



BARGE "DBL 312"

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

(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 2 PORT IS - 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 213'-04"

June 24, 2019

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

<http://www.pmacorp.net>



BARGE "DBL 312"

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

Table with columns for height (0 FT. to 9 FT.) and rows for gauge height (0 to 1 1/2 ft. increments). Each cell contains capacity values in barrels of 42 U.S. gallons.

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 29'-00" FORWARD OF AFT BULKHEAD.

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BARGE "DBL 312"

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	1,905.05	0	1,569.33	0	1,233.60	0	904.70	0	573.53	0	237.82	0		0		0		0	
1/4	1,898.06	1/4	1,562.33	1/4	1,226.61	1/4	897.99	1/4	566.53	1/4	230.82	1/4		1/4		1/4		1/4	
1/2	1,891.07	1/2	1,555.34	1/2	1,219.61	1/2	891.28	1/2	559.54	1/2	223.83	1/2		1/2		1/2		1/2	
3/4	1,884.07	3/4	1,548.35	3/4	1,212.62	3/4	884.57	3/4	552.55	3/4	216.83	3/4		3/4		3/4		3/4	
1	1,877.08	1	1,541.35	1	1,205.62	1	877.86	1	545.55	1	209.84	1		1		1		1	
1/4	1,870.08	1/4	1,534.36	1/4	1,198.63	1/4	871.15	1/4	538.56	1/4	202.85	1/4		1/4		1/4		1/4	
1/2	1,863.09	1/2	1,527.36	1/2	1,191.64	1/2	864.44	1/2	531.56	1/2	195.85	1/2		1/2		1/2		1/2	
3/4	1,856.09	3/4	1,520.37	3/4	1,184.64	3/4	857.73	3/4	524.57	3/4	188.86	3/4		3/4		3/4		3/4	
2	1,849.10	2	1,513.37	2	1,177.65	2	851.02	2	517.58	2	181.86	2		2		2		2	
1/4	1,842.11	1/4	1,506.38	1/4	1,170.65	1/4	844.31	1/4	510.58	1/4	174.87	1/4		1/4		1/4		1/4	
1/2	1,835.11	1/2	1,499.39	1/2	1,163.66	1/2	837.60	1/2	503.59	1/2	167.88	1/2		1/2		1/2		1/2	
3/4	1,828.12	3/4	1,492.39	3/4	1,156.66	3/4	830.89	3/4	496.59	3/4	160.89	3/4		3/4		3/4		3/4	
3	1,821.12	3	1,485.40	3	1,149.67	3	824.18	3	489.60	3	153.90	3		3		3		3	
1/4	1,814.13	1/4	1,478.40	1/4	1,142.68	1/4	817.47	1/4	482.61	1/4	146.91	1/4		1/4		1/4		1/4	
1/2	1,807.13	1/2	1,471.41	1/2	1,135.68	1/2	810.76	1/2	475.61	1/2	139.92	1/2		1/2		1/2		1/2	
3/4	1,800.14	3/4	1,464.41	3/4	1,128.69	3/4	803.91	3/4	468.62	3/4	132.94	3/4		3/4		3/4		3/4	
4	1,793.15	4	1,457.42	4	1,121.69	4	797.05	4	461.62	4	125.96	4		4		4		4	
1/4	1,786.15	1/4	1,450.43	1/4	1,114.70	1/4	790.20	1/4	454.63	1/4	118.98	1/4		1/4		1/4		1/4	
1/2	1,779.16	1/2	1,443.43	1/2	1,107.70	1/2	783.35	1/2	447.64	1/2	112.00	1/2		1/2		1/2		1/2	
3/4	1,772.16	3/4	1,436.44	3/4	1,100.71	3/4	776.35	3/4	440.64	3/4	105.04	3/4		3/4		3/4		3/4	
5	1,765.17	5	1,429.44	5	1,093.72	5	769.36	5	433.65	5	98.08	5		5		5		5	
1/4	1,758.17	1/4	1,422.45	1/4	1,086.72	1/4	762.37	1/4	426.65	1/4	91.12	1/4		1/4		1/4		1/4	
1/2	1,751.18	1/2	1,415.45	1/2	1,079.73	1/2	755.37	1/2	419.66	1/2	84.16	1/2		1/2		1/2		1/2	
3/4	1,744.19	3/4	1,408.46	3/4	1,072.88	3/4	748.38	3/4	412.67	3/4	77.54	3/4		3/4		3/4		3/4	
6	1,737.19	6	1,401.46	6	1,066.02	6	741.38	6	405.67	6	70.93	6		6		6		6	
1/4	1,730.20	1/4	1,394.47	1/4	1,059.17	1/4	734.39	1/4	398.68	1/4	64.31	1/4		1/4		1/4		1/4	
1/2	1,723.20	1/2	1,387.48	1/2	1,052.32	1/2	727.40	1/2	391.68	1/2	57.69	1/2		1/2		1/2		1/2	
3/4	1,716.21	3/4	1,380.48	3/4	1,045.61	3/4	720.40	3/4	384.69	3/4	52.10	3/4		3/4		3/4		3/4	
7	1,709.21	7	1,373.49	7	1,038.90	7	713.41	7	377.70	7	46.50	7		7		7		7	
1/4	1,702.22	1/4	1,366.49	1/4	1,032.19	1/4	706.41	1/4	370.70	1/4	40.91	1/4		1/4		1/4		1/4	
1/2	1,695.23	1/2	1,359.50	1/2	1,025.48	1/2	699.42	1/2	363.71	1/2	35.32	1/2		1/2		1/2		1/2	
3/4	1,688.23	3/4	1,352.50	3/4	1,018.77	3/4	692.43	3/4	356.71	3/4	31.12	3/4		3/4		3/4		3/4	
8	1,681.24	8	1,345.51	8	1,012.06	8	685.43	8	349.72	8	26.93	8		8		8		8	
1/4	1,674.24	1/4	1,338.52	1/4	1,005.35	1/4	678.44	1/4	342.73	1/4	22.73	1/4		1/4		1/4		1/4	
1/2	1,667.25	1/2	1,331.52	1/2	998.64	1/2	671.44	1/2	335.73	1/2	18.54	1/2		1/2		1/2		1/2	
3/4	1,660.25	3/4	1,324.53	3/4	991.93	3/4	664.45	3/4	328.74	3/4		3/4		3/4		3/4		3/4	
9	1,653.26	9	1,317.53	9	985.22	9	657.46	9	321.74	9		9		9		9		9	
1/4	1,646.27	1/4	1,310.54	1/4	978.51	1/4	650.46	1/4	314.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,639.27	1/2	1,303.54	1/2	971.80	1/2	643.47	1/2	307.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,632.28	3/4	1,296.55	3/4	965.09	3/4	636.47	3/4	300.76	3/4		3/4		3/4		3/4		3/4	
10	1,625.28	10	1,289.56	10	958.38	10	629.48	10	293.77	10		10		10		10		10	
1/4	1,618.29	1/4	1,282.56	1/4	951.67	1/4	622.49	1/4	286.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,611.29	1/2	1,275.57	1/2	944.96	1/2	615.49	1/2	279.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,604.30	3/4	1,268.57	3/4	938.25	3/4	608.50	3/4	272.79	3/4		3/4		3/4		3/4		3/4	
11	1,597.31	11	1,261.58	11	931.54	11	601.50	11	265.79	11		11		11		11		11	
1/4	1,590.31	1/4	1,254.58	1/4	924.83	1/4	594.51	1/4	258.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,583.32	1/2	1,247.59	1/2	918.12	1/2	587.52	1/2	251.80	1/2		1/2		1/2		1/2		1/2	
3/4	1,576.32	3/4	1,240.60	3/4	911.41	3/4	580.52	3/4	244.81	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2019 JS/SW
CALCULATED: 07/1/2019 CL
PRINTED: 07/1/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

PRECISION MEASUREMENT
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BARGE "DBL 312"

