



# BARGE "DBL 314"

## 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 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 252'-09"

September 23, 2019

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 314"

# 1 PORT 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	4,948.30	0	4,612.14	0	4,256.73	0	3,892.48	0	3,528.21	0	3,163.95	0	2,799.69	0	2,435.35
1/4		1/4		1/4	4,941.50	1/4	4,604.93	1/4	4,249.14	1/4	3,884.89	1/4	3,520.62	1/4	3,156.36	1/4	2,792.10	1/4	2,427.76
1/2		1/2	5,269.07	1/2	4,934.70	1/2	4,597.72	1/2	4,241.56	1/2	3,877.30	1/2	3,513.04	1/2	3,148.77	1/2	2,784.51	1/2	2,420.17
3/4		3/4	5,263.93	3/4	4,927.87	3/4	4,590.47	3/4	4,233.97	3/4	3,869.71	3/4	3,505.45	3/4	3,141.18	3/4	2,776.92	3/4	2,412.58
1	1	1	5,258.79	1	4,921.03	1	4,583.23	1	4,226.38	1	3,862.12	1	3,497.86	1	3,133.60	1	2,769.33	1	2,404.99
1/4	1/4	1/4	5,253.64	1/4	4,914.20	1/4	4,575.98	1/4	4,218.79	1/4	3,854.53	1/4	3,490.27	1/4	3,126.01	1/4	2,761.74	1/4	2,397.40
1/2	1/2	1/2	5,248.50	1/2	4,907.37	1/2	4,568.74	1/2	4,211.21	1/2	3,846.94	1/2	3,482.68	1/2	3,118.42	1/2	2,754.16	1/2	2,389.80
3/4	3/4	3/4	5,242.14	3/4	4,900.50	3/4	4,561.46	3/4	4,203.62	3/4	3,839.35	3/4	3,475.09	3/4	3,110.83	3/4	2,746.57	3/4	2,382.21
2	2	2	5,235.77	2	4,893.64	2	4,554.18	2	4,196.03	2	3,831.77	2	3,467.50	2	3,103.24	2	2,738.98	2	2,374.62
1/4	1/4	1/4	5,229.41	1/4	4,886.78	1/4	4,546.90	1/4	4,188.44	1/4	3,824.18	1/4	3,459.91	1/4	3,095.65	1/4	2,731.39	1/4	2,367.03
1/2	1/2	1/2	5,223.05	1/2	4,879.91	1/2	4,539.62	1/2	4,180.85	1/2	3,816.59	1/2	3,452.33	1/2	3,088.06	1/2	2,723.80	1/2	2,359.44
3/4	3/4	3/4	5,215.70	3/4	4,873.02	3/4	4,532.31	3/4	4,173.26	3/4	3,809.00	3/4	3,444.74	3/4	3,080.47	3/4	2,716.21	3/4	2,351.85
3	3	3	5,208.34	3	4,866.13	3	4,525.01	3	4,165.67	3	3,801.41	3	3,437.15	3	3,072.89	3	2,708.62	3	2,344.25
1/4	1/4	1/4	5,200.99	1/4	4,859.23	1/4	4,517.70	1/4	4,158.08	1/4	3,793.82	1/4	3,429.56	1/4	3,065.30	1/4	2,701.03	1/4	2,336.66
1/2	1/2	1/2	5,193.64	1/2	4,852.34	1/2	4,510.39	1/2	4,150.50	1/2	3,786.23	1/2	3,421.97	1/2	3,057.71	1/2	2,693.45	1/2	2,329.07
3/4	3/4	3/4	5,186.15	3/4	4,845.41	3/4	4,503.05	3/4	4,142.91	3/4	3,778.64	3/4	3,414.38	3/4	3,050.12	3/4	2,685.86	3/4	2,321.48
4	4	4	5,178.66	4	4,838.48	4	4,495.71	4	4,135.32	4	3,771.06	4	3,406.79	4	3,042.53	4	2,678.27	4	2,313.89
1/4	1/4	1/4	5,171.17	1/4	4,831.55	1/4	4,488.37	1/4	4,127.73	1/4	3,763.47	1/4	3,399.20	1/4	3,034.94	1/4	2,670.68	1/4	2,306.30
1/2	1/2	1/2	5,163.68	1/2	4,824.62	1/2	4,481.03	1/2	4,120.14	1/2	3,755.88	1/2	3,391.62	1/2	3,027.35	1/2	2,663.09	1/2	2,298.71
3/4	3/4	3/4	5,156.19	3/4	4,817.66	3/4	4,473.66	3/4	4,112.55	3/4	3,748.29	3/4	3,384.03	3/4	3,019.76	3/4	2,655.50	3/4	2,291.11
5	5	5	5,148.70	5	4,810.70	5	4,466.28	5	4,104.96	5	3,740.70	5	3,376.44	5	3,012.18	5	2,647.91	5	2,283.52
1/4	1/4	1/4	5,141.21	1/4	4,803.74	1/4	4,458.91	1/4	4,097.37	1/4	3,733.11	1/4	3,368.85	1/4	3,004.59	1/4	2,640.32	1/4	2,275.93
1/2	1/2	1/2	5,133.72	1/2	4,796.78	1/2	4,451.53	1/2	4,089.78	1/2	3,725.52	1/2	3,361.26	1/2	2,997.00	1/2	2,632.74	1/2	2,268.34
3/4	3/4	3/4	5,126.23	3/4	4,789.79	3/4	4,444.13	3/4	4,082.20	3/4	3,717.93	3/4	3,353.67	3/4	2,989.41	3/4	2,625.14	3/4	2,260.75
6	6	6	5,118.74	6	4,782.79	6	4,436.72	6	4,074.61	6	3,710.34	6	3,346.08	6	2,981.82	6	2,617.55	6	2,253.16
1/4	1/4	1/4	5,111.25	1/4	4,775.80	1/4	4,429.31	1/4	4,067.02	1/4	3,702.76	1/4	3,338.49	1/4	2,974.23	1/4	2,609.96	1/4	2,245.56
1/2	1/2	1/2	5,103.76	1/2	4,768.81	1/2	4,421.91	1/2	4,059.43	1/2	3,695.17	1/2	3,330.90	1/2	2,966.64	1/2	2,602.37	1/2	2,237.97
3/4	3/4	3/4	5,096.27	3/4	4,761.78	3/4	4,414.47	3/4	4,051.84	3/4	3,687.58	3/4	3,323.32	3/4	2,959.05	3/4	2,594.78	3/4	2,230.38
7	7	7	5,088.78	7	4,754.76	7	4,407.03	7	4,044.25	7	3,679.99	7	3,315.73	7	2,951.46	7	2,587.19	7	2,222.79
1/4	1/4	1/4	5,081.29	1/4	4,747.73	1/4	4,399.59	1/4	4,036.66	1/4	3,672.40	1/4	3,308.14	1/4	2,943.88	1/4	2,579.59	1/4	2,215.20
1/2	1/2	1/2	5,073.80	1/2	4,740.70	1/2	4,392.15	1/2	4,029.07	1/2	3,664.81	1/2	3,300.55	1/2	2,936.29	1/2	2,572.00	1/2	2,207.61
3/4	3/4	3/4	5,066.36	3/4	4,733.62	3/4	4,384.69	3/4	4,021.49	3/4	3,657.22	3/4	3,292.96	3/4	2,928.70	3/4	2,564.41	3/4	2,200.01
8	8	8	5,058.92	8	4,726.53	8	4,377.22	8	4,013.90	8	3,649.63	8	3,285.37	8	2,921.11	8	2,556.82	8	2,192.42
1/4	1/4	1/4	5,051.49	1/4	4,719.45	1/4	4,369.75	1/4	4,006.31	1/4	3,642.05	1/4	3,277.78	1/4	2,913.52	1/4	2,549.23	1/4	2,184.83
1/2	1/2	1/2	5,044.05	1/2	4,712.36	1/2	4,362.28	1/2	3,998.72	1/2	3,634.46	1/2	3,270.19	1/2	2,905.93	1/2	2,541.64	1/2	2,177.24
3/4	3/4	3/4	5,037.02	3/4	4,705.24	3/4	4,354.78	3/4	3,991.13	3/4	3,626.87	3/4	3,262.61	3/4	2,898.34	3/4	2,534.04	3/4	2,169.65
9	9	9	5,030.00	9	4,698.12	9	4,347.29	9	3,983.54	9	3,619.28	9	3,255.02	9	2,890.75	9	2,526.45	9	2,162.06
1/4	1/4	1/4	5,022.97	1/4	4,691.00	1/4	4,339.79	1/4	3,975.95	1/4	3,611.69	1/4	3,247.43	1/4	2,883.17	1/4	2,518.86	1/4	2,154.46
1/2	1/2	1/2	5,015.94	1/2	4,683.88	1/2	4,332.29	1/2	3,968.36	1/2	3,604.10	1/2	3,239.84	1/2	2,875.58	1/2	2,511.27	1/2	2,146.87
3/4	3/4	3/4	5,009.21	3/4	4,676.73	3/4	4,324.76	3/4	3,960.78	3/4	3,596.51	3/4	3,232.25	3/4	2,867.99	3/4	2,503.68	3/4	2,139.28
10	10	10	5,002.47	10	4,669.58	10	4,317.22	10	3,953.19	10	3,588.92	10	3,224.66	10	2,860.40	10	2,496.09	10	2,131.69
1/4	1/4	1/4	4,995.73	1/4	4,662.43	1/4	4,309.69	1/4	3,945.60	1/4	3,581.34	1/4	3,217.07	1/4	2,852.81	1/4	2,488.50	1/4	2,124.10
1/2	1/2	1/2	4,988.99	1/2	4,655.28	1/2	4,302.16	1/2	3,938.01	1/2	3,573.75	1/2	3,209.48	1/2	2,845.22	1/2	2,480.90	1/2	2,116.51
3/4	3/4	3/4	4,982.22	3/4	4,648.10	3/4	4,294.59	3/4	3,930.42	3/4	3,566.16	3/4	3,201.90	3/4	2,837.63	3/4	2,473.31	3/4	2,108.92
11	11	11	4,975.45	11	4,640.92	11	4,287.03	11	3,922.83	11	3,558.57	11	3,194.31	11	2,830.04	11	2,465.72	11	2,101.32
1/4	1/4	1/4	4,968.68	1/4	4,633.74	1/4	4,279.46	1/4	3,915.24	1/4	3,550.98	1/4	3,186.72	1/4	2,822.46	1/4	2,458.13	1/4	2,093.73
1/2	1/2	1/2	4,961.91	1/2	4,626.56	1/2	4,271.90	1/2	3,907.65	1/2	3,543.39	1/2	3,179.13	1/2	2,814.87	1/2	2,450.54	1/2	2,086.14
3/4	3/4	3/4	4,955.11	3/4	4,619.35	3/4	4,264.31	3/4	3,900.06	3/4	3,535.80	3/4	3,171.54	3/4	2,807.28	3/4	2,442.95	3/4	2,078.55

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "DBL 314"

