



BARGE "DBL 309"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 252'-00"

April 15, 2019

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

<http://www.pmacorp.net>



BARGE "DBL 309"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,072.79	0	1,709.40	0	1,346.02	0	983.04	0	619.75	0	259.56	0		0					
1/4	2,065.22	1/4	1,701.83	1/4	1,338.45	1/4	975.49	1/4	612.18	1/4	252.14	1/4		1/4					
1/2	2,057.65	1/2	1,694.26	1/2	1,330.88	1/2	967.93	1/2	604.61	1/2	244.71	1/2		1/2					
3/4	2,050.07	3/4	1,686.69	3/4	1,323.31	3/4	960.37	3/4	597.04	3/4	237.29	3/4		3/4					
1	2,042.50	1	1,679.12	1	1,315.74	1	952.81	1	589.47	1	229.87	1		1					
1/4	2,034.93	1/4	1,671.55	1/4	1,308.17	1/4	945.25	1/4	581.90	1/4	222.45	1/4		1/4					
1/2	2,027.36	1/2	1,663.98	1/2	1,300.60	1/2	937.69	1/2	574.33	1/2	215.02	1/2		1/2					
3/4	2,019.79	3/4	1,656.41	3/4	1,293.02	3/4	930.13	3/4	566.76	3/4	207.60	3/4		3/4					
2	2,012.22	2	1,648.84	2	1,285.45	2	922.56	2	559.19	2	200.16	2		2					
1/4	2,004.65	1/4	1,641.27	1/4	1,277.88	1/4	914.99	1/4	551.62	1/4	192.72	1/4		1/4					
1/2	1,997.08	1/2	1,633.70	1/2	1,270.31	1/2	907.42	1/2	544.05	1/2	185.28	1/2		1/2					
3/4	1,989.51	3/4	1,626.13	3/4	1,262.74	3/4	899.85	3/4	536.48	3/4	177.85	3/4		3/4					
3	1,981.94	3	1,618.56	3	1,255.17	3	892.28	3	528.91	3	170.29	3		3					
1/4	1,974.37	1/4	1,610.99	1/4	1,247.60	1/4	884.71	1/4	521.34	1/4	162.73	1/4		1/4					
1/2	1,966.80	1/2	1,603.42	1/2	1,240.03	1/2	877.14	1/2	513.77	1/2	155.18	1/2		1/2					
3/4	1,959.23	3/4	1,595.84	3/4	1,232.46	3/4	869.57	3/4	506.20	3/4	147.62	3/4		3/4					
4	1,951.66	4	1,588.27	4	1,224.91	4	862.00	4	498.63	4	140.07	4		4					
1/4	1,944.09	1/4	1,580.70	1/4	1,217.35	1/4	854.43	1/4	491.06	1/4	132.51	1/4		1/4					
1/2	1,936.52	1/2	1,573.13	1/2	1,209.79	1/2	846.86	1/2	483.49	1/2	124.96	1/2		1/2					
3/4	1,928.95	3/4	1,565.56	3/4	1,202.23	3/4	839.29	3/4	475.92	3/4	117.40	3/4		3/4					
5	1,921.38	5	1,557.99	5	1,194.67	5	831.72	5	468.35	5	109.92	5		5					
1/4	1,913.81	1/4	1,550.42	1/4	1,187.12	1/4	824.14	1/4	460.78	1/4	102.45	1/4		1/4					
1/2	1,906.24	1/2	1,542.85	1/2	1,179.56	1/2	816.57	1/2	453.21	1/2	94.97	1/2		1/2					
3/4	1,898.66	3/4	1,535.28	3/4	1,172.00	3/4	809.00	3/4	445.63	3/4	87.50	3/4		3/4					
6	1,891.09	6	1,527.71	6	1,164.44	6	801.43	6	438.08	6	80.73	6		6					
1/4	1,883.52	1/4	1,520.14	1/4	1,156.88	1/4	793.86	1/4	430.53	1/4	73.96	1/4		1/4					
1/2	1,875.95	1/2	1,512.57	1/2	1,149.32	1/2	786.29	1/2	422.98	1/2	67.20	1/2		1/2					
3/4	1,868.38	3/4	1,505.00	3/4	1,141.77	3/4	778.72	3/4	415.43	3/4	60.43	3/4		3/4					
7	1,860.81	7	1,497.43	7	1,134.21	7	771.15	7	408.01	7	54.92	7		7					
1/4	1,853.24	1/4	1,489.86	1/4	1,126.65	1/4	763.58	1/4	400.58	1/4	49.42	1/4		1/4					
1/2	1,845.67	1/2	1,482.29	1/2	1,119.09	1/2	756.01	1/2	393.16	1/2	43.92	1/2		1/2					
3/4	1,838.10	3/4	1,474.72	3/4	1,111.53	3/4	748.44	3/4	385.74	3/4	38.41	3/4		3/4					
8	1,830.53	8	1,467.15	8	1,103.98	8	740.87	8	378.32	8	34.17	8		8					
1/4	1,822.96	1/4	1,459.58	1/4	1,096.42	1/4	733.30	1/4	370.89	1/4	29.92	1/4		1/4					
1/2	1,815.39	1/2	1,452.01	1/2	1,088.86	1/2	725.73	1/2	363.47	1/2	25.68	1/2		1/2					
3/4	1,807.82	3/4	1,444.43	3/4	1,081.30	3/4	718.16	3/4	356.05	3/4	21.44	3/4		3/4					
9	1,800.25	9	1,436.86	9	1,073.74	9	710.59	9	348.63	9		9		9					
1/4	1,792.68	1/4	1,429.29	1/4	1,066.18	1/4	703.02	1/4	341.20	1/4		1/4		1/4					
1/2	1,785.11	1/2	1,421.72	1/2	1,058.63	1/2	695.45	1/2	333.78	1/2		1/2		1/2					
3/4	1,777.54	3/4	1,414.15	3/4	1,051.07	3/4	687.88	3/4	326.36	3/4		3/4		3/4					
10	1,769.97	10	1,406.58	10	1,043.51	10	680.31	10	318.94	10		10		10					
1/4	1,762.40	1/4	1,399.01	1/4	1,035.95	1/4	672.74	1/4	311.51	1/4		1/4		1/4					
1/2	1,754.83	1/2	1,391.44	1/2	1,028.39	1/2	665.17	1/2	304.09	1/2		1/2		1/2					
3/4	1,747.25	3/4	1,383.87	3/4	1,020.84	3/4	657.60	3/4	296.67	3/4		3/4		3/4					
11	1,739.68	11	1,376.30	11	1,013.28	11	650.03	11	289.25	11		11		11					
1/4	1,732.11	1/4	1,368.73	1/4	1,005.72	1/4	642.46	1/4	281.83	1/4		1/4		1/4					
1/2	1,724.54	1/2	1,361.16	1/2	998.16	1/2	634.89	1/2	274.40	1/2		1/2		1/2					
3/4	1,716.97	3/4	1,353.59	3/4	990.60	3/4	627.32	3/4	266.98	3/4		3/4		3/4					

STRAPPED: 04/15/2019 SW JS
CALCULATED: 04/16/2019 CL
PRINTED: 04/17/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "DBL 309"