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	4,149.18	0	3,996.42	0	3,817.63	0	3,624.16	0	3,428.06	0	3,220.62	0	2,887.98	0	2,554.60	0	2,220.46	
1/4	1/4	4,148.15	1/4	3,992.88	1/4	3,813.73	1/4	3,620.07	1/4	3,423.97	1/4	3,213.70	1/4	2,881.05	1/4	2,547.64	1/4	2,213.50	
1/2	1/2	4,147.12	1/2	3,989.33	1/2	3,809.83	1/2	3,615.99	1/2	3,419.88	1/2	3,206.78	1/2	2,874.11	1/2	2,540.68	1/2	2,206.54	
3/4	3/4	4,145.10	3/4	3,985.76	3/4	3,805.91	3/4	3,611.90	3/4	3,415.80	3/4	3,199.86	3/4	2,867.17	3/4	2,533.72	3/4	2,199.58	
1	1	4,143.07	1	3,982.19	1	3,801.98	1	3,607.82	1	3,411.71	1	3,192.95	1	2,860.23	1	2,526.76	1	2,192.62	
1/4	1/4	4,141.04	1/4	3,978.62	1/4	3,798.05	1/4	3,603.73	1/4	3,407.63	1/4	3,186.03	1/4	2,853.29	1/4	2,519.79	1/4	2,185.66	
1/2	1/2	4,139.02	1/2	3,975.05	1/2	3,794.13	1/2	3,599.65	1/2	3,403.54	1/2	3,179.11	1/2	2,846.36	1/2	2,512.83	1/2	2,178.70	
3/4	3/4	4,135.98	3/4	3,971.45	3/4	3,790.18	3/4	3,595.56	3/4	3,399.46	3/4	3,172.19	3/4	2,839.42	3/4	2,505.87	3/4	2,171.73	
2	2	4,132.94	2	3,967.85	2	3,786.22	2	3,591.48	2	3,395.37	2	3,165.27	2	2,832.48	2	2,498.91	2	2,164.77	
1/4	1/4	4,129.90	1/4	3,964.25	1/4	3,782.27	1/4	3,587.39	1/4	3,391.29	1/4	3,158.35	1/4	2,825.54	1/4	2,491.95	1/4	2,157.81	
1/2	1/2	4,126.87	1/2	3,960.65	1/2	3,778.32	1/2	3,583.30	1/2	3,387.20	1/2	3,151.43	1/2	2,818.60	1/2	2,484.99	1/2	2,150.85	
3/4	3/4	4,123.43	3/4	3,957.03	3/4	3,774.34	3/4	3,579.22	3/4	3,383.11	3/4	3,144.52	3/4	2,811.67	3/4	2,478.03	3/4	2,143.89	
3	3	4,120.00	3	3,953.41	3	3,770.36	3	3,575.13	3	3,379.03	3	3,137.60	3	2,804.73	3	2,471.07	3	2,136.93	
1/4	1/4	4,116.56	1/4	3,949.78	1/4	3,766.38	1/4	3,571.05	1/4	3,374.94	1/4	3,130.68	1/4	2,797.79	1/4	2,464.10	1/4	2,129.97	
1/2	1/2	4,113.12	1/2	3,946.16	1/2	3,762.40	1/2	3,566.96	1/2	3,370.86	1/2	3,123.76	1/2	2,790.85	1/2	2,457.14	1/2	2,123.01	
3/4	3/4	4,109.79	3/4	3,942.51	3/4	3,758.40	3/4	3,562.88	3/4	3,366.77	3/4	3,116.84	3/4	2,783.91	3/4	2,450.18	3/4	2,116.04	
4	4	4,106.46	4	3,938.86	4	3,754.39	4	3,558.79	4	3,362.69	4	3,109.92	4	2,776.98	4	2,443.22	4	2,109.08	
1/4	1/4	4,103.13	1/4	3,935.21	1/4	3,750.39	1/4	3,554.71	1/4	3,358.60	1/4	3,103.01	1/4	2,770.04	1/4	2,436.26	1/4	2,102.12	
1/2	1/2	4,099.80	1/2	3,931.56	1/2	3,746.38	1/2	3,550.62	1/2	3,354.52	1/2	3,096.09	1/2	2,763.10	1/2	2,429.30	1/2	2,095.16	
3/4	3/4	4,096.44	3/4	3,927.86	3/4	3,742.35	3/4	3,546.53	3/4	3,350.43	3/4	3,089.16	3/4	2,756.16	3/4	2,422.34	3/4	2,088.20	
5	5	4,093.08	5	3,924.17	5	3,738.31	5	3,542.45	5	3,346.35	5	3,082.23	5	2,749.23	5	2,415.38	5	2,081.24	
1/4	1/4	4,089.72	1/4	3,920.47	1/4	3,734.28	1/4	3,538.36	1/4	3,342.26	1/4	3,075.30	1/4	2,742.29	1/4	2,408.41	1/4	2,074.28	
1/2	1/2	4,086.36	1/2	3,916.78	1/2	3,730.25	1/2	3,534.28	1/2	3,338.17	1/2	3,068.38	1/2	2,735.35	1/2	2,401.45	1/2	2,067.32	
3/4	3/4	4,082.97	3/4	3,913.04	3/4	3,726.19	3/4	3,530.19	3/4	3,334.09	3/4	3,061.44	3/4	2,728.41	3/4	2,394.49	3/4	2,060.35	
6	6	4,079.59	6	3,909.30	6	3,722.13	6	3,526.11	6	3,330.00	6	3,054.50	6	2,721.48	6	2,387.53	6	2,053.39	
1/4	1/4	4,076.20	1/4	3,905.56	1/4	3,718.07	1/4	3,522.02	1/4	3,325.92	1/4	3,047.56	1/4	2,714.54	1/4	2,380.57	1/4	2,046.43	
1/2	1/2	4,072.82	1/2	3,901.82	1/2	3,714.01	1/2	3,517.94	1/2	3,321.83	1/2	3,040.62	1/2	2,707.60	1/2	2,373.61	1/2	2,039.47	
3/4	3/4	4,069.41	3/4	3,898.05	3/4	3,709.94	3/4	3,513.85	3/4	3,317.75	3/4	3,033.68	3/4	2,700.66	3/4	2,366.65	3/4	2,032.51	
7	7	4,065.99	7	3,894.29	7	3,705.86	7	3,509.77	7	3,313.66	7	3,026.75	7	2,693.73	7	2,359.69	7	2,025.55	
1/4	1/4	4,062.58	1/4	3,890.52	1/4	3,701.78	1/4	3,505.68	1/4	3,309.58	1/4	3,019.81	1/4	2,686.79	1/4	2,352.73	1/4	2,018.59	
1/2	1/2	4,059.17	1/2	3,886.75	1/2	3,697.70	1/2	3,501.59	1/2	3,305.49	1/2	3,012.87	1/2	2,679.85	1/2	2,345.76	1/2	2,011.63	
3/4	3/4	4,055.73	3/4	3,882.96	3/4	3,693.61	3/4	3,497.51	3/4	3,301.40	3/4	3,005.93	3/4	2,672.90	3/4	2,338.80	3/4	2,004.67	
8	8	4,052.29	8	3,879.17	8	3,689.53	8	3,493.42	8	3,297.32	8	2,998.99	8	2,665.96	8	2,331.84	8	1,997.72	
1/4	1/4	4,048.85	1/4	3,875.38	1/4	3,685.44	1/4	3,489.34	1/4	3,293.23	1/4	2,992.06	1/4	2,659.01	1/4	2,324.88	1/4	1,990.76	
1/2	1/2	4,045.41	1/2	3,871.58	1/2	3,681.36	1/2	3,485.25	1/2	3,289.15	1/2	2,985.12	1/2	2,652.06	1/2	2,317.92	1/2	1,983.81	
3/4	3/4	4,041.95	3/4	3,867.76	3/4	3,677.27	3/4	3,481.17	3/4	3,285.06	3/4	2,978.18	3/4	2,645.10	3/4	2,310.96	3/4	1,976.86	
9	9	4,038.48	9	3,863.94	9	3,673.19	9	3,477.08	9	3,280.98	9	2,971.24	9	2,638.13	9	2,304.00	9	1,969.91	
1/4	1/4	4,035.02	1/4	3,860.12	1/4	3,669.10	1/4	3,473.00	1/4	3,276.89	1/4	2,964.30	1/4	2,631.17	1/4	2,297.04	1/4	1,962.96	
1/2	1/2	4,031.55	1/2	3,856.30	1/2	3,665.01	1/2	3,468.91	1/2	3,272.81	1/2	2,957.37	1/2	2,624.21	1/2	2,290.07	1/2	1,956.01	
3/4	3/4	4,028.06	3/4	3,852.46	3/4	3,660.93	3/4	3,464.82	3/4	3,268.72	3/4	2,950.43	3/4	2,617.25	3/4	2,283.11	3/4	1,949.06	
10	10	4,024.57	10	3,848.61	10	3,656.84	10	3,460.74	10	3,264.64	10	2,943.49	10	2,610.29	10	2,276.15	10	1,942.11	
1/4	1/4	4,021.08	1/4	3,844.77	1/4	3,652.76	1/4	3,456.65	1/4	3,260.55	1/4	2,936.55	1/4	2,603.33	1/4	2,269.19	1/4	1,935.17	
1/2	1/2	4,017.59	1/2	3,840.92	1/2	3,648.67	1/2	3,452.57	1/2	3,256.46	1/2	2,929.61	1/2	2,596.37	1/2	2,262.23	1/2	1,928.22	
3/4	3/4	4,014.07	3/4	3,837.05	3/4	3,644.59	3/4	3,448.48	3/4	3,250.96	3/4	2,922.68	3/4	2,589.41	3/4	2,255.27	3/4	1,921.27	
11	11	4,010.55	11	3,833.17	11	3,640.50	11	3,444.40	11	3,245.46	11	2,915.74	11	2,582.44	11	2,248.31	11	1,914.32	
1/4	1/4	4,007.03	1/4	3,829.30	1/4	3,636.42	1/4	3,440.31	1/4	3,239.96	1/4	2,908.80	1/4	2,575.48	1/4	2,241.35	1/4	1,907.37	
1/2	1/2	4,003.51	1/2	3,825.43	1/2	3,632.33	1/2	3,436.23	1/2	3,234.46	1/2	2,901.86	1/2	2,568.52	1/2	2,234.38	1/2	1,900.42	
3/4	3/4	4,150.21	3/4	3,999.97	3/4	3,821.53	3/4	3,628.24	3/4	3,432.14	3/4	3,227.54	3/4	2,894.92	3/4	2,561.56	3/4	2,227.42	

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 29'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "DBL 312"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,886.52	0	1,552.98	0	1,219.43	0	897.18	0	571.16	0	236.93	0		0		0		0	
1/4	1,879.57	1/4	1,546.03	1/4	1,212.48	1/4	890.65	1/4	564.20	1/4	229.96	1/4		1/4		1/4		1/4	
1/2	1,872.63	1/2	1,539.08	1/2	1,205.53	1/2	884.12	1/2	557.24	1/2	223.00	1/2		1/2		1/2		1/2	
3/4	1,865.68	3/4	1,532.13	3/4	1,198.58	3/4	877.59	3/4	550.27	3/4	216.04	3/4		3/4		3/4		3/4	
1	1,858.73	1	1,525.18	1	1,191.63	1	871.06	1	543.31	1	209.07	1		1		1		1	
1/4	1,851.78	1/4	1,518.23	1/4	1,184.68	1/4	864.53	1/4	536.35	1/4	202.11	1/4		1/4		1/4		1/4	
1/2	1,844.83	1/2	1,511.28	1/2	1,177.74	1/2	858.00	1/2	529.38	1/2	195.15	1/2		1/2		1/2		1/2	
3/4	1,837.88	3/4	1,504.33	3/4	1,170.79	3/4	851.47	3/4	522.42	3/4	188.18	3/4		3/4		3/4		3/4	
2	1,830.93	2	1,497.39	2	1,163.84	2	844.95	2	515.46	2	181.22	2		2		2		2	
1/4	1,823.98	1/4	1,490.44	1/4	1,156.89	1/4	838.42	1/4	508.49	1/4	174.26	1/4		1/4		1/4		1/4	
1/2	1,817.03	1/2	1,483.49	1/2	1,149.94	1/2	831.89	1/2	501.53	1/2	167.30	1/2		1/2		1/2		1/2	
3/4	1,810.09	3/4	1,476.54	3/4	1,142.99	3/4	825.36	3/4	494.57	3/4	160.34	3/4		3/4		3/4		3/4	
3	1,803.14	3	1,469.59	3	1,136.04	3	818.83	3	487.61	3	153.38	3		3		3		3	
1/4	1,796.19	1/4	1,462.64	1/4	1,129.09	1/4	812.30	1/4	480.64	1/4	146.42	1/4		1/4		1/4		1/4	
1/2	1,789.24	1/2	1,455.69	1/2	1,122.14	1/2	805.77	1/2	473.68	1/2	139.46	1/2		1/2		1/2		1/2	
3/4	1,782.29	3/4	1,448.74	3/4	1,115.20	3/4	799.19	3/4	466.72	3/4	132.51	3/4		3/4		3/4		3/4	
4	1,775.34	4	1,441.79	4	1,108.25	4	792.60	4	459.75	4	125.56	4		4		4		4	
1/4	1,768.39	1/4	1,434.84	1/4	1,101.30	1/4	786.01	1/4	452.79	1/4	118.61	1/4		1/4		1/4		1/4	
1/2	1,761.44	1/2	1,427.90	1/2	1,094.35	1/2	779.42	1/2	445.83	1/2	111.66	1/2		1/2		1/2		1/2	
3/4	1,754.49	3/4	1,420.95	3/4	1,087.55	3/4	772.62	3/4	438.86	3/4	104.73	3/4		3/4		3/4		3/4	
5	1,747.55	5	1,414.00	5	1,080.75	5	765.82	5	431.90	5	97.79	5		5		5		5	
1/4	1,740.60	1/4	1,407.05	1/4	1,073.96	1/4	759.01	1/4	424.94	1/4	90.86	1/4		1/4		1/4		1/4	
1/2	1,733.65	1/2	1,400.10	1/2	1,067.16	1/2	752.21	1/2	417.97	1/2	83.93	1/2		1/2		1/2		1/2	
3/4	1,726.70	3/4	1,393.15	3/4	1,060.57	3/4	745.25	3/4	411.01	3/4	77.33	3/4		3/4		3/4		3/4	
6	1,719.75	6	1,386.20	6	1,053.98	6	738.28	6	404.05	6	70.73	6		6		6		6	
1/4	1,712.80	1/4	1,379.25	1/4	1,047.39	1/4	731.32	1/4	397.08	1/4	64.13	1/4		1/4		1/4		1/4	
1/2	1,705.85	1/2	1,372.30	1/2	1,040.81	1/2	724.36	1/2	390.12	1/2	57.53	1/2		1/2		1/2		1/2	
3/4	1,698.90	3/4	1,365.36	3/4	1,034.28	3/4	717.39	3/4	383.16	3/4	51.95	3/4		3/4		3/4		3/4	
7	1,691.95	7	1,358.41	7	1,027.75	7	710.43	7	376.19	7	46.37	7		7		7		7	
1/4	1,685.01	1/4	1,351.46	1/4	1,021.22	1/4	703.47	1/4	369.23	1/4	40.79	1/4		1/4		1/4		1/4	
1/2	1,678.06	1/2	1,344.51	1/2	1,014.69	1/2	696.50	1/2	362.27	1/2	35.22	1/2		1/2		1/2		1/2	
3/4	1,671.11	3/4	1,337.56	3/4	1,008.16	3/4	689.54	3/4	355.30	3/4	31.03	3/4		3/4		3/4		3/4	
8	1,664.16	8	1,330.61	8	1,001.63	8	682.58	8	348.34	8	26.85	8		8		8		8	
1/4	1,657.21	1/4	1,323.66	1/4	995.11	1/4	675.61	1/4	341.38	1/4	22.66	1/4		1/4		1/4		1/4	
1/2	1,650.26	1/2	1,316.71	1/2	988.58	1/2	668.65	1/2	334.41	1/2	18.48	1/2		1/2		1/2		1/2	
3/4	1,643.31	3/4	1,309.76	3/4	982.05	3/4	661.69	3/4	327.45	3/4		3/4		3/4		3/4		3/4	
9	1,636.36	9	1,302.82	9	975.52	9	654.72	9	320.49	9		9		9		9		9	
1/4	1,629.41	1/4	1,295.87	1/4	968.99	1/4	647.76	1/4	313.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,622.47	1/2	1,288.92	1/2	962.46	1/2	640.80	1/2	306.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,615.52	3/4	1,281.97	3/4	955.93	3/4	633.83	3/4	299.60	3/4		3/4		3/4		3/4		3/4	
10	1,608.57	10	1,275.02	10	949.40	10	626.87	10	292.63	10		10		10		10		10	
1/4	1,601.62	1/4	1,268.07	1/4	942.88	1/4	619.91	1/4	285.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,594.67	1/2	1,261.12	1/2	936.35	1/2	612.94	1/2	278.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,587.72	3/4	1,254.17	3/4	929.82	3/4	605.98	3/4	271.74	3/4		3/4		3/4		3/4		3/4	
11	1,580.77	11	1,247.22	11	923.29	11	599.02	11	264.78	11		11		11		11		11	
1/4	1,573.82	1/4	1,240.28	1/4	916.76	1/4	592.05	1/4	257.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,566.87	1/2	1,233.33	1/2	910.23	1/2	585.09	1/2	250.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,559.93	3/4	1,226.38	3/4	903.70	3/4	578.13	3/4	243.89	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2019 JS/SW
CALCULATED: 07/1/2019 CL
PRINTED: 07/1/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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



