.89	8	2,537.31	8	2,176.49
1/4		1/4	4,308.10	1/4	4,133.16	1/4	3,950.29	1/4	3,760.31	1/4	3,566.16	1/4	3,250.09	1/4	2,890.39	1/4	2,529.79	1/4	2,168.98
1/2		1/2	4,304.57	1/2	4,129.43	1/2	3,946.41	1/2	3,756.29	1/2	3,562.12	1/2	3,242.62	1/2	2,882.89	1/2	2,522.27	1/2	2,161.46
3/4		3/4	4,301.02	3/4	4,125.68	3/4	3,942.51	3/4	3,752.25	3/4	3,558.07	3/4	3,235.15	3/4	2,875.38	3/4	2,514.75	3/4	2,153.94
9		9	4,297.48	9	4,121.94	9	3,938.62	9	3,748.21	9	3,554.02	9	3,227.68	9	2,867.88	9	2,507.24	9	2,146.43
1/4		1/4	4,293.93	1/4	4,118.19	1/4	3,934.73	1/4	3,744.17	1/4	3,549.98	1/4	3,220.22	1/4	2,860.38	1/4	2,499.72	1/4	2,138.91
1/2		1/2	4,290.38	1/2	4,114.45	1/2	3,930.84	1/2	3,740.13	1/2	3,545.93	1/2	3,212.75	1/2	2,852.88	1/2	2,492.20	1/2	2,131.39
3/4		3/4	4,286.78	3/4	4,110.69	3/4	3,926.93	3/4	3,736.08	3/4	3,541.89	3/4	3,205.28	3/4	2,845.37	3/4	2,484.69	3/4	2,123.88
10		10	4,283.19	10	4,106.93	10	3,923.02	10	3,732.03	10	3,537.84	10	3,197.81	10	2,837.87	10	2,477.17	10	2,116.36
1/4		1/4	4,279.59	1/4	4,103.17	1/4	3,919.12	1/4	3,727.99	1/4	3,533.80	1/4	3,190.34	1/4	2,830.37	1/4	2,469.65	1/4	2,108.84
1/2		1/2	4,276.00	1/2	4,099.42	1/2	3,915.21	1/2	3,723.94	1/2	3,529.75	1/2	3,182.87	1/2	2,822.87	1/2	2,462.14	1/2	2,101.33
3/4		3/4	4,272.39	3/4	4,095.65	3/4	3,911.30	3/4	3,719.90	3/4	3,525.27	3/4	3,175.40	3/4	2,815.36	3/4	2,454.62	3/4	2,093.81
11		11	4,268.78	11	4,091.88	11	3,907.38	11	3,715.85	11	3,520.80	11	3,167.93	11	2,807.86	11	2,447.10	11	2,086.29
1/4		1/4	4,265.18	1/4	4,088.11	1/4	3,903.46	1/4	3,711.81	1/4	3,516.32	1/4	3,160.46	1/4	2,800.35	1/4	2,439.59	1/4	2,078.77
1/2		1/2	4,261.57	1/2	4,084.34	1/2	3,899.54	1/2	3,707.76	1/2	3,511.85	1/2	3,152.98	1/2	2,792.85	1/2	2,432.07	1/2	2,071.26
3/4		3/4	4,257.95	3/4	4,080.56	3/4	3,895.61	3/4	3,703.71	3/4	3,504.36	3/4	3,145.48	3/4	2,785.33	3/4	2,424.55	3/4	2,063.74

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 TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 56'-08" 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 322"

## 3 PORT 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	2,056.22	0	1,695.33	0	1,334.44	0	973.84	0	613.04	0	252.16	0		0		0		0	
1/4	2,048.70	1/4	1,687.81	1/4	1,326.92	1/4	966.33	1/4	605.52	1/4	244.64	1/4		1/4		1/4		1/4	
1/2	2,041.18	1/2	1,680.29	1/2	1,319.40	1/2	958.82	1/2	598.00	1/2	237.12	1/2		1/2		1/2		1/2	
3/4	2,033.67	3/4	1,672.77	3/4	1,311.88	3/4	951.32	3/4	590.48	3/4	229.60	3/4		3/4		3/4		3/4	
