



BARGE "DBL 309"

INNAGE 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 INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

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 INNAGE 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	21.43	0	356.05	0	718.16	0	1,081.30	0	1,444.43	0	1,807.82	0	2,171.20	0	2,534.58	0	2,897.88	0	3,261.13
1/4	25.68	1/4	363.47	1/4	725.73	1/4	1,088.86	1/4	1,452.00	1/4	1,815.39	1/4	2,178.77	1/4	2,542.15	1/4	2,905.44	1/4	3,268.69
1/2	29.92	1/2	370.89	1/2	733.30	1/2	1,096.41	1/2	1,459.57	1/2	1,822.96	1/2	2,186.34	1/2	2,549.72	1/2	2,913.01	1/2	3,276.26
3/4	34.16	3/4	378.31	3/4	740.87	3/4	1,103.97	3/4	1,467.14	3/4	1,830.53	3/4	2,193.91	3/4	2,557.29	3/4	2,920.58	3/4	3,283.83
1	38.41	1	385.74	1	748.44	1	1,111.53	1	1,474.71	1	1,838.10	1	2,201.48	1	2,564.87	1	2,928.15	1	3,291.40
1/4	43.91	1/4	393.16	1/4	756.01	1/4	1,119.09	1/4	1,482.28	1/4	1,845.67	1/4	2,209.05	1/4	2,572.44	1/4	2,935.72	1/4	3,298.97
1/2	49.42	1/2	400.58	1/2	763.58	1/2	1,126.65	1/2	1,489.85	1/2	1,853.24	1/2	2,216.62	1/2	2,580.01	1/2	2,943.28	1/2	3,306.53
3/4	54.92	3/4	408.00	3/4	771.15	3/4	1,134.20	3/4	1,497.42	3/4	1,860.81	3/4	2,224.19	3/4	2,587.58	3/4	2,950.85	3/4	3,314.10
2	60.43	2	415.43	2	778.72	2	1,141.76	2	1,505.00	2	1,868.38	2	2,231.76	2	2,595.15	2	2,958.42	2	3,321.67
1/4	67.19	1/4	422.98	1/4	786.29	1/4	1,149.32	1/4	1,512.57	1/4	1,875.95	1/4	2,239.33	1/4	2,602.72	1/4	2,965.99	1/4	3,329.24
1/2	73.96	1/2	430.53	1/2	793.86	1/2	1,156.88	1/2	1,520.14	1/2	1,883.52	1/2	2,246.90	1/2	2,610.29	1/2	2,973.55	1/2	3,336.80
3/4	80.73	3/4	438.08	3/4	801.43	3/4	1,164.44	3/4	1,527.71	3/4	1,891.09	3/4	2,254.47	3/4	2,617.86	3/4	2,981.12	3/4	3,344.37
3	87.49	3	445.63	3	809.00	3	1,172.00	3	1,535.28	3	1,898.66	3	2,262.05	3	2,625.43	3	2,988.69	3	3,351.94
1/4	94.97	1/4	453.20	1/4	816.57	1/4	1,179.55	1/4	1,542.85	1/4	1,906.23	1/4	2,269.62	1/4	2,633.00	1/4	2,996.26	1/4	3,359.51
1/2	102.44	1/2	460.77	1/2	824.14	1/2	1,187.11	1/2	1,550.42	1/2	1,913.80	1/2	2,277.19	1/2	2,640.57	1/2	3,003.82	1/2	3,367.07
3/4	109.92	3/4	468.34	3/4	831.71	3/4	1,194.67	3/4	1,557.99	3/4	1,921.37	3/4	2,284.76	3/4	2,648.14	3/4	3,011.39	3/4	3,374.64
4	117.40	4	475.91	4	839.28	4	1,202.23	4	1,565.56	4	1,928.94	4	2,292.33	4	2,655.71	4	3,018.96	4	3,382.21
1/4	124.95	1/4	483.48	1/4	846.85	1/4	1,209.79	1/4	1,573.13	1/4	1,936.51	1/4	2,299.90	1/4	2,663.28	1/4	3,026.53	1/4	3,389.78
1/2	132.51	1/2	491.05	1/2	854.42	1/2	1,217.35	1/2	1,580.70	1/2	1,944.08	1/2	2,307.47	1/2	2,670.85	1/2	3,034.10	1/2	3,397.35
3/4	140.06	3/4	498.62	3/4	861.99	3/4	1,224.90	3/4	1,588.27	3/4	1,951.65	3/4	2,315.04	3/4	2,678.41	3/4	3,041.66	3/4	3,404.91
5	147.62	5	506.19	5	869.56	5	1,232.46	5	1,595.84	5	1,959.23	5	2,322.61	5	2,685.98	5	3,049.23	5	3,412.48
1/4	155.18	1/4	513.76	1/4	877.13	1/4	1,240.03	1/4	1,603.41	1/4	1,966.80	1/4	2,330.18	1/4	2,693.55	1/4	3,056.80	1/4	3,420.05
1/2	162.73	1/2	521.33	1/2	884.70	1/2	1,247.60	1/2	1,610.98	1/2	1,974.37	1/2	2,337.75	1/2	2,701.12	1/2	3,064.37	1/2	3,427.62