## 1 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	2,070.96	0	1,706.56	0	1,342.16	0	978.19	0	613.88	0	252.83	0		0		0		0	
1/4	2,063.37	1/4	1,698.97	1/4	1,334.57	1/4	970.61	1/4	606.29	1/4	245.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,055.77	1/2	1,691.38	1/2	1,326.98	1/2	963.03	1/2	598.69	1/2	237.94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,048.18	3/4	1,683.79	3/4	1,319.39	3/4	955.45	3/4	591.10	3/4	230.50	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,040.59	1	1,676.19	1	1,311.80	1	947.87	1	583.51	1	223.06	1	1	1	1	1	1	1	1
1/4	2,033.00	1/4	1,668.60	1/4	1,304.21	1/4	940.29	1/4	575.92	1/4	215.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,025.41	1/2	1,661.01	1/2	1,296.61	1/2	932.71	1/2	568.33	1/2	208.17	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,017.82	3/4	1,653.42	3/4	1,289.02	3/4	925.12	3/4	560.74	3/4	200.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,010.22	2	1,645.83	2	1,281.43	2	917.53	2	553.15	2	193.25	2	2	2	2	2	2	2	2
1/4	2,002.63	1/4	1,638.24	1/4	1,273.84	1/4	909.94	1/4	545.56	1/4	185.79	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,995.04	1/2	1,630.64	1/2	1,266.25	1/2	902.35	1/2	537.96	1/2	178.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,987.45	3/4	1,623.05	3/4	1,258.66	3/4	894.76	3/4	530.37	3/4	170.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,979.86	3	1,615.46	3	1,251.07	3	887.16	3	522.78	3	163.18	3	3	3	3	3	3	3	3
1/4	1,972.27	1/4	1,607.87	1/4	1,243.48	1/4	879.57	1/4	515.19	1/4	155.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,964.67	1/2	1,600.28	1/2	1,235.89	1/2	871.98	1/2	507.60	1/2	148.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,957.08	3/4	1,592.69	3/4	1,228.31	3/4	864.39	3/4	500.01	3/4	140.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,949.49	4	1,585.09	4	1,220.73	4	856.80	4	492.42	4	132.88	4	4	4	4	4	4	4	4
1/4	1,941.90	1/4	1,577.50	1/4	1,213.15	1/4	849.21	1/4	484.82	1/4	125.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,934.31	1/2	1,569.91	1/2	1,205.57	1/2	841.62	1/2	477.23	1/2	117.72	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,926.72	3/4	1,562.32	3/4	1,197.99	3/4	834.02	3/4	469.64	3/4	110.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,919.13	5	1,554.73	5	1,190.41	5	826.43	5	462.05	5	102.73	5	5	5	5	5	5	5	5
1/4	1,911.53	1/4	1,547.14	1/4	1,182.83	1/4	818.84	1/4	454.46	1/4	95.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,903.94	1/2	1,539.55	1/2	1,175.25	1/2	811.25	1/2	446.87	1/2	87.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,896.35	3/4	1,531.95	3/4	1,167.67	3/4	803.66	3/4	439.30	3/4	80.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,888.76	6	1,524.36	6	1,160.09	6	796.07	6	431.72	6	74.16	6	6	6	6	6	6	6	6
1/4	1,881.17	1/4	1,516.77	1/4	1,152.51	1/4	788.48	1/4	424.15	1/4	67.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,873.58	1/2	1,509.18	1/2	1,144.93	1/2	780.89	1/2	416.58	1/2	60.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,865.98	3/4	1,501.59	3/4	1,137.36	3/4	773.29	3/4	409.13	3/4	55.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,858.39	7	1,494.00	7	1,129.78	7	765.70	7	401.69	7	49.55	7	7	7	7	7	7	7	7
1/4	1,850.80	1/4	1,486.40	1/4	1,122.20	1/4	758.11	1/4	394.25	1/4	44.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,843.21	1/2	1,478.81	1/2	1,114.62	1/2	750.52	1/2	386.80	1/2	38.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,835.62	3/4	1,471.22	3/4	1,107.04	3/4	742.93	3/4	379.36	3/4	34.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,828.03	8	1,463.63	8	1,099.46	8	735.34	8	371.92	8	30.00	8	8	8	8	8	8	8	8
1/4	1,820.43	1/4	1,456.04	1/4	1,091.88	1/4	727.75	1/4	364.48	1/4	25.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,812.84	1/2	1,448.45	1/2	1,084.30	1/2	720.16	1/2	357.03	1/2	21.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,805.25	3/4	1,440.85	3/4	1,076.72	3/4	712.56	3/4	349.59	3/4	17.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,797.66	9	1,433.26	9	1,069.14	9	704.97	9	342.15	9	12.97	9	9	9	9	9	9	9	9
1/4	1,790.07	1/4	1,425.67	1/4	1,061.56	1/4	697.38	1/4	334.70	1/4	8.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,782.48	1/2	1,418.08	1/2	1,053.98	1/2	689.79	1/2	327.26	1/2	4.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,774.88	3/4	1,410.49	3/4	1,046.41	3/4	682.20	3/4	319.82	3/4	0.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,767.29	10	1,402.90	10	1,038.83	10	674.61	10	312.37	10	0	10	10	10	10	10	10	10	10
1/4	1,759.70	1/4	1,395.30	1/4	1,031.25	1/4	667.02	1/4	304.93	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,752.11	1/2	1,387.71	1/2	1,023.67	1/2	659.42	1/2	297.49	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,744.52	3/4	1,380.12	3/4	1,016.09	3/4	651.83	3/4	290.05	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,736.93	11	1,372.53	11	1,008.51	11	644.24	11	282.60	11	0	11	11	11	11	11	11	11	11
1/4	1,729.34	1/4	1,364.94	1/4	1,000.93	1/4	636.65	1/4	275.16	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,721.74	1/2	1,357.35	1/2	993.35	1/2	629.06	1/2	267.72	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,714.15	3/4	1,349.76	3/4	985.77	3/4	621.47	3/4	260.27	3/4	0	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: 09/23/2019 SW JS  
CALCULATED: 09/25/2019 CL  
PRINTED: 09/27/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2019

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



# BARGE "DBL 314"

# 1 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	4,911.41	0	4,576.75	0	4,222.98	0	3,860.79	0	3,498.59	0	3,136.39	0	2,774.20	0	2,412.12
1/4		1/4	5,237.11	1/4	4,904.65	1/4	4,569.58	1/4	4,215.44	1/4	3,853.24	1/4	3,491.05	1/4	3,128.85	1/4	2,766.65	1/4	2,404.57
1/2		1/2	5,232.00	1/2	4,897.85	1/2	4,562.38	1/2	4,207.90	1/2	3,845.70	1/2	3,483.50	1/2	3,121.30	1/2	2,759.12	1/2	2,397.02
3/4		3/4	5,226.88	3/4	4,891.06	3/4	4,555.17	3/4	4,200.35	3/4	3,838.15	3/4	3,475.95	3/4	3,113.76	3/4	2,751.59	3/4	2,389.47
1		1	5,221.77	1	4,884.26	1	4,547.97	1	4,192.81	1	3,830.61	1	3,468.41	1	3,106.21	1	2,744.05	1	2,381.93
1/4		1/4	5,216.66	1/4	4,877.47	1/4	4,540.77	1/4	4,185.26	1/4	3,823.06	1/4	3,460.86	1/4	3,098.66	1/4	2,736.52	1/4	2,374.38
1/2		1/2	5,210.33	1/2	4,870.65	1/2	4,533.53	1/2	4,177.71	1/2	3,815.52	1/2	3,453.32	1/2	3,091.12	1/2	2,728.99	1/2	2,366.83
3/4		3/4	5,204.00	3/4	4,863.82	3/4	4,526.29	3/4	4,170.17	3/4	3,807.97	3/4	3,445.77	3/4	3,083.57	3/4	2,721.45	3/4	2,359.28
2		2	5,197.68	2	4,857.00	2	4,519.05	2	4,162.62	2	3,800.42	2	3,438.23	2	3,076.03	2	2,713.92	2	2,351.73
1/4		1/4	5,191.35	1/4	4,850.17	1/4	4,511.82	1/4	4,155.08	1/4	3,792.88	1/4	3,430.68	1/4	3,068.48	1/4	2,706.39	1/4	2,344.18
1/2		1/2	5,184.04	1/2	4,843.32	1/2	4,504.55	1/2	4,147.53	1/2	3,785.33	1/2	3,423.13	1/2	3,060.94	1/2	2,698.85	1/2	2,336.63
3/4		3/4	5,176.73	3/4	4,836.46	3/4	4,497.28	3/4	4,139.98	3/4	3,777.79	3/4	3,415.59	3/4	3,053.39	3/4	2,691.32	3/4	2,329.09
3		3	5,169.42	3	4,829.61	3	4,490.01	3	4,132.44	3	3,770.24	3	3,408.04	3	3,045.84	3	2,683.79	3	2,321.54
1/4		1/4	5,162.12	1/4	4,822.75	1/4	4,482.75	1/4	4,124.89	1/4	3,762.69	1/4	3,400.50	1/4	3,038.30	1/4	2,676.25	1/4	2,313.99
1/2		1/2	5,154.67	1/2	4,815.86	1/2	4,475.45	1/2	4,117.35	1/2	3,755.15	1/2	3,392.95	1/2	3,030.75	1/2	2,668.72	1/2	2,306.44
3/4		3/4	5,147.22	3/4	4,808.98	3/4	4,468.15	3/4	4,109.80	3/4	3,747.60	3/4	3,385.40	3/4	3,023.21	3/4	2,661.18	3/4	2,298.89
4		4	5,139.77	4	4,802.09	4	4,460.85	4	4,102.26	4	3,740.06	4	3,377.86	4	3,015.66	4	2,653.65	4	2,291.34
1/4		1/4	5,132.33	1/4	4,795.20	1/4	4,453.56	1/4	4,094.71	1/4	3,732.51	1/4	3,370.31	1/4	3,008.11	1/4	2,646.11	1/4	2,283.79
1/2		1/2	5,124.88	1/2	4,788.28	1/2	4,446.22	1/2	4,087.16	1/2	3,724.97	1/2	3,362.77	1/2	3,000.57	1/2	2,638.57	1/2	2,276.25
3/4		3/4	5,117.43	3/4	4,781.35	3/4	4,438.89	3/4	4,079.62	3/4	3,717.42	3/4	3,355.22	3/4	2,993.02	3/4	2,631.02	3/4	2,268.70
5		5	5,109.98	5	4,774.43	5	4,431.56	5	4,072.07	5	3,709.87	5	3,347.68	5	2,985.48	5	2,623.48	5	2,261.15
1/4		1/4	5,102.54	1/4	4,767.51	1/4	4,424.23	1/4	4,064.53	1/4	3,702.33	1/4	3,340.13	1/4	2,977.93	1/4	2,615.93	1/4	2,253.60
1/2		1/2	5,095.09	1/2	4,760.56	1/2	4,416.86	1/2	4,056.98	1/2	3,694.78	1/2	3,332.58	1/2	2,970.39	1/2	2,608.38	1/2	2,246.05
3/4		3/4	5,087.64	3/4	4,753.61	3/4	4,409.50	3/4	4,049.44	3/4	3,687.24	3/4	3,325.04	3/4	2,962.84	3/4	2,600.83	3/4	2,238.50
6		6	5,080.19	6	4,746.65	6	4,402.13	6	4,041.89	6	3,679.69	6	3,317.49	6	2,955.29	6	2,593.29	6	2,230.95
1/4		1/4	5,072.74	1/4	4,739.70	1/4	4,394.77	1/4	4,034.34	1/4	3,672.15	1/4	3,309.95	1/4	2,947.75	1/4	2,585.74	1/4	2,223.40
1/2		1/2	5,065.30	1/2	4,732.71	1/2	4,387.37	1/2	4,026.80	1/2	3,664.60	1/2	3,302.40	1/2	2,940.20	1/2	2,578.19	1/2	2,215.86
3/4		3/4	5,057.85	3/4	4,725.73	3/4	4,379.98	3/4	4,019.25	3/4	3,657.05	3/4	3,294.86	3/4	2,932.66	3/4	2,570.64	3/4	2,208.31
7		7	5,050.40	7	4,718.74	7	4,372.58	7	4,011.71	7	3,649.51	7	3,287.31	7	2,925.11	7	2,563.09	7	2,200.76
1/4		1/4	5,042.95	1/4	4,711.76	1/4	4,365.18	1/4	4,004.16	1/4	3,641.96	1/4	3,279.76	1/4	2,917.57	1/4	2,555.54	1/4	2,193.21
1/2		1/2	5,035.56	1/2	4,704.71	1/2	4,357.76	1/2	3,996.61	1/2	3,634.42	1/2	3,272.22	1/2	2,910.02	1/2	2,547.99	1/2	2,185.66
3/4		3/4	5,028.16	3/4	4,697.66	3/4	4,350.33	3/4	3,989.07	3/4	3,626.87	3/4	3,264.67	3/4	2,902.47	3/4	2,540.45	3/4	2,178.11
8		8	5,020.77	8	4,690.62	8	4,342.91	8	3,981.52	8	3,619.32	8	3,257.13	8	2,894.93	8	2,532.90	8	2,170.56
1/4		1/4	5,013.37	1/4	4,683.57	1/4	4,335.48	1/4	3,973.98	1/4	3,611.78	1/4	3,249.58	1/4	2,887.38	1/4	2,525.35	1/4	2,163.02
1/2		1/2	5,006.39	1/2	4,676.49	1/2	4,328.03	1/2	3,966.43	1/2	3,604.23	1/2	3,242.03	1/2	2,879.84	1/2	2,517.80	1/2	2,155.47
3/4		3/4	4,999.40	3/4	4,669.41	3/4	4,320.57	3/4	3,958.89	3/4	3,596.69	3/4	3,234.49	3/4	2,872.29	3/4	2,510.25	3/4	2,147.92
9		9	4,992.41	9	4,662.34	9	4,313.11	9	3,951.34	9	3,589.14	9	3,226.94	9	2,864.74	9	2,502.70	9	2,140.37
1/4		1/4	4,985.43	1/4	4,655.26	1/4	4,305.66	1/4	3,943.79	1/4	3,581.60	1/4	3,219.40	1/4	2,857.20	1/4	2,495.15	1/4	2,132.82
1/2		1/2	4,978.73	1/2	4,648.15	1/2	4,298.17	1/2	3,936.25	1/2	3,574.05	1/2	3,211.85	1/2	2,849.65	1/2	2,487.61	1/2	2,125.27
3/4		3/4	4,972.03	3/4	4,641.04	3/4	4,290.68	3/4	3,928.70	3/4	3,566.50	3/4	3,204.31	3/4	2,842.11	3/4	2,480.06	3/4	2,117.72
10		10	4,965.33	10	4,633.93	10	4,283.19	10	3,921.16	10	3,558.96	10	3,196.76	10	2,834.56	10	2,472.51	10	2,110.18
1/4		1/4	4,958.63	1/4	4,626.82	1/4	4,275.70	1/4	3,913.61	1/4	3,551.41	1/4	3,189.21	1/4	2,827.02	1/4	2,464.96	1/4	2,102.63
1/2		1/2	4,951.90	1/2	4,619.68	1/2	4,268.17	1/2	3,906.07	1/2	3,543.87	1/2	3,181.67	1/2	2,819.47	1/2	2,457.41	1/2	2,095.08
3/4		3/4	4,945.17	3/4	4,612.54	3/4	4,260.65	3/4	3,898.52	3/4	3,536.32	3/4	3,174.12	3/4	2,811.92	3/4	2,449.86	3/4	2,087.53
11		11	4,938.43	11	4,605.40	11	4,253.13	11	3,890.97	11	3,528.78	11	3,166.58	11	2,804.38	11	2,442.31	11	2,079.98
1/4		1/4	4,931.70	1/4	4,598.26	1/4	4,245.61	1/4	3,883.43	1/4	3,521.23	1/4	3,159.03	1/4	2,796.83	1/4	2,434.77	1/4	2,072.43
1/2		1/2	4,924.94	1/2	4,591.09	1/2	4,238.07	1/2	3,875.88	1/2	3,513.68	1/2	3,151.49	1/2	2,789.29	1/2	2,427.22	1/2	2,064.88
3/4		3/4	4,918.17	3/4	4,583.92	3/4	4,230.53	3/4	3,868.34	3/4	3,506.14	3/4	3,143.94	3/4	2,781.74	3/4	2,419.67	3/4	2,057.34