1	2,026.15	1	1,665.25	1	1,304.36	1	943.81	1	582.96	1	222.08	1		1		1		1	
1/4	2,018.63	1/4	1,657.74	1/4	1,296.84	1/4	936.30	1/4	575.44	1/4	214.57	1/4		1/4		1/4		1/4	
1/2	2,011.11	1/2	1,650.22	1/2	1,289.32	1/2	928.79	1/2	567.93	1/2	207.05	1/2		1/2		1/2		1/2	
3/4	2,003.59	3/4	1,642.70	3/4	1,281.81	3/4	921.27	3/4	560.41	3/4	199.53	3/4		3/4		3/4		3/4	
2	1,996.07	2	1,635.18	2	1,274.29	2	913.76	2	552.89	2	192.01	2		2		2		2	
1/4	1,988.55	1/4	1,627.66	1/4	1,266.77	1/4	906.24	1/4	545.37	1/4	184.49	1/4		1/4		1/4		1/4	
1/2	1,981.04	1/2	1,620.14	1/2	1,259.25	1/2	898.73	1/2	537.85	1/2	176.97	1/2		1/2		1/2		1/2	
3/4	1,973.52	3/4	1,612.62	3/4	1,251.73	3/4	891.21	3/4	530.33	3/4	169.46	3/4		3/4		3/4		3/4	
3	1,966.00	3	1,605.11	3	1,244.21	3	883.69	3	522.82	3	161.94	3		3		3		3	
1/4	1,958.48	1/4	1,597.59	1/4	1,236.70	1/4	876.18	1/4	515.30	1/4	154.42	1/4		1/4		1/4		1/4	
1/2	1,950.96	1/2	1,590.07	1/2	1,229.18	1/2	868.66	1/2	507.78	1/2	146.90	1/2		1/2		1/2		1/2	
3/4	1,943.44	3/4	1,582.55	3/4	1,221.66	3/4	861.14	3/4	500.26	3/4	139.38	3/4		3/4		3/4		3/4	
4	1,935.92	4	1,575.03	4	1,214.15	4	853.62	4	492.74	4	131.86	4		4		4		4	
1/4	1,928.41	1/4	1,567.51	1/4	1,206.63	1/4	846.10	1/4	485.22	1/4	124.35	1/4		1/4		1/4		1/4	
1/2	1,920.89	1/2	1,559.99	1/2	1,199.12	1/2	838.58	1/2	477.71	1/2	116.83	1/2		1/2		1/2		1/2	
3/4	1,913.37	3/4	1,552.48	3/4	1,191.61	3/4	831.07	3/4	470.19	3/4	109.39	3/4		3/4		3/4		3/4	
5	1,905.85	5	1,544.96	5	1,184.10	5	823.55	5	462.67	5	101.95	5		5		5		5	
1/4	1,898.33	1/4	1,537.44	1/4	1,176.59	1/4	816.03	1/4	455.15	1/4	94.51	1/4		1/4		1/4		1/4	
1/2	1,890.81	1/2	1,529.92	1/2	1,169.08	1/2	808.51	1/2	447.63	1/2	87.07	1/2		1/2		1/2		1/2	
3/4	1,883.29	3/4	1,522.40	3/4	1,161.57	3/4	800.99	3/4	440.11	3/4	80.33	3/4		3/4		3/4		3/4	
6	1,875.78	6	1,514.88	6	1,154.06	6	793.47	6	432.60	6	73.60	6		6		6		6	
1/4	1,868.26	1/4	1,507.36	1/4	1,146.55	1/4	785.96	1/4	425.08	1/4	66.86	1/4		1/4		1/4		1/4	
1/2	1,860.74	1/2	1,499.85	1/2	1,139.05	1/2	778.44	1/2	417.56	1/2	60.13	1/2		1/2		1/2		1/2	
3/4	1,853.22	3/4	1,492.33	3/4	1,131.54	3/4	770.92	3/4	410.04	3/4	54.65	3/4		3/4		3/4		3/4	
7	1,845.70	7	1,484.81	7	1,124.03	7	763.40	7	402.52	7	49.16	7		7		7		7	
1/4	1,838.18	1/4	1,477.29	1/4	1,116.52	1/4	755.88	1/4	395.01	1/4	43.68	1/4		1/4		1/4		1/4	
1/2	1,830.66	1/2	1,469.77	1/2	1,109.01	1/2	748.37	1/2	387.49	1/2	38.20	1/2		1/2		1/2		1/2	
3/4	1,823.15	3/4	1,462.25	3/4	1,101.50	3/4	740.85	3/4	379.97	3/4	33.97	3/4		3/4		3/4		3/4	