**1 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 15'-09 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	2,082.57	0	1,719.78	0	1,357.00	0	996.00	0	633.83	0	273.94	0		0					
1/4	2,075.01	1/4	1,712.23	1/4	1,349.44	1/4	988.50	1/4	626.27	1/4	266.53	1/4		1/4					
1/2	2,067.45	1/2	1,704.67	1/2	1,341.88	1/2	980.99	1/2	618.71	1/2	259.12	1/2		1/2					
3/4	2,059.89	3/4	1,697.11	3/4	1,334.33	3/4	973.49	3/4	611.16	3/4	251.71	3/4		3/4					
1	2,052.34	1	1,689.55	1	1,326.77	1	965.98	1	603.60	1	244.30	1		1					
1/4	2,044.78	1/4	1,681.99	1/4	1,319.21	1/4	958.47	1/4	596.04	1/4	236.89	1/4		1/4					
1/2	2,037.22	1/2	1,674.44	1/2	1,311.65	1/2	950.97	1/2	588.48	1/2	229.48	1/2		1/2					
3/4	2,029.66	3/4	1,666.88	3/4	1,304.09	3/4	943.46	3/4	580.93	3/4	222.07	3/4		3/4					
2	2,022.10	2	1,659.32	2	1,296.54	2	935.95	2	573.37	2	214.66	2		2					
1/4	2,014.55	1/4	1,651.76	1/4	1,288.98	1/4	928.44	1/4	565.81	1/4	207.25	1/4		1/4					
1/2	2,006.99	1/2	1,644.20	1/2	1,281.43	1/2	920.92	1/2	558.25	1/2	199.82	1/2		1/2					
3/4	1,999.43	3/4	1,636.65	3/4	1,273.87	3/4	913.40	3/4	550.70	3/4	192.40	3/4		3/4					
3	1,991.87	3	1,629.09	3	1,266.32	3	905.87	3	543.14	3	184.97	3		3					
1/4	1,984.31	1/4	1,621.53	1/4	1,258.77	1/4	898.35	1/4	535.58	1/4	177.54	1/4		1/4					
1/2	1,976.76	1/2	1,613.97	1/2	1,251.25	1/2	890.79	1/2	528.02	1/2	170.00	1/2		1/2					
3/4	1,969.20	3/4	1,606.41	3/4	1,243.73	3/4	883.23	3/4	520.46	3/4	162.46	3/4		3/4					
4	1,961.64	4	1,598.86	4	1,236.21	4	875.68	4	512.91	4	154.91	4		4					
1/4	1,954.08	1/4	1,591.30	1/4	1,228.70	1/4	868.12	1/4	505.35	1/4	147.37	1/4		1/4					
1/2	1,946.52	1/2	1,583.74	1/2	1,221.19	1/2	860.56	1/2	497.79	1/2	139.83	1/2		1/2					
3/4	1,938.97	3/4	1,576.18	3/4	1,213.68	3/4	853.00	3/4	490.23	3/4	132.28	3/4		3/4					
5	1,931.41	5	1,568.62	5	1,206.18	5	845.45	5	482.68	5	124.74	5		5					
1/4	1,923.85	1/4	1,561.07	1/4	1,198.67	1/4	837.89	1/4	475.12	1/4	117.20	1/4		1/4					
1/2	1,916.29	1/2	1,553.51	1/2	1,191.17	1/2	830.33	1/2	467.56	1/2	109.73	1/2		1/2					
3/4	1,908.73	3/4	1,545.95	3/4	1,183.66	3/4	822.77	3/4	460.00	3/4	102.27	3/4		3/4					
6	1,901.18	6	1,538.39	6	1,176.15	6	815.21	6	452.44	6	94.81	6		6					
1/4	1,893.62	1/4	1,530.83	1/4	1,168.65	1/4	807.66	1/4	444.89	1/4	87.34	1/4		1/4					
1/2	1,886.06	1/2	1,523.28	1/2	1,161.14	1/2	800.10	1/2	437.35	1/2	80.59	1/2		1/2					
3/4	1,878.50	3/4	1,515.72	3/4	1,153.63	3/4	792.54	3/4	429.81	3/4	73.83	3/4		3/4					
7	1,870.94	7	1,508.16	7	1,146.13	7	784.98	7	422.27	7	67.08	7		7					
1/4	1,863.39	1/4	1,500.60	1/4	1,138.62	1/4	777.43	1/4	414.73	1/4	60.32	1/4		1/4					
1/2	1,855.83	1/2	1,493.04	1/2	1,131.12	1/2	769.87	1/2	407.32	1/2	54.83	1/2		1/2					
3/4	1,848.27	3/4	1,485.49	3/4	1,123.61	3/4	762.31	3/4	399.91	3/4	49.33	3/4		3/4					
8	1,840.71	8	1,477.93	8	1,116.10	8	754.75	8	392.50	8	43.83	8		8					
1/4	1,833.15	1/4	1,470.37	1/4	1,108.60	1/4	747.20	1/4	385.09	1/4	38.34	1/4		1/4					
1/2	1,825.60	1/2	1,462.81	1/2	1,101.09	1/2	739.64	1/2	377.68	1/2	34.10	1/2		1/2					
3/4	1,818.04	3/4	1,455.25	3/4	1,093.58	3/4	732.08	3/4	370.27	3/4	29.87	3/4		3/4					
9	1,810.48	9	1,447.70	9	1,086.08	9	724.52	9	362.86	9	25.63	9		9					
1/4	1,802.92	1/4	1,440.14	1/4	1,078.57	1/4	716.96	1/4	355.45	1/4	21.39	1/4		1/4					
1/2	1,795.36	1/2	1,432.58	1/2	1,071.07	1/2	709.41	1/2	348.04	1/2		1/2		1/2					
3/4	1,787.81	3/4	1,425.02	3/4	1,063.56	3/4	701.85	3/4	340.63	3/4		3/4		3/4					
10	1,780.25	10	1,417.46	10	1,056.05	10	694.29	10	333.22	10		10		10					
1/4	1,772.69	1/4	1,409.91	1/4	1,048.55	1/4	686.73	1/4	325.81	1/4		1/4		1/4					
1/2	1,765.13	1/2	1,402.35	1/2	1,041.04	1/2	679.18	1/2	318.40	1/2		1/2		1/2					
3/4	1,757.57	3/4	1,394.79	3/4	1,033.53	3/4	671.62	3/4	310.99	3/4		3/4		3/4					
11	1,750.02	11	1,387.23	11	1,026.03	11	664.06	11	303.58	11		11		11					
1/4	1,742.46	1/4	1,379.67	1/4	1,018.52	1/4	656.50	1/4	296.17	1/4		1/4		1/4					
1/2	1,734.90	1/2	1,372.12	1/2	1,011.02	1/2	648.95	1/2	288.76	1/2		1/2		1/2					
3/4	1,727.34	3/4	1,364.56	3/4	1,003.51	3/4	641.39	3/4	281.35	3/4		3/4		3/4					

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BARGE "DBL 309"