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.

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 314"

## 1 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	2,049.79	0	1,687.45	0	1,325.12	0	964.78	0	602.85	0	244.00	0		0		0		0	
1/4	2,042.24	1/4	1,679.91	1/4	1,317.57	1/4	957.28	1/4	595.31	1/4	236.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,034.69	1/2	1,672.36	1/2	1,310.02	1/2	949.79	1/2	587.76	1/2	229.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,027.14	3/4	1,664.81	3/4	1,302.48	3/4	942.29	3/4	580.21	3/4	221.80	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,019.59	1	1,657.26	1	1,294.93	1	934.79	1	572.66	1	214.40	1	1	1	1	1	1	1	1
1/4	2,012.04	1/4	1,649.71	1/4	1,287.38	1/4	927.29	1/4	565.11	1/4	207.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,004.50	1/2	1,642.16	1/2	1,279.83	1/2	919.78	1/2	557.56	1/2	199.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,996.95	3/4	1,634.61	3/4	1,272.29	3/4	912.26	3/4	550.02	3/4	192.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,989.40	2	1,627.07	2	1,264.75	2	904.75	2	542.47	2	184.74	2	2	2	2	2	2	2	2
1/4	1,981.85	1/4	1,619.52	1/4	1,257.20	1/4	897.24	1/4	534.92	1/4	177.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,974.30	1/2	1,611.97	1/2	1,249.70	1/2	889.69	1/2	527.37	1/2	169.79	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,966.75	3/4	1,604.42	3/4	1,242.19	3/4	882.14	3/4	519.82	3/4	162.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,959.20	3	1,596.87	3	1,234.68	3	874.59	3	512.27	3	154.73	3	3	3	3	3	3	3	3
1/4	1,951.66	1/4	1,589.32	1/4	1,227.17	1/4	867.04	1/4	504.73	1/4	147.19	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,944.11	1/2	1,581.77	1/2	1,219.68	1/2	859.50	1/2	497.18	1/2	139.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,936.56	3/4	1,574.23	3/4	1,212.18	3/4	851.95	3/4	489.63	3/4	132.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,929.01	4	1,566.68	4	1,204.68	4	844.40	4	482.08	4	124.59	4	4	4	4	4	4	4	4
1/4	1,921.46	1/4	1,559.13	1/4	1,197.19	1/4	836.85	1/4	474.53	1/4	117.06	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,913.91	1/2	1,551.58	1/2	1,189.69	1/2	829.30	1/2	466.98	1/2	109.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,906.36	3/4	1,544.03	3/4	1,182.19	3/4	821.75	3/4	459.44	3/4	102.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,898.82	5	1,536.48	5	1,174.69	5	814.21	5	451.89	5	94.69	5	5	5	5	5	5	5	5
1/4	1,891.27	1/4	1,528.93	1/4	1,167.20	1/4	806.66	1/4	444.34	1/4	87.24	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,883.72	1/2	1,521.39	1/2	1,159.70	1/2	799.11	1/2	436.81	1/2	80.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,876.17	3/4	1,513.84	3/4	1,152.20	3/4	791.56	3/4	429.28	3/4	73.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,868.62	6	1,506.29	6	1,144.71	6	784.01	6	421.75	6	67.00	6	6	6	6	6	6	6	6
1/4	1,861.07	1/4	1,498.74	1/4	1,137.21	1/4	776.46	1/4	414.22	1/4	60.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,853.52	1/2	1,491.19	1/2	1,129.71	1/2	768.92	1/2	406.82	1/2	54.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,845.97	3/4	1,483.64	3/4	1,122.22	3/4	761.37	3/4	399.42	3/4	49.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,838.43	7	1,476.09	7	1,114.72	7	753.82	7	392.02	7	43.79	7	7	7	7	7	7	7	7
1/4	1,830.88	1/4	1,468.54	1/4	1,107.22	1/4	746.27	1/4	384.62	1/4	38.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,823.33	1/2	1,461.00	1/2	1,099.73	1/2	738.72	1/2	377.22	1/2	34.07	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,815.78	3/4	1,453.45	3/4	1,092.23	3/4	731.17	3/4	369.81	3/4	29.84	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,808.23	8	1,445.90	8	1,084.73	8	723.63	8	362.41	8	25.60	8	8	8	8	8	8	8	8
1/4	1,800.68	1/4	1,438.35	1/4	1,077.24	1/4	716.08	1/4	355.01	1/4	21.37	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,793.13	1/2	1,430.80	1/2	1,069.74	1/2	708.53	1/2	347.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,785.59	3/4	1,423.25	3/4	1,062.24	3/4	700.98	3/4	340.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,778.04	9	1,415.70	9	1,054.74	9	693.43	9	332.81	9		9	9	9	9	9	9	9	9
1/4	1,770.49	1/4	1,408.16	1/4	1,047.25	1/4	685.88	1/4	325.41	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,762.94	1/2	1,400.61	1/2	1,039.75	1/2	678.34	1/2	318.01	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,755.39	3/4	1,393.06	3/4	1,032.25	3/4	670.79	3/4	310.61	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,747.84	10	1,385.51	10	1,024.76	10	663.24	10	303.21	10		10	10	10	10	10	10	10	10
1/4	1,740.29	1/4	1,377.96	1/4	1,017.26	1/4	655.69	1/4	295.81	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,732.75	1/2	1,370.41	1/2	1,009.76	1/2	648.14	1/2	288.41	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,725.20	3/4	1,362.86	3/4	1,002.27	3/4	640.60	3/4	281.01	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,717.65	11	1,355.32	11	994.77	11	633.05	11	273.60	11		11	11	11	11	11	11	11	11
1/4	1,710.10	1/4	1,347.77	1/4	987.27	1/4	625.50	1/4	266.20	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,702.55	1/2	1,340.22	1/2	979.78	1/2	617.95	1/2	258.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,695.00	3/4	1,332.67	3/4	972.28	3/4	610.40	3/4	251.40	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: 09/23/2019 SW JS  
CALCULATED: 09/25/2019 CL  
PRINTED: 09/27/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2019