8	1,815.63	8	1,454.73	8	1,093.99	8	733.33	8	372.45	8	29.75	8		8		8		8	
1/4	1,808.11	1/4	1,447.22	1/4	1,086.48	1/4	725.81	1/4	364.93	1/4	25.52	1/4		1/4		1/4		1/4	
1/2	1,800.59	1/2	1,439.70	1/2	1,078.97	1/2	718.29	1/2	357.41	1/2	21.29	1/2		1/2		1/2		1/2	
3/4	1,793.07	3/4	1,432.18	3/4	1,071.46	3/4	710.77	3/4	349.90	3/4		3/4		3/4		3/4		3/4	
9	1,785.55	9	1,424.66	9	1,063.95	9	703.26	9	342.38	9		9		9		9		9	
1/4	1,778.03	1/4	1,417.14	1/4	1,056.44	1/4	695.74	1/4	334.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,770.52	1/2	1,409.62	1/2	1,048.94	1/2	688.22	1/2	327.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,763.00	3/4	1,402.10	3/4	1,041.43	3/4	680.70	3/4	319.82	3/4		3/4		3/4		3/4		3/4	
10	1,755.48	10	1,394.59	10	1,033.92	10	673.18	10	312.30	10		10		10		10		10	
1/4	1,747.96	1/4	1,387.07	1/4	1,026.41	1/4	665.66	1/4	304.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,740.44	1/2	1,379.55	1/2	1,018.90	1/2	658.15	1/2	297.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,732.92	3/4	1,372.03	3/4	1,011.39	3/4	650.63	3/4	289.75	3/4		3/4		3/4		3/4		3/4	
11	1,725.40	11	1,364.51	11	1,003.88	11	643.11	11	282.23	11		11		11		11		11	
1/4	1,717.88	1/4	1,356.99	1/4	996.37	1/4	635.59	1/4	274.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,710.37	1/2	1,349.47	1/2	988.86	1/2	628.07	1/2	267.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,702.85	3/4	1,341.95	3/4	981.35	3/4	620.55	3/4	259.68	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2022 JS  
CALCULATED: 12/22/2022 CL  
PRINTED: 12/23/2022 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2022

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



# BARGE "DBL 322"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

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	4,219.73	0	4,043.23	0	3,859.20	0	3,668.26	0	3,466.56	0	3,108.92	0	2,750.21	0	2,390.69
1/4		1/4		1/4	4,216.14	1/4	4,039.47	1/4	3,855.30	1/4	3,664.23	1/4	3,459.10	1/4	3,101.45	1/4	2,742.72	1/4	2,383.20
1/2		1/2	4,372.44	1/2	4,212.54	1/2	4,035.71	1/2	3,851.39	1/2	3,660.21	1/2	3,451.64	1/2	3,093.97	1/2	2,735.23	1/2	2,375.71
3/4		3/4	4,370.80	3/4	4,208.93	3/4	4,031.94	3/4	3,847.47	3/4	3,656.19	3/4	3,444.18	3/4	3,086.49	3/4	2,727.74	3/4	2,368.22
1		1	4,369.16	1	4,205.32	1	4,028.17	1	3,843.55	1	3,652.16	1	3,436.73	1	3,079.02	1	2,720.25	1	2,360.73
1/4		1/4	4,367.53	1/4	4,201.71	1/4	4,024.39	1/4	3,839.63	1/4	3,648.14	1/4	3,429.27	1/4	3,071.54	1/4	2,712.76	1/4	2,353.24
