



# BARGE "DBL 313"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
1 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
3 PORT	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-1/2	- 03-1/2
3 STBD	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-1/2	- 03-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 252'-09"

August 14, 2019

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 313"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	4,941.96	0	4,607.10	0	4,253.00	0	3,889.71	0	3,526.42	0	3,163.12	0	2,799.83	0	2,436.46		
1/4	1/4	1/4	4,935.18	1/4	4,599.90	1/4	4,245.43	1/4	3,882.14	1/4	3,518.85	1/4	3,155.55	1/4	2,792.26	1/4	2,428.89		
1/2	1/2	1/2	4,928.39	1/2	4,592.71	1/2	4,237.86	1/2	3,874.57	1/2	3,511.28	1/2	3,147.99	1/2	2,784.69	1/2	2,421.31		
3/4	3/4	3/4	5,255.09	3/4	4,921.61	3/4	4,585.52	3/4	4,230.29	3/4	3,867.00	3/4	3,503.71	3/4	3,140.42	3/4	2,777.12	3/4	2,413.74
1	1	1	5,249.96	1	4,914.79	1	4,578.29	1	4,222.73	1	3,859.43	1	3,496.14	1	3,132.85	1	2,769.56	1	2,406.17
1/4	1/4	1/4	5,244.83	1/4	4,907.98	1/4	4,571.07	1/4	4,215.16	1/4	3,851.86	1/4	3,488.57	1/4	3,125.28	1/4	2,761.99	1/4	2,398.60
1/2	1/2	1/2	5,239.70	1/2	4,901.16	1/2	4,563.84	1/2	4,207.59	1/2	3,844.30	1/2	3,481.00	1/2	3,117.71	1/2	2,754.42	1/2	2,391.03
3/4	3/4	3/4	5,234.58	3/4	4,894.35	3/4	4,556.62	3/4	4,200.02	3/4	3,836.73	3/4	3,473.43	3/4	3,110.14	3/4	2,746.85	3/4	2,383.46
2	2	2	5,228.23	2	4,887.50	2	4,549.36	2	4,192.45	2	3,829.16	2	3,465.87	2	3,102.57	2	2,739.28	2	2,375.89
1/4	1/4	1/4	5,221.88	1/4	4,880.66	1/4	4,542.10	1/4	4,184.88	1/4	3,821.59	1/4	3,458.30	1/4	3,095.00	1/4	2,731.71	1/4	2,368.31
1/2	1/2	1/2	5,215.54	1/2	4,873.81	1/2	4,534.84	1/2	4,177.31	1/2	3,814.02	1/2	3,450.73	1/2	3,087.44	1/2	2,724.14	1/2	2,360.74
3/4	3/4	3/4	5,209.19	3/4	4,866.97	3/4	4,527.58	3/4	4,169.75	3/4	3,806.45	3/4	3,443.16	3/4	3,079.87	3/4	2,716.57	3/4	2,353.17
3	3	3	5,201.86	3	4,860.09	3	4,520.29	3	4,162.18	3	3,798.88	3	3,435.59	3	3,072.30	3	2,709.01	3	2,345.60
1/4	1/4	1/4	5,194.53	1/4	4,853.22	1/4	4,513.00	1/4	4,154.61	1/4	3,791.32	1/4	3,428.02	1/4	3,064.73	1/4	2,701.44	1/4	2,338.03
1/2	1/2	1/2	5,187.19	1/2	4,846.34	1/2	4,505.71	1/2	4,147.04	1/2	3,783.75	1/2	3,420.45	1/2	3,057.16	1/2	2,693.87	1/2	2,330.46
3/4	3/4	3/4	5,179.86	3/4	4,839.46	3/4	4,498.42	3/4	4,139.47	3/4	3,776.18	3/4	3,412.89	3/4	3,049.59	3/4	2,686.30	3/4	2,322.89
4	4	4	5,172.39	4	4,832.55	4	4,491.10	4	4,131.90	4	3,768.61	4	3,405.32	4	3,042.02	4	2,678.73	4	2,315.31
1/4	1/4	1/4	5,164.92	1/4	4,825.64	1/4	4,483.78	1/4	4,124.33	1/4	3,761.04	1/4	3,397.75	1/4	3,034.46	1/4	2,671.16	1/4	2,307.74
1/2	1/2	1/2	5,157.45	1/2	4,818.73	1/2	4,476.46	1/2	4,116.77	1/2	3,753.47	1/2	3,390.18	1/2	3,026.89	1/2	2,663.59	1/2	2,300.17
3/4	3/4	3/4	5,149.98	3/4	4,811.82	3/4	4,469.14	3/4	4,109.20	3/4	3,745.90	3/4	3,382.61	3/4	3,019.32	3/4	2,656.03	3/4	2,292.60
5	5	5	5,142.51	5	4,804.88	5	4,461.79	5	4,101.63	5	3,738.34	5	3,375.04	5	3,011.75	5	2,648.45	5	2,285.03
1/4	1/4	1/4	5,135.04	1/4	4,797.94	1/4	4,454.43	1/4	4,094.06	1/4	3,730.77	1/4	3,367.47	1/4	3,004.18	1/4	2,640.88	1/4	2,277.46
1/2	1/2	1/2	5,127.57	1/2	4,791.00	1/2	4,447.08	1/2	4,086.49	1/2	3,723.20	1/2	3,359.91	1/2	2,996.61	1/2	2,633.31	1/2	2,269.89
3/4	3/4	3/4	5,120.10	3/4	4,784.05	3/4	4,439.73	3/4	4,078.92	3/4	3,715.63	3/4	3,352.34	3/4	2,989.04	3/4	2,625.74	3/4	2,262.31
6	6	6	5,112.63	6	4,777.08	6	4,432.34	6	4,071.35	6	3,708.06	6	3,344.77	6	2,981.48	6	2,618.17	6	2,254.74
1/4	1/4	1/4	5,105.16	1/4	4,770.11	1/4	4,424.95	1/4	4,063.79	1/4	3,700.49	1/4	3,337.20	1/4	2,973.91	1/4	2,610.60	1/4	2,247.17
1/2	1/2	1/2	5,097.69	1/2	4,763.13	1/2	4,417.56	1/2	4,056.22	1/2	3,692.92	1/2	3,329.63	1/2	2,966.34	1/2	2,603.03	1/2	2,239.60
3/4	3/4	3/4	5,090.22	3/4	4,756.16	3/4	4,410.17	3/4	4,048.65	3/4	3,685.36	3/4	3,322.06	3/4	2,958.77	3/4	2,595.46	3/4	2,232.03
7	7	7	5,082.75	7	4,749.15	7	4,402.76	7	4,041.08	7	3,677.79	7	3,314.49	7	2,951.20	7	2,587.88	7	2,224.46
1/4	1/4	1/4	5,075.28	1/4	4,742.14	1/4	4,395.34	1/4	4,033.51	1/4	3,670.22	1/4	3,306.93	1/4	2,943.63	1/4	2,580.31	1/4	2,216.89
1/2	1/2	1/2	5,067.81	1/2	4,735.14	1/2	4,387.92	1/2	4,025.94	1/2	3,662.65	1/2	3,299.36	1/2	2,936.06	1/2	2,572.74	1/2	2,209.31
3/4	3/4	3/4	5,060.34	3/4	4,728.13	3/4	4,380.50	3/4	4,018.37	3/4	3,655.08	3/4	3,291.79	3/4	2,928.50	3/4	2,565.17	3/4	2,201.74
8	8	8	5,052.92	8	4,721.06	8	4,373.05	8	4,010.81	8	3,647.51	8	3,284.22	8	2,920.93	8	2,557.60	8	2,194.17
1/4	1/4	1/4	5,045.50	1/4	4,713.99	1/4	4,365.61	1/4	4,003.24	1/4	3,639.94	1/4	3,276.65	1/4	2,913.36	1/4	2,550.03	1/4	2,186.60
1/2	1/2	1/2	5,038.08	1/2	4,706.93	1/2	4,358.16	1/2	3,995.67	1/2	3,632.38	1/2	3,269.08	1/2	2,905.79	1/2	2,542.46	1/2	2,179.03
3/4	3/4	3/4	5,030.67	3/4	4,699.86	3/4	4,350.71	3/4	3,988.10	3/4	3,624.81	3/4	3,261.51	3/4	2,898.22	3/4	2,534.88	3/4	2,171.46
9	9	9	5,023.66	9	4,692.76	9	4,343.23	9	3,980.53	9	3,617.24	9	3,253.95	9	2,890.65	9	2,527.31	9	2,163.89
1/4	1/4	1/4	5,016.65	1/4	4,685.66	1/4	4,335.75	1/4	3,972.96	1/4	3,609.67	1/4	3,246.38	1/4	2,883.08	1/4	2,519.74	1/4	2,156.31
1/2	1/2	1/2	5,009.64	1/2	4,678.56	1/2	4,328.27	1/2	3,965.39	1/2	3,602.10	1/2	3,238.81	1/2	2,875.52	1/2	2,512.17	1/2	2,148.74
3/4	3/4	3/4	5,002.64	3/4	4,671.46	3/4	4,320.80	3/4	3,957.83	3/4	3,594.53	3/4	3,231.24	3/4	2,867.95	3/4	2,504.60	3/4	2,141.17
10	10	10	4,995.92	10	4,664.32	10	4,313.22	10	3,950.26	10	3,586.96	10	3,223.67	10	2,860.38	10	2,497.03	10	2,133.60
1/4	1/4	1/4	4,989.20	1/4	4,657.19	1/4	4,305.77	1/4	3,942.69	1/4	3,579.40	1/4	3,216.10	1/4	2,852.81	1/4	2,489.46	1/4	2,126.03
1/2	1/2	1/2	4,982.48	1/2	4,650.06	1/2	4,298.26	1/2	3,935.12	1/2	3,571.83	1/2	3,208.53	1/2	2,845.24	1/2	2,481.89	1/2	2,118.46
3/4	3/4	3/4	4,975.76	3/4	4,642.93	3/4	4,290.74	3/4	3,927.55	3/4	3,564.26	3/4	3,200.97	3/4	2,837.67	3/4	2,474.31	3/4	2,110.89
11	11	11	4,969.01	11	4,635.77	11	4,283.20	11	3,919.98	11	3,556.69	11	3,193.40	11	2,830.10	11	2,466.74	11	2,103.32
1/4	1/4	1/4	4,962.25	1/4	4,628.61	1/4	4,275.65	1/4	3,912.41	1/4	3,549.12	1/4	3,185.83	1/4	2,822.54	1/4	2,459.17	1/4	2,095.74
1/2	1/2	1/2	4,955.50	1/2	4,621.45	1/2	4,268.11	1/2	3,904.85	1/2	3,541.55	1/2	3,178.26	1/2	2,814.97	1/2	2,451.60	1/2	2,088.17
3/4	3/4	3/4	4,948.75	3/4	4,614.29	3/4	4,260.56	3/4	3,897.28	3/4	3,533.98	3/4	3,170.69	3/4	2,807.40	3/4	2,444.03	3/4	2,080.60

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 OF 2" DIAMETER "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
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<http://www.pmacorp.net>