BARGE "DBL 312"

2 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	4,038.85	0	3,799.65	0	3,536.50	0	3,260.78	0	2,982.72	0	2,704.64	0	2,426.57	0	2,148.50	0	1,870.43
1/4	1/4	4,035.63	1/4	3,794.32	1/4	3,530.86	1/4	3,254.99	1/4	2,976.92	1/4	2,698.85	1/4	2,420.78	1/4	2,142.71	1/4	1,864.64	
1/2	1/2	4,032.42	1/2	3,788.99	1/2	3,525.22	1/2	3,249.19	1/2	2,971.12	1/2	2,693.05	1/2	2,414.99	1/2	2,136.92	1/2	1,858.85	
3/4	3/4	4,029.20	3/4	3,783.65	3/4	3,519.58	3/4	3,243.40	3/4	2,965.33	3/4	2,687.26	3/4	2,409.19	3/4	2,131.12	3/4	1,853.06	
1	1	4,025.16	1	3,778.30	1	3,513.92	1	3,237.61	1	2,959.54	1	2,681.47	1	2,403.40	1	2,125.33	1	1,847.26	
1/4	1/4	4,021.11	1/4	3,772.94	1/4	3,508.26	1/4	3,231.81	1/4	2,953.74	1/4	2,675.68	1/4	2,397.61	1/4	2,119.54	1/4	1,841.47	
1/2	1/2	4,017.07	1/2	3,767.59	1/2	3,502.60	1/2	3,226.02	1/2	2,947.95	1/2	2,669.88	1/2	2,391.81	1/2	2,113.74	1/2	1,835.68	
3/4	3/4	4,013.02	3/4	3,762.23	3/4	3,496.94	3/4	3,220.23	3/4	2,942.16	3/4	2,664.09	3/4	2,386.02	3/4	2,107.95	3/4	1,829.88	
2	2	4,008.13	2	3,756.86	2	3,491.26	2	3,214.43	2	2,936.37	2	2,658.30	2	2,380.23	2	2,102.16	2	1,824.09	
1/4	1/4	4,003.23	1/4	3,751.48	1/4	3,485.57	1/4	3,208.64	1/4	2,930.57	1/4	2,652.50	1/4	2,374.43	1/4	2,096.37	1/4	1,818.30	
1/2	1/2	3,998.33	1/2	3,746.11	1/2	3,479.89	1/2	3,202.85	1/2	2,924.78	1/2	2,646.71	1/2	2,368.64	1/2	2,090.57	1/2	1,812.50	
3/4	3/4	3,993.43	3/4	3,740.73	3/4	3,474.21	3/4	3,197.05	3/4	2,918.99	3/4	2,640.92	3/4	2,362.85	3/4	2,084.78	3/4	1,806.71	
3	3	3,988.19	3	3,735.33	3	3,468.50	3	3,191.26	3	2,913.19	3	2,635.12	3	2,357.06	3	2,078.99	3	1,800.92	
1/4	1/4	3,982.94	1/4	3,729.94	1/4	3,462.80	1/4	3,185.47	1/4	2,907.40	1/4	2,629.33	1/4	2,351.26	1/4	2,073.19	1/4	1,795.12	
1/2	1/2	3,977.70	1/2	3,724.54	1/2	3,457.09	1/2	3,179.68	1/2	2,901.61	1/2	2,623.54	1/2	2,345.47	1/2	2,067.40	1/2	1,789.33	
3/4	3/4	3,972.46	3/4	3,719.14	3/4	3,451.39	3/4	3,173.88	3/4	2,895.81	3/4	2,617.74	3/4	2,339.68	3/4	2,061.61	3/4	1,783.54	
4	4	3,967.30	4	3,713.72	4	3,445.66	4	3,168.09	4	2,890.02	4	2,611.95	4	2,333.88	4	2,055.81	4	1,777.75	
1/4	1/4	3,962.15	1/4	3,708.30	1/4	3,439.93	1/4	3,162.30	1/4	2,884.23	1/4	2,606.16	1/4	2,328.09	1/4	2,050.02	1/4	1,771.95	
1/2	1/2	3,956.99	1/2	3,702.88	1/2	3,434.21	1/2	3,156.50	1/2	2,878.43	1/2	2,600.37	1/2	2,322.30	1/2	2,044.23	1/2	1,766.16	
3/4	3/4	3,951.83	3/4	3,697.46	3/4	3,428.48	3/4	3,150.71	3/4	2,872.64	3/4	2,594.57	3/4	2,316.50	3/4	2,038.43	3/4	1,760.37	
5	5	3,946.65	5	3,692.00	5	3,422.73	5	3,144.92	5	2,866.85	5	2,588.78	5	2,310.71	5	2,032.64	5	1,754.57	
1/4	1/4	3,941.48	1/4	3,686.54	1/4	3,416.98	1/4	3,139.12	1/4	2,861.05	1/4	2,582.99	1/4	2,304.92	1/4	2,026.85	1/4	1,748.78	
1/2	1/2	3,936.30	1/2	3,681.08	1/2	3,411.23	1/2	3,133.33	1/2	2,855.26	1/2	2,577.19	1/2	2,299.12	1/2	2,021.06	1/2	1,742.99	
3/4	3/4	3,931.12	3/4	3,675.61	3/4	3,405.49	3/4	3,127.54	3/4	2,849.47	3/4	2,571.40	3/4	2,293.33	3/4	2,015.26	3/4	1,737.19	
6	6	3,925.92	6	3,670.11	6	3,399.71	6	3,121.74	6	2,843.68	6	2,565.61	6	2,287.54	6	2,009.47	6	1,731.40	
1/4	1/4	3,920.72	1/4	3,664.60	1/4	3,393.94	1/4	3,115.95	1/4	2,837.88	1/4	2,559.81	1/4	2,281.74	1/4	2,003.68	1/4	1,725.61	
1/2	1/2	3,915.52	1/2	3,659.09	1/2	3,388.17	1/2	3,110.16	1/2	2,832.09	1/2	2,554.02	1/2	2,275.95	1/2	1,997.88	1/2	1,719.81	
3/4	3/4	3,910.32	3/4	3,653.59	3/4	3,382.40	3/4	3,104.37	3/4	2,826.30	3/4	2,548.23	3/4	2,270.16	3/4	1,992.09	3/4	1,714.02	
7	7	3,905.09	7	3,648.06	7	3,376.62	7	3,098.57	7	2,820.50	7	2,542.43	7	2,264.37	7	1,986.30	7	1,708.23	
1/4	1/4	3,899.87	1/4	3,642.53	1/4	3,370.83	1/4	3,092.78	1/4	2,814.71	1/4	2,536.64	1/4	2,258.57	1/4	1,980.50	1/4	1,702.43	
1/2	1/2	3,894.65	1/2	3,637.00	1/2	3,365.05	1/2	3,086.99	1/2	2,808.92	1/2	2,530.85	1/2	2,252.78	1/2	1,974.71	1/2	1,696.64	
3/4	3/4	3,889.43	3/4	3,631.47	3/4	3,359.26	3/4	3,081.19	3/4	2,803.12	3/4	2,525.06	3/4	2,246.99	3/4	1,968.92	3/4	1,690.85	
8	8	3,884.18	8	3,625.92	8	3,353.47	8	3,075.40	8	2,797.33	8	2,519.26	8	2,241.19	8	1,963.12	8	1,685.06	
1/4	1/4	3,878.94	1/4	3,620.37	1/4	3,347.68	1/4	3,069.61	1/4	2,791.54	1/4	2,513.47	1/4	2,235.40	1/4	1,957.33	1/4	1,679.26	
1/2	1/2	3,873.69	1/2	3,614.82	1/2	3,341.88	1/2	3,063.81	1/2	2,785.74	1/2	2,507.68	1/2	2,229.61	1/2	1,951.54	1/2	1,673.47	
3/4	3/4	3,868.45	3/4	3,609.27	3/4	3,336.09	3/4	3,058.02	3/4	2,779.95	3/4	2,501.88	3/4	2,223.81	3/4	1,945.75	3/4	1,667.68	
9	9	3,863.18	9	3,603.70	9	3,330.30	9	3,052.23	9	2,774.16	9	2,496.09	9	2,218.02	9	1,939.95	9	1,661.88	
1/4	1/4	3,857.92	1/4	3,598.13	1/4	3,324.50	1/4	3,046.43	1/4	2,768.37	1/4	2,490.30	1/4	2,212.23	1/4	1,934.16	1/4	1,656.09	
1/2	1/2	3,852.65	1/2	3,592.55	1/2	3,318.71	1/2	3,040.64	1/2	2,762.57	1/2	2,484.50	1/2	2,206.43	1/2	1,928.37	1/2	1,650.30	
3/4	3/4	3,847.38	3/4	3,586.98	3/4	3,312.92	3/4	3,034.85	3/4	2,756.78	3/4	2,478.71	3/4	2,200.64	3/4	1,922.57	3/4	1,644.50	
10	10	3,842.09	10	3,581.39	10	3,307.12	10	3,029.05	10	2,750.99	10	2,472.92	10	2,194.85	10	1,916.78	10	1,638.71	
1/4	1/4	3,836.80	1/4	3,575.79	1/4	3,301.33	1/4	3,023.26	1/4	2,745.19	1/4	2,467.12	1/4	2,189.06	1/4	1,910.99	1/4	1,632.92	
1/2	1/2	3,831.52	1/2	3,570.20	1/2	3,295.54	1/2	3,017.47	1/2	2,739.40	1/2	2,461.33	1/2	2,183.26	1/2	1,905.19	1/2	1,627.12	
3/4	3/4	3,826.23	3/4	3,564.60	3/4	3,289.74	3/4	3,011.68	3/4	2,733.61	3/4	2,455.54	3/4	2,177.47	3/4	1,899.40	3/4	1,621.33	
11	11	3,820.92	11	3,558.99	11	3,283.95	11	3,005.88	11	2,727.81	11	2,449.74	11	2,171.68	11	1,893.61	11	1,615.54	
1/4	1/4	3,815.61	1/4	3,553.37	1/4	3,278.16	1/4	3,000.09	1/4	2,722.02	1/4	2,443.95	1/4	2,165.88	1/4	1,887.81	1/4	1,609.75	
1/2	1/2	3,810.30	1/2	3,547.75	1/2	3,272.36	1/2	2,994.30	1/2	2,716.23	1/2	2,438.16	1/2	2,160.09	1/2	1,882.02	1/2	1,603.95	
3/4	3/4	3,804.98	3/4	3,542.14	3/4	3,266.57	3/4	2,988.50	3/4	2,710.43	3/4	2,432.37	3/4	2,154.30	3/4	1,876.23	3/4	1,598.16	