2 PORT ULLAGE TABLE

GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,072.36	0	1,710.37	0	1,348.38	0	986.78	0	624.89	0	265.95	0		0					
1/4	2,064.82	1/4	1,702.83	1/4	1,340.83	1/4	979.25	1/4	617.35	1/4	258.55	1/4		1/4					
1/2	2,057.28	1/2	1,695.28	1/2	1,333.29	1/2	971.72	1/2	609.81	1/2	251.16	1/2		1/2					
3/4	2,049.73	3/4	1,687.74	3/4	1,325.75	3/4	964.19	3/4	602.27	3/4	243.77	3/4		3/4					
1	2,042.19	1	1,680.20	1	1,318.21	1	956.67	1	594.73	1	236.37	1		1					
1/4	2,034.65	1/4	1,672.66	1/4	1,310.67	1/4	949.13	1/4	587.19	1/4	228.98	1/4		1/4					
1/2	2,027.11	1/2	1,665.12	1/2	1,303.13	1/2	941.60	1/2	579.65	1/2	221.59	1/2		1/2					
3/4	2,019.57	3/4	1,657.58	3/4	1,295.58	3/4	934.07	3/4	572.11	3/4	214.19	3/4		3/4					
2	2,012.03	2	1,650.04	2	1,288.04	2	926.54	2	564.57	2	206.80	2		2					
1/4	2,004.49	1/4	1,642.49	1/4	1,280.50	1/4	919.00	1/4	557.02	1/4	199.39	1/4		1/4					
1/2	1,996.94	1/2	1,634.95	1/2	1,272.96	1/2	911.46	1/2	549.48	1/2	191.98	1/2		1/2					
3/4	1,989.40	3/4	1,627.41	3/4	1,265.42	3/4	903.92	3/4	541.94	3/4	184.57	3/4		3/4					
3	1,981.86	3	1,619.87	3	1,257.88	3	896.38	3	534.40	3	177.16	3		3					
1/4	1,974.32	1/4	1,612.33	1/4	1,250.34	1/4	888.84	1/4	526.86	1/4	169.63	1/4		1/4					
1/2	1,966.78	1/2	1,604.79	1/2	1,242.80	1/2	881.30	1/2	519.32	1/2	162.11	1/2		1/2					
3/4	1,959.24	3/4	1,597.24	3/4	1,235.26	3/4	873.75	3/4	511.78	3/4	154.58	3/4		3/4					
4	1,951.70	4	1,589.70	4	1,227.72	4	866.21	4	504.24	4	147.05	4		4					
1/4	1,944.15	1/4	1,582.16	1/4	1,220.19	1/4	858.67	1/4	496.69	1/4	139.53	1/4		1/4					
1/2	1,936.61	1/2	1,574.62	1/2	1,212.66	1/2	851.13	1/2	489.15	1/2	132.00	1/2		1/2					
3/4	1,929.07	3/4	1,567.08	3/4	1,205.13	3/4	843.59	3/4	481.61	3/4	124.47	3/4		3/4					
5	1,921.53	5	1,559.54	5	1,197.60	5	836.05	5	474.07	5	116.95	5		5					
1/4	1,913.99	1/4	1,552.00	1/4	1,190.07	1/4	828.51	1/4	466.53	1/4	109.50	1/4		1/4					
1/2	1,906.45	1/2	1,544.45	1/2	1,182.54	1/2	820.97	1/2	458.99	1/2	102.05	1/2		1/2					
3/4	1,898.90	3/4	1,536.91	3/4	1,175.01	3/4	813.42	3/4	451.45	3/4	94.60	3/4		3/4					
6	1,891.36	6	1,529.37	6	1,167.49	6	805.88	6	443.91	6	87.16	6		6					
1/4	1,883.82	1/4	1,521.83	1/4	1,159.96	1/4	798.34	1/4	436.38	1/4	80.42	1/4		1/4					
1/2	1,876.28	1/2	1,514.29	1/2	1,152.43	1/2	790.80	1/2	428.86	1/2	73.67	1/2		1/2					
3/4	1,868.74	3/4	1,506.75	3/4	1,144.90	3/4	783.26	3/4	421.34	3/4	66.93	3/4		3/4					
7	1,861.20	7	1,499.21	7	1,137.37	7	775.72	7	413.81	7	60.19	7		7					
1/4	1,853.66	1/4	1,491.66	1/4	1,129.84	1/4	768.18	1/4	406.42	1/4	54.71	1/4		1/4					
1/2	1,846.11	1/2	1,484.12	1/2	1,122.31	1/2	760.64	1/2	399.03	1/2	49.23	1/2		1/2					
3/4	1,838.57	3/4	1,476.58	3/4	1,114.78	3/4	753.10	3/4	391.63	3/4	43.74	3/4		3/4					
8	1,831.03	8	1,469.04	8	1,107.25	8	745.55	8	384.24	8	38.26	8		8					
1/4	1,823.49	1/4	1,461.50	1/4	1,099.72	1/4	738.01	1/4	376.85	1/4	34.03	1/4		1/4					
1/2	1,815.95	1/2	1,453.96	1/2	1,092.19	1/2	730.47	1/2	369.45	1/2	29.81	1/2		1/2					
3/4	1,808.41	3/4	1,446.41	3/4	1,084.66	3/4	722.93	3/4	362.06	3/4	25.58	3/4		3/4					
9	1,800.87	9	1,438.87	9	1,077.13	9	715.39	9	354.67	9	21.35	9		9					
1/4	1,793.32	1/4	1,431.33	1/4	1,069.60	1/4	707.85	1/4	347.27	1/4		1/4		1/4					
1/2	1,785.78	1/2	1,423.79	1/2	1,062.08	1/2	700.31	1/2	339.88	1/2		1/2		1/2					
3/4	1,778.24	3/4	1,416.25	3/4	1,054.55	3/4	692.77	3/4	332.49	3/4		3/4		3/4					
10	1,770.70	10	1,408.71	10	1,047.02	10	685.22	10	325.09	10		10		10					
1/4	1,763.16	1/4	1,401.17	1/4	1,039.49	1/4	677.68	1/4	317.70	1/4		1/4		1/4					
1/2	1,755.62	1/2	1,393.62	1/2	1,031.96	1/2	670.14	1/2	310.31	1/2		1/2		1/2					
3/4	1,748.07	3/4	1,386.08	3/4	1,024.43	3/4	662.60	3/4	302.91	3/4		3/4		3/4					
11	1,740.53	11	1,378.54	11	1,016.90	11	655.06	11	295.52	11		11		11					
1/4	1,732.99	1/4	1,371.00	1/4	1,009.37	1/4	647.52	1/4	288.13	1/4		1/4		1/4					
1/2	1,725.45	1/2	1,363.46	1/2	1,001.84	1/2	639.98	1/2	280.73	1/2		1/2		1/2					
3/4	1,717.91	3/4	1,355.92	3/4	994.31	3/4	632.44	3/4	273.34	3/4		3/4		3/4					