# BARGE "DBL 313"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,073.03	0	1,709.60	0	1,346.18	0	983.16	0	619.82	0	259.58	0		0		0		0	
1/4	2,065.46	1/4	1,702.03	1/4	1,338.60	1/4	975.60	1/4	612.25	1/4	252.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,057.89	1/2	1,694.46	1/2	1,331.03	1/2	968.04	1/2	604.68	1/2	244.74	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,050.32	3/4	1,686.89	3/4	1,323.46	3/4	960.48	3/4	597.11	3/4	237.32	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,042.74	1	1,679.32	1	1,315.89	1	952.92	1	589.54	1	229.89	1	1	1	1	1	1	1	1
1/4	2,035.17	1/4	1,671.75	1/4	1,308.32	1/4	945.36	1/4	581.96	1/4	222.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,027.60	1/2	1,664.17	1/2	1,300.75	1/2	937.80	1/2	574.39	1/2	215.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,020.03	3/4	1,656.60	3/4	1,293.18	3/4	930.23	3/4	566.82	3/4	207.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,012.46	2	1,649.03	2	1,285.60	2	922.66	2	559.25	2	200.18	2	2	2	2	2	2	2	2
1/4	2,004.89	1/4	1,641.46	1/4	1,278.03	1/4	915.09	1/4	551.68	1/4	192.74	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,997.32	1/2	1,633.89	1/2	1,270.46	1/2	907.52	1/2	544.11	1/2	185.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,989.74	3/4	1,626.32	3/4	1,262.89	3/4	899.95	3/4	536.54	3/4	177.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,982.17	3	1,618.75	3	1,255.32	3	892.38	3	528.97	3	170.31	3	3	3	3	3	3	3	3
1/4	1,974.60	1/4	1,611.17	1/4	1,247.75	1/4	884.81	1/4	521.40	1/4	162.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,967.03	1/2	1,603.60	1/2	1,240.18	1/2	877.24	1/2	513.82	1/2	155.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,959.46	3/4	1,596.03	3/4	1,232.61	3/4	869.67	3/4	506.25	3/4	147.64	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,951.89	4	1,588.46	4	1,225.05	4	862.09	4	498.68	4	140.08	4	4	4	4	4	4	4	4
1/4	1,944.32	1/4	1,580.89	1/4	1,217.49	1/4	854.52	1/4	491.11	1/4	132.52	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,936.74	1/2	1,573.32	1/2	1,209.93	1/2	846.95	1/2	483.54	1/2	124.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,929.17	3/4	1,565.75	3/4	1,202.37	3/4	839.38	3/4	475.97	3/4	117.41	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,921.60	5	1,558.17	5	1,194.81	5	831.81	5	468.40	5	109.93	5	5	5	5	5	5	5	5
1/4	1,914.03	1/4	1,550.60	1/4	1,187.25	1/4	824.24	1/4	460.83	1/4	102.46	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,906.46	1/2	1,543.03	1/2	1,179.69	1/2	816.67	1/2	453.26	1/2	94.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,898.89	3/4	1,535.46	3/4	1,172.14	3/4	809.10	3/4	445.68	3/4	87.50	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,891.32	6	1,527.89	6	1,164.58	6	801.53	6	438.13	6	80.73	6	6	6	6	6	6	6	6
1/4	1,883.74	1/4	1,520.32	1/4	1,157.02	1/4	793.96	1/4	430.58	1/4	73.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,876.17	1/2	1,512.75	1/2	1,149.46	1/2	786.38	1/2	423.03	1/2	67.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,868.60	3/4	1,505.17	3/4	1,141.90	3/4	778.81	3/4	415.47	3/4	60.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,861.03	7	1,497.60	7	1,134.34	7	771.24	7	408.05	7	54.93	7	7	7	7	7	7	7	7
1/4	1,853.46	1/4	1,490.03	1/4	1,126.78	1/4	763.67	1/4	400.63	1/4	49.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,845.89	1/2	1,482.46	1/2	1,119.22	1/2	756.10	1/2	393.20	1/2	43.92	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,838.32	3/4	1,474.89	3/4	1,111.66	3/4	748.53	3/4	385.78	3/4	38.41	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,830.74	8	1,467.32	8	1,104.10	8	740.96	8	378.36	8	34.17	8	8	8	8	8	8	8	8
1/4	1,823.17	1/4	1,459.75	1/4	1,096.54	1/4	733.39	1/4	370.93	1/4	29.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,815.60	1/2	1,452.17	1/2	1,088.99	1/2	725.82	1/2	363.51	1/2	25.68	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,808.03	3/4	1,444.60	3/4	1,081.43	3/4	718.24	3/4	356.09	3/4	21.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,800.46	9	1,437.03	9	1,073.87	9	710.67	9	348.66	9		9	9	9	9	9	9	9	9
1/4	1,792.89	1/4	1,429.46	1/4	1,066.31	1/4	703.10	1/4	341.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,785.32	1/2	1,421.89	1/2	1,058.75	1/2	695.53	1/2	333.82	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,777.74	3/4	1,414.32	3/4	1,051.19	3/4	687.96	3/4	326.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,770.17	10	1,406.75	10	1,043.63	10	680.39	10	318.97	10		10	10	10	10	10	10	10	10
1/4	1,762.60	1/4	1,399.17	1/4	1,036.07	1/4	672.82	1/4	311.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,755.03	1/2	1,391.60	1/2	1,028.51	1/2	665.25	1/2	304.12	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,747.46	3/4	1,384.03	3/4	1,020.95	3/4	657.68	3/4	296.70	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,739.89	11	1,376.46	11	1,013.39	11	650.10	11	289.28	11		11	11	11	11	11	11	11	11
1/4	1,732.32	1/4	1,368.89	1/4	1,005.84	1/4	642.53	1/4	281.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,724.75	1/2	1,361.32	1/2	998.28	1/2	634.96	1/2	274.43	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,717.17	3/4	1,353.75	3/4	990.72	3/4	627.39	3/4	267.01	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.

STRAPPED: 08/14/2019 SW JS  
CALCULATED: 08/14/2019 CL  
PRINTED: 08/14/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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



# BARGE "DBL 313"

# 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0	0	0	0	0	4,922.37	0	4,587.83	0	4,234.13	0	3,871.63	0	3,509.13	0	3,146.62	0	2,784.12	0	2,421.73		
1/4		1/4		1/4	4,915.60	1/4	4,580.66	1/4	4,226.58	1/4	3,864.08	1/4	3,501.57	1/4	3,139.07	1/4	2,776.57	1/4	2,414.17		
1/2		1/2		1/2	5,241.58	1/2	4,908.83	1/2	4,573.48	1/2	4,219.03	1/2	3,856.53	1/2	3,494.02	1/2	3,131.52	1/2	2,769.02	1/2	2,406.62
3/4		3/4		3/4	5,236.46	3/4	4,902.03	3/4	4,566.27	3/4	4,211.48	3/4	3,848.98	3/4	3,486.47	3/4	3,123.96	3/4	2,761.48	3/4	2,399.06
1	1	5,231.35	1	4,895.23	1	4,559.06	1	4,203.93	1	3,841.42	1	3,478.92	1	3,116.41	1	2,753.94	1	2,391.51			
1/4		1/4		1/4	5,226.23	1/4	4,888.43	1/4	4,551.85	1/4	4,196.38	1/4	3,833.87	1/4	3,471.37	1/4	3,108.86	1/4	2,746.40	1/4	2,383.95
1/2		1/2		1/2	5,221.11	1/2	4,881.63	1/2	4,544.64	1/2	4,188.82	1/2	3,826.32	1/2	3,463.81	1/2	3,101.31	1/2	2,738.86	1/2	2,376.40
3/4		3/4		3/4	5,214.78	3/4	4,874.80	3/4	4,537.40	3/4	4,181.27	3/4	3,818.77	3/4	3,456.26	3/4	3,093.76	3/4	2,731.32	3/4	2,368.84
2	2	5,208.45	2	4,867.97	2	4,530.15	2	4,173.72	2	3,811.21	2	3,448.71	2	3,086.20	2	2,723.78	2	2,361.29			
1/4		1/4		1/4	5,202.11	1/4	4,861.14	1/4	4,522.91	1/4	4,166.17	1/4	3,803.66	1/4	3,441.16	1/4	3,078.65	1/4	2,716.24	1/4	2,351.73
1/2		1/2		1/2	5,195.78	1/2	4,854.31	1/2	4,515.67	1/2	4,158.62	1/2	3,796.11	1/2	3,433.60	1/2	3,071.10	1/2	2,708.70	1/2	2,346.18
3/4		3/4		3/4	5,188.47	3/4	4,847.45	3/4	4,508.39	3/4	4,151.06	3/4	3,788.56	3/4	3,426.05	3/4	3,063.55	3/4	2,701.16	3/4	2,338.62
3	3	5,181.15	3	4,840.59	3	4,501.12	3	4,143.51	3	3,781.01	3	3,418.50	3	3,055.99	3	2,693.62	3	2,331.07			
1/4		1/4		1/4	5,173.84	1/4	4,833.73	1/4	4,493.85	1/4	4,135.96	1/4	3,773.45	1/4	3,410.95	1/4	3,048.44	1/4	2,686.08	1/4	2,323.51
1/2		1/2		1/2	5,166.52	1/2	4,826.87	1/2	4,486.57	1/2	4,128.41	1/2	3,765.90	1/2	3,403.40	1/2	3,040.89	1/2	2,678.54	1/2	2,315.96
3/4		3/4		3/4	5,159.07	3/4	4,819.98	3/4	4,479.27	3/4	4,120.85	3/4	3,758.35	3/4	3,395.84	3/4	3,033.34	3/4	2,671.00	3/4	2,308.40
4	4	5,151.62	4	4,813.08	4	4,471.97	4	4,113.30	4	3,750.80	4	3,388.29	4	3,025.79	4	2,663.45	4	2,300.85			
1/4		1/4		1/4	5,144.16	1/4	4,806.19	1/4	4,464.66	1/4	4,105.75	1/4	3,380.74	1/4	3,018.23	1/4	2,655.91	1/4	2,293.29		
1/2		1/2		1/2	5,136.71	1/2	4,799.29	1/2	4,457.36	1/2	4,098.20	1/2	3,735.69	1/2	3,373.19	1/2	3,010.68	1/2	2,648.37	1/2	2,285.74
3/4		3/4		3/4	5,129.25	3/4	4,792.36	3/4	4,450.02	3/4	4,090.65	3/4	3,728.14	3/4	3,365.63	3/4	3,003.13	3/4	2,640.82	3/4	2,278.18
5	5	5,121.80	5	4,785.44	5	4,442.68	5	4,083.09	5	3,720.59	5	3,358.08	5	2,995.58	5	2,633.26	5	2,270.63			
1/4		1/4		1/4	5,114.35	1/4	4,778.51	1/4	4,435.34	1/4	4,075.54	1/4	3,350.53	1/4	2,988.02	1/4	2,625.71	1/4	2,263.07		
1/2		1/2		1/2	5,106.89	1/2	4,771.58	1/2	4,428.00	1/2	4,067.99	1/2	3,705.48	1/2	3,342.98	1/2	2,980.47	1/2	2,618.16	1/2	2,255.52
3/4		3/4		3/4	5,099.44	3/4	4,764.62	3/4	4,420.63	3/4	4,060.44	3/4	3,697.93	3/4	3,335.43	3/4	2,972.92	3/4	2,610.60	3/4	2,247.96
6	6	5,091.98	6	4,757.66	6	4,413.26	6	4,052.88	6	3,690.38	6	3,327.87	6	2,965.37	6	2,603.05	6	2,240.41			
1/4		1/4		1/4	5,084.53	1/4	4,750.71	1/4	4,405.89	1/4	4,045.33	1/4	3,682.83	1/4	3,320.32	1/4	2,957.82	1/4	2,595.49	1/4	2,232.85
1/2		1/2		1/2	5,077.08	1/2	4,743.75	1/2	4,398.52	1/2	4,037.78	1/2	3,675.27	1/2	3,312.77	1/2	2,950.26	1/2	2,587.94	1/2	2,225.30
3/4		3/4		3/4	5,069.62	3/4	4,736.76	3/4	4,391.12	3/4	4,030.23	3/4	3,667.72	3/4	3,305.22	3/4	2,942.71	3/4	2,580.38	3/4	2,217.74
7	7	5,062.17	7	4,729.76	7	4,383.71	7	4,022.68	7	3,660.17	7	3,297.66	7	2,935.16	7	2,572.83	7	2,210.19			
1/4		1/4		1/4	5,054.71	1/4	4,722.77	1/4	4,376.31	1/4	4,015.12	1/4	3,652.62	1/4	3,290.11	1/4	2,927.61	1/4	2,565.27	1/4	2,202.63
1/2		1/2		1/2	5,047.26	1/2	4,715.78	1/2	4,368.91	1/2	4,007.57	1/2	3,645.07	1/2	3,282.56	1/2	2,920.05	1/2	2,557.72	1/2	2,195.08
3/4		3/4		3/4	5,039.86	3/4	4,708.73	3/4	4,361.48	3/4	4,000.02	3/4	3,637.51	3/4	3,275.01	3/4	2,912.50	3/4	2,550.16	3/4	2,187.52
8	8	5,032.46	8	4,701.67	8	4,354.05	8	3,992.47	8	3,629.96	8	3,267.46	8	2,904.95	8	2,542.61	8	2,179.97			
1/4		1/4		1/4	5,025.06	1/4	4,694.62	1/4	4,346.62	1/4	3,984.91	1/4	3,622.41	1/4	3,259.90	1/4	2,897.40	1/4	2,535.05	1/4	2,172.41
1/2		1/2		1/2	5,017.65	1/2	4,687.57	1/2	4,339.18	1/2	3,977.36	1/2	3,614.86	1/2	3,252.35	1/2	2,889.85	1/2	2,527.50	1/2	2,164.86
3/4		3/4		3/4	5,010.66	3/4	4,680.49	3/4	4,331.72	3/4	3,969.81	3/4	3,607.30	3/4	3,244.80	3/4	2,882.29	3/4	2,519.94	3/4	2,157.30
9	9	5,003.67	9	4,673.40	9	4,324.26	9	3,962.26	9	3,599.75	9	3,237.25	9	2,874.79	9	2,512.39	9	2,149.75			
1/4		1/4		1/4	4,996.68	1/4	4,666.32	1/4	4,316.80	1/4	3,954.71	1/4	3,592.20	1/4	3,229.69	1/4	2,867.19	1/4	2,504.83	1/4	2,142.19
1/2		1/2		1/2	4,989.68	1/2	4,659.23	1/2	4,309.33	1/2	3,947.15	1/2	3,584.65	1/2	3,222.14	1/2	2,859.64	1/2	2,497.28	1/2	2,134.64
3/4		3/4		3/4	4,982.98	3/4	4,652.11	3/4	4,301.84	3/4	3,939.60	3/4	3,577.10	3/4	3,214.59	3/4	2,852.08	3/4	2,489.72	3/4	2,127.08
10	10	4,976.28	10	4,645.00	10	4,294.34	10	3,932.05	10	3,569.54	10	3,207.04	10	2,844.53	10	2,484.53	10	2,482.17	10	2,119.53	
1/4		1/4		1/4	4,969.57	1/4	4,637.88	1/4	4,286.84	1/4	3,924.50	1/4	3,561.99	1/4	3,199.49	1/4	2,836.98	1/4	2,474.61	1/4	2,111.97
1/2		1/2		1/2	4,962.87	1/2	4,630.77	1/2	4,279.35	1/2	3,916.95	1/2	3,554.44	1/2	3,191.93	1/2	2,829.43	1/2	2,467.06	1/2	2,104.42
3/4		3/4		3/4	4,956.13	3/4	4,623.62	3/4	4,271.82	3/4	3,909.39	3/4	3,546.89	3/4	3,184.38	3/4	2,821.88	3/4	2,459.50	3/4	2,096.86
11	11	4,949.39	11	4,616.48	11	4,264.29	11	3,901.84	11	3,539.34	11	3,176.83	11	2,814.32	11	2,451.95	11	2,089.31			
1/4		1/4		1/4	4,942.65	1/4	4,609.33	1/4	4,256.76	1/4	3,894.29	1/4	3,531.78	1/4	3,169.28	1/4	2,806.77	1/4	2,444.39	1/4	2,081.75
1/2		1/2		1/2	4,935.91	1/2	4,602.19	1/2	4,249.23	1/2	3,886.74	1/2	3,524.23	1/2	3,161.73	1/2	2,799.22	1/2	2,436.84	1/2	2,074.20
3/4		3/4		3/4	4,929.14	3/4	4,595.01	3/4	4,241.68	3/4	3,879.18	3/4	3,516.68	3/4	3,154.17	3/4	2,791.67	3/4	2,429.28	3/4	2,066.64