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 35'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "DBL 312"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,592.37	0	1,314.30	0	1,036.23	0	758.53	0	480.88	0	202.82	0		0					
1/4	1,586.57	1/4	1,308.50	1/4	1,030.44	1/4	752.76	1/4	475.08	1/4	197.03	1/4		1/4					
1/2	1,580.78	1/2	1,302.71	1/2	1,024.64	1/2	746.98	1/2	469.29	1/2	191.24	1/2		1/2					
3/4	1,574.99	3/4	1,296.92	3/4	1,018.85	3/4	741.21	3/4	463.50	3/4	185.44	3/4		3/4					
1	1,569.19	1	1,291.12	1	1,013.06	1	735.44	1	457.70	1	179.65	1		1					
1/4	1,563.40	1/4	1,285.33	1/4	1,007.26	1/4	729.66	1/4	451.91	1/4	173.86	1/4		1/4					
1/2	1,557.61	1/2	1,279.54	1/2	1,001.47	1/2	723.89	1/2	446.12	1/2	168.06	1/2		1/2					
3/4	1,551.81	3/4	1,273.75	3/4	995.68	3/4	718.11	3/4	440.33	3/4	162.27	3/4		3/4					
2	1,546.02	2	1,267.95	2	989.88	2	712.34	2	434.53	2	156.48	2		2					
1/4	1,540.23	1/4	1,262.16	1/4	984.09	1/4	706.57	1/4	428.74	1/4	150.69	1/4		1/4					
1/2	1,534.43	1/2	1,256.37	1/2	978.30	1/2	700.79	1/2	422.95	1/2	144.89	1/2		1/2					
3/4	1,528.64	3/4	1,250.57	3/4	972.50	3/4	695.02	3/4	417.15	3/4	139.10	3/4		3/4					
3	1,522.85	3	1,244.78	3	966.71	3	689.25	3	411.36	3	133.31	3		3					
1/4	1,517.06	1/4	1,238.99	1/4	960.92	1/4	683.47	1/4	405.57	1/4	127.52	1/4		1/4					
1/2	1,511.26	1/2	1,233.19	1/2	955.12	1/2	677.70	1/2	399.78	1/2	121.73	1/2		1/2					
3/4	1,505.47	3/4	1,227.40	3/4	949.33	3/4	671.92	3/4	393.98	3/4	115.94	3/4		3/4					
4	1,499.68	4	1,221.61	4	943.54	4	666.15	4	388.19	4	110.16	4		4					
1/4	1,493.88	1/4	1,215.81	1/4	937.75	1/4	660.38	1/4	382.40	1/4	104.38	1/4		1/4					
1/2	1,488.09	1/2	1,210.02	1/2	931.95	1/2	654.60	1/2	376.61	1/2	98.60	1/2		1/2					
3/4	1,482.30	3/4	1,204.23	3/4	926.16	3/4	648.83	3/4	370.81	3/4	92.82	3/4		3/4					
5	1,476.50	5	1,198.44	5	920.37	5	643.04	5	365.02	5	87.06	5		5					
1/4	1,470.71	1/4	1,192.64	1/4	914.57	1/4	637.26	1/4	359.23	1/4	81.29	1/4		1/4					
1/2	1,464.92	1/2	1,186.85	1/2	908.78	1/2	631.48	1/2	353.43	1/2	75.53	1/2		1/2					
3/4	1,459.12	3/4	1,181.06	3/4	902.99	3/4	625.70	3/4	347.64	3/4	69.77	3/4		3/4					
6	1,453.33	6	1,175.26	6	897.19	6	619.90	6	341.85	6	64.28	6		6					
1/4	1,447.54	1/4	1,169.47	1/4	891.40	1/4	614.11	1/4	336.06	1/4	58.80	1/4		1/4					
1/2	1,441.75	1/2	1,163.68	1/2	885.61	1/2	608.32	1/2	330.26	1/2	53.32	1/2		1/2					
3/4	1,435.95	3/4	1,157.88	3/4	879.82	3/4	602.52	3/4	324.47	3/4	47.84	3/4		3/4					
7	1,430.16	7	1,152.09	7	874.03	7	596.73	7	318.68	7	43.21	7		7					
1/4	1,424.37	1/4	1,146.30	1/4	868.25	1/4	590.94	1/4	312.88	1/4	38.58	1/4		1/4					
1/2	1,418.57	1/2	1,140.50	1/2	862.47	1/2	585.15	1/2	307.09	1/2	33.94	1/2		1/2					
3/4	1,412.78	3/4	1,134.71	3/4	856.69	3/4	579.35	3/4	301.30	3/4	29.31	3/4		3/4					
8	1,406.99	8	1,128.92	8	850.91	8	573.56	8	295.51	8	25.84	8		8					
1/4	1,401.19	1/4	1,123.12	1/4	845.14	1/4	567.77	1/4	289.71	1/4	22.36	1/4		1/4					
1/2	1,395.40	1/2	1,117.33	1/2	839.36	1/2	561.97	1/2	283.92	1/2	18.89	1/2		1/2					
3/4	1,389.61	3/4	1,111.54	3/4	833.59	3/4	556.18	3/4	278.13	3/4	15.41	3/4		3/4					
9	1,383.81	9	1,105.75	9	827.82	9	550.39	9	272.33	9		9		9					
1/4	1,378.02	1/4	1,099.95	1/4	822.04	1/4	544.60	1/4	266.54	1/4		1/4		1/4					
1/2	1,372.23	1/2	1,094.16	1/2	816.27	1/2	538.80	1/2	260.75	1/2		1/2		1/2					
3/4	1,366.44	3/4	1,088.37	3/4	810.50	3/4	533.01	3/4	254.96	3/4		3/4		3/4					
10	1,360.64	10	1,082.57	10	804.72	10	527.22	10	249.16	10		10		10					
1/4	1,354.85	1/4	1,076.78	1/4	798.95	1/4	521.43	1/4	243.37	1/4		1/4		1/4					
1/2	1,349.06	1/2	1,070.99	1/2	793.17	1/2	515.63	1/2	237.58	1/2		1/2		1/2					
3/4	1,343.26	3/4	1,065.19	3/4	787.40	3/4	509.84	3/4	231.79	3/4		3/4		3/4					
11	1,337.47	11	1,059.40	11	781.63	11	504.05	11	225.99	11		11		11					
1/4	1,331.68	1/4	1,053.61	1/4	775.85	1/4	498.25	1/4	220.20	1/4		1/4		1/4					
1/2	1,325.88	1/2	1,047.81	1/2	770.08	1/2	492.46	1/2	214.41	1/2		1/2		1/2					
3/4	1,320.09	3/4	1,042.02	3/4	764.31	3/4	486.67	3/4	208.61	3/4		3/4		3/4					

STRAPPED: 06/26/2019 JS/SW
CALCULATED: 07/1/2019 CL
PRINTED: 07/1/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "DBL 312"