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



# BARGE "DBL 314"

## 2 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,913.23	0	4,578.59	0	4,224.85	0	3,862.68	0	3,500.50	0	3,138.31	0	2,776.13	0	2,413.87
1/4		1/4	5,238.91	1/4	4,906.46	1/4	4,571.42	1/4	4,217.32	1/4	3,855.13	1/4	3,492.95	1/4	3,130.77	1/4	2,768.58	1/4	2,406.32
1/2		1/2	5,233.80	1/2	4,899.67	1/2	4,564.22	1/2	4,209.77	1/2	3,847.59	1/2	3,485.40	1/2	3,123.22	1/2	2,761.04	1/2	2,398.77
3/4		3/4	5,228.68	3/4	4,892.88	3/4	4,557.01	3/4	4,202.23	3/4	3,840.04	3/4	3,477.86	3/4	3,115.67	3/4	2,753.49	3/4	2,391.23
1		1	5,223.57	1	4,886.08	1	4,549.81	1	4,194.68	1	3,832.50	1	3,470.31	1	3,108.13	1	2,745.95	1	2,383.68
1/4		1/4	5,218.46	1/4	4,879.29	1/4	4,542.61	1/4	4,187.14	1/4	3,824.95	1/4	3,462.77	1/4	3,100.58	1/4	2,738.40	1/4	2,376.13
1/2		1/2	5,212.13	1/2	4,872.47	1/2	4,535.37	1/2	4,179.59	1/2	3,817.41	1/2	3,455.22	1/2	3,093.04	1/2	2,730.85	1/2	2,368.58
3/4		3/4	5,205.81	3/4	4,865.64	3/4	4,528.13	3/4	4,172.05	3/4	3,809.86	3/4	3,447.68	3/4	3,085.49	3/4	2,723.31	3/4	2,361.03
2		2	5,199.48	2	4,858.82	2	4,520.89	2	4,164.50	2	3,802.32	2	3,440.13	2	3,077.95	2	2,715.76	2	2,353.48
1/4		1/4	5,193.15	1/4	4,851.99	1/4	4,513.66	1/4	4,156.95	1/4	3,794.77	1/4	3,432.59	1/4	3,070.40	1/4	2,708.22	1/4	2,345.94
1/2		1/2	5,185.84	1/2	4,845.14	1/2	4,506.39	1/2	4,149.41	1/2	3,787.22	1/2	3,425.04	1/2	3,062.86	1/2	2,700.67	1/2	2,338.39
3/4		3/4	5,178.53	3/4	4,838.29	3/4	4,499.12	3/4	4,141.86	3/4	3,779.68	3/4	3,417.49	3/4	3,055.31	3/4	2,693.13	3/4	2,330.84
3		3	5,171.22	3	4,831.43	3	4,491.86	3	4,134.32	3	3,772.13	3	3,409.95	3	3,047.77	3	2,685.58	3	2,323.29
1/4		1/4	5,163.91	1/4	4,824.58	1/4	4,484.59	1/4	4,126.77	1/4	3,764.59	1/4	3,402.40	1/4	3,040.22	1/4	2,678.04	1/4	2,315.74
1/2		1/2	5,156.47	1/2	4,817.69	1/2	4,477.29	1/2	4,119.23	1/2	3,757.04	1/2	3,394.86	1/2	3,032.67	1/2	2,670.49	1/2	2,308.20
3/4		3/4	5,149.02	3/4	4,810.80	3/4	4,469.99	3/4	4,111.68	3/4	3,749.50	3/4	3,387.31	3/4	3,025.13	3/4	2,662.94	3/4	2,300.65
4		4	5,141.57	4	4,803.91	4	4,462.70	4	4,104.14	4	3,741.95	4	3,379.77	4	3,017.58	4	2,655.40	4	2,293.10
1/4		1/4	5,134.13	1/4	4,797.02	1/4	4,455.40	1/4	4,096.59	1/4	3,734.41	1/4	3,372.22	1/4	3,010.04	1/4	2,647.85	1/4	2,285.55
1/2		1/2	5,126.68	1/2	4,790.10	1/2	4,448.07	1/2	4,089.04	1/2	3,726.86	1/2	3,364.68	1/2	3,002.49	1/2	2,640.31	1/2	2,278.00
3/4		3/4	5,119.23	3/4	4,783.18	3/4	4,440.74	3/4	4,081.50	3/4	3,719.31	3/4	3,357.13	3/4	2,994.95	3/4	2,632.76	3/4	2,270.45
5		5	5,111.78	5	4,776.26	5	4,433.40	5	4,073.95	5	3,711.77	5	3,349.59	5	2,987.40	5	2,625.22	5	2,262.91
1/4		1/4	5,104.34	1/4	4,769.34	1/4	4,426.07	1/4	4,066.41	1/4	3,704.22	1/4	3,342.04	1/4	2,979.86	1/4	2,617.67	1/4	2,255.36
1/2		1/2	5,096.89	1/2	4,762.39	1/2	4,418.71	1/2	4,058.86	1/2	3,696.68	1/2	3,334.49	1/2	2,972.31	1/2	2,610.12	1/2	2,247.81
3/4		3/4	5,089.44	3/4	4,755.43	3/4	4,411.34	3/4	4,051.32	3/4	3,689.13	3/4	3,326.95	3/4	2,964.76	3/4	2,602.58	3/4	2,240.26
6		6	5,082.00	6	4,748.48	6	4,403.98	6	4,043.77	6	3,681.59	6	3,319.40	6	2,957.22	6	2,595.03	6	2,232.71
1/4		1/4	5,074.55	1/4	4,741.53	1/4	4,396.61	1/4	4,036.23	1/4	3,674.04	1/4	3,311.86	1/4	2,949.67	1/4	2,587.48	1/4	2,225.17
1/2		1/2	5,067.10	1/2	4,734.54	1/2	4,389.22	1/2	4,028.68	1/2	3,666.50	1/2	3,304.31	1/2	2,942.13	1/2	2,579.93	1/2	2,217.62
3/4		3/4	5,059.66	3/4	4,727.56	3/4	4,381.82	3/4	4,021.13	3/4	3,658.95	3/4	3,296.77	3/4	2,934.58	3/4	2,572.38	3/4	2,210.07
7		7	5,052.21	7	4,720.57	7	4,374.43	7	4,013.59	7	3,651.41	7	3,289.22	7	2,927.04	7	2,564.83	7	2,202.52
1/4		1/4	5,044.76	1/4	4,713.59	1/4	4,367.03	1/4	4,006.04	1/4	3,643.86	1/4	3,281.68	1/4	2,919.49	1/4	2,557.29	1/4	2,194.97
1/2		1/2	5,037.37	1/2	4,706.54	1/2	4,359.61	1/2	3,998.50	1/2	3,636.31	1/2	3,274.13	1/2	2,911.95	1/2	2,549.74	1/2	2,187.42
3/4		3/4	5,029.97	3/4	4,699.50	3/4	4,352.18	3/4	3,990.95	3/4	3,628.77	3/4	3,266.58	3/4	2,904.40	3/4	2,542.19	3/4	2,179.88
8		8	5,022.58	8	4,692.45	8	4,344.76	8	3,983.41	8	3,621.22	8	3,259.04	8	2,896.86	8	2,534.64	8	2,172.33
1/4		1/4	5,015.18	1/4	4,685.40	1/4	4,337.33	1/4	3,975.86	1/4	3,613.68	1/4	3,251.49	1/4	2,889.31	1/4	2,527.09	1/4	2,164.78
1/2		1/2	5,008.20	1/2	4,678.33	1/2	4,329.88	1/2	3,968.32	1/2	3,606.13	1/2	3,243.95	1/2	2,881.76	1/2	2,519.54	1/2	2,157.23
3/4		3/4	5,001.21	3/4	4,671.25	3/4	4,322.42	3/4	3,960.77	3/4	3,598.59	3/4	3,236.40	3/4	2,874.22	3/4	2,512.00	3/4	2,149.68
9		9	4,994.23	9	4,664.17	9	4,314.97	9	3,953.23	9	3,591.04	9	3,228.86	9	2,866.67	9	2,504.45	9	2,142.13
1/4		1/4	4,987.24	1/4	4,657.09	1/4	4,307.51	1/4	3,945.68	1/4	3,583.50	1/4	3,221.31	1/4	2,859.13	1/4	2,496.90	1/4	2,134.59
1/2		1/2	4,980.54	1/2	4,649.98	1/2	4,300.02	1/2	3,938.13	1/2	3,575.95	1/2	3,213.77	1/2	2,851.58	1/2	2,489.35	1/2	2,127.04
3/4		3/4	4,973.84	3/4	4,642.87	3/4	4,292.53	3/4	3,930.59	3/4	3,568.40	3/4	3,206.22	3/4	2,844.04	3/4	2,481.80	3/4	2,119.49
10		10	4,967.15	10	4,635.76	10	4,285.04	10	3,923.04	10	3,560.86	10	3,198.68	10	2,836.49	10	2,474.26	10	2,111.94
1/4		1/4	4,960.45	1/4	4,628.65	1/4	4,277.55	1/4	3,915.50	1/4	3,553.31	1/4	3,191.13	1/4	2,828.95	1/4	2,466.71	1/4	2,104.39
1/2		1/2	4,953.72	1/2	4,621.52	1/2	4,270.03	1/2	3,907.95	1/2	3,545.77	1/2	3,183.58	1/2	2,821.40	1/2	2,459.16	1/2	2,096.85
3/4		3/4	4,946.98	3/4	4,614.38	3/4	4,262.51	3/4	3,900.41	3/4	3,538.22	3/4	3,176.04	3/4	2,813.85	3/4	2,451.61	3/4	2,089.30
11		11	4,940.25	11	4,607.24	11	4,254.99	11	3,892.86	11	3,530.68	11	3,168.49	11	2,806.31	11	2,444.06	11	2,081.75
1/4		1/4	4,933.52	1/4	4,600.10	1/4	4,247.46	1/4	3,885.32	1/4	3,523.13	1/4	3,160.95	1/4	2,798.76	1/4	2,436.51	1/4	2,074.20
1/2		1/2	4,926.75	1/2	4,592.93	1/2	4,239.93	1/2	3,877.77	1/2	3,515.59	1/2	3,153.40	1/2	2,791.22	1/2	2,428.97	1/2	2,066.65
3/4		3/4	4,919.99	3/4	4,585.76	3/4	4,232.39	3/4	3,870.22	3/4	3,508.04	3/4	3,145.86	3/4	2,783.67	3/4	2,421.42	3/4	2,059.10

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.

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 314"

## 2 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	2,051.56	0	1,689.24	0	1,326.93	0	965.05	0	602.81	0	243.98	0		0		0		0	
1/4	2,044.01	1/4	1,681.69	1/4	1,319.38	1/4	957.52	1/4	595.26	1/4	236.58	1/4		1/4		1/4		1/4	
1/2	2,036.46	1/2	1,674.15	1/2	1,311.83	1/2	949.98	1/2	587.71	1/2	229.18	1/2		1/2		1/2		1/2	
3/4	2,028.91	3/4	1,666.60	3/4	1,304.28	3/4	942.44	3/4	580.16	3/4	221.78	3/4		3/4		3/4		3/4	
1	2,021.36	1	1,659.05	1	1,296.74	1	934.90	1	572.62	1	214.38	1		1		1		1	
1/4	2,013.82	1/4	1,651.50	1/4	1,289.19	1/4	927.37	1/4	565.07	1/4	206.98	1/4		1/4		1/4		1/4	
1/2	2,006.27	1/2	1,643.95	1/2	1,281.64	1/2	919.82	1/2	557.52	1/2	199.57	1/2		1/2		1/2		1/2	
3/4	1,998.72	3/4	1,636.41	3/4	1,274.09	3/4	912.27	3/4	549.97	3/4	192.15	3/4		3/4		3/4		3/4	
2	1,991.17	2	1,628.86	2	1,266.54	2	904.72	2	542.42	2	184.73	2		2		2		2	
1/4	1,983.62	1/4	1,621.31	1/4	1,259.00	1/4	897.18	1/4	534.88	1/4	177.32	1/4		1/4		1/4		1/4	
1/2	1,976.07	1/2	1,613.76	1/2	1,251.45	1/2	889.63	1/2	527.33	1/2	169.78	1/2		1/2		1/2		1/2	
3/4	1,968.53	3/4	1,606.21	3/4	1,243.90	3/4	882.08	3/4	519.78	3/4	162.25	3/4		3/4		3/4		3/4	
3	1,960.98	3	1,598.66	3	1,236.36	3	874.53	3	512.23	3	154.72	3		3		3		3	
1/4	1,953.43	1/4	1,591.12	1/4	1,228.81	1/4	866.98	1/4	504.68	1/4	147.18	1/4		1/4		1/4		1/4	
1/2	1,945.88	1/2	1,583.57	1/2	1,221.28	1/2	859.44	1/2	497.14	1/2	139.65	1/2		1/2		1/2		1/2	
3/4	1,938.33	3/4	1,576.02	3/4	1,213.74	3/4	851.89	3/4	489.59	3/4	132.12	3/4		3/4		3/4		3/4	
4	1,930.79	4	1,568.47	4	1,206.20	4	844.34	4	482.04	4	124.59	4		4		4		4	
1/4	1,923.24	1/4	1,560.92	1/4	1,198.67	1/4	836.79	1/4	474.49	1/4	117.05	1/4		1/4		1/4		1/4	
1/2	1,915.69	1/2	1,553.38	1/2	1,191.13	1/2	829.24	1/2	466.95	1/2	109.60	1/2		1/2		1/2		1/2	
3/4	1,908.14	3/4	1,545.83	3/4	1,183.60	3/4	821.70	3/4	459.40	3/4	102.14	3/4		3/4		3/4		3/4	
5	1,900.59	5	1,538.28	5	1,176.06	5	814.15	5	451.85	5	94.69	5		5		5		5	
1/4	1,893.04	1/4	1,530.73	1/4	1,168.52	1/4	806.60	1/4	444.30	1/4	87.23	1/4		1/4		1/4		1/4	
1/2	1,885.50	1/2	1,523.18	1/2	1,160.99	1/2	799.05	1/2	436.77	1/2	80.49	1/2		1/2		1/2		1/2	
3/4	1,877.95	3/4	1,515.63	3/4	1,153.45	3/4	791.50	3/4	429.24	3/4	73.74	3/4		3/4		3/4		3/4	
6	1,870.40	6	1,508.09	6	1,145.92	6	783.96	6	421.71	6	66.99	6		6		6		6	
1/4	1,862.85	1/4	1,500.54	1/4	1,138.38	1/4	776.41	1/4	414.18	1/4	60.25	1/4		1/4		1/4		1/4	
1/2	1,855.30	1/2	1,492.99	1/2	1,130.84	1/2	768.86	1/2	406.78	1/2	54.76	1/2		1/2		1/2		1/2	
3/4	1,847.76	3/4	1,485.44	3/4	1,123.31	3/4	761.31	3/4	399.38	3/4	49.27	3/4		3/4		3/4		3/4	
7	1,840.21	7	1,477.89	7	1,115.77	7	753.77	7	391.98	7	43.78	7		7		7		7	
1/4	1,832.66	1/4	1,470.35	1/4	1,108.24	1/4	746.22	1/4	384.58	1/4	38.30	1/4		1/4		1/4		1/4	
1/2	1,825.11	1/2	1,462.80	1/2	1,100.70	1/2	738.67	1/2	377.18	1/2	34.06	1/2		1/2		1/2		1/2	
3/4	1,817.56	3/4	1,455.25	3/4	1,093.16	3/4	731.12	3/4	369.78	3/4	29.83	3/4		3/4		3/4		3/4	
8	1,810.01	8	1,447.70	8	1,085.63	8	723.57	8	362.38	8	25.60	8		8		8		8	
1/4	1,802.47	1/4	1,440.15	1/4	1,078.09	1/4	716.03	1/4	354.98	1/4	21.37	1/4		1/4		1/4		1/4	
1/2	1,794.92	1/2	1,432.60	1/2	1,070.56	1/2	708.48	1/2	347.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,787.37	3/4	1,425.06	3/4	1,063.02	3/4	700.93	3/4	340.18	3/4		3/4		3/4		3/4		3/4	
9	1,779.82	9	1,417.51	9	1,055.48	9	693.38	9	332.78	9		9		9		9		9	
1/4	1,772.27	1/4	1,409.96	1/4	1,047.95	1/4	685.83	1/4	325.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,764.72	1/2	1,402.41	1/2	1,040.41	1/2	678.29	1/2	317.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,757.18	3/4	1,394.86	3/4	1,032.88	3/4	670.74	3/4	310.58	3/4		3/4		3/4		3/4		3/4	
10	1,749.63	10	1,387.31	10	1,025.34	10	663.19	10	303.18	10		10		10		10		10	
1/4	1,742.08	1/4	1,379.77	1/4	1,017.80	1/4	655.64	1/4	295.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,734.53	1/2	1,372.22	1/2	1,010.27	1/2	648.09	1/2	288.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,726.98	3/4	1,364.67	3/4	1,002.73	3/4	640.55	3/4	280.98	3/4		3/4		3/4		3/4		3/4	
11	1,719.44	11	1,357.12	11	995.20	11	633.00	11	273.58	11		11		11		11		11	
1/4	1,711.89	1/4	1,349.57	1/4	987.66	1/4	625.45	1/4	266.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,704.34	1/2	1,342.03	1/2	980.12	1/2	617.90	1/2	258.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,696.79	3/4	1,334.48	3/4	972.59	3/4	610.36	3/4	251.38	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/23/2019 SW JS  
CALCULATED: 09/25/2019 CL  
PRINTED: 09/27/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "DBL 314"