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 OF 2" DIAMETER "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD

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



# BARGE "DBL 313"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,059.09	0	1,696.45	0	1,333.81	0	973.11	0	610.92	0	251.61	0		0		0		0	
1/4	2,051.53	1/4	1,688.89	1/4	1,326.25	1/4	965.60	1/4	603.37	1/4	244.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,043.98	1/2	1,681.34	1/2	1,318.70	1/2	958.10	1/2	595.81	1/2	236.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,036.42	3/4	1,673.78	3/4	1,311.14	3/4	950.60	3/4	588.26	3/4	229.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,028.87	1	1,666.23	1	1,303.59	1	943.09	1	580.70	1	221.99	1	1	1	1	1	1	1	1
1/4	2,021.31	1/4	1,658.67	1/4	1,296.03	1/4	935.59	1/4	573.15	1/4	214.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,013.76	1/2	1,651.12	1/2	1,288.48	1/2	928.08	1/2	565.59	1/2	207.17	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,006.20	3/4	1,643.56	3/4	1,280.93	3/4	920.56	3/4	558.04	3/4	199.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,998.65	2	1,636.01	2	1,273.38	2	913.04	2	550.48	2	192.32	2	2	2	2	2	2	2	2
1/4	1,991.09	1/4	1,628.45	1/4	1,265.83	1/4	905.52	1/4	542.93	1/4	184.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,983.54	1/2	1,620.90	1/2	1,258.28	1/2	898.00	1/2	535.37	1/2	177.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,975.98	3/4	1,613.34	3/4	1,250.76	3/4	890.44	3/4	527.82	3/4	169.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,968.43	3	1,605.79	3	1,243.25	3	882.89	3	520.26	3	162.40	3	3	3	3	3	3	3	3
1/4	1,960.87	1/4	1,598.23	1/4	1,235.73	1/4	875.33	1/4	512.71	1/4	154.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,953.32	1/2	1,590.68	1/2	1,228.22	1/2	867.78	1/2	505.15	1/2	147.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,945.76	3/4	1,583.12	3/4	1,220.72	3/4	860.23	3/4	497.60	3/4	139.78	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,938.21	4	1,575.57	4	1,213.21	4	852.67	4	490.04	4	132.24	4	4	4	4	4	4	4	4
1/4	1,930.65	1/4	1,568.01	1/4	1,205.71	1/4	845.12	1/4	482.49	1/4	124.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,923.10	1/2	1,560.46	1/2	1,198.21	1/2	837.56	1/2	474.94	1/2	117.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,915.54	3/4	1,552.90	3/4	1,190.70	3/4	830.01	3/4	467.38	3/4	109.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,907.99	5	1,545.35	5	1,183.20	5	822.45	5	459.83	5	102.23	5	5	5	5	5	5	5	5
1/4	1,900.43	1/4	1,537.79	1/4	1,175.70	1/4	814.90	1/4	452.27	1/4	94.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,892.88	1/2	1,530.24	1/2	1,168.19	1/2	807.34	1/2	444.72	1/2	87.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,885.32	3/4	1,522.68	3/4	1,160.69	3/4	799.79	3/4	437.18	3/4	80.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,877.77	6	1,515.13	6	1,153.19	6	792.23	6	429.64	6	73.81	6	6	6	6	6	6	6	6
1/4	1,870.21	1/4	1,507.57	1/4	1,145.68	1/4	784.68	1/4	422.11	1/4	67.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,862.66	1/2	1,500.02	1/2	1,138.18	1/2	777.12	1/2	414.57	1/2	60.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,855.10	3/4	1,492.46	3/4	1,130.68	3/4	769.57	3/4	407.16	3/4	54.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,847.55	7	1,484.91	7	1,123.17	7	762.01	7	399.76	7	49.32	7	7	7	7	7	7	7	7
1/4	1,839.99	1/4	1,477.35	1/4	1,115.67	1/4	754.46	1/4	392.35	1/4	43.82	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,832.44	1/2	1,469.80	1/2	1,108.17	1/2	746.90	1/2	384.94	1/2	38.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,824.88	3/4	1,462.24	3/4	1,100.66	3/4	739.35	3/4	377.54	3/4	34.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,817.33	8	1,454.69	8	1,093.16	8	731.80	8	370.13	8	29.86	8	8	8	8	8	8	8	8
1/4	1,809.77	1/4	1,447.13	1/4	1,085.66	1/4	724.24	1/4	362.72	1/4	25.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,802.22	1/2	1,439.58	1/2	1,078.15	1/2	716.69	1/2	355.31	1/2	21.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,794.66	3/4	1,432.02	3/4	1,070.65	3/4	709.13	3/4	347.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,787.11	9	1,424.47	9	1,063.15	9	701.58	9	340.50	9		9	9	9	9	9	9	9	9
1/4	1,779.55	1/4	1,416.91	1/4	1,055.64	1/4	694.02	1/4	333.09	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,772.00	1/2	1,409.36	1/2	1,048.14	1/2	686.47	1/2	325.69	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,764.44	3/4	1,401.80	3/4	1,040.64	3/4	678.91	3/4	318.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,756.89	10	1,394.25	10	1,033.13	10	671.36	10	310.87	10		10	10	10	10	10	10	10	10
1/4	1,749.33	1/4	1,386.69	1/4	1,025.63	1/4	663.80	1/4	303.46	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,741.78	1/2	1,379.14	1/2	1,018.13	1/2	656.25	1/2	296.06	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,734.22	3/4	1,371.58	3/4	1,010.62	3/4	648.69	3/4	288.65	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,726.67	11	1,364.03	11	1,003.12	11	641.14	11	281.24	11		11	11	11	11	11	11	11	11
1/4	1,719.11	1/4	1,356.47	1/4	995.62	1/4	633.58	1/4	273.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,711.56	1/2	1,348.92	1/2	988.11	1/2	626.03	1/2	266.43	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,704.00	3/4	1,341.36	3/4	980.61	3/4	618.47	3/4	259.02	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.

STRAPPED: 08/14/2019 SW JS  
CALCULATED: 08/14/2019 CL  
PRINTED: 08/14/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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