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	4,033.57	0	3,792.13	0	3,528.53	0	3,252.53	0	2,974.33	0	2,696.13	0	2,417.93	0	2,139.73	0	1,861.54
1/4	1/4	4,030.35	1/4	3,786.79	1/4	3,522.89	1/4	3,246.73	1/4	2,968.53	1/4	2,690.34	1/4	2,412.14	1/4	2,133.94	1/4	1,855.74	
1/2	1/2	4,027.14	1/2	3,781.46	1/2	3,517.25	1/2	3,240.94	1/2	2,964.74	1/2	2,684.54	1/2	2,406.34	1/2	2,128.14	1/2	1,849.94	
3/4	3/4	4,023.09	3/4	3,776.10	3/4	3,511.59	3/4	3,235.14	3/4	2,956.94	3/4	2,678.74	3/4	2,400.55	3/4	2,122.35	3/4	1,844.15	
1	1	4,019.04	1	3,770.74	1	3,505.92	1	3,229.35	1	2,951.15	1	2,672.95	1	2,394.75	1	2,116.55	1	1,838.35	
1/4	1/4	4,015.00	1/4	3,765.39	1/4	3,500.26	1/4	3,223.55	1/4	2,945.35	1/4	2,667.15	1/4	2,388.95	1/4	2,110.76	1/4	1,832.56	
1/2	1/2	4,010.95	1/2	3,760.03	1/2	3,494.60	1/2	3,217.75	1/2	2,939.56	1/2	2,661.36	1/2	2,383.16	1/2	2,104.96	1/2	1,826.76	
3/4	3/4	4,006.05	3/4	3,754.65	3/4	3,488.91	3/4	3,211.96	3/4	2,933.76	3/4	2,655.56	3/4	2,377.36	3/4	2,099.16	3/4	1,820.97	
2	2	4,001.15	2	3,749.27	2	3,483.23	2	3,206.16	2	2,927.96	2	2,649.77	2	2,371.57	2	2,093.37	2	1,815.17	
1/4	1/4	3,996.25	1/4	3,743.89	1/4	3,477.54	1/4	3,200.37	1/4	2,922.17	1/4	2,643.97	1/4	2,365.77	1/4	2,087.57	1/4	1,809.37	
1/2	1/2	3,991.35	1/2	3,738.51	1/2	3,471.85	1/2	3,194.57	1/2	2,916.37	1/2	2,638.17	1/2	2,359.98	1/2	2,081.78	1/2	1,803.58	
3/4	3/4	3,986.11	3/4	3,733.11	3/4	3,466.15	3/4	3,188.77	3/4	2,910.58	3/4	2,632.38	3/4	2,354.18	3/4	2,075.98	3/4	1,797.78	
3	3	3,980.86	3	3,727.71	3	3,460.44	3	3,182.98	3	2,904.78	3	2,626.58	3	2,348.38	3	2,070.19	3	1,791.99	
1/4	1/4	3,975.62	1/4	3,722.31	1/4	3,454.73	1/4	3,177.18	1/4	2,898.98	1/4	2,620.79	1/4	2,342.59	1/4	2,064.39	1/4	1,786.19	
1/2	1/2	3,970.37	1/2	3,716.91	1/2	3,449.02	1/2	3,171.39	1/2	2,893.19	1/2	2,614.99	1/2	2,336.79	1/2	2,058.59	1/2	1,780.40	
3/4	3/4	3,965.21	3/4	3,711.49	3/4	3,443.29	3/4	3,165.59	3/4	2,887.39	3/4	2,609.19	3/4	2,331.00	3/4	2,052.80	3/4	1,774.60	
4	4	3,960.05	4	3,706.07	4	3,437.56	4	3,159.80	4	2,881.60	4	2,603.40	4	2,325.20	4	2,047.00	4	1,768.80	
1/4	1/4	3,954.89	1/4	3,700.65	1/4	3,431.83	1/4	3,154.00	1/4	2,875.80	1/4	2,597.60	1/4	2,319.40	1/4	2,041.21	1/4	1,763.01	
1/2	1/2	3,949.74	1/2	3,695.22	1/2	3,426.11	1/2	3,148.20	1/2	2,870.01	1/2	2,591.81	1/2	2,313.61	1/2	2,035.41	1/2	1,757.21	
3/4	3/4	3,944.55	3/4	3,689.76	3/4	3,420.35	3/4	3,142.41	3/4	2,864.21	3/4	2,586.01	3/4	2,307.81	3/4	2,029.61	3/4	1,751.42	
5	5	3,939.37	5	3,684.29	5	3,414.60	5	3,136.61	5	2,858.41	5	2,580.22	5	2,302.02	5	2,023.82	5	1,745.62	
1/4	1/4	3,934.19	1/4	3,678.83	1/4	3,408.85	1/4	3,130.82	1/4	2,852.62	1/4	2,574.42	1/4	2,296.22	1/4	2,018.02	1/4	1,739.82	
1/2	1/2	3,929.01	1/2	3,673.36	1/2	3,403.10	1/2	3,125.02	1/2	2,846.82	1/2	2,568.62	1/2	2,290.43	1/2	2,012.23	1/2	1,734.03	
3/4	3/4	3,923.81	3/4	3,667.85	3/4	3,397.32	3/4	3,119.22	3/4	2,841.03	3/4	2,562.83	3/4	2,284.63	3/4	2,006.43	3/4	1,728.23	
6	6	3,918.60	6	3,662.34	6	3,391.55	6	3,113.43	6	2,835.23	6	2,557.03	6	2,278.83	6	2,000.64	6	1,722.44	
1/4	1/4	3,913.40	1/4	3,656.83	1/4	3,385.78	1/4	3,107.63	1/4	2,829.43	1/4	2,551.24	1/4	2,273.04	1/4	1,994.84	1/4	1,716.64	
1/2	1/2	3,908.20	1/2	3,651.32	1/2	3,380.00	1/2	3,101.84	1/2	2,823.64	1/2	2,545.44	1/2	2,267.24	1/2	1,989.04	1/2	1,710.85	
3/4	3/4	3,902.97	3/4	3,645.79	3/4	3,374.22	3/4	3,096.04	3/4	2,817.84	3/4	2,539.64	3/4	2,261.45	3/4	1,983.25	3/4	1,705.05	
7	7	3,897.74	7	3,640.26	7	3,368.43	7	3,090.25	7	2,812.05	7	2,533.85	7	2,255.65	7	1,977.45	7	1,699.25	
1/4	1/4	3,892.52	1/4	3,634.73	1/4	3,362.64	1/4	3,084.45	1/4	2,806.25	1/4	2,528.05	1/4	2,249.85	1/4	1,971.66	1/4	1,693.46	
1/2	1/2	3,887.29	1/2	3,629.20	1/2	3,356.85	1/2	3,078.65	1/2	2,800.46	1/2	2,522.26	1/2	2,244.06	1/2	1,965.86	1/2	1,687.66	
3/4	3/4	3,882.05	3/4	3,623.65	3/4	3,351.06	3/4	3,072.86	3/4	2,794.66	3/4	2,516.46	3/4	2,238.26	3/4	1,960.06	3/4	1,681.87	
8	8	3,876.80	8	3,618.09	8	3,345.26	8	3,067.06	8	2,788.86	8	2,510.67	8	2,232.47	8	1,954.27	8	1,676.07	
1/4	1/4	3,871.55	1/4	3,612.54	1/4	3,339.47	1/4	3,061.27	1/4	2,783.07	1/4	2,504.87	1/4	2,226.67	1/4	1,948.47	1/4	1,670.27	
1/2	1/2	3,866.30	1/2	3,606.99	1/2	3,333.67	1/2	3,055.47	1/2	2,777.27	1/2	2,499.07	1/2	2,220.88	1/2	1,942.68	1/2	1,664.48	
3/4	3/4	3,861.03	3/4	3,601.41	3/4	3,327.87	3/4	3,049.68	3/4	2,771.48	3/4	2,493.28	3/4	2,215.08	3/4	1,936.88	3/4	1,658.68	
9	9	3,855.76	9	3,595.83	9	3,322.08	9	3,043.88	9	2,765.68	9	2,487.48	9	2,209.28	9	1,931.09	9	1,652.89	
1/4	1/4	3,850.49	1/4	3,590.26	1/4	3,316.28	1/4	3,038.08	1/4	2,759.89	1/4	2,481.69	1/4	2,203.49	1/4	1,925.29	1/4	1,647.09	
1/2	1/2	3,845.22	1/2	3,584.68	1/2	3,310.49	1/2	3,032.29	1/2	2,754.09	1/2	2,475.89	1/2	2,197.69	1/2	1,919.49	1/2	1,641.30	
3/4	3/4	3,839.93	3/4	3,579.09	3/4	3,304.69	3/4	3,026.49	3/4	2,748.29	3/4	2,470.10	3/4	2,191.90	3/4	1,913.70	3/4	1,635.50	
10	10	3,834.64	10	3,573.49	10	3,298.89	10	3,020.70	10	2,742.50	10	2,464.30	10	2,186.10	10	1,907.90	10	1,629.70	
1/4	1/4	3,829.35	1/4	3,567.89	1/4	3,293.10	1/4	3,014.90	1/4	2,736.70	1/4	2,458.50	1/4	2,180.31	1/4	1,902.11	1/4	1,623.91	
1/2	1/2	3,824.06	1/2	3,562.29	1/2	3,287.30	1/2	3,009.10	1/2	2,730.91	1/2	2,452.71	1/2	2,174.51	1/2	1,896.31	1/2	1,618.11	
3/4	3/4	3,818.74	3/4	3,556.68	3/4	3,281.51	3/4	3,003.31	3/4	2,725.11	3/4	2,446.91	3/4	2,168.71	3/4	1,890.52	3/4	1,612.32	
11	11	3,813.43	11	3,551.06	11	3,275.71	11	2,997.51	11	2,719.31	11	2,441.12	11	2,162.92	11	1,884.72	11	1,606.52	
1/4	1/4	3,808.12	1/4	3,545.44	1/4	3,269.92	1/4	2,991.72	1/4	2,713.52	1/4	2,435.32	1/4	2,157.12	1/4	1,878.92	1/4	1,600.73	
1/2	1/2	3,802.80	1/2	3,539.82	1/2	3,264.12	1/2	2,985.92	1/2	2,707.72	1/2	2,429.52	1/2	2,151.33	1/2	1,873.13	1/2	1,594.93	
3/4	3/4	4,036.79	3/4	3,797.47	3/4	3,534.18	3/4	3,258.32	3/4	2,980.13	3/4	2,701.93	3/4	2,423.73	3/4	2,145.53	3/4	1,589.13	

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 35'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "DBL 312"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,583.34	0	1,305.14	0	1,026.94	0	751.52	0	475.31	0	197.12	0		0					
1/4	1,577.54	1/4	1,299.34	1/4	1,021.15	1/4	745.83	1/4	469.51	1/4	191.33	1/4		1/4					0
1/2	1,571.75	1/2	1,293.55	1/2	1,015.35	1/2	740.13	1/2	463.72	1/2	185.53	1/2		1/2					1/2
3/4	1,565.95	3/4	1,287.75	3/4	1,009.55	3/4	734.44	3/4	457.92	3/4	179.74	3/4		3/4					3/4
1	1,560.15	1	1,281.96	1	1,003.76	1	728.74	1	452.13	1	173.94	1		1					1
1/4	1,554.36	1/4	1,276.16	1/4	997.96	1/4	723.05	1/4	446.33	1/4	168.15	1/4		1/4					1/4
1/2	1,548.56	1/2	1,270.36	1/2	992.17	1/2	717.35	1/2	440.54	1/2	162.35	1/2		1/2					1/2
3/4	1,542.77	3/4	1,264.57	3/4	986.37	3/4	711.66	3/4	434.74	3/4	156.56	3/4		3/4					3/4
2	1,536.97	2	1,258.77	2	980.57	2	705.96	2	428.94	2	150.76	2		2					2
1/4	1,531.18	1/4	1,252.98	1/4	974.78	1/4	700.27	1/4	423.15	1/4	144.97	1/4		1/4					1/4
1/2	1,525.38	1/2	1,247.18	1/2	968.98	1/2	694.58	1/2	417.35	1/2	139.17	1/2		1/2					1/2
3/4	1,519.58	3/4	1,241.39	3/4	963.19	3/4	688.88	3/4	411.56	3/4	133.38	3/4		3/4					3/4
3	1,513.79	3	1,235.59	3	957.39	3	683.19	3	405.76	3	127.59	3		3					3
1/4	1,507.99	1/4	1,229.79	1/4	951.60	1/4	677.49	1/4	399.97	1/4	121.79	1/4		1/4					1/4
1/2	1,502.20	1/2	1,224.00	1/2	945.80	1/2	671.80	1/2	394.17	1/2	116.00	1/2		1/2					1/2
3/4	1,496.40	3/4	1,218.20	3/4	940.00	3/4	666.10	3/4	388.38	3/4	110.22	3/4		3/4					3/4
4	1,490.61	4	1,212.41	4	934.21	4	660.40	4	382.58	4	104.43	4		4					4
1/4	1,484.81	1/4	1,206.61	1/4	928.41	1/4	654.69	1/4	376.78	1/4	98.65	1/4		1/4					1/4
1/2	1,479.01	1/2	1,200.82	1/2	922.62	1/2	648.99	1/2	370.99	1/2	92.87	1/2		1/2					1/2
3/4	1,473.22	3/4	1,195.02	3/4	916.82	3/4	643.24	3/4	365.19	3/4	87.10	3/4		3/4					3/4
5	1,467.42	5	1,189.22	5	911.11	5	637.49	5	359.40	5	81.33	5		5					5
1/4	1,461.63	1/4	1,183.43	1/4	905.36	1/4	631.74	1/4	353.60	1/4	75.57	1/4		1/4					1/4
1/2	1,455.83	1/2	1,177.63	1/2	899.61	1/2	625.99	1/2	347.81	1/2	69.80	1/2		1/2					1/2
3/4	1,450.03	3/4	1,171.84	3/4	893.91	3/4	620.20	3/4	342.01	3/4	64.32	3/4		3/4					3/4
6	1,444.24	6	1,166.04	6	888.21	6	614.40	6	336.22	6	58.83	6		6					6
1/4	1,438.44	1/4	1,160.24	1/4	882.51	1/4	608.60	1/4	330.42	1/4	53.35	1/4		1/4					1/4
1/2	1,432.65	1/2	1,154.45	1/2	876.81	1/2	602.81	1/2	324.63	1/2	47.87	1/2		1/2					1/2
3/4	1,426.85	3/4	1,148.65	3/4	871.11	3/4	597.01	3/4	318.83	3/4	43.23	3/4		3/4					3/4
7	1,421.06	7	1,142.86	7	865.42	7	591.22	7	313.03	7	38.60	7		7					7
1/4	1,415.26	1/4	1,137.06	1/4	859.72	1/4	585.42	1/4	307.24	1/4	33.96	1/4		1/4					1/4
1/2	1,409.46	1/2	1,131.27	1/2	854.03	1/2	579.63	1/2	301.44	1/2	29.33	1/2		1/2					1/2
3/4	1,403.67	3/4	1,125.47	3/4	848.33	3/4	573.83	3/4	295.65	3/4	25.85	3/4		3/4					3/4
8	1,397.87	8	1,119.67	8	842.64	8	568.04	8	289.85	8	22.38	8		8					8
1/4	1,392.08	1/4	1,113.88	1/4	836.94	1/4	562.24	1/4	284.06	1/4	18.90	1/4		1/4					1/4
1/2	1,386.28	1/2	1,108.08	1/2	831.25	1/2	556.45	1/2	278.26	1/2	15.42	1/2		1/2					1/2
3/4	1,380.48	3/4	1,102.29	3/4	825.55	3/4	550.65	3/4	272.47	3/4		3/4		3/4					3/4
9	1,374.69	9	1,096.49	9	819.86	9	544.85	9	266.67	9		9		9					9
1/4	1,368.89	1/4	1,090.69	1/4	814.16	1/4	539.06	1/4	260.87	1/4		1/4		1/4					1/4
1/2	1,363.10	1/2	1,084.90	1/2	808.47	1/2	533.26	1/2	255.08	1/2		1/2		1/2					1/2
3/4	1,357.30	3/4	1,079.10	3/4	802.77	3/4	527.47	3/4	249.28	3/4		3/4		3/4					3/4
10	1,351.51	10	1,073.31	10	797.08	10	521.67	10	243.49	10		10		10					10
1/4	1,345.71	1/4	1,067.51	1/4	791.39	1/4	515.88	1/4	237.69	1/4		1/4		1/4					1/4
1/2	1,339.91	1/2	1,061.72	1/2	785.69	1/2	510.08	1/2	231.90	1/2		1/2		1/2					1/2
3/4	1,334.12	3/4	1,055.92	3/4	780.00	3/4	504.29	3/4	226.10	3/4		3/4		3/4					3/4
11	1,328.32	11	1,050.12	11	774.30	11	498.49	11	220.31	11		11		11					11
1/4	1,322.53	1/4	1,044.33	1/4	768.61	1/4	492.69	1/4	214.51	1/4		1/4		1/4					1/4
1/2	1,316.73	1/2	1,038.53	1/2	762.91	1/2	486.90	1/2	208.72	1/2		1/2		1/2					1/2
3/4	1,310.94	3/4	1,032.74	3/4	757.22	3/4	481.10	3/4	202.92	3/4		3/4		3/4					3/4