# 2 STBD 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		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	4,900.03	0	4,566.82	0	4,214.46	0	3,852.97	0	3,491.46	0	3,129.96	0	2,768.46	0	2,408.58
1/4		1/4		1/4	4,893.28	1/4	4,559.66	1/4	4,206.94	1/4	3,845.44	1/4	3,483.93	1/4	3,122.42	1/4	2,760.94	1/4	2,401.04
1/2		1/2		1/2	4,886.53	1/2	4,552.50	1/2	4,199.41	1/2	3,837.91	1/2	3,476.40	1/2	3,114.89	1/2	2,753.42	1/2	2,393.51
3/4		3/4	5,211.61	3/4	4,879.78	3/4	4,545.35	3/4	4,191.88	3/4	3,830.38	3/4	3,468.87	3/4	3,107.36	3/4	2,745.91	3/4	2,385.97
1		1	5,206.51	1	4,873.00	1	4,538.16	1	4,184.35	1	3,822.84	1	3,461.34	1	3,099.83	1	2,738.48	1	2,378.44
1/4		1/4	5,201.40	1/4	4,866.22	1/4	4,530.97	1/4	4,176.82	1/4	3,815.31	1/4	3,453.81	1/4	3,092.30	1/4	2,731.06	1/4	2,370.90
1/2		1/2	5,196.30	1/2	4,859.44	1/2	4,523.78	1/2	4,169.29	1/2	3,807.78	1/2	3,446.27	1/2	3,084.77	1/2	2,723.63	1/2	2,363.37
3/4		3/4	5,191.20	3/4	4,852.65	3/4	4,516.59	3/4	4,161.76	3/4	3,800.25	3/4	3,438.74	3/4	3,077.24	3/4	2,716.21	3/4	2,355.84
2		2	5,184.88	2	4,845.84	2	4,509.36	2	4,154.23	2	3,792.72	2	3,431.21	2	3,069.70	2	2,708.78	2	2,348.30
1/4		1/4	5,178.57	1/4	4,839.03	1/4	4,502.14	1/4	4,146.69	1/4	3,785.19	1/4	3,423.68	1/4	3,062.17	1/4	2,701.36	1/4	2,340.77
1/2		1/2	5,172.25	1/2	4,832.22	1/2	4,494.91	1/2	4,139.16	1/2	3,777.66	1/2	3,416.15	1/2	3,054.64	1/2	2,693.93	1/2	2,333.23
3/4		3/4	5,165.94	3/4	4,825.41	3/4	4,487.69	3/4	4,131.63	3/4	3,770.12	3/4	3,408.62	3/4	3,047.11	3/4	2,686.51	3/4	2,325.70
3		3	5,158.64	3	4,818.57	3	4,480.44	3	4,124.10	3	3,762.59	3	3,401.09	3	3,039.58	3	2,679.08	3	2,318.16
1/4		1/4	5,151.35	1/4	4,811.73	1/4	4,473.18	1/4	4,116.57	1/4	3,755.06	1/4	3,393.55	1/4	3,032.05	1/4	2,671.66	1/4	2,310.63
1/2		1/2	5,144.05	1/2	4,804.88	1/2	4,465.93	1/2	4,109.04	1/2	3,747.53	1/2	3,386.02	1/2	3,024.52	1/2	2,664.23	1/2	2,303.10
3/4		3/4	5,136.76	3/4	4,798.04	3/4	4,458.68	3/4	4,101.51	3/4	3,740.00	3/4	3,378.49	3/4	3,016.98	3/4	2,656.81	3/4	2,295.56
4		4	5,129.32	4	4,791.17	4	4,451.39	4	4,093.97	4	3,732.47	4	3,370.96	4	3,009.45	4	2,649.37	4	2,288.03
1/4		1/4	5,121.89	1/4	4,784.29	1/4	4,444.11	1/4	4,086.44	1/4	3,724.94	1/4	3,363.43	1/4	3,001.92	1/4	2,641.93	1/4	2,280.49
1/2		1/2	5,114.46	1/2	4,777.41	1/2	4,436.82	1/2	4,078.91	1/2	3,717.40	1/2	3,355.90	1/2	2,994.39	1/2	2,634.49	1/2	2,272.96
3/4		3/4	5,107.02	3/4	4,770.54	3/4	4,429.54	3/4	4,071.38	3/4	3,709.87	3/4	3,348.37	3/4	2,986.86	3/4	2,627.05	3/4	2,265.43
5		5	5,099.59	5	4,763.63	5	4,422.22	5	4,063.85	5	3,702.34	5	3,340.83	5	2,979.33	5	2,619.52	5	2,257.89
1/4		1/4	5,092.16	1/4	4,756.72	1/4	4,414.90	1/4	4,056.32	1/4	3,694.81	1/4	3,333.30	1/4	2,971.80	1/4	2,611.99	1/4	2,250.36
1/2		1/2	5,084.72	1/2	4,749.81	1/2	4,407.59	1/2	4,048.79	1/2	3,687.28	1/2	3,325.77	1/2	2,964.26	1/2	2,604.46	1/2	2,242.82
3/4		3/4	5,077.29	3/4	4,742.90	3/4	4,400.27	3/4	4,041.25	3/4	3,679.75	3/4	3,318.24	3/4	2,956.73	3/4	2,596.93	3/4	2,235.29
6		6	5,069.86	6	4,735.96	6	4,392.92	6	4,033.72	6	3,672.22	6	3,310.71	6	2,949.20	6	2,589.40	6	2,227.75
1/4		1/4	5,062.43	1/4	4,729.02	1/4	4,385.57	1/4	4,026.19	1/4	3,664.68	1/4	3,303.18	1/4	2,941.67	1/4	2,581.86	1/4	2,220.22
1/2		1/2	5,054.99	1/2	4,722.09	1/2	4,378.21	1/2	4,018.66	1/2	3,657.15	1/2	3,295.65	1/2	2,934.14	1/2	2,574.33	1/2	2,212.69
3/4		3/4	5,047.56	3/4	4,715.15	3/4	4,370.86	3/4	4,011.13	3/4	3,649.62	3/4	3,288.11	3/4	2,926.61	3/4	2,566.79	3/4	2,205.15
7		7	5,040.13	7	4,708.17	7	4,363.48	7	4,003.60	7	3,642.09	7	3,280.58	7	2,919.08	7	2,559.26	7	2,197.62
1/4		1/4	5,032.69	1/4	4,701.20	1/4	4,356.10	1/4	3,996.07	1/4	3,634.56	1/4	3,273.05	1/4	2,911.54	1/4	2,551.72	1/4	2,190.08
1/2		1/2	5,025.26	1/2	4,694.23	1/2	4,348.72	1/2	3,988.53	1/2	3,627.03	1/2	3,265.52	1/2	2,904.01	1/2	2,544.19	1/2	2,182.55
3/4		3/4	5,017.83	3/4	4,687.25	3/4	4,341.34	3/4	3,981.00	3/4	3,619.50	3/4	3,257.99	3/4	2,896.48	3/4	2,536.66	3/4	2,175.01
8		8	5,010.45	8	4,680.22	8	4,333.93	8	3,973.47	8	3,611.96	8	3,250.46	8	2,888.95	8	2,529.12	8	2,167.48
1/4		1/4	5,003.06	1/4	4,673.19	1/4	4,326.52	1/4	3,965.94	1/4	3,604.43	1/4	3,242.93	1/4	2,881.42	1/4	2,521.59	1/4	2,159.95
1/2		1/2	4,995.68	1/2	4,666.16	1/2	4,319.10	1/2	3,958.41	1/2	3,596.90	1/2	3,235.39	1/2	2,873.89	1/2	2,514.05	1/2	2,152.41
3/4		3/4	4,988.30	3/4	4,659.12	3/4	4,311.69	3/4	3,950.88	3/4	3,589.37	3/4	3,227.86	3/4	2,866.36	3/4	2,506.52	3/4	2,144.88
9		9	4,981.33	9	4,652.06	9	4,304.25	9	3,943.35	9	3,581.84	9	3,220.33	9	2,858.82	9	2,498.99	9	2,137.34
1/4		1/4	4,974.36	1/4	4,644.99	1/4	4,296.81	1/4	3,935.81	1/4	3,574.31	1/4	3,212.80	1/4	2,851.29	1/4	2,491.45	1/4	2,129.81
1/2		1/2	4,967.38	1/2	4,637.93	1/2	4,289.37	1/2	3,928.28	1/2	3,566.78	1/2	3,205.27	1/2	2,843.76	1/2	2,483.92	1/2	2,122.28
3/4		3/4	4,960.41	3/4	4,630.86	3/4	4,281.92	3/4	3,920.75	3/4	3,559.24	3/4	3,197.74	3/4	2,836.23	3/4	2,476.38	3/4	2,114.74
10		10	4,953.72	10	4,623.76	10	4,274.45	10	3,913.22	10	3,551.71	10	3,190.21	10	2,828.70	10	2,468.85	10	2,107.21
1/4		1/4	4,947.04	1/4	4,616.67	1/4	4,266.97	1/4	3,905.69	1/4	3,544.18	1/4	3,182.67	1/4	2,821.17	1/4	2,461.31	1/4	2,099.67
1/2		1/2	4,940.35	1/2	4,609.57	1/2	4,259.50	1/2	3,898.16	1/2	3,536.65	1/2	3,175.14	1/2	2,813.64	1/2	2,453.78	1/2	2,092.14
3/4		3/4	4,933.67	3/4	4,602.48	3/4	4,252.02	3/4	3,890.63	3/4	3,529.12	3/4	3,167.61	3/4	2,806.10	3/4	2,446.25	3/4	2,084.60
11		11	4,926.95	11	4,595.35	11	4,244.51	11	3,883.10	11	3,521.59	11	3,160.08	11	2,798.57	11	2,438.71	11	2,077.07
1/4		1/4	4,920.23	1/4	4,588.22	1/4	4,237.01	1/4	3,875.56	1/4	3,514.06	1/4	3,152.55	1/4	2,791.04	1/4	2,431.18	1/4	2,069.54
1/2		1/2	4,913.51	1/2	4,581.10	1/2	4,229.50	1/2	3,868.03	1/2	3,506.53	1/2	3,145.02	1/2	2,783.51	1/2	2,423.64	1/2	2,062.00
3/4		3/4	4,906.79	3/4	4,573.97	3/4	4,221.99	3/4	3,860.50	3/4	3,498.99	3/4	3,137.49	3/4	2,775.98	3/4	2,416.11	3/4	2,054.47

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.

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 314"