# BARGE "DBL 313"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	4,909.45	0	4,575.07	0	4,221.61	0	3,859.71	0	3,497.81	0	3,135.90	0	2,773.99	0	2,412.02		
1/4	1/4	5,234.89	1/4	4,902.70	1/4	4,567.91	1/4	4,214.08	1/4	3,852.17	1/4	3,490.27	1/4	3,128.36	1/4	2,766.45	1/4	2,404.47	
1/2	1/2	5,229.78	1/2	4,895.91	1/2	4,560.71	1/2	4,206.54	1/2	3,844.63	1/2	3,482.73	1/2	3,120.82	1/2	2,758.91	1/2	2,396.93	
3/4	3/4	5,224.67	3/4	4,889.12	3/4	4,553.51	3/4	4,199.00	3/4	3,837.09	3/4	3,475.19	3/4	3,113.28	3/4	2,751.38	3/4	2,389.39	
1	1	5,219.56	1	4,882.33	1	4,546.31	1	4,191.46	1	3,829.55	1	3,467.65	1	3,105.74	1	2,743.84	1	2,381.85	
1/4	1/4	5,214.45	1/4	4,875.54	1/4	4,539.12	1/4	4,183.92	1/4	3,822.01	1/4	3,460.11	1/4	3,098.20	1/4	2,736.30	1/4	2,374.30	
1/2	1/2	5,208.13	1/2	4,868.72	1/2	4,531.88	1/2	4,176.38	1/2	3,814.47	1/2	3,452.57	1/2	3,090.66	1/2	2,728.76	1/2	2,366.76	
3/4	3/4	5,201.81	3/4	4,861.90	3/4	4,524.65	3/4	4,168.84	3/4	3,806.93	3/4	3,445.03	3/4	3,083.12	3/4	2,721.22	3/4	2,359.22	
2	2	5,195.49	2	4,855.09	2	4,517.42	2	4,161.30	2	3,799.39	2	3,437.49	2	3,075.58	2	2,713.68	2	2,351.68	
1/4	1/4	5,189.16	1/4	4,848.27	1/4	4,510.19	1/4	4,153.76	1/4	3,791.85	1/4	3,429.95	1/4	3,068.04	1/4	2,706.14	1/4	2,344.13	
1/2	1/2	5,181.86	1/2	4,841.42	1/2	4,502.93	1/2	4,146.22	1/2	3,784.31	1/2	3,422.41	1/2	3,060.50	1/2	2,698.60	1/2	2,336.59	
3/4	3/4	5,174.56	3/4	4,834.57	3/4	4,495.67	3/4	4,138.68	3/4	3,776.77	3/4	3,414.87	3/4	3,052.96	3/4	2,691.06	3/4	2,329.05	
3	3	5,167.25	3	4,827.72	3	4,488.41	3	4,131.14	3	3,769.23	3	3,407.33	3	3,045.42	3	2,683.52	3	2,321.51	
1/4	1/4	5,159.95	1/4	4,820.87	1/4	4,481.14	1/4	4,123.60	1/4	3,761.70	1/4	3,399.79	1/4	3,037.88	1/4	2,675.98	1/4	2,313.96	
1/2	1/2	5,152.51	1/2	4,813.99	1/2	4,473.85	1/2	4,116.06	1/2	3,754.16	1/2	3,392.25	1/2	3,030.34	1/2	2,668.44	1/2	2,306.42	
3/4	3/4	5,145.06	3/4	4,807.10	3/4	4,466.56	3/4	4,108.52	3/4	3,746.62	3/4	3,384.71	3/4	3,022.80	3/4	2,660.90	3/4	2,298.88	
4	4	5,137.62	4	4,800.22	4	4,459.27	4	4,100.98	4	3,739.08	4	3,377.17	4	3,015.26	4	2,653.36	4	2,291.34	
1/4	1/4	5,130.18	1/4	4,793.34	1/4	4,451.98	1/4	4,093.44	1/4	3,731.54	1/4	3,369.63	1/4	3,007.73	1/4	2,645.82	1/4	2,283.79	
1/2	1/2	5,122.74	1/2	4,786.42	1/2	4,444.65	1/2	4,085.90	1/2	3,724.00	1/2	3,362.09	1/2	3,000.19	1/2	2,638.28	1/2	2,276.25	
3/4	3/4	5,115.30	3/4	4,779.51	3/4	4,437.32	3/4	4,078.36	3/4	3,716.46	3/4	3,354.55	3/4	2,992.65	3/4	2,630.74	3/4	2,268.71	
5	5	5,107.86	5	4,772.59	5	4,430.00	5	4,070.82	5	3,708.92	5	3,347.01	5	2,985.11	5	2,623.20	5	2,261.17	
1/4	1/4	5,100.42	1/4	4,765.67	1/4	4,422.67	1/4	4,063.28	1/4	3,701.38	1/4	3,339.47	1/4	2,977.57	1/4	2,615.66	1/4	2,253.63	
1/2	1/2	5,092.98	1/2	4,758.73	1/2	4,415.31	1/2	4,055.74	1/2	3,693.84	1/2	3,331.93	1/2	2,970.03	1/2	2,608.12	1/2	2,246.08	
3/4	3/4	5,085.53	3/4	4,751.78	3/4	4,407.95	3/4	4,048.20	3/4	3,686.30	3/4	3,324.39	3/4	2,962.49	3/4	2,600.58	3/4	2,238.54	
6	6	5,078.09	6	4,744.83	6	4,400.59	6	4,040.66	6	3,678.76	6	3,316.85	6	2,954.95	6	2,593.03	6	2,231.00	
1/4	1/4	5,070.65	1/4	4,737.89	1/4	4,393.24	1/4	4,033.12	1/4	3,671.22	1/4	3,309.31	1/4	2,947.41	1/4	2,585.49	1/4	2,223.46	
1/2	1/2	5,063.21	1/2	4,730.91	1/2	4,385.85	1/2	4,025.58	1/2	3,663.68	1/2	3,301.77	1/2	2,939.87	1/2	2,577.95	1/2	2,215.91	
3/4	3/4	5,055.77	3/4	4,723.93	3/4	4,378.46	3/4	4,018.04	3/4	3,656.14	3/4	3,294.23	3/4	2,932.33	3/4	2,570.41	3/4	2,208.37	
7	7	5,048.33	7	4,716.95	7	4,371.07	7	4,010.51	7	3,648.60	7	3,286.69	7	2,924.79	7	2,562.86	7	2,200.83	
1/4	1/4	5,040.89	1/4	4,709.97	1/4	4,363.68	1/4	4,002.97	1/4	3,641.06	1/4	3,279.15	1/4	2,917.25	1/4	2,555.32	1/4	2,193.29	
1/2	1/2	5,033.50	1/2	4,702.93	1/2	4,356.26	1/2	3,995.43	1/2	3,633.52	1/2	3,271.61	1/2	2,909.71	1/2	2,547.78	1/2	2,185.74	
3/4	3/4	5,026.11	3/4	4,695.89	3/4	4,348.84	3/4	3,987.89	3/4	3,625.98	3/4	3,264.07	3/4	2,902.17	3/4	2,540.24	3/4	2,178.20	
8	8	5,018.72	8	4,688.85	8	4,341.42	8	3,980.35	8	3,618.44	8	3,256.54	8	2,894.63	8	2,532.69	8	2,170.66	
1/4	1/4	5,011.33	1/4	4,681.81	1/4	4,334.00	1/4	3,972.81	1/4	3,610.90	1/4	3,249.00	1/4	2,887.09	1/4	2,525.15	1/4	2,163.12	
1/2	1/2	5,004.35	1/2	4,674.73	1/2	4,326.55	1/2	3,965.27	1/2	3,603.36	1/2	3,241.46	1/2	2,879.55	1/2	2,517.61	1/2	2,155.57	
3/4	3/4	4,997.37	3/4	4,667.66	3/4	4,319.10	3/4	3,957.73	3/4	3,595.82	3/4	3,233.92	3/4	2,872.01	3/4	2,510.07	3/4	2,148.03	
9	9	4,990.39	9	4,660.58	9	4,311.65	9	3,950.19	9	3,588.28	9	3,226.38	9	2,864.47	9	2,502.52	9	2,140.49	
1/4	1/4	4,983.41	1/4	4,653.51	1/4	4,304.20	1/4	3,942.65	1/4	3,580.74	1/4	3,218.84	1/4	2,856.93	1/4	2,494.98	1/4	2,132.95	
1/2	1/2	4,976.72	1/2	4,646.41	1/2	4,296.72	1/2	3,935.11	1/2	3,573.20	1/2	3,211.30	1/2	2,849.39	1/2	2,487.44	1/2	2,125.40	
3/4	3/4	4,970.02	3/4	4,639.30	3/4	4,289.23	3/4	3,927.57	3/4	3,565.66	3/4	3,203.76	3/4	2,841.85	3/4	2,479.90	3/4	2,117.86	
10	10	4,963.33	10	4,632.20	10	4,281.75	10	3,920.03	10	3,558.12	10	3,196.22	10	2,834.31	10	2,472.35	10	2,110.32	
1/4	1/4	4,956.64	1/4	4,625.10	1/4	4,274.26	1/4	3,912.49	1/4	3,550.58	1/4	3,188.68	1/4	2,826.77	1/4	2,464.81	1/4	2,102.78	
1/2	1/2	4,949.91	1/2	4,617.96	1/2	4,266.75	1/2	3,904.95	1/2	3,543.04	1/2	3,181.14	1/2	2,819.23	1/2	2,457.27	1/2	2,095.23	
3/4	3/4	4,943.18	3/4	4,610.83	3/4	4,259.23	3/4	3,897.41	3/4	3,535.50	3/4	3,173.60	3/4	2,811.69	3/4	2,449.73	3/4	2,087.69	
11	11	4,936.46	11	4,603.70	11	4,251.72	11	3,889.87	11	3,527.96	11	3,166.06	11	2,804.15	11	2,442.19	11	2,080.15	
1/4	1/4	4,929.73	1/4	4,596.56	1/4	4,244.20	1/4	3,882.33	1/4	3,520.42	1/4	3,158.52	1/4	2,796.61	1/4	2,434.64	1/4	2,072.61	
1/2	1/2	4,922.97	1/2	4,589.40	1/2	4,236.67	1/2	3,874.79	1/2	3,512.88	1/2	3,150.98	1/2	2,789.07	1/2	2,427.10	1/2	2,065.07	
3/4	3/4	4,916.21	3/4	4,582.24	3/4	4,229.14	3/4	3,867.25	3/4	3,505.35	3/4	3,143.44	3/4	2,781.53	3/4	2,419.56	3/4	2,057.52	

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 OF 2" DIAMETER "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "DBL 313"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,049.98	0	1,687.95	0	1,325.91	0	964.31	0	602.34	0	243.80	0		0		0		0	
1/4	2,042.44	1/4	1,680.40	1/4	1,318.37	1/4	956.78	1/4	594.80	1/4	236.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,034.90	1/2	1,672.86	1/2	1,310.83	1/2	949.25	1/2	587.26	1/2	229.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,027.35	3/4	1,665.32	3/4	1,303.28	3/4	941.72	3/4	579.72	3/4	221.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,019.81	1	1,657.78	1	1,295.74	1	934.19	1	572.18	1	214.22	1	1	1	1	1	1	1	1
1/4	2,012.27	1/4	1,650.23	1/4	1,288.20	1/4	926.65	1/4	564.63	1/4	206.82	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,004.73	1/2	1,642.69	1/2	1,280.66	1/2	919.11	1/2	557.09	1/2	199.41	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,997.18	3/4	1,635.15	3/4	1,273.11	3/4	911.57	3/4	549.55	3/4	192.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,989.64	2	1,627.61	2	1,265.57	2	904.03	2	542.01	2	184.59	2	2	2	2	2	2	2	2
1/4	1,982.10	1/4	1,620.06	1/4	1,258.03	1/4	896.49	1/4	534.47	1/4	177.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,974.56	1/2	1,612.52	1/2	1,250.49	1/2	888.94	1/2	526.92	1/2	169.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,967.01	3/4	1,604.98	3/4	1,242.95	3/4	881.40	3/4	519.38	3/4	162.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,959.47	3	1,597.44	3	1,235.41	3	873.86	3	511.84	3	154.60	3	3	3	3	3	3	3	3
1/4	1,951.93	1/4	1,589.89	1/4	1,227.87	1/4	866.32	1/4	504.30	1/4	147.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,944.39	1/2	1,582.35	1/2	1,220.34	1/2	858.78	1/2	496.75	1/2	139.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,936.84	3/4	1,574.81	3/4	1,212.81	3/4	851.23	3/4	489.21	3/4	132.02	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,929.30	4	1,567.27	4	1,205.28	4	843.69	4	481.67	4	124.49	4	4	4	4	4	4	4	4
1/4	1,921.76	1/4	1,559.72	1/4	1,197.75	1/4	836.15	1/4	474.13	1/4	116.96	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,914.22	1/2	1,552.18	1/2	1,190.22	1/2	828.61	1/2	466.59	1/2	109.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,906.67	3/4	1,544.64	3/4	1,182.69	3/4	821.06	3/4	459.04	3/4	102.06	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,899.13	5	1,537.10	5	1,175.16	5	813.52	5	451.50	5	94.62	5	5	5	5	5	5	5	5
1/4	1,891.59	1/4	1,529.55	1/4	1,167.63	1/4	805.98	1/4	443.96	1/4	87.17	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,884.05	1/2	1,522.01	1/2	1,160.10	1/2	798.44	1/2	436.44	1/2	80.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,876.51	3/4	1,514.47	3/4	1,152.57	3/4	790.90	3/4	428.91	3/4	73.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,868.96	6	1,506.93	6	1,145.04	6	783.35	6	421.39	6	66.94	6	6	6	6	6	6	6	6
1/4	1,861.42	1/4	1,499.39	1/4	1,137.51	1/4	775.81	1/4	413.86	1/4	60.20	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,853.88	1/2	1,491.84	1/2	1,129.97	1/2	768.27	1/2	406.47	1/2	54.72	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,846.34	3/4	1,484.30	3/4	1,122.44	3/4	760.73	3/4	399.08	3/4	49.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,838.79	7	1,476.76	7	1,114.91	7	753.19	7	391.68	7	43.75	7	7	7	7	7	7	7	7
1/4	1,831.25	1/4	1,469.22	1/4	1,107.38	1/4	745.64	1/4	384.29	1/4	38.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,823.71	1/2	1,461.67	1/2	1,099.85	1/2	738.10	1/2	376.89	1/2	34.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,816.17	3/4	1,454.13	3/4	1,092.32	3/4	730.56	3/4	369.50	3/4	29.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,808.62	8	1,446.59	8	1,084.79	8	723.02	8	362.10	8	25.58	8	8	8	8	8	8	8	8
1/4	1,801.08	1/4	1,439.05	1/4	1,077.26	1/4	715.48	1/4	354.71	1/4	21.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,793.54	1/2	1,431.50	1/2	1,069.73	1/2	707.93	1/2	347.32	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,786.00	3/4	1,423.96	3/4	1,062.20	3/4	700.39	3/4	339.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,778.45	9	1,416.42	9	1,054.67	9	692.85	9	332.53	9		9	9	9	9	9	9	9	9
1/4	1,770.91	1/4	1,408.88	1/4	1,047.14	1/4	685.31	1/4	325.13	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,763.37	1/2	1,401.33	1/2	1,039.61	1/2	677.76	1/2	317.74	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,755.83	3/4	1,393.79	3/4	1,032.08	3/4	670.22	3/4	310.34	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,748.28	10	1,386.25	10	1,024.55	10	662.68	10	302.95	10		10	10	10	10	10	10	10	10
1/4	1,740.74	1/4	1,378.71	1/4	1,017.02	1/4	655.14	1/4	295.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,733.20	1/2	1,371.16	1/2	1,009.49	1/2	647.60	1/2	288.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,725.66	3/4	1,363.62	3/4	1,001.96	3/4	640.05	3/4	280.77	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,718.11	11	1,356.08	11	994.43	11	632.51	11	273.37	11		11	11	11	11	11	11	11	11
1/4	1,710.57	1/4	1,348.54	1/4	986.90	1/4	624.97	1/4	265.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,703.03	1/2	1,340.99	1/2	979.37	1/2	617.43	1/2	258.58	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,695.49	3/4	1,333.45	3/4	971.84	3/4	609.89	3/4	251.19	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.