STRAPPED: 06/26/2019 JS/SW
CALCULATED: 07/1/2019 CL
PRINTED: 07/1/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "DBL 312"

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	3,878.02	0	3,662.97	0	3,427.82	0	3,180.54	0	2,931.23	0	2,679.08	0	2,403.81	0	2,128.45	0	1,851.49
1/4		1/4	3,875.38	1/4	3,658.23	1/4	3,422.78	1/4	3,175.34	1/4	2,926.03	1/4	2,673.32	1/4	2,398.09	1/4	2,122.68	1/4	1,845.72
1/2		1/2	3,871.92	1/2	3,653.47	1/2	3,417.72	1/2	3,170.15	1/2	2,920.84	1/2	2,667.56	1/2	2,392.37	1/2	2,116.91	1/2	1,839.95
3/4		3/4	3,868.46	3/4	3,648.71	3/4	3,412.66	3/4	3,164.95	3/4	2,915.65	3/4	2,661.80	3/4	2,386.66	3/4	2,111.14	3/4	1,834.18
1		1	3,865.00	1	3,643.95	1	3,407.60	1	3,159.76	1	2,910.45	1	2,656.04	1	2,380.94	1	2,105.37	1	1,828.41
1/4		1/4	3,861.53	1/4	3,639.18	1/4	3,402.54	1/4	3,154.57	1/4	2,905.26	1/4	2,650.28	1/4	2,375.22	1/4	2,099.60	1/4	1,822.64
1/2		1/2	3,857.22	1/2	3,634.40	1/2	3,397.45	1/2	3,149.37	1/2	2,900.06	1/2	2,644.51	1/2	2,369.50	1/2	2,093.83	1/2	1,816.87
3/4		3/4	3,852.92	3/4	3,629.62	3/4	3,392.37	3/4	3,144.18	3/4	2,894.87	3/4	2,638.75	3/4	2,363.78	3/4	2,088.06	3/4	1,811.10
2		2	3,848.61	2	3,624.83	2	3,387.28	2	3,138.98	2	2,889.68	2	2,632.99	2	2,358.07	2	2,082.29	2	1,805.33
1/4		1/4	3,844.30	1/4	3,620.05	1/4	3,382.20	1/4	3,133.79	1/4	2,884.48	1/4	2,627.23	1/4	2,352.35	1/4	2,076.52	1/4	1,799.56
1/2		1/2	3,839.65	1/2	3,615.25	1/2	3,377.09	1/2	3,128.60	1/2	2,879.29	1/2	2,621.47	1/2	2,346.63	1/2	2,070.75	1/2	1,793.79
3/4		3/4	3,835.00	3/4	3,610.44	3/4	3,371.99	3/4	3,123.40	3/4	2,874.10	3/4	2,615.71	3/4	2,340.91	3/4	2,064.98	3/4	1,788.02
3		3	3,830.35	3	3,605.64	3	3,366.88	3	3,118.21	3	2,868.90	3	2,609.95	3	2,335.20	3	2,059.21	3	1,782.25
1/4		1/4	3,825.70	1/4	3,600.84	1/4	3,361.78	1/4	3,113.01	1/4	2,863.71	1/4	2,604.18	1/4	2,329.48	1/4	2,053.44	1/4	1,776.48
1/2		1/2	3,821.14	1/2	3,596.01	1/2	3,356.65	1/2	3,107.82	1/2	2,858.51	1/2	2,598.42	1/2	2,323.76	1/2	2,047.67	1/2	1,770.71
3/4		3/4	3,816.57	3/4	3,591.18	3/4	3,351.52	3/4	3,102.63	3/4	2,853.32	3/4	2,592.66	3/4	2,318.04	3/4	2,041.90	3/4	1,764.94
4		4	3,812.01	4	3,586.36	4	3,346.39	4	3,097.43	4	2,848.13	4	2,586.90	4	2,312.33	4	2,036.13	4	1,759.17
1/4		1/4	3,807.44	1/4	3,581.53	1/4	3,341.26	1/4	3,092.24	1/4	2,842.93	1/4	2,581.14	1/4	2,306.61	1/4	2,030.36	1/4	1,753.40
1/2		1/2	3,802.86	1/2	3,576.66	1/2	3,336.11	1/2	3,087.05	1/2	2,837.74	1/2	2,575.40	1/2	2,300.89	1/2	2,024.59	1/2	1,747.63
3/4		3/4	3,798.27	3/4	3,571.80	3/4	3,330.96	3/4	3,081.85	3/4	2,832.54	3/4	2,569.66	3/4	2,295.17	3/4	2,018.82	3/4	1,741.86
5		5	3,793.69	5	3,566.93	5	3,325.81	5	3,076.66	5	2,827.35	5	2,563.92	5	2,289.46	5	2,013.05	5	1,736.09
1/4		1/4	3,789.10	1/4	3,562.06	1/4	3,320.66	1/4	3,071.46	1/4	2,822.16	1/4	2,558.18	1/4	2,283.74	1/4	2,007.28	1/4	1,730.32
1/2		1/2	3,784.49	1/2	3,557.15	1/2	3,315.49	1/2	3,066.27	1/2	2,816.96	1/2	2,552.47	1/2	2,278.02	1/2	2,001.51	1/2	1,724.55
3/4		3/4	3,779.88	3/4	3,552.25	3/4	3,310.32	3/4	3,061.08	3/4	2,811.77	3/4	2,546.75	3/4	2,272.30	3/4	1,995.74	3/4	1,718.78
6		6	3,775.28	6	3,547.34	6	3,305.15	6	3,055.88	6	2,806.57	6	2,541.03	6	2,266.59	6	1,989.97	6	1,713.01
1/4		1/4	3,770.67	1/4	3,542.43	1/4	3,299.98	1/4	3,050.69	1/4	2,801.38	1/4	2,535.31	1/4	2,260.87	1/4	1,984.20	1/4	1,707.24
1/2		1/2	3,766.04	1/2	3,537.50	1/2	3,294.79	1/2	3,045.49	1/2	2,796.19	1/2	2,529.60	1/2	2,255.15	1/2	1,978.43	1/2	1,701.47
3/4		3/4	3,761.41	3/4	3,532.57	3/4	3,289.60	3/4	3,040.30	3/4	2,790.99	3/4	2,523.88	3/4	2,249.43	3/4	1,972.66	3/4	1,695.70
7		7	3,756.78	7	3,527.64	7	3,284.41	7	3,035.11	7	2,785.80	7	2,518.16	7	2,243.72	7	1,966.89	7	1,689.93
1/4		1/4	3,752.15	1/4	3,522.71	1/4	3,279.22	1/4	3,029.91	1/4	2,780.61	1/4	2,512.44	1/4	2,238.00	1/4	1,961.12	1/4	1,684.16
1/2		1/2	3,747.50	1/2	3,517.76	1/2	3,274.03	1/2	3,024.72	1/2	2,775.41	1/2	2,506.72	1/2	2,232.25	1/2	1,955.35	1/2	1,678.39
3/4		3/4	3,742.84	3/4	3,512.80	3/4	3,268.83	3/4	3,019.52	3/4	2,770.22	3/4	2,501.01	3/4	2,226.50	3/4	1,949.58	3/4	1,672.62
8		8	3,738.19	8	3,507.85	8	3,263.64	8	3,014.33	8	2,765.02	8	2,495.29	8	2,220.75	8	1,943.81	8	1,666.85
1/4		1/4	3,733.54	1/4	3,502.90	1/4	3,258.44	1/4	3,009.14	1/4	2,759.83	1/4	2,489.57	1/4	2,215.01	1/4	1,938.04	1/4	1,661.08
1/2		1/2	3,728.87	1/2	3,497.92	1/2	3,253.25	1/2	3,003.94	1/2	2,754.64	1/2	2,483.85	1/2	2,209.24	1/2	1,932.27	1/2	1,655.31
3/4		3/4	3,724.19	3/4	3,492.95	3/4	3,248.06	3/4	2,998.75	3/4	2,749.44	3/4	2,478.14	3/4	2,203.46	3/4	1,926.50	3/4	1,649.54
9		9	3,719.52	9	3,487.98	9	3,242.86	9	2,993.56	9	2,744.25	9	2,472.42	9	2,197.69	9	1,920.73	9	1,643.77
1/4		1/4	3,714.84	1/4	3,483.00	1/4	3,237.67	1/4	2,988.36	1/4	2,739.05	1/4	2,466.70	1/4	2,191.92	1/4	1,914.96	1/4	1,638.00
1/2		1/2	3,710.15	1/2	3,478.01	1/2	3,232.47	1/2	2,983.17	1/2	2,733.86	1/2	2,460.98	1/2	2,186.15	1/2	1,909.19	1/2	1,632.23
3/4		3/4	3,705.45	3/4	3,473.01	3/4	3,227.28	3/4	2,977.97	3/4	2,728.67	3/4	2,455.27	3/4	2,180.38	3/4	1,903.42	3/4	1,626.45
10		10	3,700.76	10	3,468.01	10	3,222.09	10	2,972.78	10	2,723.47	10	2,449.55	10	2,174.61	10	1,897.65	10	1,620.68
1/4		1/4	3,696.06	1/4	3,463.02	1/4	3,216.89	1/4	2,967.59	1/4	2,718.28	1/4	2,443.83	1/4	2,168.84	1/4	1,891.88	1/4	1,614.91
1/2		1/2	3,691.34	1/2	3,458.00	1/2	3,211.70	1/2	2,962.39	1/2	2,712.80	1/2	2,438.11	1/2	2,163.07	1/2	1,886.11	1/2	1,609.14
3/4		3/4	3,686.63	3/4	3,452.98	3/4	3,206.51	3/4	2,957.20	3/4	2,707.32	3/4	2,432.40	3/4	2,157.30	3/4	1,880.34	3/4	1,603.37
11		11	3,681.91	11	3,447.96	11	3,201.31	11	2,952.00	11	2,701.85	11	2,426.68	11	2,151.53	11	1,874.57	11	1,597.60
1/4		1/4	3,677.19	1/4	3,442.95	1/4	3,196.12	1/4	2,946.81	1/4	2,696.37	1/4	2,420.96	1/4	2,145.76	1/4	1,868.80	1/4	1,591.83
1/2	3,883.29	1/2	3,672.45	1/2	3,437.91	1/2	3,190.92	1/2	2,941.62	1/2	2,690.61	1/2	2,415.24	1/2	2,139.99	1/2	1,863.03	1/2	1,586.06
3/4	3,880.65	3/4	3,667.71	3/4	3,432.86	3/4	3,185.73	3/4	2,936.42	3/4	2,684.84	3/4	2,409.53	3/4	2,134.22	3/4	1,857.26	3/4	1,580.29

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 28'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "DBL 312"