## 2 STBD 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	2,046.93	0	1,685.29	0	1,323.65	0	974.83	0	616.76	0	258.30	0		0		0		0	
1/4	2,039.40	1/4	1,677.76	1/4	1,316.12	1/4	967.64	1/4	609.22	1/4	250.92	1/4		1/4		1/4		1/4	
1/2	2,031.87	1/2	1,670.22	1/2	1,308.58	1/2	960.45	1/2	601.69	1/2	243.53	1/2		1/2		1/2		1/2	
3/4	2,024.33	3/4	1,662.69	3/4	1,301.05	3/4	953.26	3/4	594.16	3/4	236.14	3/4		3/4		3/4		3/4	
1	2,016.80	1	1,655.16	1	1,293.51	1	946.07	1	586.62	1	228.76	1		1		1		1	
1/4	2,009.26	1/4	1,647.62	1/4	1,285.98	1/4	938.87	1/4	579.09	1/4	221.37	1/4		1/4		1/4		1/4	
1/2	2,001.73	1/2	1,640.09	1/2	1,278.45	1/2	931.68	1/2	571.55	1/2	213.99	1/2		1/2		1/2		1/2	
3/4	1,994.19	3/4	1,632.55	3/4	1,270.91	3/4	924.49	3/4	564.02	3/4	206.60	3/4		3/4		3/4		3/4	
2	1,986.66	2	1,625.02	2	1,263.42	2	917.24	2	556.49	2	199.20	2		2		2		2	
1/4	1,979.13	1/4	1,617.48	1/4	1,255.93	1/4	910.00	1/4	548.95	1/4	191.79	1/4		1/4		1/4		1/4	
1/2	1,971.59	1/2	1,609.95	1/2	1,248.43	1/2	902.76	1/2	541.42	1/2	184.39	1/2		1/2		1/2		1/2	
3/4	1,964.06	3/4	1,602.42	3/4	1,240.94	3/4	895.51	3/4	533.88	3/4	176.99	3/4		3/4		3/4		3/4	
3	1,956.52	3	1,594.88	3	1,233.74	3	887.98	3	526.35	3	169.47	3		3		3		3	
1/4	1,948.99	1/4	1,587.35	1/4	1,226.54	1/4	880.44	1/4	518.82	1/4	161.95	1/4		1/4		1/4		1/4	
1/2	1,941.45	1/2	1,579.81	1/2	1,219.34	1/2	872.91	1/2	511.28	1/2	154.43	1/2		1/2		1/2		1/2	
3/4	1,933.92	3/4	1,572.28	3/4	1,212.13	3/4	865.38	3/4	503.75	3/4	146.91	3/4		3/4		3/4		3/4	
4	1,926.39	4	1,564.74	4	1,204.94	4	857.84	4	496.21	4	139.39	4		4		4		4	
1/4	1,918.85	1/4	1,557.21	1/4	1,197.75	1/4	850.31	1/4	488.68	1/4	131.87	1/4		1/4		1/4		1/4	
1/2	1,911.32	1/2	1,549.68	1/2	1,190.56	1/2	842.77	1/2	481.15	1/2	124.35	1/2		1/2		1/2		1/2	
3/4	1,903.78	3/4	1,542.14	3/4	1,183.37	3/4	835.24	3/4	473.61	3/4	116.83	3/4		3/4		3/4		3/4	
5	1,896.25	5	1,534.61	5	1,176.18	5	827.71	5	466.08	5	109.39	5		5		5		5	
1/4	1,888.72	1/4	1,527.07	1/4	1,168.99	1/4	820.17	1/4	458.55	1/4	101.95	1/4		1/4		1/4		1/4	
1/2	1,881.18	1/2	1,519.54	1/2	1,161.80	1/2	812.64	1/2	451.01	1/2	94.51	1/2		1/2		1/2		1/2	
3/4	1,873.65	3/4	1,512.01	3/4	1,154.61	3/4	805.10	3/4	443.48	3/4	87.07	3/4		3/4		3/4		3/4	
6	1,866.11	6	1,504.47	6	1,147.41	6	797.57	6	435.96	6	80.34	6		6		6		6	
1/4	1,858.58	1/4	1,496.94	1/4	1,140.22	1/4	790.04	1/4	428.45	1/4	73.60	1/4		1/4		1/4		1/4	
1/2	1,851.04	1/2	1,489.40	1/2	1,133.03	1/2	782.50	1/2	420.93	1/2	66.87	1/2		1/2		1/2		1/2	
3/4	1,843.51	3/4	1,481.87	3/4	1,125.84	3/4	774.97	3/4	413.42	3/4	60.14	3/4		3/4		3/4		3/4	
7	1,835.98	7	1,474.33	7	1,118.65	7	767.44	7	406.03	7	54.66	7		7		7		7	
1/4	1,828.44	1/4	1,466.80	1/4	1,111.46	1/4	759.90	1/4	398.64	1/4	49.18	1/4		1/4		1/4		1/4	
1/2	1,820.91	1/2	1,459.27	1/2	1,104.27	1/2	752.37	1/2	391.26	1/2	43.70	1/2		1/2		1/2		1/2	
3/4	1,813.37	3/4	1,451.73	3/4	1,097.08	3/4	744.83	3/4	383.87	3/4	38.22	3/4		3/4		3/4		3/4	
8	1,805.84	8	1,444.20	8	1,089.89	8	737.30	8	376.48	8	34.00	8		8		8		8	
1/4	1,798.30	1/4	1,436.66	1/4	1,082.70	1/4	729.77	1/4	369.10	1/4	29.78	1/4		1/4		1/4		1/4	
1/2	1,790.77	1/2	1,429.13	1/2	1,075.50	1/2	722.23	1/2	361.71	1/2	25.55	1/2		1/2		1/2		1/2	
3/4	1,783.24	3/4	1,421.59	3/4	1,068.31	3/4	714.70	3/4	354.33	3/4	21.33	3/4		3/4		3/4		3/4	
9	1,775.70	9	1,414.06	9	1,061.12	9	707.16	9	346.94	9		9		9		9		9	
1/4	1,768.17	1/4	1,406.53	1/4	1,053.93	1/4	699.63	1/4	339.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,760.63	1/2	1,398.99	1/2	1,046.74	1/2	692.10	1/2	332.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,753.10	3/4	1,391.46	3/4	1,039.55	3/4	684.56	3/4	324.78	3/4		3/4		3/4		3/4		3/4	
10	1,745.57	10	1,383.92	10	1,032.36	10	677.03	10	317.39	10		10		10		10		10	
1/4	1,738.03	1/4	1,376.39	1/4	1,025.17	1/4	669.49	1/4	310.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,730.50	1/2	1,368.86	1/2	1,017.98	1/2	661.96	1/2	302.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,722.96	3/4	1,361.32	3/4	1,010.79	3/4	654.43	3/4	295.23	3/4		3/4		3/4		3/4		3/4	
11	1,715.43	11	1,353.79	11	1,003.59	11	646.89	11	287.85	11		11		11		11		11	
1/4	1,707.89	1/4	1,346.25	1/4	996.40	1/4	639.36	1/4	280.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,700.36	1/2	1,338.72	1/2	989.21	1/2	631.83	1/2	273.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,692.83	3/4	1,331.18	3/4	982.02	3/4	624.29	3/4	265.69	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/23/2019 SW JS  
CALCULATED: 09/25/2019 CL  
PRINTED: 09/27/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2019

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



# BARGE "DBL 314"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	4,402.67	0	4,236.21	0	4,068.49	0	3,882.17	0	3,687.81	0	3,477.98	0	3,118.92	0	2,758.61	0	2,397.71
1/4		1/4	4,401.01	1/4	4,232.90	1/4	4,064.78	1/4	3,878.12	1/4	3,683.76	1/4	3,470.49	1/4	3,111.41	1/4	2,751.09	1/4	2,390.19
1/2		1/2	4,399.35	1/2	4,229.58	1/2	4,061.08	1/2	3,874.07	1/2	3,679.71	1/2	3,463.01	1/2	3,103.91	1/2	2,743.57	1/2	2,382.67
3/4		3/4	4,397.69	3/4	4,226.27	3/4	4,057.37	3/4	3,870.02	3/4	3,675.66	3/4	3,455.52	3/4	3,096.40	3/4	2,736.05	3/4	2,375.15
1		1	4,396.03	1	4,222.95	1	4,053.66	1	3,865.97	1	3,671.61	1	3,448.03	1	3,088.90	1	2,728.53	1	2,367.63
1/4		1/4	4,393.15	1/4	4,219.61	1/4	4,049.92	1/4	3,861.92	1/4	3,667.56	1/4	3,440.55	1/4	3,081.39	1/4	2,721.02	1/4	2,360.11
1/2		1/2	4,390.27	1/2	4,216.26	1/2	4,046.17	1/2	3,857.87	1/2	3,663.51	1/2	3,433.06	1/2	3,073.89	1/2	2,713.50	1/2	2,352.59
3/4		3/4	4,387.39	3/4	4,212.92	3/4	4,042.43	3/4	3,853.83	3/4	3,659.46	3/4	3,425.57	3/4	3,066.38	3/4	2,705.98	3/4	2,345.07
2		2	4,384.51	2	4,209.58	2	4,038.69	2	3,849.78	2	3,655.41	2	3,418.09	2	3,058.87	2	2,698.46	2	2,337.55
1/4		1/4	4,380.65	1/4	4,206.20	1/4	4,034.92	1/4	3,845.73	1/4	3,651.37	1/4	3,410.60	1/4	3,051.37	1/4	2,690.94	1/4	2,330.03
1/2		1/2	4,376.79	1/2	4,202.83	1/2	4,031.15	1/2	3,841.68	1/2	3,647.32	1/2	3,403.11	1/2	3,043.86	1/2	2,683.43	1/2	2,322.51
3/4		3/4	4,372.93	3/4	4,199.45	3/4	4,027.38	3/4	3,837.63	3/4	3,643.27	3/4	3,395.63	3/4	3,036.36	3/4	2,675.91	3/4	2,314.99
3		3	4,369.06	3	4,196.08	3	4,023.60	3	3,833.58	3	3,639.22	3	3,388.14	3	3,028.85	3	2,668.39	3	2,307.47
1/4		1/4	4,365.07	1/4	4,192.67	1/4	4,019.80	1/4	3,829.53	1/4	3,635.17	1/4	3,380.65	1/4	3,021.35	1/4	2,660.87	1/4	2,299.96
1/2		1/2	4,361.07	1/2	4,189.26	1/2	4,016.00	1/2	3,825.48	1/2	3,631.12	1/2	3,373.17	1/2	3,013.84	1/2	2,653.35	1/2	2,292.44
3/4		3/4	4,357.08	3/4	4,185.85	3/4	4,012.20	3/4	3,821.43	3/4	3,627.07	3/4	3,365.68	3/4	3,006.34	3/4	2,645.84	3/4	2,284.92
4		4	4,353.08	4	4,182.44	4	4,008.40	4	3,817.38	4	3,623.02	4	3,358.20	4	2,998.83	4	2,638.32	4	2,277.40
1/4		1/4	4,349.08	1/4	4,179.00	1/4	4,004.56	1/4	3,813.33	1/4	3,618.97	1/4	3,350.71	1/4	2,991.33	1/4	2,630.80	1/4	2,269.88
1/2		1/2	4,345.09	1/2	4,175.56	1/2	4,000.72	1/2	3,809.28	1/2	3,614.92	1/2	3,343.23	1/2	2,983.82	1/2	2,623.28	1/2	2,262.36
3/4		3/4	4,341.09	3/4	4,172.11	3/4	3,996.89	3/4	3,805.23	3/4	3,610.87	3/4	3,335.74	3/4	2,976.32	3/4	2,615.77	3/4	2,254.84
5		5	4,337.10	5	4,168.67	5	3,993.05	5	3,801.19	5	3,606.82	5	3,328.26	5	2,968.81	5	2,608.25	5	2,247.32
1/4		1/4	4,333.10	1/4	4,165.20	1/4	3,989.18	1/4	3,797.14	1/4	3,602.77	1/4	3,320.79	1/4	2,961.31	1/4	2,600.73	1/4	2,239.80
1/2		1/2	4,329.10	1/2	4,161.73	1/2	3,985.31	1/2	3,793.09	1/2	3,598.73	1/2	3,313.32	1/2	2,953.80	1/2	2,593.21	1/2	2,232.28
3/4		3/4	4,325.11	3/4	4,158.25	3/4	3,981.44	3/4	3,789.04	3/4	3,594.68	3/4	3,305.84	3/4	2,946.30	3/4	2,585.69	3/4	2,224.76
6		6	4,321.11	6	4,154.78	6	3,977.57	6	3,784.99	6	3,590.63	6	3,298.37	6	2,938.79	6	2,578.17	6	2,217.24
1/4		1/4	4,317.12	1/4	4,151.28	1/4	3,973.67	1/4	3,780.94	1/4	3,586.58	1/4	3,290.90	1/4	2,931.29	1/4	2,570.65	1/4	2,209.72
1/2		1/2	4,313.12	1/2	4,147.77	1/2	3,969.78	1/2	3,776.89	1/2	3,582.53	1/2	3,283.43	1/2	2,923.78	1/2	2,563.13	1/2	2,202.20
3/4		3/4	4,309.12	3/4	4,144.27	3/4	3,965.88	3/4	3,772.84	3/4	3,578.48	3/4	3,275.96	3/4	2,916.28	3/4	2,555.61	3/4	2,194.68
7		7	4,305.13	7	4,140.77	7	3,961.98	7	3,768.79	7	3,574.43	7	3,268.49	7	2,908.77	7	2,548.10	7	2,187.16
1/4		1/4	4,301.19	1/4	4,137.21	1/4	3,958.05	1/4	3,764.74	1/4	3,570.38	1/4	3,261.02	1/4	2,901.27	1/4	2,540.58	1/4	2,179.64
1/2		1/2	4,297.24	1/2	4,133.66	1/2	3,954.12	1/2	3,760.69	1/2	3,566.33	1/2	3,253.55	1/2	2,893.76	1/2	2,533.06	1/2	2,172.13
3/4		3/4	4,293.30	3/4	4,130.11	3/4	3,950.19	3/4	3,756.64	3/4	3,562.28	3/4	3,246.08	3/4	2,886.26	3/4	2,525.54	3/4	2,164.61
8		8	4,289.35	8	4,126.56	8	3,946.26	8	3,752.60	8	3,558.23	8	3,238.61	8	2,878.75	8	2,518.02	8	2,157.09
1/4		1/4	4,285.82	1/4	4,122.98	1/4	3,942.30	1/4	3,748.55	1/4	3,554.18	1/4	3,231.14	1/4	2,871.25	1/4	2,510.50	1/4	2,149.57
1/2		1/2	4,282.29	1/2	4,119.39	1/2	3,938.34	1/2	3,744.50	1/2	3,550.14	1/2	3,223.67	1/2	2,863.74	1/2	2,502.98	1/2	2,142.05
3/4		3/4	4,278.76	3/4	4,115.81	3/4	3,934.38	3/4	3,740.45	3/4	3,546.09	3/4	3,216.19	3/4	2,856.24	3/4	2,495.46	3/4	2,134.53
9		9	4,275.22	9	4,112.22	9	3,930.42	9	3,736.40	9	3,542.04	9	3,208.72	9	2,848.73	9	2,487.94	9	2,127.01
1/4		1/4	4,272.01	1/4	4,108.61	1/4	3,926.43	1/4	3,732.35	1/4	3,537.99	1/4	3,201.25	1/4	2,841.23	1/4	2,480.42	1/4	2,119.49
1/2		1/2	4,268.79	1/2	4,105.00	1/2	3,922.43	1/2	3,728.30	1/2	3,533.94	1/2	3,193.78	1/2	2,833.72	1/2	2,472.90	1/2	2,111.97
3/4		3/4	4,265.57	3/4	4,101.38	3/4	3,918.44	3/4	3,724.25	3/4	3,529.89	3/4	3,186.31	3/4	2,826.22	3/4	2,465.38	3/4	2,104.45
10		10	4,262.36	10	4,097.77	10	3,914.45	10	3,720.20	10	3,525.84	10	3,178.84	10	2,818.71	10	2,457.86	10	2,096.93
1/4		1/4	4,259.10	1/4	4,094.12	1/4	3,910.42	1/4	3,716.15	1/4	3,521.36	1/4	3,171.36	1/4	2,811.20	1/4	2,450.34	1/4	2,089.41
1/2		1/2	4,255.85	1/2	4,090.48	1/2	3,906.39	1/2	3,712.10	1/2	3,516.88	1/2	3,163.89	1/2	2,803.70	1/2	2,442.82	1/2	2,081.89
3/4		3/4	4,252.60	3/4	4,086.84	3/4	3,902.37	3/4	3,708.05	3/4	3,512.40	3/4	3,156.41	3/4	2,796.19	3/4	2,435.30	3/4	2,074.37
11		11	4,249.35	11	4,083.19	11	3,898.34	11	3,704.00	11	3,507.93	11	3,148.94	11	2,788.68	11	2,427.78	11	2,066.85
1/4		1/4	4,246.07	1/4	4,079.52	1/4	3,894.30	1/4	3,699.96	1/4	3,500.44	1/4	3,141.43	1/4	2,781.16	1/4	2,420.27	1/4	2,059.34
1/2		1/2	4,242.78	1/2	4,075.84	1/2	3,890.26	1/2	3,695.91	1/2	3,492.95	1/2	3,133.93	1/2	2,773.65	1/2	2,412.75	1/2	2,051.82
3/4		3/4	4,239.50	3/4	4,072.17	3/4	3,886.21	3/4	3,691.86	3/4	3,485.47	3/4	3,126.42	3/4	2,766.13	3/4	2,405.23	3/4	2,044.30