3/4	170.29	3/4	528.90	3/4	892.27	3/4	1,255.17	3/4	1,618.55	3/4	1,981.94	3/4	2,345.32	3/4	2,708.68	3/4	3,071.93	3/4	3,435.18
6	177.84	6	536.47	6	899.84	6	1,262.74	6	1,626.12	6	1,989.51	6	2,352.89	6	2,716.25	6	3,079.50	6	3,442.75
1/4	185.28	1/4	544.04	1/4	907.41	1/4	1,270.31	1/4	1,633.69	1/4	1,997.08	1/4	2,360.46	1/4	2,723.82	1/4	3,087.07	1/4	3,450.32
1/2	192.72	1/2	551.61	1/2	914.98	1/2	1,277.88	1/2	1,641.26	1/2	2,004.65	1/2	2,368.03	1/2	2,731.39	1/2	3,094.64	1/2	3,457.89
3/4	200.16	3/4	559.18	3/4	922.55	3/4	1,285.45	3/4	1,648.83	3/4	2,012.22	3/4	2,375.60	3/4	2,738.96	3/4	3,102.20	3/4	3,465.45
7	207.60	7	566.75	7	930.12	7	1,293.02	7	1,656.41	7	2,019.79	7	2,383.17	7	2,746.52	7	3,109.77	7	3,473.02
1/4	215.02	1/4	574.32	1/4	937.68	1/4	1,300.59	1/4	1,663.98	1/4	2,027.36	1/4	2,390.74	1/4	2,754.09	1/4	3,117.34	1/4	3,480.59
1/2	222.44	1/2	581.90	1/2	945.25	1/2	1,308.16	1/2	1,671.55	1/2	2,034.93	1/2	2,398.31	1/2	2,761.66	1/2	3,124.91	1/2	3,488.16
3/4	229.87	3/4	589.47	3/4	952.81	3/4	1,315.73	3/4	1,679.12	3/4	2,042.50	3/4	2,405.88	3/4	2,769.23	3/4	3,132.48	3/4	3,495.73
8	237.29	8	597.04	8	960.37	8	1,323.30	8	1,686.69	8	2,050.07	8	2,413.46	8	2,776.79	8	3,140.04	8	3,503.29
1/4	244.71	1/4	604.61	1/4	967.92	1/4	1,330.87	1/4	1,694.26	1/4	2,057.64	1/4	2,421.03	1/4	2,784.36	1/4	3,147.61	1/4	3,510.86
1/2	252.13	1/2	612.18	1/2	975.48	1/2	1,338.44	1/2	1,701.83	1/2	2,065.21	1/2	2,428.60	1/2	2,791.93	1/2	3,155.18	1/2	3,518.43
3/4	259.55	3/4	619.75	3/4	983.04	3/4	1,346.01	3/4	1,709.40	3/4	2,072.78	3/4	2,436.17	3/4	2,799.50	3/4	3,162.75	3/4	3,526.00
9	266.98	9	627.32	9	990.60	9	1,353.59	9	1,716.97	9	2,080.35	9	2,443.74	9	2,807.06	9	3,170.31	9	3,533.56
1/4	274.40	1/4	634.89	1/4	998.16	1/4	1,361.16	1/4	1,724.54	1/4	2,087.92	1/4	2,451.31	1/4	2,814.63	1/4	3,177.88	1/4	3,541.13
1/2	281.82	1/2	642.46	1/2	1,005.72	1/2	1,368.73	1/2	1,732.11	1/2	2,095.49	1/2	2,458.88	1/2	2,822.20	1/2	3,185.45	1/2	3,548.70
3/4	289.24	3/4	650.03	3/4	1,013.27	3/4	1,376.30	3/4	1,739.68	3/4	2,103.06	3/4	2,466.45	3/4	2,829.77	3/4	3,193.02	3/4	3,556.27
10	296.67	10	657.60	10	1,020.83	10	1,383.87	10	1,747.25	10	2,110.64	10	2,474.02	10	2,837.34	10	3,200.58	10	3,563.83
1/4	304.09	1/4	665.17	1/4	1,028.39	1/4	1,391.44	1/4	1,754.82	1/4	2,118.21	1/4	2,481.59	1/4	2,844.90	1/4	3,208.15	1/4	3,571.40
1/2	311.51	1/2	672.74	1/2	1,035.95	1/2	1,399.01	1/2	1,762.39	1/2	2,125.78	1/2	2,489.16	1/2	2,852.47	1/2	3,215.72	1/2	3,578.97
3/4	318.93	3/4	680.31	3/4	1,043.51	3/4	1,406.58	3/4	1,769.96	3/4	2,133.35	3/4	2,496.73	3/4	2,860.04	3/4	3,223.29	3/4	3,586.54
11	326.36	11	687.88	11	1,051.06	11	1,414.15	11	1,777.53	11	2,140.92	11	2,504.30	11	2,867.61	11	3,230.86	11	3,594.11
1/4	333.78	1/4	695.45	1/4	1,058.62	1/4	1,421.72	1/4	1,785.10	1/4	2,148.49	1/4	2,511.87	1/4	2,875.17	1/4	3,238.42	1/4	3,601.67
1/2	341.20	1/2	703.02	1/2	1,066.18	1/2	1,429.29	1/2	1,792.67	1/2	2,156.06	1/2	2,519.44	1/2	2,882.74	1/2	3,245.99	1/2	3,609.24
3/4	348.62	3/4	710.59	3/4	1,073.74	3/4	1,436.86	3/4	1,800.24	3/4	2,163.63	3/4	2,527.01	3/4	2,890.31	3/4	3,253.56	3/4	3,616.81