1/2		1/2	4,365.89	1/2	4,198.10	1/2	4,020.62	1/2	3,835.71	1/2	3,644.12	1/2	3,421.81	1/2	3,064.07	1/2	2,705.27	1/2	2,345.75
3/4		3/4	4,363.03	3/4	4,194.48	3/4	4,016.84	3/4	3,831.78	3/4	3,640.09	3/4	3,414.35	3/4	3,056.60	3/4	2,697.78	3/4	2,338.26
2		2	4,360.17	2	4,190.85	2	4,013.05	2	3,827.84	2	3,636.07	2	3,406.90	2	3,049.13	2	2,690.29	2	2,330.77
1/4		1/4	4,357.32	1/4	4,187.23	1/4	4,009.27	1/4	3,823.91	1/4	3,632.05	1/4	3,399.44	1/4	3,041.66	1/4	2,682.80	1/4	2,323.28
1/2		1/2	4,354.46	1/2	4,183.61	1/2	4,005.48	1/2	3,819.98	1/2	3,628.03	1/2	3,391.98	1/2	3,034.19	1/2	2,675.31	1/2	2,315.79
3/4		3/4	4,350.69	3/4	4,179.98	3/4	4,001.69	3/4	3,816.03	3/4	3,624.00	3/4	3,384.52	3/4	3,026.72	3/4	2,667.82	3/4	2,308.30
3		3	4,346.92	3	4,176.34	3	3,997.89	3	3,812.09	3	3,619.98	3	3,377.07	3	3,019.25	3	2,660.34	3	2,300.81
1/4		1/4	4,343.15	1/4	4,172.71	1/4	3,994.09	1/4	3,808.14	1/4	3,615.96	1/4	3,369.61	1/4	3,011.79	1/4	2,652.85	1/4	2,293.32
1/2		1/2	4,339.37	1/2	4,169.07	1/2	3,990.30	1/2	3,804.20	1/2	3,611.93	1/2	3,362.15	1/2	3,004.32	1/2	2,645.36	1/2	2,285.83
3/4		3/4	4,335.91	3/4	4,165.43	3/4	3,986.49	3/4	3,800.24	3/4	3,607.91	3/4	3,354.69	3/4	2,996.85	3/4	2,637.87	3/4	2,278.34
4		4	4,332.45	4	4,161.78	4	3,982.68	4	3,796.29	4	3,603.89	4	3,347.24	4	2,989.38	4	2,630.38	4	2,270.85
1/4		1/4	4,328.99	1/4	4,158.13	1/4	3,978.87	1/4	3,792.33	1/4	3,599.86	1/4	3,339.78	1/4	2,981.91	1/4	2,622.89	1/4	2,263.36
1/2		1/2	4,325.53	1/2	4,154.48	1/2	3,975.06	1/2	3,788.37	1/2	3,595.84	1/2	3,332.32	1/2	2,974.44	1/2	2,615.40	1/2	2,255.87
3/4		3/4	4,322.06	3/4	4,150.83	3/4	3,971.24	3/4	3,784.40	3/4	3,591.82	3/4	3,324.87	3/4	2,966.97	3/4	2,607.91	3/4	2,248.38
5		5	4,318.59	5	4,147.17	5	3,967.42	5	3,780.43	5	3,587.79	5	3,317.41	5	2,959.51	5	2,600.42	5	2,240.89
1/4		1/4	4,315.11	1/4	4,143.51	1/4	3,963.59	1/4	3,776.46	1/4	3,583.77	1/4	3,309.95	1/4	2,952.04	1/4	2,592.93	1/4	2,233.40
1/2		1/2	4,311.64	1/2	4,139.85	1/2	3,959.77	1/2	3,772.49	1/2	3,579.75	1/2	3,302.50	1/2	2,944.57	1/2	2,585.44	1/2	2,225.91
3/4		3/4	4,308.16	3/4	4,136.18	3/4	3,955.94	3/4	3,768.51	3/4	3,575.72	3/4	3,295.06	3/4	2,937.10	3/4	2,577.95	3/4	2,218.42
6		6	4,304.67	6	4,132.50	6	3,952.10	6	3,764.53	6	3,571.70	6	3,287.62	6	2,929.63	6	2,570.46	6	2,210.92
1/4		1/4	4,301.18	1/4	4,128.83	1/4	3,948.27	1/4	3,760.55	1/4	3,567.68	1/4	3,280.17	1/4	2,922.16	1/4	2,562.97	1/4	2,203.43