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "DBL 314"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	2,036.78	0	1,675.76	0	1,314.75	0	954.05	0	593.11	0	235.73	0		0		0		0	
1/4	2,029.26	1/4	1,668.24	1/4	1,307.23	1/4	946.54	1/4	585.59	1/4	228.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,021.74	1/2	1,660.72	1/2	1,299.70	1/2	939.03	1/2	578.07	1/2	220.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,014.22	3/4	1,653.20	3/4	1,292.18	3/4	931.51	3/4	570.55	3/4	213.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,006.70	1	1,645.68	1	1,284.66	1	924.00	1	563.03	1	206.24	1	1	1	1	1	1	1	1
1/4	1,999.18	1/4	1,638.16	1/4	1,277.14	1/4	916.49	1/4	555.50	1/4	198.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,991.65	1/2	1,630.64	1/2	1,269.62	1/2	908.97	1/2	547.98	1/2	191.46	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,984.13	3/4	1,623.12	3/4	1,262.10	3/4	901.46	3/4	540.46	3/4	184.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,976.61	2	1,615.59	2	1,254.58	2	893.94	2	532.94	2	176.68	2	2	2	2	2	2	2	2
1/4	1,969.09	1/4	1,608.07	1/4	1,247.06	1/4	886.42	1/4	525.42	1/4	169.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,961.57	1/2	1,600.55	1/2	1,239.54	1/2	878.90	1/2	517.90	1/2	161.67	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,954.05	3/4	1,593.03	3/4	1,232.01	3/4	871.38	3/4	510.38	3/4	154.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,946.53	3	1,585.51	3	1,224.49	3	863.86	3	502.86	3	146.66	3	3	3	3	3	3	3	3
1/4	1,939.01	1/4	1,577.99	1/4	1,216.98	1/4	856.34	1/4	495.34	1/4	139.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,931.48	1/2	1,570.47	1/2	1,209.46	1/2	848.82	1/2	487.82	1/2	131.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,923.96	3/4	1,562.95	3/4	1,201.94	3/4	841.30	3/4	480.30	3/4	124.14	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,916.44	4	1,555.42	4	1,194.42	4	833.78	4	472.77	4	116.64	4	4	4	4	4	4	4	4
1/4	1,908.92	1/4	1,547.90	1/4	1,186.91	1/4	826.26	1/4	465.25	1/4	109.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,901.40	1/2	1,540.38	1/2	1,179.40	1/2	818.74	1/2	457.73	1/2	101.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,893.88	3/4	1,532.86	3/4	1,171.89	3/4	811.21	3/4	450.21	3/4	94.35	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,886.36	5	1,525.34	5	1,164.38	5	803.69	5	442.69	5	86.92	5	5	5	5	5	5	5	5
1/4	1,878.84	1/4	1,517.82	1/4	1,156.87	1/4	796.17	1/4	435.19	1/4	80.20	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,871.32	1/2	1,510.30	1/2	1,149.35	1/2	788.65	1/2	427.69	1/2	73.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,863.79	3/4	1,502.78	3/4	1,141.84	3/4	781.13	3/4	420.18	3/4	66.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,856.27	6	1,495.26	6	1,134.33	6	773.61	6	412.68	6	60.04	6	6	6	6	6	6	6	6
1/4	1,848.75	1/4	1,487.73	1/4	1,126.82	1/4	766.09	1/4	405.31	1/4	54.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,841.23	1/2	1,480.21	1/2	1,119.31	1/2	758.57	1/2	397.94	1/2	49.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,833.71	3/4	1,472.69	3/4	1,111.80	3/4	751.05	3/4	390.56	3/4	43.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,826.19	7	1,465.17	7	1,104.28	7	743.53	7	383.19	7	38.16	7	7	7	7	7	7	7	7
1/4	1,818.67	1/4	1,457.65	1/4	1,096.77	1/4	736.01	1/4	375.82	1/4	33.95	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,811.15	1/2	1,450.13	1/2	1,089.26	1/2	728.49	1/2	368.45	1/2	29.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,803.62	3/4	1,442.61	3/4	1,081.75	3/4	720.96	3/4	361.07	3/4	25.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,796.10	8	1,435.09	8	1,074.24	8	713.44	8	353.70	8	21.30	8	8	8	8	8	8	8	8
1/4	1,788.58	1/4	1,427.56	1/4	1,066.73	1/4	705.92	1/4	346.33	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,781.06	1/2	1,420.04	1/2	1,059.21	1/2	698.40	1/2	338.95	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,773.54	3/4	1,412.52	3/4	1,051.70	3/4	690.88	3/4	331.58	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,766.02	9	1,405.00	9	1,044.19	9	683.36	9	324.21	9		9	9	9	9	9	9	9	9
1/4	1,758.50	1/4	1,397.48	1/4	1,036.68	1/4	675.84	1/4	316.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,750.98	1/2	1,389.96	1/2	1,029.17	1/2	668.32	1/2	309.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,743.45	3/4	1,382.44	3/4	1,021.66	3/4	660.80	3/4	302.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,735.93	10	1,374.92	10	1,014.14	10	653.28	10	294.72	10		10	10	10	10	10	10	10	10
1/4	1,728.41	1/4	1,367.39	1/4	1,006.63	1/4	645.76	1/4	287.34	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,720.89	1/2	1,359.87	1/2	999.12	1/2	638.23	1/2	279.97	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,713.37	3/4	1,352.35	3/4	991.61	3/4	630.71	3/4	272.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,705.85	11	1,344.83	11	984.10	11	623.19	11	265.22	11		11	11	11	11	11	11	11	11
1/4	1,698.33	1/4	1,337.31	1/4	976.59	1/4	615.67	1/4	257.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,690.81	1/2	1,329.79	1/2	969.07	1/2	608.15	1/2	250.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,683.29	3/4	1,322.27	3/4	961.56	3/4	600.63	3/4	243.11	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: 09/23/2019 SW JS  
CALCULATED: 09/25/2019 CL  
PRINTED: 09/27/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "DBL 314"