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

PRECISION MEASUREMENT
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BARGE "DBL 309"

1 PORT INNAGE 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	3,624.38	0	3,987.63	0	4,350.19	0	4,699.30	0	5,030.07	0		0		0					
1/4	3,631.94	1/4	3,995.19	1/4	4,357.64	1/4	4,706.37	1/4	5,037.49	1/4		1/4		1/4					
1/2	3,639.51	1/2	4,002.76	1/2	4,365.09	1/2	4,713.43	1/2	5,044.90	1/2		1/2		1/2					
3/4	3,647.08	3/4	4,010.33	3/4	4,372.54	3/4	4,720.50	3/4	5,052.32	3/4		3/4		3/4					
1	3,654.65	1	4,017.90	1	4,379.98	1	4,727.57	1	5,059.74	1		1		1					
1/4	3,662.21	1/4	4,025.46	1/4	4,387.40	1/4	4,734.57	1/4	5,067.21	1/4		1/4		1/4					
1/2	3,669.78	1/2	4,033.03	1/2	4,394.82	1/2	4,741.58	1/2	5,074.67	1/2		1/2		1/2					
3/4	3,677.35	3/4	4,040.60	3/4	4,402.23	3/4	4,748.59	3/4	5,082.14	3/4		3/4		3/4					
2	3,684.92	2	4,048.17	2	4,409.65	2	4,755.59	2	5,089.61	2		2		2					
1/4	3,692.49	1/4	4,055.74	1/4	4,417.04	1/4	4,762.57	1/4	5,097.08	1/4		1/4		1/4					
1/2	3,700.05	1/2	4,063.30	1/2	4,424.42	1/2	4,769.54	1/2	5,104.55	1/2		1/2		1/2					
3/4	3,707.62	3/4	4,070.87	3/4	4,431.81	3/4	4,776.51	3/4	5,112.02	3/4		3/4		3/4					
3	3,715.19	3	4,078.44	3	4,439.20	3	4,783.48	3	5,119.49	3		3		3					
1/4	3,722.76	1/4	4,086.01	1/4	4,446.55	1/4	4,790.43	1/4	5,126.96	1/4		1/4		1/4					
1/2	3,730.32	1/2	4,093.57	1/2	4,453.90	1/2	4,797.37	1/2	5,134.43	1/2		1/2		1/2					
3/4	3,737.89	3/4	4,101.14	3/4	4,461.26	3/4	4,804.31	3/4	5,141.90	3/4		3/4		3/4					
4	3,745.46	4	4,108.71	4	4,468.61	4	4,811.25	4	5,149.37	4		4		4					
1/4	3,753.03	1/4	4,116.28	1/4	4,475.93	1/4	4,818.16	1/4	5,156.84	1/4		1/4		1/4					
1/2	3,760.59	1/2	4,123.84	1/2	4,483.25	1/2	4,825.07	1/2	5,164.31	1/2		1/2		1/2					
3/4	3,768.16	3/4	4,131.41	3/4	4,490.57	3/4	4,831.98	3/4	5,171.78	3/4		3/4		3/4					
5	3,775.73	5	4,138.98	5	4,497.89	5	4,838.89	5	5,179.24	5		5		5					
1/4	3,783.30	1/4	4,146.55	1/4	4,505.18	1/4	4,845.76	1/4	5,186.58	1/4		1/4		1/4					
1/2	3,790.87	1/2	4,154.12	1/2	4,512.46	1/2	4,852.64	1/2	5,193.91	1/2		1/2		1/2					
3/4	3,798.43	3/4	4,161.68	3/4	4,519.75	3/4	4,859.51	3/4	5,201.24	3/4		3/4		3/4					
6	3,806.00	6	4,169.25	6	4,527.04	6	4,866.39	6	5,208.57	6		6		6					
1/4	3,813.57	1/4	4,176.82	1/4	4,534.30	1/4	4,873.23	1/4	5,214.92	1/4		1/4		1/4					
1/2	3,821.14	1/2	4,184.39	1/2	4,541.56	1/2	4,880.08	1/2	5,221.26	1/2		1/2		1/2					
3/4	3,828.70	3/4	4,191.95	3/4	4,548.82	3/4	4,886.92	3/4	5,227.61	3/4		3/4		3/4					
7	3,836.27	7	4,199.52	7	4,556.08	7	4,893.77	7	5,233.95	7		7		7					
1/4	3,843.84	1/4	4,207.09	1/4	4,563.30	1/4	4,900.58	1/4	5,239.08	1/4		1/4		1/4					
1/2	3,851.41	1/2	4,214.66	1/2	4,570.53	1/2	4,907.39	1/2	5,244.21	1/2		1/2		1/2					
3/4	3,858.97	3/4	4,222.22	3/4	4,577.75	3/4	4,914.21	3/4	5,249.34	3/4		3/4		3/4					
8	3,866.54	8	4,229.79	8	4,584.98	8	4,921.02	8	5,254.47	8		8		8					
1/4	3,874.11	1/4	4,237.36	1/4	4,592.17	1/4	4,927.81	1/4		1/4		1/4		1/4					
1/2	3,881.68	1/2	4,244.93	1/2	4,599.36	1/2	4,934.59	1/2		1/2		1/2		1/2					
3/4	3,889.25	3/4	4,252.49	3/4	4,606.55	3/4	4,941.37	3/4		3/4		3/4		3/4					
9	3,896.81	9	4,260.06	9	4,613.74	9	4,948.16	9		9		9		9					
1/4	3,904.38	1/4	4,267.60	1/4	4,620.90	1/4	4,954.91	1/4		1/4		1/4		1/4					
1/2	3,911.95	1/2	4,275.15	1/2	4,628.06	1/2	4,961.66	1/2		1/2		1/2		1/2					
3/4	3,919.52	3/4	4,282.69	3/4	4,635.22	3/4	4,968.41	3/4		3/4		3/4		3/4					
10	3,927.08	10	4,290.23	10	4,642.38	10	4,975.17	10		10		10		10					
1/4	3,934.65	1/4	4,297.75	1/4	4,649.51	1/4	4,981.89	1/4		1/4		1/4		1/4					
1/2	3,942.22	1/2	4,305.26	1/2	4,656.64	1/2	4,988.60	1/2		1/2		1/2		1/2					
3/4	3,949.79	3/4	4,312.77	3/4	4,663.77	3/4	4,995.32	3/4		3/4		3/4		3/4					
11	3,957.36	11	4,320.28	11	4,670.90	11	5,002.04	11		11		11		11					
1/4	3,964.92	1/4	4,327.76	1/4	4,678.00	1/4	5,009.05	1/4		1/4		1/4		1/4					
1/2	3,972.49	1/2	4,335.24	1/2	4,685.10	1/2	5,016.06	1/2		1/2		1/2		1/2					
3/4	3,980.06	3/4	4,342.72	3/4	4,692.20	3/4	5,023.06	3/4		3/4		3/4		3/4					