STRAPPED: 08/14/2019 SW JS  
CALCULATED: 08/14/2019 CL  
PRINTED: 08/14/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "DBL 313"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	4,896.04	0	4,562.23	0	4,209.31	0	3,847.61	0	3,485.90	0	3,124.19	0	2,762.50	0	2,402.40		
1/4	1/4	1/4	4,889.29	1/4	4,555.07	1/4	4,201.78	1/4	3,840.08	1/4	3,478.36	1/4	3,116.65	1/4	2,754.98	1/4	2,394.86		
1/2	1/2	1/2	5,214.55	1/2	4,882.53	1/2	4,547.91	1/2	4,194.26	1/2	3,832.54	1/2	3,470.83	1/2	3,109.12	1/2	2,747.45	1/2	2,387.33
3/4	3/4	3/4	5,209.44	3/4	4,875.75	3/4	4,540.72	3/4	4,186.72	3/4	3,825.01	3/4	3,463.29	3/4	3,101.58	3/4	2,740.03	3/4	2,379.79
1	1	1	5,204.34	1	4,868.96	1	4,533.52	1	4,179.18	1	3,817.47	1	3,455.76	1	3,094.04	1	2,732.60	1	2,372.25
1/4	1/4	1/4	5,199.23	1/4	4,862.18	1/4	4,526.33	1/4	4,171.65	1/4	3,809.94	1/4	3,448.22	1/4	3,086.51	1/4	2,725.17	1/4	2,364.71
1/2	1/2	1/2	5,194.12	1/2	4,855.39	1/2	4,519.13	1/2	4,164.11	1/2	3,802.40	1/2	3,440.69	1/2	3,078.97	1/2	2,717.74	1/2	2,357.17
3/4	3/4	3/4	5,187.81	3/4	4,848.58	3/4	4,511.90	3/4	4,156.58	3/4	3,794.86	3/4	3,433.15	3/4	3,071.44	3/4	2,710.31	3/4	2,349.63
2	2	2	5,181.49	2	4,841.76	2	4,504.68	2	4,149.04	2	3,787.33	2	3,425.61	2	3,063.90	2	2,702.88	2	2,342.09
1/4	1/4	1/4	5,175.17	1/4	4,834.95	1/4	4,497.45	1/4	4,141.51	1/4	3,779.79	1/4	3,418.08	1/4	3,056.37	1/4	2,695.45	1/4	2,334.56
1/2	1/2	1/2	5,168.85	1/2	4,828.13	1/2	4,490.22	1/2	4,133.97	1/2	3,772.26	1/2	3,410.54	1/2	3,048.83	1/2	2,688.02	1/2	2,327.02
3/4	3/4	3/4	5,161.55	3/4	4,821.28	3/4	4,482.96	3/4	4,126.43	3/4	3,764.72	3/4	3,403.01	3/4	3,041.29	3/4	2,680.59	3/4	2,319.48
3	3	3	5,154.25	3	4,814.44	3	4,475.71	3	4,118.90	3	3,757.19	3	3,395.47	3	3,033.76	3	2,673.16	3	2,311.94
1/4	1/4	1/4	5,146.95	1/4	4,807.59	1/4	4,468.45	1/4	4,111.36	1/4	3,749.65	1/4	3,387.94	1/4	3,026.22	1/4	2,665.73	1/4	2,304.40
1/2	1/2	1/2	5,139.65	1/2	4,800.75	1/2	4,461.19	1/2	4,103.83	1/2	3,742.11	1/2	3,380.40	1/2	3,018.69	1/2	2,658.30	1/2	2,296.86
3/4	3/4	3/4	5,132.22	3/4	4,793.87	3/4	4,453.90	3/4	4,096.29	3/4	3,734.58	3/4	3,372.86	3/4	3,011.15	3/4	2,650.86	3/4	2,289.32
4	4	4	5,124.78	4	4,786.99	4	4,446.61	4	4,088.76	4	3,727.04	4	3,365.33	4	3,003.62	4	2,643.42	4	2,281.79
1/4	1/4	1/4	5,117.34	1/4	4,780.11	1/4	4,439.33	1/4	4,081.22	1/4	3,719.51	1/4	3,357.79	1/4	2,996.08	1/4	2,635.98	1/4	2,274.25
1/2	1/2	1/2	5,109.90	1/2	4,773.23	1/2	4,432.04	1/2	4,073.68	1/2	3,711.97	1/2	3,350.26	1/2	2,988.54	1/2	2,628.53	1/2	2,266.71
3/4	3/4	3/4	5,102.47	3/4	4,766.32	3/4	4,424.72	3/4	4,066.15	3/4	3,704.44	3/4	3,342.72	3/4	2,981.01	3/4	2,621.00	3/4	2,259.17
5	5	5	5,095.03	5	4,759.40	5	4,417.39	5	4,058.61	5	3,696.90	5	3,335.19	5	2,973.47	5	2,613.47	5	2,251.63
1/4	1/4	1/4	5,087.59	1/4	4,752.49	1/4	4,410.07	1/4	4,051.08	1/4	3,689.36	1/4	3,327.65	1/4	2,965.94	1/4	2,605.94	1/4	2,244.09
1/2	1/2	1/2	5,080.15	1/2	4,745.58	1/2	4,402.75	1/2	4,043.54	1/2	3,681.83	1/2	3,320.11	1/2	2,958.40	1/2	2,598.40	1/2	2,236.56
3/4	3/4	3/4	5,072.72	3/4	4,738.63	3/4	4,395.39	3/4	4,036.01	3/4	3,674.29	3/4	3,312.58	3/4	2,950.87	3/4	2,590.86	3/4	2,229.02
6	6	6	5,065.28	6	4,731.69	6	4,388.04	6	4,028.47	6	3,666.76	6	3,305.04	6	2,943.33	6	2,583.33	6	2,221.48
1/4	1/4	1/4	5,057.84	1/4	4,724.75	1/4	4,380.68	1/4	4,020.93	1/4	3,659.22	1/4	3,297.51	1/4	2,935.79	1/4	2,575.79	1/4	2,213.94
1/2	1/2	1/2	5,050.40	1/2	4,717.80	1/2	4,373.33	1/2	4,013.40	1/2	3,651.69	1/2	3,289.97	1/2	2,928.26	1/2	2,568.25	1/2	2,206.40
3/4	3/4	3/4	5,042.97	3/4	4,710.83	3/4	4,365.94	3/4	4,005.86	3/4	3,644.15	3/4	3,282.44	3/4	2,920.72	3/4	2,560.71	3/4	2,198.86
7	7	7	5,035.53	7	4,703.85	7	4,358.56	7	3,998.33	7	3,636.61	7	3,274.90	7	2,913.19	7	2,553.17	7	2,191.32
1/4	1/4	1/4	5,028.09	1/4	4,696.87	1/4	4,351.17	1/4	3,990.79	1/4	3,629.08	1/4	3,267.36	1/4	2,905.65	1/4	2,545.63	1/4	2,183.79
1/2	1/2	1/2	5,020.66	1/2	4,689.90	1/2	4,343.79	1/2	3,983.26	1/2	3,621.54	1/2	3,259.83	1/2	2,898.12	1/2	2,538.10	1/2	2,176.25
3/4	3/4	3/4	5,013.27	3/4	4,682.86	3/4	4,336.37	3/4	3,975.72	3/4	3,614.01	3/4	3,252.29	3/4	2,890.58	3/4	2,530.56	3/4	2,168.71
8	8	8	5,005.89	8	4,675.82	8	4,328.95	8	3,968.19	8	3,606.47	8	3,244.76	8	2,883.04	8	2,523.02	8	2,161.17
1/4	1/4	1/4	4,998.50	1/4	4,668.79	1/4	4,321.54	1/4	3,960.65	1/4	3,598.94	1/4	3,237.22	1/4	2,875.51	1/4	2,515.48	1/4	2,153.63
1/2	1/2	1/2	4,991.12	1/2	4,661.75	1/2	4,314.12	1/2	3,953.11	1/2	3,591.40	1/2	3,229.69	1/2	2,867.97	1/2	2,507.94	1/2	2,146.09
3/4	3/4	3/4	4,984.14	3/4	4,654.68	3/4	4,306.68	3/4	3,945.58	3/4	3,583.86	3/4	3,222.15	3/4	2,860.44	3/4	2,500.40	3/4	2,138.55
9	9	9	4,977.16	9	4,647.61	9	4,299.23	9	3,938.04	9	3,576.33	9	3,214.62	9	2,852.90	9	2,492.86	9	2,131.02
1/4	1/4	1/4	4,970.18	1/4	4,640.54	1/4	4,291.79	1/4	3,930.51	1/4	3,568.79	1/4	3,207.08	1/4	2,845.37	1/4	2,485.33	1/4	2,123.48
1/2	1/2	1/2	4,963.21	1/2	4,633.47	1/2	4,284.34	1/2	3,922.97	1/2	3,561.26	1/2	3,199.54	1/2	2,837.83	1/2	2,477.79	1/2	2,115.94
3/4	3/4	3/4	4,956.52	3/4	4,626.37	3/4	4,276.86	3/4	3,915.44	3/4	3,553.72	3/4	3,192.01	3/4	2,830.29	3/4	2,470.25	3/4	2,108.40
10	10	10	4,949.83	10	4,619.27	10	4,269.38	10	3,907.90	10	3,546.19	10	3,184.47	10	2,822.76	10	2,462.71	10	2,100.86
1/4	1/4	1/4	4,943.14	1/4	4,612.17	1/4	4,261.90	1/4	3,900.36	1/4	3,538.65	1/4	3,176.94	1/4	2,815.22	1/4	2,455.17	1/4	2,093.32
1/2	1/2	1/2	4,936.45	1/2	4,605.07	1/2	4,254.42	1/2	3,892.83	1/2	3,531.11	1/2	3,169.40	1/2	2,807.69	1/2	2,447.63	1/2	2,085.79
3/4	3/4	3/4	4,929.72	3/4	4,597.94	3/4	4,246.91	3/4	3,885.29	3/4	3,523.58	3/4	3,161.87	3/4	2,800.15	3/4	2,440.09	3/4	2,078.25
11	11	11	4,923.00	11	4,590.81	11	4,239.39	11	3,877.76	11	3,516.04	11	3,154.33	11	2,792.62	11	2,432.56	11	2,070.71
1/4	1/4	1/4	4,916.28	1/4	4,583.68	1/4	4,231.88	1/4	3,870.22	1/4	3,508.51	1/4	3,146.79	1/4	2,785.08	1/4	2,425.02	1/4	2,063.17
1/2	1/2	1/2	4,909.55	1/2	4,576.55	1/2	4,224.37	1/2	3,862.69	1/2	3,500.97	1/2	3,139.26	1/2	2,777.54	1/2	2,417.48	1/2	2,055.63
3/4	3/4	3/4	4,902.80	3/4	4,569.39	3/4	4,216.84	3/4	3,855.15	3/4	3,493.44	3/4	3,131.72	3/4	2,770.02	3/4	2,409.94	3/4	2,048.09