## 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	4,193.00	0	4,027.05	0	3,842.56	0	3,649.70	0	3,444.86	0	3,087.97	0	2,730.06	0	2,372.99
1/4		1/4	4,354.81	1/4	4,189.74	1/4	4,023.41	1/4	3,838.55	1/4	3,645.68	1/4	3,437.42	1/4	3,080.51	1/4	2,722.60	1/4	2,365.51
1/2		1/2	4,353.17	1/2	4,186.45	1/2	4,019.73	1/2	3,834.53	1/2	3,641.67	1/2	3,429.97	1/2	3,073.06	1/2	2,715.23	1/2	2,358.04
3/4		3/4	4,351.53	3/4	4,183.17	3/4	4,016.05	3/4	3,830.51	3/4	3,637.65	3/4	3,422.53	3/4	3,065.60	3/4	2,707.87	3/4	2,350.57
1		1	4,349.90	1	4,179.88	1	4,012.37	1	3,826.49	1	3,633.63	1	3,415.09	1	3,058.14	1	2,700.50	1	2,343.09
1/4		1/4	4,348.26	1/4	4,176.59	1/4	4,008.69	1/4	3,822.48	1/4	3,629.61	1/4	3,407.65	1/4	3,050.68	1/4	2,693.13	1/4	2,335.62
1/2		1/2	4,345.41	1/2	4,173.28	1/2	4,004.98	1/2	3,818.46	1/2	3,625.59	1/2	3,400.21	1/2	3,043.22	1/2	2,685.77	1/2	2,328.14
3/4		3/4	4,342.55	3/4	4,169.96	3/4	4,001.27	3/4	3,814.44	3/4	3,621.58	3/4	3,392.77	3/4	3,035.77	3/4	2,678.40	3/4	2,320.67
2		2	4,339.70	2	4,166.64	2	3,997.56	2	3,810.42	2	3,617.56	2	3,385.33	2	3,028.32	2	2,671.03	2	2,313.20
1/4		1/4	4,336.84	1/4	4,163.33	1/4	3,993.85	1/4	3,806.40	1/4	3,613.54	1/4	3,377.88	1/4	3,020.87	1/4	2,663.67	1/4	2,305.72
1/2		1/2	4,333.01	1/2	4,159.98	1/2	3,990.10	1/2	3,802.39	1/2	3,609.52	1/2	3,370.44	1/2	3,013.41	1/2	2,656.30	1/2	2,298.25
3/4		3/4	4,329.18	3/4	4,156.64	3/4	3,986.36	3/4	3,798.37	3/4	3,605.50	3/4	3,363.00	3/4	3,005.96	3/4	2,648.93	3/4	2,290.77
3		3	4,325.35	3	4,153.29	3	3,982.62	3	3,794.35	3	3,601.49	3	3,355.56	3	2,998.51	3	2,641.57	3	2,283.30
1/4		1/4	4,321.52	1/4	4,149.94	1/4	3,978.88	1/4	3,790.33	1/4	3,597.47	1/4	3,348.12	1/4	2,991.06	1/4	2,634.20	1/4	2,275.82
1/2		1/2	4,317.56	1/2	4,146.56	1/2	3,975.11	1/2	3,786.31	1/2	3,593.45	1/2	3,340.68	1/2	2,983.60	1/2	2,626.82	1/2	2,268.35
3/4		3/4	4,313.59	3/4	4,143.18	3/4	3,971.34	3/4	3,782.30	3/4	3,589.43	3/4	3,333.24	3/4	2,976.15	3/4	2,619.44	3/4	2,260.88
4		4	4,309.63	4	4,139.80	4	3,967.56	4	3,778.28	4	3,585.41	4	3,325.79	4	2,968.70	4	2,612.06	4	2,253.40
1/4		1/4	4,305.66	1/4	4,136.42	1/4	3,963.79	1/4	3,774.26	1/4	3,581.40	1/4	3,318.35	1/4	2,961.25	1/4	2,604.68	1/4	2,245.93
1/2		1/2	4,301.70	1/2	4,133.01	1/2	3,959.99	1/2	3,770.24	1/2	3,577.38	1/2	3,310.91	1/2	2,953.79	1/2	2,597.21	1/2	2,238.45
3/4		3/4	4,297.73	3/4	4,129.59	3/4	3,956.18	3/4	3,766.22	3/4	3,573.36	3/4	3,303.47	3/4	2,946.34	3/4	2,589.74	3/4	2,230.98
5		5	4,293.77	5	4,126.18	5	3,952.37	5	3,762.21	5	3,569.34	5	3,296.03	5	2,938.89	5	2,582.26	5	2,223.50
1/4		1/4	4,289.80	1/4	4,122.77	1/4	3,948.57	1/4	3,758.19	1/4	3,565.32	1/4	3,288.59	1/4	2,931.44	1/4	2,574.79	1/4	2,216.03
1/2		1/2	4,285.84	1/2	4,119.32	1/2	3,944.73	1/2	3,754.17	1/2	3,561.31	1/2	3,281.17	1/2	2,923.98	1/2	2,567.32	1/2	2,208.56
3/4		3/4	4,281.87	3/4	4,115.88	3/4	3,940.89	3/4	3,750.15	3/4	3,557.29	3/4	3,273.74	3/4	2,916.53	3/4	2,559.84	3/4	2,201.08
6		6	4,277.91	6	4,112.44	6	3,937.05	6	3,746.13	6	3,553.27	6	3,266.32	6	2,909.08	6	2,552.37	6	2,193.61
1/4		1/4	4,273.94	1/4	4,108.99	1/4	3,933.21	1/4	3,742.12	1/4	3,549.25	1/4	3,258.89	1/4	2,901.63	1/4	2,544.90	1/4	2,186.13
1/2		1/2	4,269.98	1/2	4,105.52	1/2	3,929.34	1/2	3,738.10	1/2	3,545.23	1/2	3,251.46	1/2	2,894.17	1/2	2,537.42	1/2	2,178.66
3/4		3/4	4,266.01	3/4	4,102.04	3/4	3,925.48	3/4	3,734.08	3/4	3,541.22	3/4	3,244.04	3/4	2,886.72	3/4	2,529.95	3/4	2,171.19
7		7	4,262.05	7	4,098.57	7	3,921.61	7	3,730.06	7	3,537.20	7	3,236.61	7	2,879.27	7	2,522.47	7	2,163.71
1/4		1/4	4,258.08	1/4	4,095.09	1/4	3,917.74	1/4	3,726.04	1/4	3,533.18	1/4	3,229.19	1/4	2,871.81	1/4	2,515.00	1/4	2,156.24
1/2		1/2	4,254.17	1/2	4,091.57	1/2	3,913.84	1/2	3,722.03	1/2	3,529.16	1/2	3,221.76	1/2	2,864.35	1/2	2,507.52	1/2	2,148.76
3/4		3/4	4,250.25	3/4	4,088.05	3/4	3,909.94	3/4	3,718.01	3/4	3,525.14	3/4	3,214.33	3/4	2,856.89	3/4	2,500.05	3/4	2,141.29
8		8	4,246.34	8	4,084.53	8	3,906.04	8	3,713.99	8	3,521.13	8	3,206.91	8	2,849.43	8	2,492.58	8	2,133.81
1/4		1/4	4,242.43	1/4	4,081.01	1/4	3,902.14	1/4	3,709.97	1/4	3,517.11	1/4	3,199.48	1/4	2,841.97	1/4	2,485.10	1/4	2,126.34
1/2		1/2	4,238.93	1/2	4,077.45	1/2	3,898.22	1/2	3,705.95	1/2	3,513.09	1/2	3,192.06	1/2	2,834.51	1/2	2,477.63	1/2	2,118.87
3/4		3/4	4,235.42	3/4	4,073.90	3/4	3,894.29	3/4	3,701.94	3/4	3,509.07	3/4	3,184.63	3/4	2,827.05	3/4	2,470.15	3/4	2,111.39
9		9	4,231.92	9	4,070.34	9	3,890.36	9	3,697.92	9	3,505.05	9	3,177.21	9	2,819.59	9	2,462.68	9	2,103.92
1/4		1/4	4,228.42	1/4	4,066.79	1/4	3,886.43	1/4	3,693.90	1/4	3,501.04	1/4	3,169.78	1/4	2,812.13	1/4	2,455.21	1/4	2,096.44
1/2		1/2	4,225.23	1/2	4,063.20	1/2	3,882.47	1/2	3,689.88	1/2	3,497.02	1/2	3,162.35	1/2	2,804.67	1/2	2,447.73	1/2	2,088.97
3/4		3/4	4,222.04	3/4	4,059.62	3/4	3,878.50	3/4	3,685.86	3/4	3,493.00	3/4	3,154.93	3/4	2,797.21	3/4	2,440.26	3/4	2,081.50
10		10	4,218.85	10	4,056.03	10	3,874.54	10	3,681.85	10	3,488.98	10	3,147.50	10	2,789.75	10	2,432.78	10	2,074.02
1/4		1/4	4,215.66	1/4	4,052.45	1/4	3,870.58	1/4	3,677.83	1/4	3,484.96	1/4	3,140.08	1/4	2,782.29	1/4	2,425.31	1/4	2,066.55
1/2		1/2	4,212.44	1/2	4,048.83	1/2	3,866.58	1/2	3,673.81	1/2	3,480.52	1/2	3,132.65	1/2	2,774.83	1/2	2,417.83	1/2	2,059.07
3/4		3/4	4,209.21	3/4	4,045.22	3/4	3,862.59	3/4	3,669.79	3/4	3,476.07	3/4	3,125.22	3/4	2,767.37	3/4	2,410.36	3/4	2,051.60
11		11	4,205.99	11	4,041.60	11	3,858.59	11	3,665.77	11	3,471.63	11	3,117.78	11	2,759.91	11	2,402.89	11	2,044.12
1/4		1/4	4,202.77	1/4	4,037.99	1/4	3,854.60	1/4	3,661.76	1/4	3,467.18	1/4	3,110.35	1/4	2,752.44	1/4	2,395.41	1/4	2,036.65
1/2		1/2	4,199.51	1/2	4,034.34	1/2	3,850.59	1/2	3,657.74	1/2	3,459.74	1/2	3,102.89	1/2	2,744.98	1/2	2,387.94	1/2	2,029.18
3/4		3/4	4,196.25	3/4	4,030.70	3/4	3,846.57	3/4	3,653.72	3/4	3,452.30	3/4	3,095.43	3/4	2,737.52	3/4	2,380.46	3/4	2,021.70

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

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# BARGE "DBL 314"

## 3 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	2,014.23	0	1,655.38	0	1,297.98	0	949.71	0	597.24	0	241.75	0		0		0		0	
1/4	2,006.75	1/4	1,647.91	1/4	1,290.57	1/4	942.57	1/4	589.76	1/4	234.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,999.28	1/2	1,640.43	1/2	1,283.15	1/2	935.42	1/2	582.28	1/2	227.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,991.80	3/4	1,632.95	3/4	1,275.74	3/4	928.28	3/4	574.80	3/4	219.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,984.33	1	1,625.48	1	1,268.33	1	921.14	1	567.32	1	212.43	1	1	1	1	1	1	1	1
1/4	1,976.85	1/4	1,618.00	1/4	1,260.91	1/4	914.00	1/4	559.85	1/4	205.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,969.37	1/2	1,610.53	1/2	1,253.50	1/2	906.85	1/2	552.37	1/2	197.75	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,961.90	3/4	1,603.05	3/4	1,246.09	3/4	899.71	3/4	544.89	3/4	190.41	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,954.42	2	1,595.57	2	1,238.67	2	892.56	2	537.41	2	183.06	2	2	2	2	2	2	2	2
1/4	1,946.95	1/4	1,588.10	1/4	1,231.26	1/4	885.41	1/4	529.93	1/4	175.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,939.47	1/2	1,580.62	1/2	1,223.86	1/2	878.25	1/2	522.46	1/2	168.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,931.99	3/4	1,573.15	3/4	1,216.47	3/4	871.08	3/4	514.98	3/4	160.78	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,924.52	3	1,565.67	3	1,209.07	3	863.91	3	507.50	3	153.32	3	3	3	3	3	3	3	3
1/4	1,917.04	1/4	1,558.19	1/4	1,201.67	1/4	856.74	1/4	500.02	1/4	145.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,909.57	1/2	1,550.72	1/2	1,194.27	1/2	849.57	1/2	492.54	1/2	138.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,902.09	3/4	1,543.24	3/4	1,186.87	3/4	842.40	3/4	485.07	3/4	130.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,894.61	4	1,535.77	4	1,179.47	4	835.23	4	477.59	4	123.45	4	4	4	4	4	4	4	4
1/4	1,887.14	1/4	1,528.29	1/4	1,172.08	1/4	828.06	1/4	470.11	1/4	115.98	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,879.66	1/2	1,520.81	1/2	1,164.69	1/2	820.83	1/2	462.63	1/2	108.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,872.19	3/4	1,513.34	3/4	1,157.30	3/4	813.60	3/4	455.15	3/4	101.21	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,864.71	5	1,505.86	5	1,149.91	5	806.37	5	447.68	5	93.83	5	5	5	5	5	5	5	5
1/4	1,857.23	1/4	1,498.39	1/4	1,142.52	1/4	799.14	1/4	440.20	1/4	86.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,849.76	1/2	1,490.92	1/2	1,135.38	1/2	791.66	1/2	432.74	1/2	79.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,842.28	3/4	1,483.45	3/4	1,128.24	3/4	784.19	3/4	425.28	3/4	73.10	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,834.81	6	1,475.98	6	1,121.10	6	776.71	6	417.82	6	66.42	6	6	6	6	6	6	6	6
1/4	1,827.33	1/4	1,468.51	1/4	1,113.95	1/4	769.23	1/4	410.36	1/4	59.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,819.85	1/2	1,461.10	1/2	1,106.81	1/2	761.75	1/2	403.03	1/2	54.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,812.38	3/4	1,453.68	3/4	1,099.67	3/4	754.27	3/4	395.70	3/4	48.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,804.90	7	1,446.27	7	1,092.53	7	746.80	7	388.37	7	43.44	7	7	7	7	7	7	7	7
1/4	1,797.43	1/4	1,438.85	1/4	1,085.39	1/4	739.32	1/4	381.04	1/4	38.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,789.95	1/2	1,431.44	1/2	1,078.25	1/2	731.84	1/2	373.71	1/2	33.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,782.47	3/4	1,424.03	3/4	1,071.11	3/4	724.36	3/4	366.38	3/4	29.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,775.00	8	1,416.61	8	1,063.97	8	716.88	8	359.05	8	25.41	8	8	8	8	8	8	8	8
1/4	1,767.52	1/4	1,409.20	1/4	1,056.83	1/4	709.41	1/4	351.72	1/4	21.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,760.05	1/2	1,401.78	1/2	1,049.68	1/2	701.93	1/2	344.38	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,752.57	3/4	1,394.37	3/4	1,042.54	3/4	694.45	3/4	337.05	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,745.09	9	1,386.95	9	1,035.40	9	686.97	9	329.72	9		9	9	9	9	9	9	9	9
1/4	1,737.62	1/4	1,379.54	1/4	1,028.26	1/4	679.49	1/4	322.39	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,730.14	1/2	1,372.13	1/2	1,021.12	1/2	672.02	1/2	315.06	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,722.67	3/4	1,364.71	3/4	1,013.98	3/4	664.54	3/4	307.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,715.19	10	1,357.30	10	1,006.84	10	657.06	10	300.40	10		10	10	10	10	10	10	10	10
1/4	1,707.71	1/4	1,349.88	1/4	999.70	1/4	649.58	1/4	293.07	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,700.24	1/2	1,342.47	1/2	992.55	1/2	642.10	1/2	285.74	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,692.76	3/4	1,335.05	3/4	985.41	3/4	634.63	3/4	278.41	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,685.29	11	1,327.64	11	978.27	11	627.15	11	271.08	11		11	11	11	11	11	11	11	11
1/4	1,677.81	1/4	1,320.23	1/4	971.13	1/4	619.67	1/4	263.75	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,670.33	1/2	1,312.81	1/2	963.99	1/2	612.19	1/2	256.42	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,662.86	3/4	1,305.40	3/4	956.85	3/4	604.71	3/4	249.09	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: 09/23/2019 SW JS  
CALCULATED: 09/25/2019 CL  
PRINTED: 09/27/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2019

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