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "DBL 309"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 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	21.40	0	355.45	0	716.97	0	1,078.58	0	1,440.14	0	1,802.93	0	2,165.71	0	2,528.50	0	2,890.98	0	3,253.63
1/4	25.63	1/4	362.86	1/4	724.53	1/4	1,086.08	1/4	1,447.70	1/4	1,810.49	1/4	2,173.27	1/4	2,536.05	1/4	2,898.54	1/4	3,261.19
1/2	29.87	1/2	370.27	1/2	732.08	1/2	1,093.59	1/2	1,455.26	1/2	1,818.04	1/2	2,180.83	1/2	2,543.61	1/2	2,906.09	1/2	3,268.74
3/4	34.11	3/4	377.68	3/4	739.64	3/4	1,101.10	3/4	1,462.82	3/4	1,825.60	3/4	2,188.39	3/4	2,551.17	3/4	2,913.65	3/4	3,276.30
1	38.34	1	385.09	1	747.20	1	1,108.60	1	1,470.38	1	1,833.16	1	2,195.94	1	2,558.73	1	2,921.20	1	3,283.85
1/4	43.84	1/4	392.50	1/4	754.76	1/4	1,116.11	1/4	1,477.93	1/4	1,840.72	1/4	2,203.50	1/4	2,566.29	1/4	2,928.76	1/4	3,291.41
1/2	49.33	1/2	399.91	1/2	762.32	1/2	1,123.61	1/2	1,485.49	1/2	1,848.28	1/2	2,211.06	1/2	2,573.84	1/2	2,936.32	1/2	3,298.96
3/4	54.83	3/4	407.32	3/4	769.87	3/4	1,131.12	3/4	1,493.05	3/4	1,855.83	3/4	2,218.62	3/4	2,581.40	3/4	2,943.87	3/4	3,306.52
2	60.33	2	414.73	2	777.43	2	1,138.63	2	1,500.61	2	1,863.39	2	2,226.18	2	2,588.96	2	2,951.43	2	3,314.08
1/4	67.08	1/4	422.27	1/4	784.99	1/4	1,146.13	1/4	1,508.17	1/4	1,870.95	1/4	2,233.73	1/4	2,596.52	1/4	2,958.98	1/4	3,321.63
1/2	73.84	1/2	429.81	1/2	792.55	1/2	1,153.64	1/2	1,515.72	1/2	1,878.51	1/2	2,241.29	1/2	2,604.08	1/2	2,966.54	1/2	3,329.19
3/4	80.59	3/4	437.35	3/4	800.10	3/4	1,161.14	3/4	1,523.28	3/4	1,886.07	3/4	2,248.85	3/4	2,611.63	3/4	2,974.09	3/4	3,336.74
3	87.35	3	444.89	3	807.66	3	1,168.65	3	1,530.84	3	1,893.62	3	2,256.41	3	2,619.19	3	2,981.65	3	3,344.30
1/4	94.81	1/4	452.45	1/4	815.22	1/4	1,176.16	1/4	1,538.40	1/4	1,901.18	1/4	2,263.97	1/4	2,626.75	1/4	2,989.20	1/4	3,351.85
1/2	102.28	1/2	460.01	1/2	822.78	1/2	1,183.66	1/2	1,545.96	1/2	1,908.74	1/2	2,271.52	1/2	2,634.30	1/2	2,996.76	1/2	3,359.41
3/4	109.74	3/4	467.57	3/4	830.33	3/4	1,191.17	3/4	1,553.51	3/4	1,916.30	3/4	2,279.08	3/4	2,641.86	3/4	3,004.31	3/4	3,366.96
4	117.20	4	475.12	4	837.89	4	1,198.68	4	1,561.07	4	1,923.86	4	2,286.64	4	2,649.41	4	3,011.87	4	3,374.52
1/4	124.75	1/4	482.68	1/4	845.45	1/4	1,206.18	1/4	1,568.63	1/4	1,931.41	1/4	2,294.20	1/4	2,656.96	1/4	3,019.42	1/4	3,382.07
1/2	132.29	1/2	490.24	1/2	853.01	1/2	1,213.69	1/2	1,576.19	1/2	1,938.97	1/2	2,301.76	1/2	2,664.50	1/2	3,026.98	1/2	3,389.63
3/4	139.83	3/4	497.80	3/4	860.57	3/4	1,221.19	3/4	1,583.75	3/4	1,946.53	3/4	2,309.31	3/4	2,672.05	3/4	3,034.53	3/4	3,397.18
5	147.38	5	505.35	5	868.12	5	1,228.70	5	1,591.30	5	1,954.09	5	2,316.87	5	2,679.59	5	3,042.09	5	3,404.74
1/4	154.92	1/4	512.91	1/4	875.68	1/4	1,236.22	1/4	1,598.86	1/4	1,961.65	1/4	2,324.43	1/4	2,687.13	1/4	3,049.64	1/4	3,412.29
1/2	162.46	1/2	520.47	1/2	883.24	1/2	1,243.74	1/2	1,606.42	1/2	1,969.20	1/2	2,331.99	1/2	2,694.68	1/2	3,057.20	1/2	3,419.85
3/4	170.00	3/4	528.03	3/4	890.80	3/4	1,251.25	3/4	1,613.98	3/4	1,976.76	3/4	2,339.55	3/4	2,702.22	3/4	3,064.75	3/4	3,427.40
6	177.55	6	535.58	6	898.35	6	1,258.77	6	1,621.54	6	1,984.32	6	2,347.10	6	2,709.76	6	3,072.31	6	3,434.96
1/4	184.97	1/4	543.14	1/4	905.88	1/4	1,266.32	1/4	1,629.09	1/4	1,991.88	1/4	2,354.66	1/4	2,717.31	1/4	3,079.86	1/4	3,442.51
1/2	192.40	1/2	550.70	1/2	913.40	1/2	1,273.88	1/2	1,636.65	1/2	1,999.44	1/2	2,362.22	1/2	2,724.85	1/2	3,087.42	1/2	3,450.07
3/4	199.83	3/4	558.26	3/4	920.92	3/4	1,281.43	3/4	1,644.21	3/4	2,006.99	3/4	2,369.78	3/4	2,732.39	3/4	3,094.97	3/4	3,457.62
7	207.25	7	565.82	7	928.45	7	1,288.98	7	1,651.77	7	2,014.55	7	2,377.34	7	2,739.93	7	3,102.53	7	3,465.18
1/4	214.66	1/4	573.37	1/4	935.95	1/4	1,296.54	1/4	1,659.33	1/4	2,022.11	1/4	2,384.89	1/4	2,747.48	1/4	3,110.08	1/4	3,472.73
1/2	222.07	1/2	580.93	1/2	943.46	1/2	1,304.10	1/2	1,666.88	1/2	2,029.67	1/2	2,392.45	1/2	2,755.02	1/2	3,117.64	1/2	3,480.29
3/4	229.48	3/4	588.49	3/4	950.97	3/4	1,311.66	3/4	1,674.44	3/4	2,037.23	3/4	2,400.01	3/4	2,762.56	3/4	3,125.20	3/4	3,487.84
8	236.89	8	596.05	8	958.48	8	1,319.22	8	1,682.00	8	2,044.78	8	2,407.57	8	2,770.11	8	3,132.75	8	3,495.40
1/4	244.30	1/4	603.60	1/4	965.98	1/4	1,326.77	1/4	1,689.56	1/4	2,052.34	1/4	2,415.13	1/4	2,777.66	1/4	3,140.31	1/4	3,502.96
1/2	251.71	1/2	611.16	1/2	973.49	1/2	1,334.33	1/2	1,697.12	1/2	2,059.90	1/2	2,422.68	1/2	2,785.21	1/2	3,147.86	1/2	3,510.51
3/4	259.12	3/4	618.72	3/4	981.00	3/4	1,341.89	3/4	1,704.67	3/4	2,067.46	3/4	2,430.24	3/4	2,792.77	3/4	3,155.42	3/4	3,518.07
9	266.53	9	626.28	9	988.50	9	1,349.45	9	1,712.23	9	2,075.02	9	2,437.80	9	2,800.32	9	3,162.97	9	3,525.62
1/4	273.94	1/4	633.83	1/4	996.01	1/4	1,357.01	1/4	1,719.79	1/4	2,082.57	1/4	2,445.36	1/4	2,807.88	1/4	3,170.53	1/4	3,533.18
1/2	281.35	1/2	641.39	1/2	1,003.51	1/2	1,364.56	1/2	1,727.35	1/2	2,090.13	1/2	2,452.92	1/2	2,815.43	1/2	3,178.08	1/2	3,540.73
3/4	288.76	3/4	648.95	3/4	1,011.02	3/4	1,372.12	3/4	1,734.91	3/4	2,097.69	3/4	2,460.47	3/4	2,822.99	3/4	3,185.64	3/4	3,548.29
10	296.17	10	656.51	10	1,018.53	10	1,379.68	10	1,742.46	10	2,105.25	10	2,468.03	10	2,830.54	10	3,193.19	10	3,555.84
1/4	303.58	1/4	664.07	1/4	1,026.03	1/4	1,387.24	1/4	1,750.02	1/4	2,112.81	1/4	2,475.59	1/4	2,838.10	1/4	3,200.75	1/4	3,563.40
1/2	310.99	1/2	671.62	1/2	1,033.54	1/2	1,394.80	1/2	1,757.58	1/2	2,120.36	1/2	2,483.15	1/2	2,845.65	1/2	3,208.30	1/2	3,570.95
3/4	318.40	3/4	679.18	3/4	1,041.05	3/4	1,402.35	3/4	1,765.14	3/4	2,127.92	3/4	2,490.71	3/4	2,853.21	3/4	3,215.86	3/4	3,578.51
11	325.81	11	686.74	11	1,048.55	11	1,409.91	11	1,772.70	11	2,135.48	11	2,498.26	11	2,860.76	11	3,223.41	11	3,586.06
1/4	333.22	1/4	694.30	1/4	1,056.06	1/4	1,417.47	1/4	1,780.25	1/4	2,143.04	1/4	2,505.82	1/4	2,868.32	1/4	3,230.97	1/4	3,593.62
1/2	340.63	1/2	701.85	1/2	1,063.56	1/2	1,425.03	1/2	1,787.81	1/2	2,150.60	1/2	2,513.38	1/2	2,875.87	1/2	3,238.52	1/2	3,601.17
3/4	348.04	3/4	709.41	3/4	1,071.07	3/4	1,432.59	3/4	1,795.37	3/4	2,158.15	3/4	2,520.94	3/4	2,883.43	3/4	3,246.08	3/4	3,608.73