3 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	1,574.52	0	1,297.56	0	1,020.59	0	744.11	0	467.44	0	190.49	0		0					
1/4	1,568.75	1/4	1,291.79	1/4	1,014.82	1/4	738.36	1/4	461.67	1/4	184.72	1/4		1/4					
1/2	1,562.98	1/2	1,286.02	1/2	1,009.05	1/2	732.61	1/2	455.90	1/2	178.95	1/2		1/2					
3/4	1,557.21	3/4	1,280.25	3/4	1,003.28	3/4	726.86	3/4	450.13	3/4	173.18	3/4		3/4					
1	1,551.44	1	1,274.48	1	997.51	1	721.11	1	444.36	1	167.41	1		1					
1/4	1,545.67	1/4	1,268.71	1/4	991.74	1/4	715.36	1/4	438.59	1/4	161.64	1/4		1/4					
1/2	1,539.90	1/2	1,262.94	1/2	985.97	1/2	709.61	1/2	432.82	1/2	155.87	1/2		1/2					
3/4	1,534.13	3/4	1,257.17	3/4	980.20	3/4	703.85	3/4	427.05	3/4	150.10	3/4		3/4					
2	1,528.36	2	1,251.40	2	974.43	2	698.10	2	421.28	2	144.33	2		2					
1/4	1,522.59	1/4	1,245.63	1/4	968.66	1/4	692.35	1/4	415.51	1/4	138.56	1/4		1/4					
1/2	1,516.82	1/2	1,239.86	1/2	962.89	1/2	686.60	1/2	409.74	1/2	132.79	1/2		1/2					
3/4	1,511.05	3/4	1,234.09	3/4	957.12	3/4	680.85	3/4	403.97	3/4	127.03	3/4		3/4					
3	1,505.28	3	1,228.32	3	951.35	3	675.10	3	398.20	3	121.26	3		3					
1/4	1,499.51	1/4	1,222.55	1/4	945.58	1/4	669.35	1/4	392.43	1/4	115.49	1/4		1/4					
1/2	1,493.74	1/2	1,216.78	1/2	939.81	1/2	663.59	1/2	386.66	1/2	109.74	1/2		1/2					
3/4	1,487.97	3/4	1,211.01	3/4	934.04	3/4	657.83	3/4	380.89	3/4	103.98	3/4		3/4					
4	1,482.20	4	1,205.24	4	928.27	4	652.07	4	375.13	4	98.22	4		4					
1/4	1,476.43	1/4	1,199.47	1/4	922.50	1/4	646.31	1/4	369.36	1/4	92.46	1/4		1/4					
1/2	1,470.66	1/2	1,193.70	1/2	916.73	1/2	640.54	1/2	363.59	1/2	86.72	1/2		1/2					
3/4	1,464.89	3/4	1,187.93	3/4	910.96	3/4	634.77	3/4	357.82	3/4	80.98	3/4		3/4					
5	1,459.12	5	1,182.16	5	905.19	5	629.00	5	352.05	5	75.24	5		5					
1/4	1,453.35	1/4	1,176.39	1/4	899.42	1/4	623.23	1/4	346.28	1/4	69.50	1/4		1/4					
1/2	1,447.58	1/2	1,170.62	1/2	893.66	1/2	617.46	1/2	340.51	1/2	64.04	1/2		1/2					
3/4	1,441.81	3/4	1,164.85	3/4	887.90	3/4	611.69	3/4	334.74	3/4	58.58	3/4		3/4					
6	1,436.04	6	1,159.08	6	882.14	6	605.92	6	328.97	6	53.12	6		6					
1/4	1,430.27	1/4	1,153.31	1/4	876.38	1/4	600.15	1/4	323.20	1/4	47.66	1/4		1/4					
1/2	1,424.50	1/2	1,147.54	1/2	870.63	1/2	594.38	1/2	317.43	1/2	43.05	1/2		1/2					
3/4	1,418.73	3/4	1,141.77	3/4	864.88	3/4	588.61	3/4	311.66	3/4	38.43	3/4		3/4					
7	1,412.96	7	1,136.00	7	859.13	7	582.84	7	305.89	7	33.82	7		7					
1/4	1,407.19	1/4	1,130.23	1/4	853.38	1/4	577.07	1/4	300.12	1/4	29.20	1/4		1/4					
1/2	1,401.42	1/2	1,124.46	1/2	847.63	1/2	571.30	1/2	294.35	1/2	25.74	1/2		1/2					
3/4	1,395.65	3/4	1,118.69	3/4	841.88	3/4	565.53	3/4	288.58	3/4	22.28	3/4		3/4					
8	1,389.88	8	1,112.92	8	836.13	8	559.76	8	282.81	8	18.82	8		8					
1/4	1,384.11	1/4	1,107.15	1/4	830.37	1/4	553.99	1/4	277.04	1/4	15.36	1/4		1/4					
1/2	1,378.34	1/2	1,101.38	1/2	824.62	1/2	548.22	1/2	271.27	1/2		1/2		1/2					
3/4	1,372.57	3/4	1,095.61	3/4	818.87	3/4	542.45	3/4	265.50	3/4		3/4		3/4					
9	1,366.80	9	1,089.84	9	813.12	9	536.68	9	259.73	9		9		9					
1/4	1,361.03	1/4	1,084.07	1/4	807.37	1/4	530.91	1/4	253.96	1/4		1/4		1/4					
1/2	1,355.26	1/2	1,078.30	1/2	801.62	1/2	525.14	1/2	248.19	1/2		1/2		1/2					
3/4	1,349.49	3/4	1,072.53	3/4	795.87	3/4	519.37	3/4	242.42	3/4		3/4		3/4					
10	1,343.72	10	1,066.76	10	790.12	10	513.60	10	236.65	10		10		10					
1/4	1,337.95	1/4	1,060.99	1/4	784.37	1/4	507.83	1/4	230.88	1/4		1/4		1/4					
1/2	1,332.18	1/2	1,055.22	1/2	778.62	1/2	502.06	1/2	225.11	1/2		1/2		1/2					
3/4	1,326.41	3/4	1,049.44	3/4	772.87	3/4	496.29	3/4	219.34	3/4		3/4		3/4					
11	1,320.64	11	1,043.67	11	767.11	11	490.52	11	213.57	11		11		11					
1/4	1,314.87	1/4	1,037.90	1/4	761.36	1/4	484.75	1/4	207.80	1/4		1/4		1/4					
1/2	1,309.10	1/2	1,032.13	1/2	755.61	1/2	478.98	1/2	202.03	1/2		1/2		1/2					
3/4	1,303.33	3/4	1,026.36	3/4	749.86	3/4	473.21	3/4	196.26	3/4		3/4		3/4					

STRAPPED: 06/26/2019 JS/SW
CALCULATED: 07/1/2019 CL
PRINTED: 07/1/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "DBL 312"

3 STBD 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	3,878.34	0	3,667.61	0	3,433.21	0	3,186.41	0	2,937.28	0	2,686.45	0	2,411.33	0	2,136.35	0	1,859.62
1/4	1/4	3,875.70	1/4	3,662.88	1/4	3,428.18	1/4	3,181.22	1/4	2,932.09	1/4	2,680.70	1/4	2,405.61	1/4	2,130.58	1/4	1,853.86	
1/2	1/2	3,873.07	1/2	3,658.14	1/2	3,423.14	1/2	3,176.03	1/2	2,926.90	1/2	2,674.94	1/2	2,399.90	1/2	2,124.82	1/2	1,848.09	
3/4	3/4	3,870.43	3/4	3,653.40	3/4	3,418.10	3/4	3,170.84	3/4	2,921.71	3/4	2,669.18	3/4	2,394.19	3/4	2,119.05	3/4	1,842.33	
1	1	3,866.97	1	3,648.64	1	3,413.04	1	3,165.65	1	2,916.52	1	2,663.43	1	2,388.48	1	2,113.29	1	1,836.56	
1/4	1/4	3,863.51	1/4	3,643.88	1/4	3,407.99	1/4	3,160.46	1/4	2,911.33	1/4	2,657.67	1/4	2,382.76	1/4	2,107.52	1/4	1,830.80	
1/2	1/2	3,860.06	1/2	3,639.13	1/2	3,402.93	1/2	3,155.27	1/2	2,906.14	1/2	2,651.91	1/2	2,377.05	1/2	2,101.76	1/2	1,825.03	
3/4	3/4	3,856.60	3/4	3,634.37	3/4	3,397.87	3/4	3,150.08	3/4	2,900.95	3/4	2,646.16	3/4	2,371.34	3/4	2,095.99	3/4	1,819.27	
2	2	3,852.29	2	3,629.59	2	3,392.79	2	3,144.89	2	2,895.76	2	2,640.40	2	2,365.63	2	2,090.23	2	1,813.50	
1/4	1/4	3,847.98	1/4	3,624.81	1/4	3,387.71	1/4	3,139.70	1/4	2,890.57	1/4	2,634.64	1/4	2,359.91	1/4	2,084.46	1/4	1,807.74	
1/2	1/2	3,843.68	1/2	3,620.03	1/2	3,382.63	1/2	3,134.51	1/2	2,885.38	1/2	2,628.89	1/2	2,354.20	1/2	2,078.70	1/2	1,801.97	
3/4	3/4	3,839.37	3/4	3,615.25	3/4	3,377.55	3/4	3,129.32	3/4	2,880.19	3/4	2,623.13	3/4	2,348.49	3/4	2,072.93	3/4	1,796.21	
3	3	3,834.72	3	3,610.44	3	3,372.44	3	3,124.13	3	2,875.00	3	2,617.37	3	2,342.78	3	2,067.17	3	1,790.44	
1/4	1/4	3,830.08	1/4	3,605.64	1/4	3,367.34	1/4	3,118.94	1/4	2,869.81	1/4	2,611.62	1/4	2,337.06	1/4	2,061.40	1/4	1,784.68	
1/2	1/2	3,825.43	1/2	3,600.84	1/2	3,362.24	1/2	3,113.75	1/2	2,864.62	1/2	2,605.86	1/2	2,331.35	1/2	2,055.64	1/2	1,778.91	
3/4	3/4	3,820.78	3/4	3,596.04	3/4	3,357.14	3/4	3,108.56	3/4	2,859.43	3/4	2,600.11	3/4	2,325.64	3/4	2,049.87	3/4	1,773.15	
4	4	3,816.22	4	3,591.22	4	3,352.01	4	3,103.37	4	2,854.24	4	2,594.35	4	2,319.93	4	2,044.11	4	1,767.38	
1/4	1/4	3,811.66	1/4	3,586.39	1/4	3,347.14	1/4	3,098.18	1/4	2,849.05	1/4	2,588.59	1/4	2,314.21	1/4	2,038.34	1/4	1,761.62	
1/2	1/2	3,807.10	1/2	3,581.57	1/2	3,341.76	1/2	3,092.99	1/2	2,843.86	1/2	2,582.84	1/2	2,308.50	1/2	2,032.58	1/2	1,755.85	
3/4	3/4	3,802.54	3/4	3,576.75	3/4	3,336.64	3/4	3,087.80	3/4	2,838.67	3/4	2,577.08	3/4	2,302.79	3/4	2,026.81	3/4	1,750.09	
5	5	3,797.95	5	3,571.88	5	3,331.49	5	3,082.60	5	2,833.48	5	2,571.34	5	2,297.08	5	2,021.05	5	1,744.32	
1/4	1/4	3,793.37	1/4	3,567.02	1/4	3,326.35	1/4	3,077.41	1/4	2,828.29	1/4	2,565.61	1/4	2,291.36	1/4	2,015.28	1/4	1,738.56	
1/2	1/2	3,788.79	1/2	3,562.15	1/2	3,321.20	1/2	3,072.22	1/2	2,823.09	1/2	2,559.87	1/2	2,285.65	1/2	2,009.52	1/2	1,732.79	
3/4	3/4	3,784.20	3/4	3,557.29	3/4	3,316.05	3/4	3,067.03	3/4	2,817.90	3/4	2,554.14	3/4	2,279.94	3/4	2,003.75	3/4	1,727.03	
6	6	3,779.60	6	3,552.39	6	3,310.88	6	3,061.84	6	2,812.71	6	2,548.43	6	2,274.23	6	1,997.99	6	1,721.26	
1/4	1/4	3,774.99	1/4	3,547.48	1/4	3,305.72	1/4	3,056.65	1/4	2,807.52	1/4	2,542.71	1/4	2,268.51	1/4	1,992.22	1/4	1,715.50	
1/2	1/2	3,770.38	1/2	3,542.57	1/2	3,300.55	1/2	3,051.46	1/2	2,802.33	1/2	2,537.00	1/2	2,262.80	1/2	1,986.46	1/2	1,709.73	
3/4	3/4	3,765.78	3/4	3,537.67	3/4	3,295.38	3/4	3,046.27	3/4	2,797.14	3/4	2,531.29	3/4	2,257.09	3/4	1,980.69	3/4	1,703.97	
7	7	3,761.15	7	3,532.74	7	3,290.19	7	3,041.08	7	2,791.95	7	2,525.58	7	2,251.38	7	1,974.93	7	1,698.20	
1/4	1/4	3,756.52	1/4	3,527.82	1/4	3,285.01	1/4	3,035.89	1/4	2,786.76	1/4	2,519.86	1/4	2,245.66	1/4	1,969.16	1/4	1,692.44	
1/2	1/2	3,751.90	1/2	3,522.89	1/2	3,279.83	1/2	3,030.70	1/2	2,781.57	1/2	2,514.15	1/2	2,239.95	1/2	1,963.40	1/2	1,686.67	
3/4	3/4	3,747.27	3/4	3,517.96	3/4	3,274.64	3/4	3,025.51	3/4	2,776.38	3/4	2,508.44	3/4	2,234.24	3/4	1,957.63	3/4	1,680.91	
8	8	3,742.62	8	3,513.01	8	3,269.45	8	3,020.32	8	2,771.19	8	2,502.73	8	2,228.50	8	1,951.87	8	1,675.14	
1/4	1/4	3,737.97	1/4	3,508.06	1/4	3,264.26	1/4	3,015.13	1/4	2,766.00	1/4	2,497.01	1/4	2,222.77	1/4	1,946.10	1/4	1,669.38	
1/2	1/2	3,733.32	1/2	3,503.11	1/2	3,259.07	1/2	3,009.94	1/2	2,760.81	1/2	2,491.30	1/2	2,217.03	1/2	1,940.33	1/2	1,663.61	
3/4	3/4	3,728.67	3/4	3,498.16	3/4	3,253.88	3/4	3,004.75	3/4	2,755.62	3/4	2,485.59	3/4	2,211.29	3/4	1,934.57	3/4	1,657.85	
9	9	3,724.00	9	3,493.19	9	3,248.69	9	2,999.56	9	2,750.43	9	2,479.88	9	2,205.53	9	1,928.80	9	1,652.08	
1/4	1/4	3,719.33	1/4	3,488.22	1/4	3,243.50	1/4	2,994.37	1/4	2,745.24	1/4	2,474.16	1/4	2,199.76	1/4	1,923.04	1/4	1,646.31	
1/2	1/2	3,714.66	1/2	3,483.25	1/2	3,238.31	1/2	2,989.18	1/2	2,740.05	1/2	2,468.45	1/2	2,194.00	1/2	1,917.27	1/2	1,640.55	
3/4	3/4	3,709.99	3/4	3,478.28	3/4	3,233.12	3/4	2,983.99	3/4	2,734.86	3/4	2,462.74	3/4	2,188.23	3/4	1,911.51	3/4	1,634.78	
10	10	3,705.29	10	3,473.29	10	3,227.93	10	2,978.80	10	2,729.67	10	2,457.03	10	2,182.47	10	1,905.74	10	1,629.02	
1/4	1/4	3,700.60	1/4	3,468.29	1/4	3,222.74	1/4	2,973.61	1/4	2,724.48	1/4	2,451.31	1/4	2,176.70	1/4	1,899.98	1/4	1,623.25	
1/2	1/2	3,695.91	1/2	3,463.30	1/2	3,217.55	1/2	2,968.42	1/2	2,719.29	1/2	2,445.60	1/2	2,170.94	1/2	1,894.21	1/2	1,617.49	
3/4	3/4	3,691.21	3/4	3,458.31	3/4	3,212.36	3/4	2,963.23	3/4	2,714.10	3/4	2,439.89	3/4	2,165.17	3/4	1,888.45	3/4	1,611.72	
11	11	3,686.50	11	3,453.29	11	3,207.17	11	2,958.04	11	2,708.63	11	2,434.18	11	2,159.41	11	1,882.68	11	1,605.96	
1/4	1/4	3,681.78	1/4	3,448.28	1/4	3,201.98	1/4	2,952.85	1/4	2,703.15	1/4	2,428.46	1/4	2,153.64	1/4	1,876.92	1/4	1,600.19	
1/2	1/2	3,677.07	1/2	3,443.26	1/2	3,196.79	1/2	2,947.66	1/2	2,697.68	1/2	2,422.75	1/2	2,147.88	1/2	1,871.15	1/2	1,594.43	
3/4	3/4	3,672.35	3/4	3,438.25	3/4	3,191.60	3/4	2,942.47	3/4	2,692.21	3/4	2,417.04	3/4	2,142.11	3/4	1,865.39	3/4	1,588.66	