1/2		1/2	4,297.70	1/2	4,125.16	1/2	3,944.44	1/2	3,756.57	1/2	3,563.65	1/2	3,272.73	1/2	2,914.69	1/2	2,555.48	1/2	2,195.94
3/4		3/4	4,294.20	3/4	4,121.48	3/4	3,940.59	3/4	3,752.57	3/4	3,559.63	3/4	3,265.29	3/4	2,907.22	3/4	2,547.99	3/4	2,188.45
7		7	4,290.70	7	4,117.79	7	3,936.74	7	3,748.58	7	3,555.61	7	3,257.85	7	2,899.75	7	2,540.50	7	2,180.96
1/4		1/4	4,287.21	1/4	4,114.10	1/4	3,932.90	1/4	3,744.58	1/4	3,551.58	1/4	3,250.41	1/4	2,892.29	1/4	2,533.01	1/4	2,173.47
1/2		1/2	4,283.71	1/2	4,110.42	1/2	3,929.05	1/2	3,740.59	1/2	3,547.56	1/2	3,242.96	1/2	2,884.82	1/2	2,525.52	1/2	2,165.98
3/4		3/4	4,280.20	3/4	4,106.71	3/4	3,925.19	3/4	3,736.58	3/4	3,543.54	3/4	3,235.52	3/4	2,877.34	3/4	2,518.03	3/4	2,158.49
8		8	4,276.69	8	4,103.00	8	3,921.34	8	3,732.58	8	3,539.51	8	3,228.08	8	2,869.86	8	2,510.54	8	2,151.00
1/4		1/4	4,273.18	1/4	4,099.29	1/4	3,917.48	1/4	3,728.57	1/4	3,535.49	1/4	3,220.64	1/4	2,862.39	1/4	2,503.05	1/4	2,143.51
1/2		1/2	4,269.67	1/2	4,095.58	1/2	3,913.62	1/2	3,724.57	1/2	3,531.47	1/2	3,213.20	1/2	2,854.91	1/2	2,495.56	1/2	2,136.02
3/4		3/4	4,266.14	3/4	4,091.85	3/4	3,909.75	3/4	3,720.55	3/4	3,527.45	3/4	3,205.75	3/4	2,847.43	3/4	2,488.07	3/4	2,128.53
9		9	4,262.62	9	4,088.13	9	3,905.88	9	3,716.53	9	3,523.42	9	3,198.31	9	2,839.96	9	2,480.58	9	2,121.04
1/4		1/4	4,259.09	1/4	4,084.41	1/4	3,902.01	1/4	3,712.51	1/4	3,519.40	1/4	3,190.87	1/4	2,832.48	1/4	2,473.09	1/4	2,113.55
1/2		1/2	4,255.56	1/2	4,080.68	1/2	3,898.13	1/2	3,708.49	1/2	3,515.38	1/2	3,183.43	1/2	2,825.01	1/2	2,465.60	1/2	2,106.06
3/4		3/4	4,251.99	3/4	4,076.95	3/4	3,894.25	3/4	3,704.47	3/4	3,511.35	3/4	3,175.99	3/4	2,817.53	3/4	2,458.11	3/4	2,098.57
10		10	4,248.42	10	4,073.21	10	3,890.37	10	3,700.44	10	3,507.33	10	3,168.54	10	2,810.05	10	2,450.62	10	2,091.08
1/4		1/4	4,244.84	1/4	4,069.48	1/4	3,886.49	1/4	3,696.42	1/4	3,503.31	1/4	3,161.10	1/4	2,802.58	1/4	2,443.13	1/4	2,083.59
1/2		1/2	4,241.27	1/2	4,065.74	1/2	3,882.60	1/2	3,692.40	1/2	3,499.28	1/2	3,153.66	1/2	2,795.10	1/2	2,435.64	1/2	2,076.10
3/4		3/4	4,237.69	3/4	4,061.99	3/4	3,878.71	3/4	3,688.37	3/4	3,494.83	3/4	3,146.21	3/4	2,787.62	3/4	2,428.15	3/4	2,068.61
11		11	4,234.10	11	4,058.25	11	3,874.81	11	3,684.35	11	3,490.38	11	3,138.77	11	2,780.14	11	2,420.66	11	2,061.12
1/4		1/4	4,230.51	1/4	4,054.50	1/4	3,870.92	1/4	3,680.33	1/4	3,485.92	1/4	3,131.32	1/4	2,772.67	1/4	2,413.17	1/4	2,053.63
1/2		1/2	4,226.93	1/2	4,050.75	1/2	3,867.02	1/2	3,676.30	1/2	3,481.47	1/2	3,123.87	1/2	2,765.19	1/2	2,405.68	1/2	2,046.14