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BARGE "DBL 309"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,055.14	0	1,693.38	0	1,331.61	0	982.34	0	624.49	0	265.77	0		0					
1/4	2,047.60	1/4	1,685.84	1/4	1,324.08	1/4	975.14	1/4	616.95	1/4	258.38	1/4		1/4					1/4
1/2	2,040.06	1/2	1,678.30	1/2	1,316.54	1/2	967.95	1/2	609.42	1/2	250.99	1/2		1/2					1/2
3/4	2,032.53	3/4	1,670.77	3/4	1,309.00	3/4	960.76	3/4	601.88	3/4	243.61	3/4		3/4					3/4
1	2,024.99	1	1,663.23	1	1,301.47	1	953.56	1	594.35	1	236.22	1		1					1
1/4	2,017.45	1/4	1,655.69	1/4	1,293.93	1/4	946.37	1/4	586.81	1/4	228.83	1/4		1/4					1/4
1/2	2,009.92	1/2	1,648.16	1/2	1,286.39	1/2	939.17	1/2	579.27	1/2	221.44	1/2		1/2					1/2
3/4	2,002.38	3/4	1,640.62	3/4	1,278.86	3/4	931.98	3/4	571.74	3/4	214.05	3/4		3/4					3/4
2	1,994.84	2	1,633.08	2	1,271.32	2	924.78	2	564.20	2	206.66	2		2					2
1/4	1,987.31	1/4	1,625.54	1/4	1,263.82	1/4	917.54	1/4	556.66	1/4	199.26	1/4		1/4					1/4
1/2	1,979.77	1/2	1,618.01	1/2	1,256.33	1/2	910.29	1/2	549.13	1/2	191.85	1/2		1/2					1/2
3/4	1,972.23	3/4	1,610.47	3/4	1,248.83	3/4	903.05	3/4	541.59	3/4	184.45	3/4		3/4					3/4
3	1,964.70	3	1,602.93	3	1,241.34	3	895.80	3	534.05	3	177.04	3		3					3
1/4	1,957.16	1/4	1,595.40	1/4	1,234.14	1/4	888.27	1/4	526.52	1/4	169.52	1/4		1/4					1/4
1/2	1,949.62	1/2	1,587.86	1/2	1,226.93	1/2	880.73	1/2	518.98	1/2	162.00	1/2		1/2					1/2
3/4	1,942.09	3/4	1,580.32	3/4	1,219.73	3/4	873.19	3/4	511.45	3/4	154.48	3/4		3/4					3/4
4	1,934.55	4	1,572.79	4	1,212.52	4	865.66	4	503.91	4	146.95	4		4					4
1/4	1,927.01	1/4	1,565.25	1/4	1,205.33	1/4	858.12	1/4	496.37	1/4	139.43	1/4		1/4					1/4
1/2	1,919.48	1/2	1,557.71	1/2	1,198.14	1/2	850.58	1/2	488.84	1/2	131.91	1/2		1/2					1/2
3/4	1,911.94	3/4	1,550.18	3/4	1,190.94	3/4	843.05	3/4	481.30	3/4	124.39	3/4		3/4					3/4
5	1,904.40	5	1,542.64	5	1,183.75	5	835.51	5	473.76	5	116.87	5		5					5
1/4	1,896.87	1/4	1,535.10	1/4	1,176.56	1/4	827.97	1/4	466.23	1/4	109.43	1/4		1/4					1/4
1/2	1,889.33	1/2	1,527.57	1/2	1,169.36	1/2	820.44	1/2	458.69	1/2	101.98	1/2		1/2					1/2
3/4	1,881.79	3/4	1,520.03	3/4	1,162.17	3/4	812.90	3/4	451.15	3/4	94.54	3/4		3/4					3/4
6	1,874.26	6	1,512.49	6	1,154.98	6	805.36	6	443.62	6	87.10	6		6					6
1/4	1,866.72	1/4	1,504.96	1/4	1,147.78	1/4	797.83	1/4	436.10	1/4	80.36	1/4		1/4					1/4
1/2	1,859.18	1/2	1,497.42	1/2	1,140.59	1/2	790.29	1/2	428.58	1/2	73.62	1/2		1/2					1/2
3/4	1,851.65	3/4	1,489.88	3/4	1,133.40	3/4	782.76	3/4	421.07	3/4	66.89	3/4		3/4					3/4
7	1,844.11	7	1,482.35	7	1,126.20	7	775.22	7	413.55	7	60.15	7		7					7
1/4	1,836.57	1/4	1,474.81	1/4	1,119.01	1/4	767.68	1/4	406.16	1/4	54.67	1/4		1/4					1/4
1/2	1,829.04	1/2	1,467.27	1/2	1,111.82	1/2	760.15	1/2	398.77	1/2	49.19	1/2		1/2					1/2
3/4	1,821.50	3/4	1,459.74	3/4	1,104.62	3/4	752.61	3/4	391.38	3/4	43.71	3/4		3/4					3/4
8	1,813.96	8	1,452.20	8	1,097.43	8	745.07	8	383.99	8	38.23	8		8					8
1/4	1,806.43	1/4	1,444.66	1/4	1,090.24	1/4	737.54	1/4	376.60	1/4	34.01	1/4		1/4					1/4
1/2	1,798.89	1/2	1,437.13	1/2	1,083.04	1/2	730.00	1/2	369.22	1/2	29.78	1/2		1/2					1/2
3/4	1,791.35	3/4	1,429.59	3/4	1,075.85	3/4	722.46	3/4	361.83	3/4	25.56	3/4		3/4					3/4
9	1,783.82	9	1,422.05	9	1,068.66	9	714.93	9	354.44	9	21.33	9		9					9
1/4	1,776.28	1/4	1,414.52	1/4	1,061.46	1/4	707.39	1/4	347.05	1/4		1/4		1/4					1/4
1/2	1,768.74	1/2	1,406.98	1/2	1,054.27	1/2	699.86	1/2	339.66	1/2		1/2		1/2					1/2
3/4	1,761.21	3/4	1,399.44	3/4	1,047.08	3/4	692.32	3/4	332.27	3/4		3/4		3/4					3/4
10	1,753.67	10	1,391.91	10	1,039.88	10	684.78	10	324.88	10		10		10					10
1/4	1,746.13	1/4	1,384.37	1/4	1,032.69	1/4	677.25	1/4	317.49	1/4		1/4		1/4					1/4
1/2	1,738.60	1/2	1,376.83	1/2	1,025.50	1/2	669.71	1/2	310.11	1/2		1/2		1/2					1/2
3/4	1,731.06	3/4	1,369.30	3/4	1,018.30	3/4	662.17	3/4	302.72	3/4		3/4		3/4					3/4
11	1,723.52	11	1,361.76	11	1,011.11	11	654.64	11	295.33	11		11		11					11
1/4	1,715.99	1/4	1,354.22	1/4	1,003.92	1/4	647.10	1/4	287.94	1/4		1/4		1/4					1/4
1/2	1,708.45	1/2	1,346.69	1/2	996.72	1/2	639.56	1/2	280.55	1/2		1/2		1/2					1/2
3/4	1,700.91	3/4	1,339.15	3/4	989.53	3/4	632.03	3/4	273.16	3/4		3/4		3/4					3/4