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

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



BARGE "DBL 309"

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE 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	3,616.28	0	3,978.93	0	4,340.89	0	4,689.42	0	5,019.63	0		0		0					0
1/4	3,623.84	1/4	3,986.49	1/4	4,348.33	1/4	4,696.47	1/4	5,027.03	1/4		1/4		1/4					1/4
1/2	3,631.39	1/2	3,994.04	1/2	4,355.76	1/2	4,703.53	1/2	5,034.44	1/2		1/2		1/2					1/2
3/4	3,638.95	3/4	4,001.60	3/4	4,363.20	3/4	4,710.58	3/4	5,041.84	3/4		3/4		3/4					3/4
1	3,646.50	1	4,009.15	1	4,370.63	1	4,717.63	1	5,049.25	1		1		1					1
1/4	3,654.06	1/4	4,016.71	1/4	4,378.04	1/4	4,724.63	1/4	5,056.70	1/4		1/4		1/4					1/4
1/2	3,661.61	1/2	4,024.26	1/2	4,385.44	1/2	4,731.62	1/2	5,064.16	1/2		1/2		1/2					1/2
3/4	3,669.17	3/4	4,031.82	3/4	4,392.84	3/4	4,738.62	3/4	5,071.62	3/4		3/4		3/4					3/4
2	3,676.72	2	4,039.37	2	4,400.25	2	4,745.62	2	5,079.07	2		2		2					2
1/4	3,684.28	1/4	4,046.93	1/4	4,407.62	1/4	4,752.58	1/4	5,086.53	1/4		1/4		1/4					1/4
1/2	3,691.84	1/2	4,054.48	1/2	4,415.00	1/2	4,759.54	1/2	5,093.99	1/2		1/2		1/2					1/2
3/4	3,699.39	3/4	4,062.04	3/4	4,422.37	3/4	4,766.50	3/4	5,101.44	3/4		3/4		3/4					3/4
3	3,706.95	3	4,069.60	3	4,429.75	3	4,773.46	3	5,108.90	3		3		3					3
1/4	3,714.50	1/4	4,077.15	1/4	4,437.09	1/4	4,780.39	1/4	5,116.36	1/4		1/4		1/4					1/4
1/2	3,722.06	1/2	4,084.71	1/2	4,444.43	1/2	4,787.32	1/2	5,123.82	1/2		1/2		1/2					1/2
3/4	3,729.61	3/4	4,092.26	3/4	4,451.77	3/4	4,794.25	3/4	5,131.27	3/4		3/4		3/4					3/4
4	3,737.17	4	4,099.82	4	4,459.11	4	4,801.18	4	5,138.73	4		4		4					4
1/4	3,744.72	1/4	4,107.37	1/4	4,466.42	1/4	4,808.08	1/4	5,146.19	1/4		1/4		1/4					1/4
1/2	3,752.28	1/2	4,114.93	1/2	4,473.73	1/2	4,814.98	1/2	5,153.64	1/2		1/2		1/2					1/2
3/4	3,759.83	3/4	4,122.48	3/4	4,481.03	3/4	4,821.87	3/4	5,161.10	3/4		3/4		3/4					3/4
5	3,767.39	5	4,130.04	5	4,488.34	5	4,828.77	5	5,168.56	5		5		5					5
1/4	3,774.94	1/4	4,137.59	1/4	4,495.62	1/4	4,835.63	1/4	5,175.87	1/4		1/4		1/4					1/4
1/2	3,782.50	1/2	4,145.15	1/2	4,502.89	1/2	4,842.50	1/2	5,183.19	1/2		1/2		1/2					1/2
3/4	3,790.05	3/4	4,152.70	3/4	4,510.17	3/4	4,849.36	3/4	5,190.51	3/4		3/4		3/4					3/4
6	3,797.61	6	4,160.26	6	4,517.45	6	4,856.22	6	5,197.83	6		6		6					6
1/4	3,805.16	1/4	4,167.81	1/4	4,524.69	1/4	4,863.06	1/4	5,204.16	1/4		1/4		1/4					1/4
1/2	3,812.72	1/2	4,175.37	1/2	4,531.94	1/2	4,869.89	1/2	5,210.50	1/2		1/2		1/2					1/2
3/4	3,820.27	3/4	4,182.92	3/4	4,539.18	3/4	4,876.72	3/4	5,216.83	3/4		3/4		3/4					3/4
7	3,827.83	7	4,190.48	7	4,546.43	7	4,883.56	7	5,223.17	7		7		7					7
1/4	3,835.38	1/4	4,198.03	1/4	4,553.64	1/4	4,890.36	1/4	5,228.29	1/4		1/4		1/4					1/4
1/2	3,842.94	1/2	4,205.59	1/2	4,560.86	1/2	4,897.16	1/2	5,233.41	1/2		1/2		1/2					1/2
3/4	3,850.49	3/4	4,213.14	3/4	4,568.07	3/4	4,903.96	3/4	5,238.52	3/4		3/4		3/4					3/4
8	3,858.05	8	4,220.70	8	4,575.28	8	4,910.77	8	5,243.64	8		8		8					8
1/4	3,865.60	1/4	4,228.25	1/4	4,582.46	1/4	4,917.54	1/4		1/4		1/4		1/4					1/4
1/2	3,873.16	1/2	4,235.80	1/2	4,589.64	1/2	4,924.31	1/2		1/2		1/2		1/2					1/2
3/4	3,880.72	3/4	4,243.35	3/4	4,596.82	3/4	4,931.08	3/4		3/4		3/4		3/4					3/4
9	3,888.27	9	4,250.91	9	4,604.00	9	4,937.86	9		9		9		9					9
1/4	3,895.83	1/4	4,258.44	1/4	4,611.15	1/4	4,944.60	1/4		1/4		1/4		1/4					1/4
1/2	3,903.38	1/2	4,265.97	1/2	4,618.30	1/2	4,951.34	1/2		1/2		1/2		1/2					1/2
3/4	3,910.94	3/4	4,273.50	3/4	4,625.44	3/4	4,958.08	3/4		3/4		3/4		3/4					3/4
10	3,918.49	10	4,281.03	10	4,632.59	10	4,964.82	10		10		10		10					10
1/4	3,926.05	1/4	4,288.53	1/4	4,639.71	1/4	4,971.53	1/4		1/4		1/4		1/4					1/4
1/2	3,933.60	1/2	4,296.03	1/2	4,646.83	1/2	4,978.23	1/2		1/2		1/2		1/2					1/2
3/4	3,941.16	3/4	4,303.53	3/4	4,653.95	3/4	4,984.94	3/4		3/4		3/4		3/4					3/4
11	3,948.71	11	4,311.03	11	4,661.06	11	4,991.65	11		11		11		11					11
1/4	3,956.27	1/4	4,318.50	1/4	4,668.15	1/4	4,998.64	1/4		1/4		1/4		1/4					1/4
1/2	3,963.82	1/2	4,325.96	1/2	4,675.24	1/2	5,005.64	1/2		1/2		1/2		1/2					1/2
3/4	3,971.38	3/4	4,333.43	3/4	4,682.33	3/4	5,012.63	3/4		3/4		3/4		3/4					3/4

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "DBL 309"