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD

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





# BARGE "DBL 313"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,040.55	0	1,678.71	0	1,316.86	0	968.18	0	609.57	0	251.06	0		0		0		0	
1/4	2,033.02	1/4	1,671.17	1/4	1,309.32	1/4	960.99	1/4	602.03	1/4	243.67	1/4		1/4		1/4		1/4	
1/2	2,025.48	1/2	1,663.63	1/2	1,301.78	1/2	953.79	1/2	594.49	1/2	236.28	1/2		1/2		1/2		1/2	
3/4	2,017.94	3/4	1,656.09	3/4	1,294.24	3/4	946.60	3/4	586.95	3/4	228.89	3/4		3/4		3/4		3/4	
1	2,010.40	1	1,648.55	1	1,286.70	1	939.40	1	579.42	1	221.50	1		1		1		1	
1/4	2,002.86	1/4	1,641.01	1/4	1,279.17	1/4	932.20	1/4	571.88	1/4	214.11	1/4		1/4		1/4		1/4	
1/2	1,995.32	1/2	1,633.48	1/2	1,271.63	1/2	925.01	1/2	564.34	1/2	206.72	1/2		1/2		1/2		1/2	
3/4	1,987.78	3/4	1,625.94	3/4	1,264.13	3/4	917.76	3/4	556.80	3/4	199.31	3/4		3/4		3/4		3/4	
2	1,980.25	2	1,618.40	2	1,256.63	2	910.51	2	549.26	2	191.90	2		2		2		2	
1/4	1,972.71	1/4	1,610.86	1/4	1,249.14	1/4	903.27	1/4	541.72	1/4	184.49	1/4		1/4		1/4		1/4	
1/2	1,965.17	1/2	1,603.32	1/2	1,241.64	1/2	896.02	1/2	534.19	1/2	177.09	1/2		1/2		1/2		1/2	
3/4	1,957.63	3/4	1,595.78	3/4	1,234.43	3/4	888.48	3/4	526.65	3/4	169.56	3/4		3/4		3/4		3/4	
3	1,950.09	3	1,588.24	3	1,227.23	3	880.94	3	519.11	3	162.04	3		3		3		3	
1/4	1,942.55	1/4	1,580.71	1/4	1,220.02	1/4	873.40	1/4	511.57	1/4	154.52	1/4		1/4		1/4		1/4	
1/2	1,935.02	1/2	1,573.17	1/2	1,212.82	1/2	865.87	1/2	504.03	1/2	146.99	1/2		1/2		1/2		1/2	
3/4	1,927.48	3/4	1,565.63	3/4	1,205.62	3/4	858.33	3/4	496.49	3/4	139.47	3/4		3/4		3/4		3/4	
4	1,919.94	4	1,558.09	4	1,198.43	4	850.79	4	488.96	4	131.95	4		4		4		4	
1/4	1,912.40	1/4	1,550.55	1/4	1,191.23	1/4	843.25	1/4	481.42	1/4	124.42	1/4		1/4		1/4		1/4	
1/2	1,904.86	1/2	1,543.01	1/2	1,184.04	1/2	835.71	1/2	473.88	1/2	116.90	1/2		1/2		1/2		1/2	
3/4	1,897.32	3/4	1,535.47	3/4	1,176.84	3/4	828.18	3/4	466.34	3/4	109.46	3/4		3/4		3/4		3/4	
5	1,889.78	5	1,527.94	5	1,169.65	5	820.64	5	458.80	5	102.01	5		5		5		5	
1/4	1,882.25	1/4	1,520.40	1/4	1,162.45	1/4	813.10	1/4	451.27	1/4	94.57	1/4		1/4		1/4		1/4	
1/2	1,874.71	1/2	1,512.86	1/2	1,155.26	1/2	805.56	1/2	443.73	1/2	87.12	1/2		1/2		1/2		1/2	
3/4	1,867.17	3/4	1,505.32	3/4	1,148.06	3/4	798.02	3/4	436.21	3/4	80.38	3/4		3/4		3/4		3/4	
6	1,859.63	6	1,497.78	6	1,140.87	6	790.48	6	428.69	6	73.65	6		6		6		6	
1/4	1,852.09	1/4	1,490.24	1/4	1,133.67	1/4	782.95	1/4	421.17	1/4	66.91	1/4		1/4		1/4		1/4	
1/2	1,844.55	1/2	1,482.71	1/2	1,126.48	1/2	775.41	1/2	413.65	1/2	60.17	1/2		1/2		1/2		1/2	
3/4	1,837.01	3/4	1,475.17	3/4	1,119.28	3/4	767.87	3/4	406.26	3/4	54.69	3/4		3/4		3/4		3/4	
7	1,829.48	7	1,467.63	7	1,112.09	7	760.33	7	398.87	7	49.21	7		7		7		7	
1/4	1,821.94	1/4	1,460.09	1/4	1,104.89	1/4	752.79	1/4	391.48	1/4	43.73	1/4		1/4		1/4		1/4	
1/2	1,814.40	1/2	1,452.55	1/2	1,097.70	1/2	745.26	1/2	384.09	1/2	38.25	1/2		1/2		1/2		1/2	
3/4	1,806.86	3/4	1,445.01	3/4	1,090.50	3/4	737.72	3/4	376.70	3/4	34.02	3/4		3/4		3/4		3/4	
8	1,799.32	8	1,437.47	8	1,083.31	8	730.18	8	369.31	8	29.79	8		8		8		8	
1/4	1,791.78	1/4	1,429.94	1/4	1,076.11	1/4	722.64	1/4	361.92	1/4	25.57	1/4		1/4		1/4		1/4	
1/2	1,784.25	1/2	1,422.40	1/2	1,068.92	1/2	715.10	1/2	354.53	1/2	21.34	1/2		1/2		1/2		1/2	
3/4	1,776.71	3/4	1,414.86	3/4	1,061.72	3/4	707.56	3/4	347.13	3/4		3/4		3/4		3/4		3/4	
9	1,769.17	9	1,407.32	9	1,054.53	9	700.03	9	339.74	9		9		9		9		9	
1/4	1,761.63	1/4	1,399.78	1/4	1,047.33	1/4	692.49	1/4	332.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,754.09	1/2	1,392.24	1/2	1,040.14	1/2	684.95	1/2	324.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,746.55	3/4	1,384.70	3/4	1,032.94	3/4	677.41	3/4	317.57	3/4		3/4		3/4		3/4		3/4	
10	1,739.01	10	1,377.17	10	1,025.75	10	669.87	10	310.18	10		10		10		10		10	
1/4	1,731.48	1/4	1,369.63	1/4	1,018.55	1/4	662.34	1/4	302.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,723.94	1/2	1,362.09	1/2	1,011.36	1/2	654.80	1/2	295.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,716.40	3/4	1,354.55	3/4	1,004.16	3/4	647.26	3/4	288.01	3/4		3/4		3/4		3/4		3/4	
11	1,708.86	11	1,347.01	11	996.97	11	639.72	11	280.62	11		11		11		11		11	
1/4	1,701.32	1/4	1,339.47	1/4	989.77	1/4	632.18	1/4	273.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,693.78	1/2	1,331.94	1/2	982.58	1/2	624.64	1/2	265.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,686.24	3/4	1,324.40	3/4	975.38	3/4	617.11	3/4	258.45	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/14/2019 SW JS  
CALCULATED: 08/14/2019 CL  
PRINTED: 08/14/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "DBL 313"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	4,241.54	0	4,074.13	0	3,888.08	0	3,693.63	0	3,487.14	0	3,127.93	0	2,767.46	0	2,406.38		
1/4	1/4	4,404.79	1/4	4,238.25	1/4	4,070.45	1/4	3,884.04	1/4	3,689.58	1/4	3,479.65	1/4	3,120.42	1/4	2,729.94	1/4	2,398.86	
1/2	1/2	4,403.13	1/2	4,234.94	1/2	4,066.74	1/2	3,879.98	1/2	3,685.53	1/2	3,472.16	1/2	3,112.91	1/2	2,752.41	1/2	2,391.34	
3/4	3/4	4,401.47	3/4	4,231.62	3/4	4,063.03	3/4	3,875.93	3/4	3,681.48	3/4	3,464.67	3/4	3,105.40	3/4	2,744.89	3/4	2,383.81	
1	1	4,399.81	1	4,228.30	1	4,059.32	1	3,871.88	1	3,677.43	1	3,457.18	1	3,097.90	1	2,737.37	1	2,376.22	
1/4	1/4	4,398.15	1/4	4,224.99	1/4	4,055.61	1/4	3,867.83	1/4	3,673.38	1/4	3,449.69	1/4	3,090.39	1/4	2,729.85	1/4	2,368.79	
1/2	1/2	4,395.27	1/2	4,221.64	1/2	4,051.87	1/2	3,863.78	1/2	3,669.33	1/2	3,442.20	1/2	3,082.88	1/2	2,722.33	1/2	2,361.25	
3/4	3/4	4,392.39	3/4	4,218.30	3/4	4,048.12	3/4	3,859.73	3/4	3,665.28	3/4	3,434.71	3/4	3,075.37	3/4	2,714.81	3/4	2,353.72	
2	2	4,389.51	2	4,214.95	2	4,044.38	2	3,855.68	2	3,661.22	2	3,427.22	2	3,067.86	2	2,707.28	2	2,346.20	
1/4	1/4	4,386.62	1/4	4,211.60	1/4	4,040.64	1/4	3,851.63	1/4	3,657.17	1/4	3,419.73	1/4	3,060.35	1/4	2,699.76	1/4	2,338.68	
1/2	1/2	4,382.76	1/2	4,208.23	1/2	4,036.86	1/2	3,847.58	1/2	3,653.12	1/2	3,412.24	1/2	3,052.84	1/2	2,692.24	1/2	2,331.15	
3/4	3/4	4,378.90	3/4	4,204.85	3/4	4,033.09	3/4	3,843.52	3/4	3,649.07	3/4	3,404.75	3/4	3,045.33	3/4	2,684.72	3/4	2,323.63	
3	3	4,375.03	3	4,201.47	3	4,029.32	3	3,839.47	3	3,645.02	3	3,397.26	3	3,037.82	3	2,677.20	3	2,316.11	
1/4	1/4	4,371.17	1/4	4,198.10	1/4	4,025.54	1/4	3,835.42	1/4	3,640.97	1/4	3,389.77	1/4	3,030.32	1/4	2,669.68	1/4	2,308.58	
1/2	1/2	4,367.17	1/2	4,194.69	1/2	4,021.74	1/2	3,831.37	1/2	3,636.92	1/2	3,382.28	1/2	3,022.81	1/2	2,662.15	1/2	2,301.06	
3/4	3/4	4,363.17	3/4	4,191.28	3/4	4,017.93	3/4	3,827.32	3/4	3,632.87	3/4	3,374.79	3/4	3,015.30	3/4	2,654.63	3/4	2,293.54	
4	4	4,359.18	4	4,187.86	4	4,014.13	4	3,823.27	4	3,628.82	4	3,367.30	4	3,007.79	4	2,647.11	4	2,286.02	
1/4	1/4	4,355.18	1/4	4,184.45	1/4	4,010.33	1/4	3,819.22	1/4	3,624.77	1/4	3,359.81	1/4	3,000.28	1/4	2,639.59	1/4	2,278.49	
1/2	1/2	4,351.18	1/2	4,181.01	1/2	4,006.49	1/2	3,815.17	1/2	3,620.71	1/2	3,352.32	1/2	2,992.77	1/2	2,632.07	1/2	2,270.97	
3/4	3/4	4,347.18	3/4	4,177.57	3/4	4,002.65	3/4	3,811.12	3/4	3,616.66	3/4	3,344.84	3/4	2,985.26	3/4	2,624.55	3/4	2,263.45	
5	5	4,343.18	5	4,174.12	5	3,998.81	5	3,807.06	5	3,612.61	5	3,337.35	5	2,977.75	5	2,617.03	5	2,255.92	
1/4	1/4	4,339.19	1/4	4,170.68	1/4	3,994.97	1/4	3,803.01	1/4	3,608.56	1/4	3,329.86	1/4	2,970.25	1/4	2,609.51	1/4	2,248.40	
1/2	1/2	4,335.19	1/2	4,167.21	1/2	3,991.10	1/2	3,798.96	1/2	3,604.51	1/2	3,322.39	1/2	2,962.74	1/2	2,601.98	1/2	2,240.88	
3/4	3/4	4,331.19	3/4	4,163.73	3/4	3,987.23	3/4	3,794.91	3/4	3,600.46	3/4	3,314.91	3/4	2,955.23	3/4	2,594.46	3/4	2,233.35	
6	6	4,327.19	6	4,160.26	6	3,983.36	6	3,790.86	6	3,596.41	6	3,307.44	6	2,947.72	6	2,586.94	6	2,225.83	
1/4	1/4	4,323.19	1/4	4,156.78	1/4	3,979.49	1/4	3,786.81	1/4	3,592.36	1/4	3,299.96	1/4	2,940.21	1/4	2,579.41	1/4	2,218.31	
1/2	1/2	4,319.20	1/2	4,153.28	1/2	3,975.59	1/2	3,782.76	1/2	3,588.31	1/2	3,292.49	1/2	2,932.70	1/2	2,571.89	1/2	2,210.79	
3/4	3/4	4,315.20	3/4	4,149.77	3/4	3,971.69	3/4	3,778.71	3/4	3,584.25	3/4	3,285.01	3/4	2,925.19	3/4	2,564.37	3/4	2,203.26	
7	7	4,311.20	7	4,146.27	7	3,967.79	7	3,774.66	7	3,580.20	7	3,277.54	7	2,917.68	7	2,556.84	7	2,195.74	
1/4	1/4	4,307.20	1/4	4,142.76	1/4	3,963.89	1/4	3,770.60	1/4	3,576.15	1/4	3,270.06	1/4	2,910.18	1/4	2,549.32	1/4	2,188.22	
1/2	1/2	4,303.26	1/2	4,139.21	1/2	3,959.95	1/2	3,766.55	1/2	3,572.10	1/2	3,262.59	1/2	2,902.67	1/2	2,541.80	1/2	2,180.69	
3/4	3/4	4,299.31	3/4	4,135.66	3/4	3,956.02	3/4	3,762.50	3/4	3,568.05	3/4	3,255.12	3/4	2,895.16	3/4	2,534.28	3/4	2,173.17	
8	8	4,295.37	8	4,132.10	8	3,952.09	8	3,758.45	8	3,564.00	8	3,247.64	8	2,887.65	8	2,526.75	8	2,165.65	
1/4	1/4	4,291.42	1/4	4,128.55	1/4	3,948.16	1/4	3,754.40	1/4	3,559.95	1/4	3,240.17	1/4	2,880.14	1/4	2,519.23	1/4	2,158.12	
1/2	1/2	4,287.89	1/2	4,124.96	1/2	3,944.20	1/2	3,750.35	1/2	3,555.90	1/2	3,232.69	1/2	2,872.63	1/2	2,511.71	1/2	2,150.60	
3/4	3/4	4,284.35	3/4	4,121.38	3/4	3,940.24	3/4	3,746.30	3/4	3,551.85	3/4	3,225.22	3/4	2,865.12	3/4	2,504.18	3/4	2,143.08	
9	9	4,280.82	9	4,117.79	9	3,936.28	9	3,742.25	9	3,547.79	9	3,217.74	9	2,857.61	9	2,496.66	9	2,135.56	
1/4	1/4	4,277.28	1/4	4,114.21	1/4	3,932.31	1/4	3,738.20	1/4	3,543.74	1/4	3,210.27	1/4	2,850.10	1/4	2,489.14	1/4	2,128.03	
1/2	1/2	4,274.07	1/2	4,110.59	1/2	3,928.32	1/2	3,734.14	1/2	3,539.69	1/2	3,202.79	1/2	2,842.60	1/2	2,481.61	1/2	2,120.51	
3/4	3/4	4,270.85	3/4	4,106.97	3/4	3,924.32	3/4	3,730.09	3/4	3,535.64	3/4	3,195.32	3/4	2,835.09	3/4	2,474.09	3/4	2,112.99	
10	10	4,267.63	10	4,103.36	10	3,920.33	10	3,726.04	10	3,531.59	10	3,187.85	10	2,827.58	10	2,466.57	10	2,105.46	
1/4	1/4	4,264.41	1/4	4,099.74	1/4	3,916.33	1/4	3,721.99	1/4	3,527.54	1/4	3,180.37	1/4	2,820.07	1/4	2,459.05	1/4	2,097.94	
1/2	1/2	4,261.16	1/2	4,096.10	1/2	3,912.30	1/2	3,717.94	1/2	3,523.06	1/2	3,172.89	1/2	2,812.56	1/2	2,451.52	1/2	2,090.42	
3/4	3/4	4,257.90	3/4	4,092.45	3/4	3,908.28	3/4	3,713.89	3/4	3,518.58	3/4	3,165.41	3/4	2,805.05	3/4	2,444.00	3/4	2,082.89	
11	11	4,254.65	11	4,088.80	11	3,904.25	11	3,709.84	11	3,514.10	11	3,157.94	11	2,797.54	11	2,436.48	11	2,075.37	
1/4	1/4	4,251.40	1/4	4,085.16	1/4	3,900.22	1/4	3,705.79	1/4	3,509.61	1/4	3,150.46	1/4	2,790.03	1/4	2,428.95	1/4	2,067.85	
1/2	1/2	4,248.11	1/2	4,081.48	1/2	3,896.17	1/2	3,701.74	1/2	3,502.12	1/2	3,142.95	1/2	2,782.50	1/2	2,421.43	1/2	2,060.33	
3/4	3/4	4,244.83	3/4	4,077.81	3/4	3,892.13	3/4	3,697.68	3/4	3,494.63	3/4	3,135.44	3/4	2,774.98	3/4	2,413.91	3/4	2,052.80	