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BARGE "DBL 309"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	4,245.07	0	4,079.08	0	3,894.42	0	3,700.28	0	3,504.40	0	3,145.77	0	2,785.88	0	2,425.34
1/4	1/4		1/4	1/4	4,241.79	1/4	4,075.41	1/4	3,890.38	1/4	3,696.23	1/4	3,496.92	1/4	3,138.27	1/4	2,778.37	1/4	2,417.83
1/2	1/2		1/2	1/2	4,238.51	1/2	4,071.74	1/2	3,886.34	1/2	3,692.19	1/2	3,489.44	1/2	3,130.78	1/2	2,770.86	1/2	2,410.32
3/4	3/4		3/4	3/4	4,235.23	3/4	4,068.07	3/4	3,882.30	3/4	3,688.14	3/4	3,481.96	3/4	3,123.28	3/4	2,763.34	3/4	2,402.81
1	1	4,398.24	1	4,231.95	1	4,064.40	1	3,878.26	1	3,684.10	1	3,474.48	1	3,115.78	1	2,755.83	1	2,395.29	
1/4	1/4	4,396.58	1/4	4,228.64	1/4	4,060.69	1/4	3,874.22	1/4	3,680.05	1/4	3,467.00	1/4	3,108.28	1/4	2,748.32	1/4	2,387.78	
1/2	1/2	4,394.93	1/2	4,225.33	1/2	4,056.99	1/2	3,870.17	1/2	3,676.01	1/2	3,459.52	1/2	3,100.79	1/2	2,740.81	1/2	2,380.27	
3/4	3/4	4,393.27	3/4	4,222.02	3/4	4,053.28	3/4	3,866.13	3/4	3,671.96	3/4	3,452.04	3/4	3,093.29	3/4	2,733.30	3/4	2,372.76	
2	2	4,391.61	2	4,218.70	2	4,049.58	2	3,862.08	2	3,667.92	2	3,444.56	2	3,085.79	2	2,725.79	2	2,365.25	
1/4	1/4	4,388.73	1/4	4,215.36	1/4	4,045.84	1/4	3,858.04	1/4	3,663.87	1/4	3,437.09	1/4	3,078.29	1/4	2,718.28	1/4	2,357.74	
1/2	1/2	4,385.86	1/2	4,212.02	1/2	4,042.10	1/2	3,853.99	1/2	3,659.83	1/2	3,429.61	1/2	3,070.80	1/2	2,710.77	1/2	2,350.22	
3/4	3/4	4,382.98	3/4	4,208.68	3/4	4,038.37	3/4	3,849.95	3/4	3,655.78	3/4	3,422.13	3/4	3,063.30	3/4	2,703.26	3/4	2,342.71	
3	3	4,380.10	3	4,205.34	3	4,034.63	3	3,845.90	3	3,651.74	3	3,414.65	3	3,055.80	3	2,695.75	3	2,335.20	
1/4	1/4	4,376.24	1/4	4,201.97	1/4	4,030.86	1/4	3,841.86	1/4	3,647.69	1/4	3,407.17	1/4	3,048.30	1/4	2,688.24	1/4	2,327.69	
1/2	1/2	4,372.38	1/2	4,198.60	1/2	4,027.09	1/2	3,837.81	1/2	3,643.65	1/2	3,399.69	1/2	3,040.80	1/2	2,680.73	1/2	2,320.18	
3/4	3/4	4,368.53	3/4	4,195.23	3/4	4,023.32	3/4	3,833.77	3/4	3,639.60	3/4	3,392.21	3/4	3,033.31	3/4	2,673.22	3/4	2,312.67	
4	4	4,364.67	4	4,191.85	4	4,019.56	4	3,829.72	4	3,635.56	4	3,384.73	4	3,025.81	4	2,665.71	4	2,305.15	
1/4	1/4	4,360.68	1/4	4,188.45	1/4	4,015.76	1/4	3,825.68	1/4	3,631.51	1/4	3,377.25	1/4	3,018.31	1/4	2,658.20	1/4	2,297.64	
1/2	1/2	4,356.69	1/2	4,185.04	1/2	4,011.96	1/2	3,821.63	1/2	3,627.47	1/2	3,369.77	1/2	3,010.81	1/2	2,650.69	1/2	2,290.13	
3/4	3/4	4,352.69	3/4	4,181.64	3/4	4,008.16	3/4	3,817.59	3/4	3,623.42	3/4	3,362.30	3/4	3,003.32	3/4	2,643.18	3/4	2,282.62	
5	5	4,348.70	5	4,178.23	5	4,004.36	5	3,813.54	5	3,619.38	5	3,354.82	5	2,995.82	5	2,635.67	5	2,275.11	
1/4	1/4	4,344.71	1/4	4,174.79	1/4	4,000.53	1/4	3,809.50	1/4	3,615.33	1/4	3,347.34	1/4	2,988.32	1/4	2,628.16	1/4	2,267.59	
1/2	1/2	4,340.72	1/2	4,171.35	1/2	3,996.70	1/2	3,805.45	1/2	3,611.29	1/2	3,339.86	1/2	2,980.82	1/2	2,620.65	1/2	2,260.08	
3/4	3/4	4,336.73	3/4	4,167.92	3/4	3,992.87	3/4	3,801.41	3/4	3,607.24	3/4	3,332.39	3/4	2,973.33	3/4	2,613.14	3/4	2,252.57	
6	6	4,332.73	6	4,164.48	6	3,989.03	6	3,797.36	6	3,603.20	6	3,324.91	6	2,965.83	6	2,605.63	6	2,245.06	
1/4	1/4	4,328.74	1/4	4,161.01	1/4	3,985.17	1/4	3,793.31	1/4	3,599.15	1/4	3,317.44	1/4	2,958.33	1/4	2,598.11	1/4	2,237.55	
1/2	1/2	4,324.75	1/2	4,157.54	1/2	3,981.30	1/2	3,789.27	1/2	3,595.11	1/2	3,309.98	1/2	2,950.83	1/2	2,590.60	1/2	2,230.04	
3/4	3/4	4,320.76	3/4	4,154.07	3/4	3,977.44	3/4	3,785.22	3/4	3,591.06	3/4	3,302.52	3/4	2,943.34	3/4	2,583.09	3/4	2,222.52	
7	7	4,316.77	7	4,150.60	7	3,973.57	7	3,781.18	7	3,587.01	7	3,295.05	7	2,935.84	7	2,575.58	7	2,215.01	
1/4	1/4	4,312.77	1/4	4,147.10	1/4	3,969.68	1/4	3,777.13	1/4	3,582.97	1/4	3,287.59	1/4	2,928.34	1/4	2,568.07	1/4	2,207.50	
1/2	1/2	4,308.78	1/2	4,143.60	1/2	3,965.78	1/2	3,773.09	1/2	3,578.92	1/2	3,280.13	1/2	2,920.84	1/2	2,560.55	1/2	2,199.99	
3/4	3/4	4,304.79	3/4	4,140.10	3/4	3,961.89	3/4	3,769.04	3/4	3,574.88	3/4	3,272.66	3/4	2,913.35	3/4	2,553.04	3/4	2,192.48	
8	8	4,300.80	8	4,136.60	8	3,957.99	8	3,765.00	8	3,570.83	8	3,265.20	8	2,905.85	8	2,545.53	8	2,184.96	
1/4	1/4	4,296.86	1/4	4,133.05	1/4	3,954.07	1/4	3,760.95	1/4	3,566.79	1/4	3,257.74	1/4	2,898.35	1/4	2,538.02	1/4	2,177.45	
1/2	1/2	4,292.92	1/2	4,129.51	1/2	3,950.14	1/2	3,756.91	1/2	3,562.74	1/2	3,250.28	1/2	2,890.85	1/2	2,530.51	1/2	2,169.94	
3/4	3/4	4,288.98	3/4	4,125.96	3/4	3,946.21	3/4	3,752.86	3/4	3,558.70	3/4	3,242.81	3/4	2,883.36	3/4	2,523.00	3/4	2,162.43	
9	9	4,285.04	9	4,122.41	9	3,942.29	9	3,748.82	9	3,554.65	9	3,235.35	9	2,875.86	9	2,515.48	9	2,154.92	
1/4	1/4	4,281.51	1/4	4,118.83	1/4	3,938.33	1/4	3,744.77	1/4	3,550.61	1/4	3,227.89	1/4	2,868.36	1/4	2,507.97	1/4	2,147.41	
1/2	1/2	4,277.98	1/2	4,115.25	1/2	3,934.38	1/2	3,740.73	1/2	3,546.56	1/2	3,220.42	1/2	2,860.86	1/2	2,500.46	1/2	2,139.89	
3/4	3/4	4,274.45	3/4	4,111.67	3/4	3,930.42	3/4	3,736.68	3/4	3,542.52	3/4	3,212.96	3/4	2,853.36	3/4	2,492.95	3/4	2,132.38	
10	10	4,270.92	10	4,108.09	10	3,926.47	10	3,732.64	10	3,538.47	10	3,205.50	10	2,845.87	10	2,485.44	10	2,124.87	
1/4	1/4	4,267.71	1/4	4,104.48	1/4	3,922.48	1/4	3,728.59	1/4	3,534.43	1/4	3,198.03	1/4	2,838.37	1/4	2,477.92	1/4	2,117.36	
1/2	1/2	4,264.50	1/2	4,100.87	1/2	3,918.49	1/2	3,724.55	1/2	3,530.38	1/2	3,190.57	1/2	2,830.87	1/2	2,470.41	1/2	2,109.85	
3/4	3/4	4,261.28	3/4	4,097.26	3/4	3,914.50	3/4	3,720.50	3/4	3,526.34	3/4	3,183.11	3/4	2,823.37	3/4	2,462.90	3/4	2,102.33	
11	11	4,258.07	11	4,093.64	11	3,910.51	11	3,716.46	11	3,522.29	11	3,175.64	11	2,815.88	11	2,455.39	11	2,094.82	
1/4	1/4	4,254.82	1/4	4,090.00	1/4	3,906.49	1/4	3,712.41	1/4	3,517.82	1/4	3,168.17	1/4	2,808.38	1/4	2,447.88	1/4	2,087.31	
1/2	1/2	4,251.57	1/2	4,086.36	1/2	3,902.46	1/2	3,708.37	1/2	3,513.35	1/2	3,160.71	1/2	2,800.88	1/2	2,440.37	1/2	2,079.80	
3/4	3/4	4,248.32	3/4	4,082.72	3/4	3,898.44	3/4	3,704.32	3/4	3,508.87	3/4	3,153.24	3/4	2,793.38	3/4	2,432.85	3/4	2,072.29	

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 55'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "DBL 309"