2 PORT INNAGE 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	21.35	0	354.67	0	715.39	0	1,077.13	0	1,438.87	0	1,800.87	0	2,162.86	0	2,524.85	0	2,886.75	0	3,248.61
1/4	25.58	1/4	362.06	1/4	722.93	1/4	1,084.66	1/4	1,446.42	1/4	1,808.41	1/4	2,170.40	1/4	2,532.39	1/4	2,894.28	1/4	3,256.15
1/2	29.81	1/2	369.45	1/2	730.47	1/2	1,092.19	1/2	1,453.96	1/2	1,815.95	1/2	2,177.94	1/2	2,539.93	1/2	2,901.82	1/2	3,263.69
3/4	34.03	3/4	376.85	3/4	738.01	3/4	1,099.72	3/4	1,461.50	3/4	1,823.49	3/4	2,185.48	3/4	2,547.47	3/4	2,909.36	3/4	3,271.22
1	38.26	1	384.24	1	745.55	1	1,107.25	1	1,469.04	1	1,831.03	1	2,193.02	1	2,555.02	1	2,916.90	1	3,278.76
1/4	43.74	1/4	391.63	1/4	753.10	1/4	1,114.78	1/4	1,476.58	1/4	1,838.57	1/4	2,200.57	1/4	2,562.56	1/4	2,924.44	1/4	3,286.30
1/2	49.23	1/2	399.03	1/2	760.64	1/2	1,122.31	1/2	1,484.12	1/2	1,846.12	1/2	2,208.11	1/2	2,570.10	1/2	2,931.98	1/2	3,293.84
3/4	54.71	3/4	406.42	3/4	768.18	3/4	1,129.84	3/4	1,491.66	3/4	1,853.66	3/4	2,215.65	3/4	2,577.64	3/4	2,939.52	3/4	3,301.38
2	60.19	2	413.81	2	775.72	2	1,137.37	2	1,499.21	2	1,861.20	2	2,223.19	2	2,585.18	2	2,947.06	2	3,308.92
1/4	66.93	1/4	421.34	1/4	783.26	1/4	1,144.90	1/4	1,506.75	1/4	1,868.74	1/4	2,230.73	1/4	2,592.72	1/4	2,954.59	1/4	3,316.46
1/2	73.68	1/2	428.86	1/2	790.80	1/2	1,152.43	1/2	1,514.29	1/2	1,876.28	1/2	2,238.27	1/2	2,600.26	1/2	2,962.13	1/2	3,324.00
3/4	80.42	3/4	436.38	3/4	798.34	3/4	1,159.96	3/4	1,521.83	3/4	1,883.82	3/4	2,245.81	3/4	2,607.81	3/4	2,969.67	3/4	3,331.53
3	87.16	3	443.91	3	805.88	3	1,167.49	3	1,529.37	3	1,891.36	3	2,253.36	3	2,615.35	3	2,977.21	3	3,339.07
1/4	94.60	1/4	451.45	1/4	813.43	1/4	1,175.02	1/4	1,536.91	1/4	1,898.91	1/4	2,260.90	1/4	2,622.89	1/4	2,984.75	1/4	3,346.61
1/2	102.05	1/2	458.99	1/2	820.97	1/2	1,182.55	1/2	1,544.46	1/2	1,906.45	1/2	2,268.44	1/2	2,630.43	1/2	2,992.29	1/2	3,354.15
3/4	109.50	3/4	466.53	3/4	828.51	3/4	1,190.07	3/4	1,552.00	3/4	1,913.99	3/4	2,275.98	3/4	2,637.96	3/4	2,999.83	3/4	3,361.69
4	116.95	4	474.07	4	836.05	4	1,197.60	4	1,559.54	4	1,921.53	4	2,283.52	4	2,645.50	4	3,007.37	4	3,369.23
1/4	124.47	1/4	481.61	1/4	843.59	1/4	1,205.13	1/4	1,567.08	1/4	1,929.07	1/4	2,291.06	1/4	2,653.04	1/4	3,014.91	1/4	3,376.77
1/2	132.00	1/2	489.15	1/2	851.13	1/2	1,212.66	1/2	1,574.62	1/2	1,936.61	1/2	2,298.61	1/2	2,660.58	1/2	3,022.44	1/2	3,384.31
3/4	139.53	3/4	496.70	3/4	858.67	3/4	1,220.19	3/4	1,582.16	3/4	1,944.15	3/4	2,306.15	3/4	2,668.12	3/4	3,029.98	3/4	3,391.85
5	147.05	5	504.24	5	866.21	5	1,227.72	5	1,589.70	5	1,951.70	5	2,313.69	5	2,675.66	5	3,037.52	5	3,399.38
1/4	154.58	1/4	511.78	1/4	873.76	1/4	1,235.26	1/4	1,597.25	1/4	1,959.24	1/4	2,321.23	1/4	2,683.20	1/4	3,045.06	1/4	3,406.92
1/2	162.11	1/2	519.32	1/2	881.30	1/2	1,242.80	1/2	1,604.79	1/2	1,966.78	1/2	2,328.77	1/2	2,690.74	1/2	3,052.60	1/2	3,414.46
3/4	169.63	3/4	526.86	3/4	888.84	3/4	1,250.34	3/4	1,612.33	3/4	1,974.32	3/4	2,336.31	3/4	2,698.28	3/4	3,060.14	3/4	3,422.00
6	177.16	6	534.40	6	896.38	6	1,257.88	6	1,619.87	6	1,981.86	6	2,343.85	6	2,705.81	6	3,067.68	6	3,429.54
1/4	184.57	1/4	541.94	1/4	903.92	1/4	1,265.42	1/4	1,627.41	1/4	1,989.40	1/4	2,351.40	1/4	2,713.35	1/4	3,075.22	1/4	3,437.08
1/2	191.98	1/2	549.48	1/2	911.46	1/2	1,272.96	1/2	1,634.95	1/2	1,996.95	1/2	2,358.94	1/2	2,720.89	1/2	3,082.75	1/2	3,444.62
3/4	199.39	3/4	557.02	3/4	919.00	3/4	1,280.50	3/4	1,642.49	3/4	2,004.49	3/4	2,366.48	3/4	2,728.43	3/4	3,090.29	3/4	3,452.16
7	206.80	7	564.57	7	926.54	7	1,288.04	7	1,650.04	7	2,012.03	7	2,374.02	7	2,735.97	7	3,097.83	7	3,459.69
1/4	214.19	1/4	572.11	1/4	934.07	1/4	1,295.59	1/4	1,657.58	1/4	2,019.57	1/4	2,381.56	1/4	2,743.51	1/4	3,105.37	1/4	3,467.23
1/2	221.59	1/2	579.65	1/2	941.60	1/2	1,303.13	1/2	1,665.12	1/2	2,027.11	1/2	2,389.10	1/2	2,751.05	1/2	3,112.91	1/2	3,474.77
3/4	228.98	3/4	587.19	3/4	949.14	3/4	1,310.67	3/4	1,672.66	3/4	2,034.65	3/4	2,396.64	3/4	2,758.59	3/4	3,120.45	3/4	3,482.31
8	236.37	8	594.73	8	956.67	8	1,318.21	8	1,680.20	8	2,042.19	8	2,404.19	8	2,766.12	8	3,127.99	8	3,489.85
1/4	243.77	1/4	602.27	1/4	964.20	1/4	1,325.75	1/4	1,687.74	1/4	2,049.74	1/4	2,411.73	1/4	2,773.66	1/4	3,135.53	1/4	3,497.39
1/2	251.16	1/2	609.81	1/2	971.72	1/2	1,333.29	1/2	1,695.29	1/2	2,057.28	1/2	2,419.27	1/2	2,781.20	1/2	3,143.06	1/2	3,504.93
3/4	258.55	3/4	617.35	3/4	979.25	3/4	1,340.83	3/4	1,702.83	3/4	2,064.82	3/4	2,426.81	3/4	2,788.74	3/4	3,150.60	3/4	3,512.47
9	265.95	9	624.90	9	986.78	9	1,348.38	9	1,710.37	9	2,072.36	9	2,434.35	9	2,796.28	9	3,158.14	9	3,520.00
1/4	273.34	1/4	632.44	1/4	994.31	1/4	1,355.92	1/4	1,717.91	1/4	2,079.90	1/4	2,441.89	1/4	2,803.82	1/4	3,165.68	1/4	3,527.54
1/2	280.73	1/2	639.98	1/2	1,001.84	1/2	1,363.46	1/2	1,725.45	1/2	2,087.44	1/2	2,449.43	1/2	2,811.36	1/2	3,173.22	1/2	3,535.08
3/4	288.13	3/4	647.52	3/4	1,009.37	3/4	1,371.00	3/4	1,732.99	3/4	2,094.98	3/4	2,456.98	3/4	2,818.90	3/4	3,180.76	3/4	3,542.62
10	295.52	10	655.06	10	1,016.90	10	1,378.54	10	1,740.53	10	2,102.53	10	2,464.52	10	2,826.44	10	3,188.30	10	3,550.16
1/4	302.91	1/4	662.60	1/4	1,024.43	1/4	1,386.08	1/4	1,748.08	1/4	2,110.07	1/4	2,472.06	1/4	2,833.97	1/4	3,195.84	1/4	3,557.70
1/2	310.31	1/2	670.14	1/2	1,031.96	1/2	1,393.63	1/2	1,755.62	1/2	2,117.61	1/2	2,479.60	1/2	2,841.51	1/2	3,203.38	1/2	3,565.24
3/4	317.70	3/4	677.68	3/4	1,039.49	3/4	1,401.17	3/4	1,763.16	3/4	2,125.15	3/4	2,487.14	3/4	2,849.05	3/4	3,210.91	3/4	3,572.78
11	325.09	11	685.23	11	1,047.02	11	1,408.71	11	1,770.70	11	2,132.69	11	2,494.68	11	2,856.59	11	3,218.45	11	3,580.32
1/4	332.49	1/4	692.77	1/4	1,054.55	1/4	1,416.25	1/4	1,778.24	1/4	2,140.23	1/4	2,502.23	1/4	2,864.13	1/4	3,225.99	1/4	3,587.85
1/2	339.88	1/2	700.31	1/2	1,062.08	1/2	1,423.79	1/2	1,785.78	1/2	2,147.78	1/2	2,509.77	1/2	2,871.67	1/2	3,233.53	1/2	3,595.39
3/4	347.27	3/4	707.85	3/4	1,069.61	3/4	1,431.33	3/4	1,793.32	3/4	2,155.32	3/4	2,517.31	3/4	2,879.21	3/4	3,241.07	3/4	3,602.93