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 28'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "DBL 312"

3 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	1,582.90	0	1,306.17	0	1,029.45	0	754.16	0	478.56	0	201.85	0		0					
1/4	1,577.13	1/4	1,300.41	1/4	1,023.68	1/4	748.45	1/4	472.79	1/4	196.08	1/4		1/4					
1/2	1,571.37	1/2	1,294.64	1/2	1,017.92	1/2	742.74	1/2	467.03	1/2	190.32	1/2		1/2					
3/4	1,565.60	3/4	1,288.88	3/4	1,012.15	3/4	737.03	3/4	461.26	3/4	184.55	3/4		3/4					
1	1,559.84	1	1,283.11	1	1,006.39	1	731.32	1	455.50	1	178.79	1		1					
1/4	1,554.07	1/4	1,277.35	1/4	1,000.62	1/4	725.61	1/4	449.73	1/4	173.02	1/4		1/4					
1/2	1,548.31	1/2	1,271.58	1/2	994.86	1/2	719.90	1/2	443.97	1/2	167.26	1/2		1/2					
3/4	1,542.54	3/4	1,265.82	3/4	989.09	3/4	714.19	3/4	438.20	3/4	161.49	3/4		3/4					
2	1,536.78	2	1,260.05	2	983.33	2	708.48	2	432.44	2	155.73	2		2					
1/4	1,531.01	1/4	1,254.29	1/4	977.56	1/4	702.77	1/4	426.67	1/4	149.96	1/4		1/4					
1/2	1,525.25	1/2	1,248.52	1/2	971.80	1/2	697.06	1/2	420.91	1/2	144.20	1/2		1/2					
3/4	1,519.48	3/4	1,242.76	3/4	966.03	3/4	691.35	3/4	415.14	3/4	138.43	3/4		3/4					
3	1,513.72	3	1,236.99	3	960.27	3	685.64	3	409.38	3	132.67	3		3					
1/4	1,507.95	1/4	1,231.23	1/4	954.50	1/4	679.93	1/4	403.61	1/4	126.91	1/4		1/4					
1/2	1,502.19	1/2	1,225.46	1/2	948.74	1/2	674.22	1/2	397.85	1/2	121.15	1/2		1/2					
3/4	1,496.42	3/4	1,219.70	3/4	942.97	3/4	668.51	3/4	392.08	3/4	115.39	3/4		3/4					
4	1,490.66	4	1,213.93	4	937.21	4	662.79	4	386.32	4	109.63	4		4					
1/4	1,484.89	1/4	1,208.17	1/4	931.44	1/4	657.08	1/4	380.55	1/4	103.88	1/4		1/4					
1/2	1,479.13	1/2	1,202.40	1/2	925.68	1/2	651.36	1/2	374.79	1/2	98.13	1/2		1/2					
3/4	1,473.36	3/4	1,196.64	3/4	919.91	3/4	645.65	3/4	369.02	3/4	92.37	3/4		3/4					
5	1,467.60	5	1,190.87	5	914.17	5	639.90	5	363.26	5	86.64	5		5					
1/4	1,461.83	1/4	1,185.11	1/4	908.42	1/4	634.16	1/4	357.50	1/4	80.90	1/4		1/4					
1/2	1,456.07	1/2	1,179.34	1/2	902.68	1/2	628.42	1/2	351.73	1/2	75.17	1/2		1/2					
3/4	1,450.30	3/4	1,173.58	3/4	896.94	3/4	622.68	3/4	345.97	3/4	69.43	3/4		3/4					
6	1,444.54	6	1,167.81	6	891.22	6	616.91	6	340.20	6	63.98	6		6					
1/4	1,438.77	1/4	1,162.05	1/4	885.50	1/4	611.15	1/4	334.44	1/4	58.52	1/4		1/4					
1/2	1,433.01	1/2	1,156.28	1/2	879.79	1/2	605.38	1/2	328.67	1/2	53.07	1/2		1/2					
3/4	1,427.24	3/4	1,150.52	3/4	874.07	3/4	599.62	3/4	322.91	3/4	47.62	3/4		3/4					
7	1,421.48	7	1,144.75	7	868.36	7	593.85	7	317.14	7	43.00	7		7					
1/4	1,415.71	1/4	1,138.99	1/4	862.65	1/4	588.09	1/4	311.38	1/4	38.39	1/4		1/4					
1/2	1,409.95	1/2	1,133.22	1/2	856.94	1/2	582.32	1/2	305.61	1/2	33.78	1/2		1/2					
3/4	1,404.18	3/4	1,127.46	3/4	851.23	3/4	576.56	3/4	299.85	3/4	29.17	3/4		3/4					
8	1,398.42	8	1,121.69	8	845.52	8	570.79	8	294.08	8	25.72	8		8					
1/4	1,392.65	1/4	1,115.93	1/4	839.81	1/4	565.03	1/4	288.32	1/4	22.26	1/4		1/4					
1/2	1,386.89	1/2	1,110.16	1/2	834.10	1/2	559.26	1/2	282.55	1/2	18.80	1/2		1/2					
3/4	1,381.12	3/4	1,104.40	3/4	828.39	3/4	553.50	3/4	276.79	3/4	15.34	3/4		3/4					
9	1,375.36	9	1,098.63	9	822.68	9	547.73	9	271.02	9		9		9					
1/4	1,369.59	1/4	1,092.87	1/4	816.97	1/4	541.97	1/4	265.26	1/4		1/4		1/4					
1/2	1,363.82	1/2	1,087.10	1/2	811.26	1/2	536.20	1/2	259.49	1/2		1/2		1/2					
3/4	1,358.06	3/4	1,081.34	3/4	805.55	3/4	530.44	3/4	253.73	3/4		3/4		3/4					
10	1,352.29	10	1,075.57	10	799.84	10	524.67	10	247.96	10		10		10					
1/4	1,346.53	1/4	1,069.80	1/4	794.13	1/4	518.91	1/4	242.20	1/4		1/4		1/4					
1/2	1,340.76	1/2	1,064.04	1/2	788.42	1/2	513.14	1/2	236.43	1/2		1/2		1/2					
3/4	1,335.00	3/4	1,058.27	3/4	782.71	3/4	507.38	3/4	230.67	3/4		3/4		3/4					
11	1,329.23	11	1,052.51	11	777.00	11	501.62	11	224.90	11		11		11					
1/4	1,323.47	1/4	1,046.74	1/4	771.29	1/4	495.85	1/4	219.14	1/4		1/4		1/4					
1/2	1,317.70	1/2	1,040.98	1/2	765.58	1/2	490.09	1/2	213.38	1/2		1/2		1/2					
3/4	1,311.94	3/4	1,035.21	3/4	759.87	3/4	484.32	3/4	207.61	3/4		3/4		3/4					

STRAPPED: 06/26/2019 JS/SW
CALCULATED: 07/1/2019 CL
PRINTED: 07/1/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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