3/4		3/4	4,223.33	3/4	4,046.99	3/4	3,863.11	3/4	3,672.28	3/4	3,474.01	3/4	3,116.40	3/4	2,757.70	3/4	2,398.18	3/4	2,038.65

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 TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 56'-08" 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 322"

## 3 STBD 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	2,031.15	0	1,671.53	0	1,313.30	0	964.00	0	611.11	0	251.39	0		0		0		0	
1/4	2,023.66	1/4	1,664.04	1/4	1,305.87	1/4	956.85	1/4	603.62	1/4	243.89	1/4		1/4		1/4		1/4	
1/2	2,016.17	1/2	1,656.55	1/2	1,298.44	1/2	949.69	1/2	596.13	1/2	236.40	1/2		1/2		1/2		1/2	
3/4	2,008.68	3/4	1,649.06	3/4	1,291.01	3/4	942.53	3/4	588.63	3/4	228.90	3/4		3/4		3/4		3/4	
1	2,001.19	1	1,641.56	1	1,283.58	1	935.38	1	581.14	1	221.41	1		1		1		1	
1/4	1,993.70	1/4	1,634.07	1/4	1,276.15	1/4	928.22	1/4	573.64	1/4	213.92	1/4		1/4		1/4		1/4	
1/2	1,986.20	1/2	1,626.58	1/2	1,268.72	1/2	921.06	1/2	566.15	1/2	206.42	1/2		1/2		1/2		1/2	
3/4	1,978.71	3/4	1,619.09	3/4	1,261.29	3/4	913.90	3/4	558.65	3/4	198.93	3/4		3/4		3/4		3/4	
2	1,971.22	2	1,611.59	2	1,253.86	2	906.74	2	551.16	2	191.43	2		2		2		2	
1/4	1,963.73	1/4	1,604.10	1/4	1,246.43	1/4	899.58	1/4	543.67	1/4	183.94	1/4		1/4		1/4		1/4	
1/2	1,956.24	1/2	1,596.61	1/2	1,239.00	1/2	892.41	1/2	536.17	1/2	176.44	1/2		1/2		1/2		1/2	
3/4	1,948.74	3/4	1,589.12	3/4	1,231.59	3/4	885.23	3/4	528.68	3/4	168.95	3/4		3/4		3/4		3/4	
3	1,941.25	3	1,581.63	3	1,224.17	3	878.05	3	521.18	3	161.45	3		3		3		3	
1/4	1,933.76	1/4	1,574.13	1/4	1,216.76	1/4	870.87	1/4	513.69	1/4	153.96	1/4		1/4		1/4		1/4	
1/2	1,926.27	1/2	1,566.64	1/2	1,209.35	1/2	863.69	1/2	506.19	1/2	146.46	1/2		1/2		1/2		1/2	
3/4	1,918.77	3/4	1,559.15	3/4	1,201.93	3/4	856.50	3/4	498.70	3/4	138.96	3/4		3/4		3/4		3/4	
4	1,911.28	4	1,551.66	4	1,194.52	4	849.32	4	491.20	4	131.47	4		4		4		4	
1/4	1,903.79	1/4	1,544.16	1/4	1,187.10	1/4	842.13	1/4	483.71	1/4	123.97	1/4		1/4		1/4		1/4	
1/2	1,896.30	1/2	1,536.67	1/2	1,179.69	1/2	834.94	1/2	476.22	1/2	116.47	1/2		1/2		1/2		1/2	
3/4	1,888.81	3/4	1,529.18	3/4	1,172.28	3/4	827.70	3/4	468.72	3/4	109.05	3/4		3/4		3/4		3/4	
5	1,881.31	5	1,521.69	5	1,164.88	5	820.46	5	461.23	5	101.64	5		5		5		5	
1/4	1,873.82	1/4	1,514.20	1/4	1,157.47	1/4	813.21	1/4	453.73	1/4	94.22	1/4		1/4		1/4		1/4	
1/2	1,866.33	1/2	1,506.70	1/2	1,150.07	1/2	805.97	1/2	446.24	1/2	86.81	1/2		1/2		1/2		1/2	