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 OF 2" DIAMETER "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD

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



# BARGE "DBL 313"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,045.28	0	1,684.09	0	1,322.90	0	962.03	0	600.92	0	243.22	0		0		0		0	
1/4	2,037.76	1/4	1,676.57	1/4	1,315.38	1/4	954.51	1/4	593.39	1/4	235.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,030.23	1/2	1,669.04	1/2	1,307.85	1/2	946.99	1/2	585.87	1/2	228.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,022.71	3/4	1,661.52	3/4	1,300.33	3/4	939.48	3/4	578.34	3/4	221.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,015.19	1	1,653.99	1	1,292.80	1	931.96	1	570.82	1	213.72	1	1	1	1	1	1	1	1
1/4	2,007.66	1/4	1,646.47	1/4	1,285.28	1/4	924.45	1/4	563.30	1/4	206.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,000.14	1/2	1,638.95	1/2	1,277.76	1/2	916.93	1/2	555.77	1/2	198.95	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,992.61	3/4	1,631.42	3/4	1,270.23	3/4	909.41	3/4	548.25	3/4	191.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,985.09	2	1,623.90	2	1,262.71	2	901.89	2	540.72	2	184.16	2	2	2	2	2	2	2	2
1/4	1,977.56	1/4	1,616.37	1/4	1,255.18	1/4	894.37	1/4	533.20	1/4	176.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,970.04	1/2	1,608.85	1/2	1,247.66	1/2	886.85	1/2	525.67	1/2	169.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,962.51	3/4	1,601.32	3/4	1,240.13	3/4	879.32	3/4	518.15	3/4	161.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,954.99	3	1,593.80	3	1,232.61	3	871.80	3	510.62	3	154.24	3	3	3	3	3	3	3	3
1/4	1,947.46	1/4	1,586.27	1/4	1,225.08	1/4	864.28	1/4	503.10	1/4	146.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,939.94	1/2	1,578.75	1/2	1,217.56	1/2	856.75	1/2	495.57	1/2	139.22	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,932.41	3/4	1,571.22	3/4	1,210.04	3/4	849.23	3/4	488.05	3/4	131.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,924.89	4	1,563.70	4	1,202.52	4	841.70	4	480.53	4	124.20	4	4	4	4	4	4	4	4
1/4	1,917.36	1/4	1,556.17	1/4	1,195.00	1/4	834.18	1/4	473.00	1/4	116.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,909.84	1/2	1,548.65	1/2	1,187.48	1/2	826.65	1/2	465.48	1/2	109.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,902.31	3/4	1,541.12	3/4	1,179.97	3/4	819.13	3/4	457.95	3/4	101.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,894.79	5	1,533.60	5	1,172.45	5	811.60	5	450.43	5	94.40	5	5	5	5	5	5	5	5
1/4	1,887.26	1/4	1,526.07	1/4	1,164.94	1/4	804.08	1/4	442.90	1/4	86.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,879.74	1/2	1,518.55	1/2	1,157.42	1/2	796.55	1/2	435.40	1/2	80.24	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,872.21	3/4	1,511.02	3/4	1,149.91	3/4	789.03	3/4	427.89	3/4	73.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,864.69	6	1,503.50	6	1,142.39	6	781.51	6	420.39	6	66.79	6	6	6	6	6	6	6	6
1/4	1,857.16	1/4	1,495.97	1/4	1,134.88	1/4	773.98	1/4	412.88	1/4	60.06	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,849.64	1/2	1,488.45	1/2	1,127.36	1/2	766.46	1/2	405.50	1/2	54.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,842.11	3/4	1,480.92	3/4	1,119.85	3/4	758.93	3/4	398.13	3/4	49.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,834.59	7	1,473.40	7	1,112.33	7	751.41	7	390.75	7	43.65	7	7	7	7	7	7	7	7
1/4	1,827.07	1/4	1,465.87	1/4	1,104.82	1/4	743.88	1/4	383.37	1/4	38.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,819.54	1/2	1,458.35	1/2	1,097.30	1/2	736.36	1/2	376.00	1/2	33.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,812.02	3/4	1,450.83	3/4	1,089.79	3/4	728.83	3/4	368.62	3/4	29.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,804.49	8	1,443.30	8	1,082.27	8	721.31	8	361.24	8	25.52	8	8	8	8	8	8	8	8
1/4	1,796.97	1/4	1,435.78	1/4	1,074.75	1/4	713.79	1/4	353.87	1/4	21.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,789.44	1/2	1,428.25	1/2	1,067.24	1/2	706.26	1/2	346.49	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,781.92	3/4	1,420.73	3/4	1,059.72	3/4	698.74	3/4	339.12	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,774.39	9	1,413.20	9	1,052.21	9	691.21	9	331.74	9		9	9	9	9	9	9	9	9
1/4	1,766.87	1/4	1,405.68	1/4	1,044.69	1/4	683.69	1/4	324.36	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,759.34	1/2	1,398.15	1/2	1,037.18	1/2	676.16	1/2	316.99	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,751.82	3/4	1,390.63	3/4	1,029.66	3/4	668.64	3/4	309.61	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,744.29	10	1,383.10	10	1,022.15	10	661.11	10	302.23	10		10	10	10	10	10	10	10	10
1/4	1,736.77	1/4	1,375.58	1/4	1,014.63	1/4	653.59	1/4	294.86	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,729.24	1/2	1,368.05	1/2	1,007.12	1/2	646.06	1/2	287.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,721.72	3/4	1,360.53	3/4	999.60	3/4	638.54	3/4	280.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,714.19	11	1,353.00	11	992.09	11	631.02	11	272.73	11		11	11	11	11	11	11	11	11
1/4	1,706.67	1/4	1,345.48	1/4	984.57	1/4	623.49	1/4	265.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,699.14	1/2	1,337.95	1/2	977.06	1/2	615.97	1/2	257.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,691.62	3/4	1,330.43	3/4	969.54	3/4	608.44	3/4	250.60	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.