3 PORT ULLAGE TABLE

GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,064.78	0	1,704.13	0	1,343.48	0	983.11	0	622.57	0	264.96	0		0					
1/4	2,057.26	1/4	1,696.62	1/4	1,335.97	1/4	975.61	1/4	615.05	1/4	257.59	1/4		1/4					
1/2	2,049.75	1/2	1,689.11	1/2	1,328.45	1/2	968.10	1/2	607.54	1/2	250.23	1/2		1/2					
3/4	2,042.24	3/4	1,681.59	3/4	1,320.94	3/4	960.60	3/4	600.03	3/4	242.86	3/4		3/4					
1	2,034.73	1	1,674.08	1	1,313.43	1	953.09	1	592.51	1	235.50	1		1					
1/4	2,027.22	1/4	1,666.56	1/4	1,305.91	1/4	945.59	1/4	585.00	1/4	228.13	1/4		1/4					
1/2	2,019.70	1/2	1,659.05	1/2	1,298.40	1/2	938.08	1/2	577.49	1/2	220.77	1/2		1/2					
3/4	2,012.19	3/4	1,651.54	3/4	1,290.88	3/4	930.58	3/4	569.97	3/4	213.40	3/4		3/4					
2	2,004.68	2	1,644.02	2	1,283.37	2	923.07	2	562.46	2	206.04	2		2					
1/4	1,997.16	1/4	1,636.51	1/4	1,275.86	1/4	915.57	1/4	554.95	1/4	198.65	1/4		1/4					
1/2	1,989.65	1/2	1,629.00	1/2	1,268.34	1/2	908.06	1/2	547.43	1/2	191.27	1/2		1/2					
3/4	1,982.14	3/4	1,621.48	3/4	1,260.83	3/4	900.55	3/4	539.92	3/4	183.89	3/4		3/4					
3	1,974.62	3	1,613.97	3	1,253.32	3	893.05	3	532.41	3	176.51	3		3					
1/4	1,967.11	1/4	1,606.46	1/4	1,245.80	1/4	885.53	1/4	524.89	1/4	169.01	1/4		1/4					
1/2	1,959.59	1/2	1,598.94	1/2	1,238.29	1/2	878.02	1/2	517.38	1/2	161.51	1/2		1/2					
3/4	1,952.08	3/4	1,591.43	3/4	1,230.78	3/4	870.51	3/4	509.87	3/4	154.01	3/4		3/4					
4	1,944.57	4	1,583.91	4	1,223.26	4	862.99	4	502.35	4	146.51	4		4					
1/4	1,937.05	1/4	1,576.40	1/4	1,215.75	1/4	855.48	1/4	494.84	1/4	139.02	1/4		1/4					
1/2	1,929.54	1/2	1,568.89	1/2	1,208.24	1/2	847.97	1/2	487.33	1/2	131.52	1/2		1/2					
3/4	1,922.03	3/4	1,561.37	3/4	1,200.73	3/4	840.45	3/4	479.81	3/4	124.02	3/4		3/4					
5	1,914.51	5	1,553.86	5	1,193.22	5	832.94	5	472.30	5	116.52	5		5					
1/4	1,907.00	1/4	1,546.35	1/4	1,185.72	1/4	825.43	1/4	464.79	1/4	109.10	1/4		1/4					
1/2	1,899.49	1/2	1,538.83	1/2	1,178.22	1/2	817.91	1/2	457.27	1/2	101.68	1/2		1/2					
3/4	1,891.97	3/4	1,531.32	3/4	1,170.71	3/4	810.40	3/4	449.76	3/4	94.26	3/4		3/4					
6	1,884.46	6	1,523.81	6	1,163.21	6	802.89	6	442.25	6	86.84	6		6					
1/4	1,876.95	1/4	1,516.29	1/4	1,155.70	1/4	795.37	1/4	434.75	1/4	80.12	1/4		1/4					
1/2	1,869.43	1/2	1,508.78	1/2	1,148.20	1/2	787.86	1/2	427.26	1/2	73.41	1/2		1/2					
3/4	1,861.92	3/4	1,501.27	3/4	1,140.70	3/4	780.35	3/4	419.76	3/4	66.69	3/4		3/4					
7	1,854.40	7	1,493.75	7	1,133.19	7	772.83	7	412.27	7	59.98	7		7					
1/4	1,846.89	1/4	1,486.24	1/4	1,125.69	1/4	765.32	1/4	404.90	1/4	54.51	1/4		1/4					
1/2	1,839.38	1/2	1,478.72	1/2	1,118.18	1/2	757.81	1/2	397.54	1/2	49.05	1/2		1/2					
3/4	1,831.86	3/4	1,471.21	3/4	1,110.68	3/4	750.29	3/4	390.17	3/4	43.59	3/4		3/4					
8	1,824.35	8	1,463.70	8	1,103.17	8	742.78	8	382.81	8	38.13	8		8					
1/4	1,816.84	1/4	1,456.18	1/4	1,095.67	1/4	735.27	1/4	375.44	1/4	33.91	1/4		1/4					
1/2	1,809.32	1/2	1,448.67	1/2	1,088.17	1/2	727.75	1/2	368.08	1/2	29.70	1/2		1/2					
3/4	1,801.81	3/4	1,441.16	3/4	1,080.66	3/4	720.24	3/4	360.71	3/4	25.49	3/4		3/4					
9	1,794.30	9	1,433.64	9	1,073.16	9	712.73	9	353.34	9	21.28	9		9					
1/4	1,786.78	1/4	1,426.13	1/4	1,065.65	1/4	705.21	1/4	345.98	1/4		1/4		1/4					
1/2	1,779.27	1/2	1,418.62	1/2	1,058.15	1/2	697.70	1/2	338.61	1/2		1/2		1/2					
3/4	1,771.75	3/4	1,411.10	3/4	1,050.65	3/4	690.19	3/4	331.25	3/4		3/4		3/4					
10	1,764.24	10	1,403.59	10	1,043.14	10	682.67	10	323.88	10		10		10					
1/4	1,756.73	1/4	1,396.07	1/4	1,035.64	1/4	675.16	1/4	316.52	1/4		1/4		1/4					
1/2	1,749.21	1/2	1,388.56	1/2	1,028.13	1/2	667.65	1/2	309.15	1/2		1/2		1/2					
3/4	1,741.70	3/4	1,381.05	3/4	1,020.63	3/4	660.13	3/4	301.79	3/4		3/4		3/4					
11	1,734.19	11	1,373.53	11	1,013.13	11	652.62	11	294.42	11		11		11					
1/4	1,726.67	1/4	1,366.02	1/4	1,005.62	1/4	645.11	1/4	287.06	1/4		1/4		1/4					
1/2	1,719.16	1/2	1,358.51	1/2	998.12	1/2	637.59	1/2	279.69	1/2		1/2		1/2					
3/4	1,711.65	3/4	1,350.99	3/4	990.61	3/4	630.08	3/4	272.33	3/4		3/4		3/4					

STRAPPED: 04/15/2019 SW JS
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PRINTED: 04/17/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "DBL 309"