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

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "DBL 309"

2 PORT INNAGE 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	3,610.47	0	3,972.33	0	4,333.48	0	4,681.25	0	5,010.73	0		0		0		0		0	
1/4	3,618.01	1/4	3,979.87	1/4	4,340.90	1/4	4,688.29	1/4	5,018.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,625.55	1/2	3,987.41	1/2	4,348.32	1/2	4,695.32	1/2	5,025.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,633.09	3/4	3,994.95	3/4	4,355.74	3/4	4,702.36	3/4	5,032.90	3/4		3/4		3/4		3/4		3/4	
1	3,640.63	1	4,002.49	1	4,363.16	1	4,709.40	1	5,040.29	1		1		1		1		1	
1/4	3,648.16	1/4	4,010.03	1/4	4,370.55	1/4	4,716.38	1/4	5,047.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,655.70	1/2	4,017.57	1/2	4,377.93	1/2	4,723.36	1/2	5,055.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,663.24	3/4	4,025.10	3/4	4,385.32	3/4	4,730.34	3/4	5,062.61	3/4		3/4		3/4		3/4		3/4	
2	3,670.78	2	4,032.64	2	4,392.71	2	4,737.32	2	5,070.05	2		2		2		2		2	
1/4	3,678.32	1/4	4,040.18	1/4	4,400.07	1/4	4,744.27	1/4	5,077.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,685.86	1/2	4,047.72	1/2	4,407.43	1/2	4,751.21	1/2	5,084.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,693.40	3/4	4,055.26	3/4	4,414.79	3/4	4,758.16	3/4	5,092.37	3/4		3/4		3/4		3/4		3/4	
3	3,700.94	3	4,062.80	3	4,422.15	3	4,765.10	3	5,099.81	3		3		3		3		3	
1/4	3,708.47	1/4	4,070.34	1/4	4,429.47	1/4	4,772.02	1/4	5,107.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,716.01	1/2	4,077.88	1/2	4,436.80	1/2	4,778.94	1/2	5,114.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,723.55	3/4	4,085.41	3/4	4,444.12	3/4	4,785.85	3/4	5,122.13	3/4		3/4		3/4		3/4		3/4	
4	3,731.09	4	4,092.95	4	4,451.45	4	4,792.77	4	5,129.57	4		4		4		4		4	
1/4	3,738.63	1/4	4,100.49	1/4	4,458.74	1/4	4,799.65	1/4	5,137.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,746.17	1/2	4,108.03	1/2	4,466.03	1/2	4,806.53	1/2	5,144.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,753.71	3/4	4,115.57	3/4	4,473.32	3/4	4,813.41	3/4	5,151.89	3/4		3/4		3/4		3/4		3/4	
5	3,761.25	5	4,123.11	5	4,480.61	5	4,820.30	5	5,159.33	5		5		5		5		5	
1/4	3,768.79	1/4	4,130.65	1/4	4,487.87	1/4	4,827.14	1/4	5,166.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,776.32	1/2	4,138.19	1/2	4,495.13	1/2	4,833.99	1/2	5,173.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,783.86	3/4	4,145.73	3/4	4,502.39	3/4	4,840.84	3/4	5,181.24	3/4		3/4		3/4		3/4		3/4	
6	3,791.40	6	4,153.26	6	4,509.65	6	4,847.69	6	5,188.55	6		6		6		6		6	
1/4	3,798.94	1/4	4,160.80	1/4	4,516.88	1/4	4,854.51	1/4	5,194.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,806.48	1/2	4,168.34	1/2	4,524.11	1/2	4,861.32	1/2	5,201.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,814.02	3/4	4,175.88	3/4	4,531.34	3/4	4,868.14	3/4	5,207.51	3/4		3/4		3/4		3/4		3/4	
7	3,821.56	7	4,183.42	7	4,538.57	7	4,874.96	7	5,213.83	7		7		7		7		7	
1/4	3,829.10	1/4	4,190.96	1/4	4,545.77	1/4	4,881.75	1/4	5,218.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,836.63	1/2	4,198.50	1/2	4,552.97	1/2	4,888.53	1/2	5,224.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,844.17	3/4	4,206.04	3/4	4,560.17	3/4	4,895.32	3/4	5,229.15	3/4		3/4		3/4		3/4		3/4	
8	3,851.71	8	4,213.57	8	4,567.36	8	4,902.11	8	5,234.26	8		8		8		8		8	
1/4	3,859.25	1/4	4,221.10	1/4	4,574.53	1/4	4,908.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,866.79	1/2	4,228.63	1/2	4,581.69	1/2	4,915.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,874.33	3/4	4,236.16	3/4	4,588.85	3/4	4,922.38	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,881.87	9	4,243.69	9	4,596.02	9	4,929.14	9		9		9		9		9		9	
1/4	3,889.41	1/4	4,251.21	1/4	4,603.15	1/4	4,935.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,896.94	1/2	4,258.72	1/2	4,610.28	1/2	4,942.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,904.48	3/4	4,266.24	3/4	4,617.41	3/4	4,949.32	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,912.02	10	4,273.75	10	4,624.55	10	4,956.05	10		10		10		10		10		10	
1/4	3,919.56	1/4	4,281.24	1/4	4,631.65	1/4	4,962.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,927.10	1/2	4,288.72	1/2	4,638.75	1/2	4,969.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,934.64	3/4	4,296.20	3/4	4,645.85	3/4	4,976.12	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,942.18	11	4,303.69	11	4,652.96	11	4,982.82	11		11		11		11		11		11	
1/4	3,949.72	1/4	4,311.14	1/4	4,660.03	1/4	4,989.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,957.26	1/2	4,318.58	1/2	4,667.10	1/2	4,996.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,964.79	3/4	4,326.03	3/4	4,674.17	3/4	5,003.75	3/4		3/4		3/4		3/4		3/4		3/4	

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "DBL 309"