STRAPPED: 08/14/2019 SW JS  
CALCULATED: 08/14/2019 CL  
PRINTED: 08/14/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "DBL 313"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	4,203.33	0	4,036.98	0	3,852.03	0	3,658.70	0	3,453.35	0	3,095.59	0	2,736.79	0	2,378.84	0	2,378.84
1/4	1/4	1/4	4,365.55	1/4	4,200.07	1/4	4,033.33	1/4	3,848.01	1/4	3,654.67	1/4	3,445.89	1/4	3,088.11	1/4	2,729.31	1/4	2,371.35
1/2	1/2	1/2	4,363.91	1/2	4,196.77	1/2	4,029.64	1/2	3,843.98	1/2	3,650.65	1/2	3,438.43	1/2	3,080.63	1/2	2,721.93	1/2	2,363.85
3/4	3/4	3/4	4,362.26	3/4	4,193.48	3/4	4,025.95	3/4	3,839.96	3/4	3,646.62	3/4	3,430.97	3/4	3,073.15	3/4	2,714.54	3/4	2,356.36
1	1	1	4,360.62	1	4,190.19	1	4,022.27	1	3,835.93	1	3,642.59	1	3,423.51	1	3,065.68	1	2,707.16	1	2,348.87
1/4	1/4	1/4	4,358.98	1/4	4,186.89	1/4	4,018.58	1/4	3,831.90	1/4	3,638.56	1/4	3,416.05	1/4	3,058.20	1/4	2,699.77	1/4	2,341.37
1/2	1/2	1/2	4,356.12	1/2	4,183.57	1/2	4,014.86	1/2	3,827.87	1/2	3,634.53	1/2	3,408.59	1/2	3,050.73	1/2	2,692.39	1/2	2,333.88
3/4	3/4	3/4	4,353.26	3/4	4,180.24	3/4	4,011.14	3/4	3,823.84	3/4	3,630.51	3/4	3,401.13	3/4	3,043.26	3/4	2,685.00	3/4	2,326.39
2	2	2	4,350.40	2	4,176.92	2	4,007.41	2	3,819.82	2	3,626.48	2	3,393.67	2	3,035.79	2	2,677.62	2	2,318.90
1/4	1/4	1/4	4,347.54	1/4	4,173.59	1/4	4,003.69	1/4	3,815.79	1/4	3,622.45	1/4	3,386.21	1/4	3,028.32	1/4	2,670.24	1/4	2,311.40
1/2	1/2	1/2	4,343.70	1/2	4,170.24	1/2	3,999.94	1/2	3,811.76	1/2	3,618.42	1/2	3,378.75	1/2	3,020.84	1/2	2,662.85	1/2	2,303.91
3/4	3/4	3/4	4,339.86	3/4	4,166.88	3/4	3,996.19	3/4	3,807.73	3/4	3,614.39	3/4	3,371.29	3/4	3,013.37	3/4	2,655.47	3/4	2,296.42
3	3	3	4,336.02	3	4,163.53	3	3,992.44	3	3,803.71	3	3,610.37	3	3,363.83	3	3,005.90	3	2,648.08	3	2,288.93
1/4	1/4	1/4	4,332.18	1/4	4,160.17	1/4	3,988.69	1/4	3,799.68	1/4	3,606.34	1/4	3,356.37	1/4	2,998.43	1/4	2,640.70	1/4	2,281.43
1/2	1/2	1/2	4,328.20	1/2	4,156.79	1/2	3,984.91	1/2	3,795.65	1/2	3,602.31	1/2	3,348.91	1/2	2,990.96	1/2	2,633.30	1/2	2,273.94
3/4	3/4	3/4	4,324.23	3/4	4,153.40	3/4	3,981.13	3/4	3,791.62	3/4	3,598.28	3/4	3,341.45	3/4	2,983.49	3/4	2,625.90	3/4	2,266.45
4	4	4	4,320.25	4	4,150.01	4	3,977.35	4	3,787.59	4	3,594.25	4	3,333.99	4	2,976.02	4	2,618.50	4	2,258.96
1/4	1/4	1/4	4,316.28	1/4	4,146.62	1/4	3,973.56	1/4	3,783.57	1/4	3,590.23	1/4	3,326.53	1/4	2,968.55	1/4	2,611.10	1/4	2,251.46
1/2	1/2	1/2	4,312.30	1/2	4,143.20	1/2	3,969.75	1/2	3,779.54	1/2	3,586.20	1/2	3,319.08	1/2	2,961.08	1/2	2,603.61	1/2	2,243.97
3/4	3/4	3/4	4,308.33	3/4	4,139.78	3/4	3,965.93	3/4	3,775.51	3/4	3,582.17	3/4	3,311.62	3/4	2,953.61	3/4	2,596.12	3/4	2,236.48
5	5	5	4,304.35	5	4,136.35	5	3,962.12	5	3,771.48	5	3,578.14	5	3,304.16	5	2,946.14	5	2,588.63	5	2,228.99
1/4	1/4	1/4	4,300.38	1/4	4,132.93	1/4	3,958.30	1/4	3,767.45	1/4	3,574.12	1/4	3,296.70	1/4	2,938.66	1/4	2,581.14	1/4	2,221.49
1/2	1/2	1/2	4,296.40	1/2	4,129.48	1/2	3,954.46	1/2	3,763.43	1/2	3,570.09	1/2	3,289.26	1/2	2,931.19	1/2	2,573.65	1/2	2,214.00
3/4	3/4	3/4	4,292.43	3/4	4,126.03	3/4	3,950.61	3/4	3,759.40	3/4	3,566.06	3/4	3,281.81	3/4	2,923.72	3/4	2,566.15	3/4	2,206.51
6	6	6	4,288.45	6	4,122.58	6	3,946.76	6	3,755.37	6	3,562.03	6	3,274.37	6	2,916.25	6	2,558.66	6	2,199.02
1/4	1/4	1/4	4,284.48	1/4	4,119.13	1/4	3,942.91	1/4	3,751.34	1/4	3,558.00	1/4	3,266.92	1/4	2,908.78	1/4	2,551.17	1/4	2,191.52
1/2	1/2	1/2	4,280.50	1/2	4,115.64	1/2	3,939.03	1/2	3,747.31	1/2	3,553.98	1/2	3,259.48	1/2	2,901.31	1/2	2,543.67	1/2	2,184.03
3/4	3/4	3/4	4,276.53	3/4	4,112.16	3/4	3,935.15	3/4	3,743.29	3/4	3,549.95	3/4	3,252.04	3/4	2,893.84	3/4	2,536.18	3/4	2,176.54
7	7	7	4,272.55	7	4,108.67	7	3,931.28	7	3,739.26	7	3,545.92	7	3,244.59	7	2,886.36	7	2,528.69	7	2,169.04
1/4	1/4	1/4	4,268.58	1/4	4,105.19	1/4	3,927.40	1/4	3,735.23	1/4	3,541.89	1/4	3,237.15	1/4	2,878.89	1/4	2,521.20	1/4	2,161.55
1/2	1/2	1/2	4,264.66	1/2	4,101.66	1/2	3,923.49	1/2	3,731.20	1/2	3,537.86	1/2	3,229.70	1/2	2,871.41	1/2	2,513.70	1/2	2,154.06
3/4	3/4	3/4	4,260.73	3/4	4,098.13	3/4	3,919.58	3/4	3,727.18	3/4	3,533.84	3/4	3,222.26	3/4	2,863.94	3/4	2,506.21	3/4	2,146.57
8	8	8	4,256.81	8	4,094.60	8	3,915.67	8	3,723.15	8	3,529.81	8	3,214.82	8	2,856.46	8	2,498.72	8	2,139.07
1/4	1/4	1/4	4,252.89	1/4	4,091.07	1/4	3,911.77	1/4	3,719.12	1/4	3,525.78	1/4	3,207.37	1/4	2,848.98	1/4	2,491.23	1/4	2,131.58
1/2	1/2	1/2	4,249.38	1/2	4,087.51	1/2	3,907.83	1/2	3,715.09	1/2	3,521.75	1/2	3,199.93	1/2	2,841.50	1/2	2,483.73	1/2	2,124.09
3/4	3/4	3/4	4,245.87	3/4	4,083.94	3/4	3,903.89	3/4	3,711.06	3/4	3,517.72	3/4	3,192.48	3/4	2,834.02	3/4	2,476.24	3/4	2,116.60
9	9	9	4,242.35	9	4,080.38	9	3,899.95	9	3,707.04	9	3,513.70	9	3,185.04	9	2,826.54	9	2,468.75	9	2,109.10
1/4	1/4	1/4	4,238.84	1/4	4,076.81	1/4	3,896.01	1/4	3,703.01	1/4	3,509.67	1/4	3,177.59	1/4	2,819.07	1/4	2,461.26	1/4	2,101.61
1/2	1/2	1/2	4,235.64	1/2	4,073.22	1/2	3,892.04	1/2	3,698.98	1/2	3,505.64	1/2	3,170.15	1/2	2,811.59	1/2	2,453.76	1/2	2,094.12
3/4	3/4	3/4	4,232.45	3/4	4,069.63	3/4	3,888.07	3/4	3,694.95	3/4	3,501.61	3/4	3,162.71	3/4	2,804.11	3/4	2,446.27	3/4	2,086.63
10	10	10	4,229.25	10	4,066.03	10	3,884.09	10	3,690.92	10	3,497.59	10	3,155.26	10	2,796.63	10	2,438.78	10	2,079.13
1/4	1/4	1/4	4,226.05	1/4	4,062.44	1/4	3,880.12	1/4	3,686.90	1/4	3,493.56	1/4	3,147.82	1/4	2,789.15	1/4	2,431.29	1/4	2,071.64
1/2	1/2	1/2	4,222.82	1/2	4,058.82	1/2	3,876.12	1/2	3,682.87	1/2	3,489.10	1/2	3,140.37	1/2	2,781.67	1/2	2,423.79	1/2	2,064.15
3/4	3/4	3/4	4,219.59	3/4	4,055.19	3/4	3,872.11	3/4	3,678.84	3/4	3,484.64	3/4	3,132.92	3/4	2,774.19	3/4	2,416.30	3/4	2,056.66
11	11	11	4,216.36	11	4,051.57	11	3,868.11	11	3,674.81	11	3,480.19	11	3,125.47	11	2,766.71	11	2,408.81	11	2,049.16
1/4	1/4	1/4	4,213.13	1/4	4,047.95	1/4	3,864.10	1/4	3,670.78	1/4	3,475.73	1/4	3,118.02	1/4	2,759.23	1/4	2,401.32	1/4	2,041.67
1/2	1/2	1/2	4,209.86	1/2	4,044.29	1/2	3,860.08	1/2	3,666.76	1/2	3,468.27	1/2	3,110.54	1/2	2,751.75	1/2	2,393.82	1/2	2,034.18
3/4	3/4	3/4	4,206.60	3/4	4,040.64	3/4	3,856.06	3/4	3,662.73	3/4	3,460.81	3/4	3,103.07	3/4	2,744.27	3/4	2,386.33	3/4	2,026.68

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD

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



# BARGE "DBL 313"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,019.19	0	1,659.46	0	1,301.18	0	952.05	0	598.71	0	242.35	0		0		0		0	
1/4	2,011.70	1/4	1,651.97	1/4	1,293.75	1/4	944.89	1/4	591.21	1/4	235.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,004.20	1/2	1,644.47	1/2	1,286.32	1/2	937.73	1/2	583.71	1/2	227.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,996.71	3/4	1,636.98	3/4	1,278.88	3/4	930.57	3/4	576.22	3/4	220.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,989.22	1	1,629.48	1	1,271.45	1	923.41	1	568.72	1	212.95	1	1	1	1	1	1	1	1
1/4	1,981.72	1/4	1,621.99	1/4	1,264.02	1/4	916.25	1/4	561.22	1/4	205.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,974.23	1/2	1,614.50	1/2	1,256.59	1/2	909.09	1/2	553.73	1/2	198.24	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,966.73	3/4	1,607.00	3/4	1,249.16	3/4	901.92	3/4	546.23	3/4	190.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,959.24	2	1,599.51	2	1,241.73	2	894.76	2	538.73	2	183.51	2	2	2	2	2	2	2	2
1/4	1,951.74	1/4	1,592.01	1/4	1,234.30	1/4	887.59	1/4	531.24	1/4	176.14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,944.25	1/2	1,584.52	1/2	1,226.88	1/2	880.41	1/2	523.74	1/2	168.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,936.75	3/4	1,577.02	3/4	1,219.46	3/4	873.23	3/4	516.25	3/4	161.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,929.26	3	1,569.53	3	1,212.05	3	866.04	3	508.75	3	153.70	3	3	3	3	3	3	3	3
1/4	1,921.77	1/4	1,562.03	1/4	1,204.63	1/4	858.86	1/4	501.25	1/4	146.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,914.27	1/2	1,554.54	1/2	1,197.22	1/2	851.67	1/2	493.76	1/2	138.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,906.78	3/4	1,547.05	3/4	1,189.80	3/4	844.48	3/4	486.26	3/4	131.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,899.28	4	1,539.55	4	1,182.38	4	837.29	4	478.76	4	123.75	4	4	4	4	4	4	4	4
1/4	1,891.79	1/4	1,532.06	1/4	1,174.96	1/4	830.10	1/4	471.27	1/4	116.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,884.29	1/2	1,524.56	1/2	1,167.56	1/2	822.86	1/2	463.77	1/2	108.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,876.80	3/4	1,517.07	3/4	1,160.15	3/4	815.61	3/4	456.27	3/4	101.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,869.30	5	1,509.57	5	1,152.74	5	808.36	5	448.78	5	94.06	5	5	5	5	5	5	5	5
1/4	1,861.81	1/4	1,502.08	1/4	1,145.34	1/4	801.11	1/4	441.28	1/4	86.66	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,854.32	1/2	1,494.59	1/2	1,138.18	1/2	793.61	1/2	433.80	1/2	79.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,846.82	3/4	1,487.11	3/4	1,131.02	3/4	786.12	3/4	426.33	3/4	73.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,839.33	6	1,479.62	6	1,123.86	6	778.62	6	418.85	6	66.59	6	6	6	6	6	6	6	6
1/4	1,831.83	1/4	1,472.13	1/4	1,116.70	1/4	771.12	1/4	411.37	1/4	59.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,824.34	1/2	1,464.70	1/2	1,109.54	1/2	763.63	1/2	404.02	1/2	54.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,816.84	3/4	1,457.27	3/4	1,102.38	3/4	756.13	3/4	396.67	3/4	49.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,809.35	7	1,449.83	7	1,095.22	7	748.63	7	389.33	7	43.55	7	7	7	7	7	7	7	7
1/4	1,801.86	1/4	1,442.40	1/4	1,088.07	1/4	741.14	1/4	381.98	1/4	38.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,794.36	1/2	1,434.97	1/2	1,080.91	1/2	733.64	1/2	374.63	1/2	33.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,786.87	3/4	1,427.54	3/4	1,073.75	3/4	726.14	3/4	367.28	3/4	29.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,779.37	8	1,420.10	8	1,066.59	8	718.65	8	359.93	8	25.47	8	8	8	8	8	8	8	8
1/4	1,771.88	1/4	1,412.67	1/4	1,059.43	1/4	711.15	1/4	352.58	1/4	21.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,764.38	1/2	1,405.24	1/2	1,052.27	1/2	703.66	1/2	345.23	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,756.89	3/4	1,397.81	3/4	1,045.11	3/4	696.16	3/4	337.88	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,749.39	9	1,390.37	9	1,037.95	9	688.66	9	330.54	9		9	9	9	9	9	9	9	9
1/4	1,741.90	1/4	1,382.94	1/4	1,030.79	1/4	681.17	1/4	323.19	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,734.41	1/2	1,375.51	1/2	1,023.64	1/2	673.67	1/2	315.84	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,726.91	3/4	1,368.08	3/4	1,016.48	3/4	666.17	3/4	308.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,719.42	10	1,360.64	10	1,009.32	10	658.68	10	301.14	10		10	10	10	10	10	10	10	10
1/4	1,711.92	1/4	1,353.21	1/4	1,002.16	1/4	651.18	1/4	293.79	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,704.43	1/2	1,345.78	1/2	995.00	1/2	643.68	1/2	286.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,696.93	3/4	1,338.34	3/4	987.84	3/4	636.19	3/4	279.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,689.44	11	1,330.91	11	980.68	11	628.69	11	271.75	11		11	11	11	11	11	11	11	11
1/4	1,681.94	1/4	1,323.48	1/4	973.52	1/4	621.20	1/4	264.40	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,674.45	1/2	1,316.05	1/2	966.37	1/2	613.70	1/2	257.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,666.96	3/4	1,308.61	3/4	959.21	3/4	606.20	3/4	249.70	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.

STRAPPED: 08/14/2019 SW JS  
CALCULATED: 08/14/2019 CL  
PRINTED: 08/14/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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