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		0	4,207.99	0	4,042.49	0	3,858.36	0	3,665.12	0	3,466.72	0	3,109.16	0	2,750.52	0	2,392.76
1/4		1/4		1/4	4,204.72	1/4	4,038.83	1/4	3,854.34	1/4	3,661.10	1/4	3,459.27	1/4	3,101.68	1/4	2,743.05	1/4	2,385.27
1/2		1/2		1/2	4,201.46	1/2	4,035.18	1/2	3,850.32	1/2	3,657.07	1/2	3,451.81	1/2	3,094.21	1/2	2,735.57	1/2	2,377.78
3/4		3/4		3/4	4,363.60	3/4	4,198.20	3/4	4,031.53	3/4	3,846.30	3/4	3,653.04	3/4	3,444.35	3/4	3,086.73	3/4	2,728.10
1		1		1	4,361.96	1	4,194.90	1	4,027.84	1	3,842.27	1	3,649.02	1	3,436.90	1	3,079.26	1	2,720.71
1/4		1/4		1/4	4,360.32	1/4	4,191.61	1/4	4,024.16	1/4	3,838.24	1/4	3,644.99	1/4	3,429.44	1/4	3,071.78	1/4	2,713.33
1/2		1/2		1/2	4,358.68	1/2	4,188.32	1/2	4,020.47	1/2	3,834.22	1/2	3,640.96	1/2	3,421.98	1/2	3,064.31	1/2	2,705.95
3/4		3/4		3/4	4,357.04	3/4	4,185.02	3/4	4,016.79	3/4	3,830.19	3/4	3,636.94	3/4	3,414.53	3/4	3,056.84	3/4	2,698.57
2		2		2	4,354.18	2	4,181.70	2	4,013.07	2	3,826.17	2	3,632.91	2	3,407.07	2	3,049.37	2	2,691.19
1/4		1/4		1/4	4,351.32	1/4	4,178.38	1/4	4,009.35	1/4	3,822.14	1/4	3,628.89	1/4	3,399.62	1/4	3,041.90	1/4	2,683.81
1/2		1/2		1/2	4,348.46	1/2	4,175.06	1/2	4,005.63	1/2	3,818.11	1/2	3,624.86	1/2	3,392.16	1/2	3,034.43	1/2	2,676.43
3/4		3/4		3/4	4,345.60	3/4	4,171.73	3/4	4,001.91	3/4	3,814.09	3/4	3,620.83	3/4	3,384.70	3/4	3,026.97	3/4	2,669.04
3		3		3	4,341.76	3	4,168.38	3	3,998.16	3	3,810.06	3	3,616.81	3	3,377.25	3	3,019.50	3	2,661.66
1/4		1/4		1/4	4,337.92	1/4	4,165.03	1/4	3,994.41	1/4	3,806.03	1/4	3,612.78	1/4	3,369.79	1/4	3,012.03	1/4	2,654.28
1/2		1/2		1/2	4,334.08	1/2	4,161.67	1/2	3,990.66	1/2	3,802.01	1/2	3,608.76	1/2	3,362.33	1/2	3,004.56	1/2	2,646.90
3/4		3/4		3/4	4,330.25	3/4	4,158.32	3/4	3,986.91	3/4	3,797.98	3/4	3,604.73	3/4	3,354.88	3/4	2,997.09	3/4	2,639.52
4		4		4	4,326.27	4	4,154.93	4	3,983.13	4	3,793.96	4	3,600.70	4	3,347.42	4	2,989.63	4	2,632.12
1/4		1/4		1/4	4,322.30	1/4	4,151.54	1/4	3,979.35	1/4	3,789.93	1/4	3,596.68	1/4	3,339.96	1/4	2,982.16	1/4	2,624.73
1/2		1/2		1/2	4,318.33	1/2	4,148.16	1/2	3,975.57	1/2	3,785.90	1/2	3,592.65	1/2	3,332.51	1/2	2,974.69	1/2	2,617.33
3/4		3/4		3/4	4,314.35	3/4	4,144.77	3/4	3,971.79	3/4	3,781.88	3/4	3,588.63	3/4	3,325.05	3/4	2,967.22	3/4	2,609.94
5		5		5	4,310.38	5	4,141.35	5	3,967.98	5	3,777.85	5	3,584.60	5	3,317.60	5	2,959.76	5	2,602.45
1/4		1/4		1/4	4,306.41	1/4	4,137.93	1/4	3,964.17	1/4	3,773.83	1/4	3,580.57	1/4	3,310.14	1/4	2,952.29	1/4	2,594.96
1/2		1/2		1/2	4,302.43	1/2	4,134.51	1/2	3,960.35	1/2	3,769.80	1/2	3,576.55	1/2	3,302.69	1/2	2,944.82	1/2	2,587.48
3/4		3/4		3/4	4,298.46	3/4	4,131.09	3/4	3,956.54	3/4	3,765.77	3/4	3,572.52	3/4	3,295.23	3/4	2,937.35	3/4	2,579.99
6		6		6	4,294.49	6	4,127.64	6	3,952.69	6	3,761.75	6	3,568.49	6	3,287.79	6	2,929.89	6	2,572.50
1/4		1/4		1/4	4,290.51	1/4	4,124.19	1/4	3,948.85	1/4	3,757.72	1/4	3,564.47	1/4	3,280.35	1/4	2,922.42	1/4	2,565.01
1/2		1/2		1/2	4,286.54	1/2	4,120.74	1/2	3,945.00	1/2	3,753.70	1/2	3,560.44	1/2	3,272.91	1/2	2,914.95	1/2	2,557.52
3/4		3/4		3/4	4,282.57	3/4	4,117.29	3/4	3,941.15	3/4	3,749.67	3/4	3,556.42	3/4	3,265.47	3/4	2,907.48	3/4	2,550.03
7		7		7	4,278.59	7	4,113.81	7	3,937.28	7	3,745.64	7	3,552.39	7	3,258.03	7	2,900.02	7	2,542.54
1/4		1/4		1/4	4,274.62	1/4	4,110.32	1/4	3,933.40	1/4	3,741.62	1/4	3,548.36	1/4	3,250.59	1/4	2,892.55	1/4	2,535.05
1/2		1/2		1/2	4,270.65	1/2	4,106.84	1/2	3,929.52	1/2	3,737.59	1/2	3,544.34	1/2	3,243.15	1/2	2,885.08	1/2	2,527.56
3/4		3/4		3/4	4,266.68	3/4	4,103.36	3/4	3,925.65	3/4	3,733.56	3/4	3,540.31	3/4	3,235.70	3/4	2,877.61	3/4	2,520.08
8		8		8	4,262.75	8	4,099.83	8	3,921.74	8	3,729.54	8	3,536.29	8	3,228.26	8	2,870.13	8	2,512.59
1/4		1/4		1/4	4,258.83	1/4	4,096.30	1/4	3,917.83	1/4	3,725.51	1/4	3,532.26	1/4	3,220.82	1/4	2,862.66	1/4	2,505.10
1/2		1/2		1/2	4,254.91	1/2	4,092.77	1/2	3,913.93	1/2	3,721.49	1/2	3,528.23	1/2	3,213.38	1/2	2,855.18	1/2	2,497.61
3/4		3/4		3/4	4,250.99	3/4	4,089.24	3/4	3,910.02	3/4	3,717.46	3/4	3,524.21	3/4	3,205.94	3/4	2,847.71	3/4	2,490.12
9		9		9	4,247.48	9	4,085.68	9	3,906.08	9	3,713.43	9	3,520.18	9	3,198.50	9	2,840.23	9	2,482.63
1/4		1/4		1/4	4,243.97	1/4	4,082.12	1/4	3,902.15	1/4	3,709.41	1/4	3,516.16	1/4	3,191.06	1/4	2,832.76	1/4	2,475.14
1/2		1/2		1/2	4,240.46	1/2	4,078.56	1/2	3,898.21	1/2	3,705.38	1/2	3,512.13	1/2	3,183.62	1/2	2,825.28	1/2	2,467.65
3/4		3/4		3/4	4,236.95	3/4	4,075.00	3/4	3,894.27	3/4	3,701.36	3/4	3,508.10	3/4	3,176.18	3/4	2,817.81	3/4	2,460.16
10		10		10	4,233.76	10	4,071.40	10	3,890.30	10	3,697.33	10	3,504.08	10	3,168.74	10	2,810.33	10	2,452.67
1/4		1/4		1/4	4,230.56	1/4	4,067.81	1/4	3,886.33	1/4	3,693.30	1/4	3,500.05	1/4	3,161.30	1/4	2,802.86	1/4	2,445.18
1/2		1/2		1/2	4,227.36	1/2	4,064.22	1/2	3,882.36	1/2	3,689.28	1/2	3,496.02	1/2	3,153.85	1/2	2,795.38	1/2	2,437.69
3/4		3/4		3/4	4,224.17	3/4	4,060.63	3/4	3,878.39	3/4	3,685.25	3/4	3,492.00	3/4	3,146.41	3/4	2,787.91	3/4	2,430.20
11		11		11	4,220.94	11	4,057.01	11	3,874.39	11	3,681.23	11	3,487.54	11	3,138.97	11	2,780.43	11	2,422.71
1/4		1/4		1/4	4,217.71	1/4	4,053.38	1/4	3,870.38	1/4	3,677.20	1/4	3,483.09	1/4	3,131.52	1/4	2,772.95	1/4	2,415.22
1/2		1/2		1/2	4,214.48	1/2	4,049.76	1/2	3,866.38	1/2	3,673.17	1/2	3,478.63	1/2	3,124.08	1/2	2,765.48	1/2	2,407.74
3/4		3/4		3/4	4,211.25	3/4	4,046.14	3/4	3,862.38	3/4	3,669.15	3/4	3,474.18	3/4	3,116.63	3/4	2,758.00	3/4	2,400.25