3/4	1,858.84	3/4	1,499.22	3/4	1,142.91	3/4	798.47	3/4	438.74	3/4	80.10	3/4		3/4		3/4		3/4	
6	1,851.34	6	1,491.73	6	1,135.76	6	790.98	6	431.25	6	73.40	6		6		6		6	
1/4	1,843.85	1/4	1,484.25	1/4	1,128.60	1/4	783.48	1/4	423.76	1/4	66.70	1/4		1/4		1/4		1/4	
1/2	1,836.36	1/2	1,476.77	1/2	1,121.44	1/2	775.99	1/2	416.26	1/2	59.99	1/2		1/2		1/2		1/2	
3/4	1,828.87	3/4	1,469.34	3/4	1,114.29	3/4	768.49	3/4	408.77	3/4	54.53	3/4		3/4		3/4		3/4	
7	1,821.38	7	1,461.91	7	1,107.13	7	761.00	7	401.27	7	49.07	7		7		7		7	
1/4	1,813.88	1/4	1,454.48	1/4	1,099.97	1/4	753.51	1/4	393.78	1/4	43.60	1/4		1/4		1/4		1/4	
1/2	1,806.39	1/2	1,447.04	1/2	1,092.82	1/2	746.01	1/2	386.28	1/2	38.14	1/2		1/2		1/2		1/2	
3/4	1,798.90	3/4	1,439.61	3/4	1,085.66	3/4	738.52	3/4	378.79	3/4	33.92	3/4		3/4		3/4		3/4	
8	1,791.41	8	1,432.18	8	1,078.51	8	731.02	8	371.30	8	29.70	8		8		8		8	
1/4	1,783.91	1/4	1,424.75	1/4	1,071.35	1/4	723.53	1/4	363.80	1/4	25.48	1/4		1/4		1/4		1/4	
1/2	1,776.42	1/2	1,417.32	1/2	1,064.19	1/2	716.03	1/2	356.31	1/2	21.26	1/2		1/2		1/2		1/2	
3/4	1,768.93	3/4	1,409.89	3/4	1,057.04	3/4	708.54	3/4	348.81	3/4		3/4		3/4		3/4		3/4	
9	1,761.44	9	1,402.46	9	1,049.88	9	701.05	9	341.32	9		9		9		9		9	
1/4	1,753.95	1/4	1,395.03	1/4	1,042.72	1/4	693.55	1/4	333.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,746.45	1/2	1,387.60	1/2	1,035.57	1/2	686.06	1/2	326.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,738.96	3/4	1,380.17	3/4	1,028.41	3/4	678.56	3/4	318.84	3/4		3/4		3/4		3/4		3/4	
10	1,731.47	10	1,372.74	10	1,021.25	10	671.07	10	311.34	10		10		10		10		10	
1/4	1,723.98	1/4	1,365.31	1/4	1,014.10	1/4	663.57	1/4	303.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,716.49	1/2	1,357.88	1/2	1,006.94	1/2	656.08	1/2	296.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,708.99	3/4	1,350.45	3/4	999.78	3/4	648.59	3/4	288.86	3/4		3/4		3/4		3/4		3/4	
11	1,701.50	11	1,343.02	11	992.63	11	641.09	11	281.36	11		11		11		11		11	
1/4	1,694.01	1/4	1,335.59	1/4	985.47	1/4	633.60	1/4	273.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,686.52	1/2	1,328.16	1/2	978.32	1/2	626.10	1/2	266.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,679.02	3/4	1,320.73	3/4	971.16	3/4	618.61	3/4	258.88	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2022 JS  
CALCULATED: 12/22/2022 CL  
PRINTED: 12/23/2022 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2022

PRECISION MEASUREMENT  
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