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "DBL 309"

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	2,033.27	0	1,673.70	0	1,315.46	0	965.93	0	613.43	0	256.93	0		0					
1/4	2,025.78	1/4	1,666.21	1/4	1,308.03	1/4	958.78	1/4	605.93	1/4	249.59	1/4		1/4					0
1/2	2,018.29	1/2	1,658.72	1/2	1,300.60	1/2	951.62	1/2	598.44	1/2	242.24	1/2		1/2					1/2
3/4	2,010.80	3/4	1,651.23	3/4	1,293.17	3/4	944.47	3/4	590.95	3/4	234.90	3/4		3/4					3/4
1	2,003.31	1	1,643.74	1	1,285.74	1	937.31	1	583.45	1	227.55	1		1					1
1/4	1,995.82	1/4	1,636.25	1/4	1,278.31	1/4	930.16	1/4	575.96	1/4	220.20	1/4		1/4					1/4
1/2	1,988.33	1/2	1,628.76	1/2	1,270.88	1/2	923.00	1/2	568.47	1/2	212.86	1/2		1/2					1/2
3/4	1,980.84	3/4	1,621.27	3/4	1,263.45	3/4	915.84	3/4	560.97	3/4	205.51	3/4		3/4					3/4
2	1,973.35	2	1,613.78	2	1,256.03	2	908.68	2	553.48	2	198.15	2		2					2
1/4	1,965.86	1/4	1,606.28	1/4	1,248.60	1/4	901.52	1/4	545.99	1/4	190.79	1/4		1/4					1/4
1/2	1,958.37	1/2	1,598.79	1/2	1,241.17	1/2	894.36	1/2	538.50	1/2	183.43	1/2		1/2					1/2
3/4	1,950.88	3/4	1,591.30	3/4	1,233.75	3/4	887.20	3/4	531.00	3/4	176.07	3/4		3/4					3/4
3	1,943.38	3	1,583.81	3	1,226.33	3	880.02	3	523.51	3	168.59	3		3					3
1/4	1,935.89	1/4	1,576.32	1/4	1,218.92	1/4	872.84	1/4	516.02	1/4	161.11	1/4		1/4					1/4
1/2	1,928.40	1/2	1,568.83	1/2	1,211.51	1/2	865.65	1/2	508.52	1/2	153.63	1/2		1/2					1/2
3/4	1,920.91	3/4	1,561.34	3/4	1,204.10	3/4	858.47	3/4	501.03	3/4	146.15	3/4		3/4					3/4
4	1,913.42	4	1,553.85	4	1,196.68	4	851.29	4	493.54	4	138.67	4		4					4
1/4	1,905.93	1/4	1,546.36	1/4	1,189.27	1/4	844.10	1/4	486.04	1/4	131.18	1/4		1/4					1/4
1/2	1,898.44	1/2	1,538.86	1/2	1,181.85	1/2	836.92	1/2	478.55	1/2	123.70	1/2		1/2					1/2
3/4	1,890.95	3/4	1,531.37	3/4	1,174.44	3/4	829.73	3/4	471.06	3/4	116.22	3/4		3/4					3/4
5	1,883.46	5	1,523.88	5	1,167.04	5	822.49	5	463.56	5	108.82	5		5					5
1/4	1,875.96	1/4	1,516.39	1/4	1,159.63	1/4	815.24	1/4	456.07	1/4	101.42	1/4		1/4					1/4
1/2	1,868.47	1/2	1,508.90	1/2	1,152.23	1/2	808.00	1/2	448.58	1/2	94.02	1/2		1/2					1/2
3/4	1,860.98	3/4	1,501.41	3/4	1,144.83	3/4	800.75	3/4	441.08	3/4	86.62	3/4		3/4					3/4
6	1,853.49	6	1,493.93	6	1,137.67	6	793.26	6	433.61	6	79.93	6		6					6
1/4	1,846.00	1/4	1,486.44	1/4	1,130.52	1/4	785.77	1/4	426.14	1/4	73.24	1/4		1/4					1/4
1/2	1,838.51	1/2	1,478.96	1/2	1,123.36	1/2	778.27	1/2	418.66	1/2	66.56	1/2		1/2					1/2
3/4	1,831.02	3/4	1,471.48	3/4	1,116.20	3/4	770.78	3/4	411.19	3/4	59.87	3/4		3/4					3/4
7	1,823.53	7	1,464.05	7	1,109.05	7	763.29	7	403.84	7	54.42	7		7					7
1/4	1,816.04	1/4	1,456.62	1/4	1,101.89	1/4	755.79	1/4	396.50	1/4	48.97	1/4		1/4					1/4
1/2	1,808.54	1/2	1,449.19	1/2	1,094.74	1/2	748.30	1/2	389.15	1/2	43.53	1/2		1/2					1/2
3/4	1,801.05	3/4	1,441.76	3/4	1,087.58	3/4	740.81	3/4	381.81	3/4	38.08	3/4		3/4					3/4
8	1,793.56	8	1,434.33	8	1,080.43	8	733.32	8	374.46	8	33.87	8		8					8
1/4	1,786.07	1/4	1,426.90	1/4	1,073.27	1/4	725.82	1/4	367.11	1/4	29.66	1/4		1/4					1/4
1/2	1,778.58	1/2	1,419.47	1/2	1,066.11	1/2	718.33	1/2	359.77	1/2	25.46	1/2		1/2					1/2
3/4	1,771.09	3/4	1,412.04	3/4	1,058.96	3/4	710.84	3/4	352.42	3/4	21.25	3/4		3/4					3/4
9	1,763.60	9	1,404.61	9	1,051.80	9	703.34	9	345.08	9		9		9					9
1/4	1,756.11	1/4	1,397.18	1/4	1,044.65	1/4	695.85	1/4	337.73	1/4		1/4		1/4					1/4
1/2	1,748.62	1/2	1,389.75	1/2	1,037.49	1/2	688.36	1/2	330.39	1/2		1/2		1/2					1/2
3/4	1,741.12	3/4	1,382.32	3/4	1,030.34	3/4	680.86	3/4	323.04	3/4		3/4		3/4					3/4
10	1,733.63	10	1,374.89	10	1,023.18	10	673.37	10	315.70	10		10		10					10
1/4	1,726.14	1/4	1,367.46	1/4	1,016.02	1/4	665.88	1/4	308.35	1/4		1/4		1/4					1/4
1/2	1,718.65	1/2	1,360.04	1/2	1,008.87	1/2	658.38	1/2	301.01	1/2		1/2		1/2					1/2
3/4	1,711.16	3/4	1,352.61	3/4	1,001.71	3/4	650.89	3/4	293.66	3/4		3/4		3/4					3/4
11	1,703.67	11	1,345.18	11	994.56	11	643.40	11	286.31	11		11		11					11
1/4	1,696.18	1/4	1,337.75	1/4	987.40	1/4	635.91	1/4	278.97	1/4		1/4		1/4					1/4
1/2	1,688.69	1/2	1,330.32	1/2	980.25	1/2	628.41	1/2	271.62	1/2		1/2		1/2					1/2
3/4	1,681.20	3/4	1,322.89	3/4	973.09	3/4	620.92	3/4	264.28	3/4		3/4		3/4					3/4

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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

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