2 STBD INNAGE 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	21.34	0	354.44	0	714.93	0	1,068.66	0	1,422.06	0	1,783.82	0	2,145.58	0	2,507.34	0	2,867.29	0	3,228.92
1/4	25.56	1/4	361.83	1/4	722.47	1/4	1,075.85	1/4	1,429.59	1/4	1,791.36	1/4	2,153.12	1/4	2,514.88	1/4	2,874.82	1/4	3,236.45
1/2	29.79	1/2	369.22	1/2	730.00	1/2	1,083.05	1/2	1,437.13	1/2	1,798.89	1/2	2,160.65	1/2	2,522.42	1/2	2,882.36	1/2	3,243.98
3/4	34.01	3/4	376.61	3/4	737.54	3/4	1,090.24	3/4	1,444.67	3/4	1,806.43	3/4	2,168.19	3/4	2,529.95	3/4	2,889.89	3/4	3,251.52
1	38.24	1	384.00	1	745.08	1	1,097.43	1	1,452.20	1	1,813.97	1	2,175.73	1	2,537.49	1	2,897.42	1	3,259.05
1/4	43.72	1/4	391.39	1/4	752.61	1/4	1,104.63	1/4	1,459.74	1/4	1,821.50	1/4	2,183.26	1/4	2,545.03	1/4	2,904.96	1/4	3,266.58
1/2	49.20	1/2	398.77	1/2	760.15	1/2	1,111.82	1/2	1,467.28	1/2	1,829.04	1/2	2,190.80	1/2	2,552.56	1/2	2,912.49	1/2	3,274.12
3/4	54.68	3/4	406.16	3/4	767.69	3/4	1,119.01	3/4	1,474.81	3/4	1,836.58	3/4	2,198.34	3/4	2,560.10	3/4	2,920.03	3/4	3,281.65
2	60.15	2	413.55	2	775.22	2	1,126.21	2	1,482.35	2	1,844.11	2	2,205.87	2	2,567.64	2	2,927.56	2	3,289.19
1/4	66.89	1/4	421.07	1/4	782.76	1/4	1,133.40	1/4	1,489.89	1/4	1,851.65	1/4	2,213.41	1/4	2,575.17	1/4	2,935.09	1/4	3,296.72
1/2	73.63	1/2	428.59	1/2	790.30	1/2	1,140.59	1/2	1,497.42	1/2	1,859.19	1/2	2,220.95	1/2	2,582.71	1/2	2,942.63	1/2	3,304.25
3/4	80.36	3/4	436.10	3/4	797.83	3/4	1,147.79	3/4	1,504.96	3/4	1,866.72	3/4	2,228.48	3/4	2,590.25	3/4	2,950.16	3/4	3,311.79
3	87.10	3	443.62	3	805.37	3	1,154.98	3	1,512.50	3	1,874.26	3	2,236.02	3	2,597.78	3	2,957.69	3	3,319.32
1/4	94.54	1/4	451.16	1/4	812.90	1/4	1,162.17	1/4	1,520.03	1/4	1,881.80	1/4	2,243.56	1/4	2,605.31	1/4	2,965.23	1/4	3,326.86
1/2	101.99	1/2	458.69	1/2	820.44	1/2	1,169.37	1/2	1,527.57	1/2	1,889.33	1/2	2,251.09	1/2	2,612.84	1/2	2,972.76	1/2	3,334.39
3/4	109.43	3/4	466.23	3/4	827.98	3/4	1,176.56	3/4	1,535.11	3/4	1,896.87	3/4	2,258.63	3/4	2,620.38	3/4	2,980.30	3/4	3,341.92
4	116.87	4	473.77	4	835.51	4	1,183.75	4	1,542.64	4	1,904.41	4	2,266.17	4	2,627.91	4	2,987.83	4	3,349.46
1/4	124.39	1/4	481.30	1/4	843.05	1/4	1,190.95	1/4	1,550.18	1/4	1,911.94	1/4	2,273.70	1/4	2,635.35	1/4	2,995.36	1/4	3,356.99
1/2	131.92	1/2	488.84	1/2	850.59	1/2	1,198.14	1/2	1,557.72	1/2	1,919.48	1/2	2,281.24	1/2	2,642.79	1/2	3,002.90	1/2	3,364.53
3/4	139.44	3/4	496.38	3/4	858.12	3/4	1,205.33	3/4	1,565.26	3/4	1,927.02	3/4	2,288.78	3/4	2,650.23	3/4	3,010.43	3/4	3,372.06
5	146.96	5	503.91	5	865.66	5	1,212.53	5	1,572.79	5	1,934.55	5	2,296.31	5	2,657.67	5	3,017.97	5	3,379.59
1/4	154.48	1/4	511.45	1/4	873.20	1/4	1,219.73	1/4	1,580.33	1/4	1,942.09	1/4	2,303.85	1/4	2,665.10	1/4	3,025.50	1/4	3,387.13
1/2	162.00	1/2	518.99	1/2	880.73	1/2	1,226.93	1/2	1,587.87	1/2	1,949.63	1/2	2,311.39	1/2	2,672.52	1/2	3,033.03	1/2	3,394.66
3/4	169.52	3/4	526.52	3/4	888.27	3/4	1,234.14	3/4	1,595.40	3/4	1,957.16	3/4	2,318.93	3/4	2,679.95	3/4	3,040.57	3/4	3,402.20
6	177.04	6	534.06	6	895.81	6	1,241.34	6	1,602.94	6	1,964.70	6	2,326.46	6	2,687.38	6	3,048.10	6	3,409.73
1/4	184.45	1/4	541.59	1/4	903.05	1/4	1,248.84	1/4	1,610.48	1/4	1,972.24	1/4	2,334.00	1/4	2,694.81	1/4	3,055.64	1/4	3,417.26
1/2	191.86	1/2	549.13	1/2	910.30	1/2	1,256.33	1/2	1,618.01	1/2	1,979.77	1/2	2,341.54	1/2	2,702.23	1/2	3,063.17	1/2	3,424.80
3/4	199.26	3/4	556.67	3/4	917.54	3/4	1,263.83	3/4	1,625.55	3/4	1,987.31	3/4	2,349.07	3/4	2,709.66	3/4	3,070.70	3/4	3,432.33
7	206.67	7	564.20	7	924.79	7	1,271.32	7	1,633.09	7	1,994.85	7	2,356.61	7	2,717.09	7	3,078.24	7	3,439.86
1/4	214.05	1/4	571.74	1/4	931.98	1/4	1,278.86	1/4	1,640.62	1/4	2,002.38	1/4	2,364.15	1/4	2,724.52	1/4	3,085.77	1/4	3,447.40
1/2	221.44	1/2	579.28	1/2	939.18	1/2	1,286.40	1/2	1,648.16	1/2	2,009.92	1/2	2,371.68	1/2	2,731.94	1/2	3,093.31	1/2	3,454.93
3/4	228.83	3/4	586.81	3/4	946.37	3/4	1,293.93	3/4	1,655.70	3/4	2,017.46	3/4	2,379.22	3/4	2,739.37	3/4	3,100.84	3/4	3,462.47
8	236.22	8	594.35	8	953.57	8	1,301.47	8	1,663.23	8	2,024.99	8	2,386.76	8	2,746.80	8	3,108.37	8	3,470.00
1/4	243.61	1/4	601.89	1/4	960.76	1/4	1,309.01	1/4	1,670.77	1/4	2,032.53	1/4	2,394.29	1/4	2,754.32	1/4	3,115.91	1/4	3,477.53
1/2	251.00	1/2	609.42	1/2	967.95	1/2	1,316.54	1/2	1,678.31	1/2	2,040.07	1/2	2,401.83	1/2	2,761.84	1/2	3,123.44	1/2	3,485.07
3/4	258.39	3/4	616.96	3/4	975.15	3/4	1,324.08	3/4	1,685.84	3/4	2,047.60	3/4	2,409.37	3/4	2,769.36	3/4	3,130.97	3/4	3,492.60
9	265.78	9	624.49	9	982.34	9	1,331.62	9	1,693.38	9	2,055.14	9	2,416.90	9	2,776.88	9	3,138.51	9	3,500.14
1/4	273.16	1/4	632.03	1/4	989.53	1/4	1,339.15	1/4	1,700.92	1/4	2,062.68	1/4	2,424.44	1/4	2,784.42	1/4	3,146.04	1/4	3,507.67
1/2	280.55	1/2	639.57	1/2	996.73	1/2	1,346.69	1/2	1,708.45	1/2	2,070.21	1/2	2,431.98	1/2	2,791.95	1/2	3,153.58	1/2	3,515.20
3/4	287.94	3/4	647.10	3/4	1,003.92	3/4	1,354.23	3/4	1,715.99	3/4	2,077.75	3/4	2,439.51	3/4	2,799.48	3/4	3,161.11	3/4	3,522.74
10	295.33	10	654.64	10	1,011.11	10	1,361.76	10	1,723.53	10	2,085.29	10	2,447.05	10	2,807.02	10	3,168.64	10	3,530.27
1/4	302.72	1/4	662.18	1/4	1,018.31	1/4	1,369.30	1/4	1,731.06	1/4	2,092.82	1/4	2,454.59	1/4	2,814.55	1/4	3,176.18	1/4	3,537.81
1/2	310.11	1/2	669.71	1/2	1,025.50	1/2	1,376.84	1/2	1,738.60	1/2	2,100.36	1/2	2,462.12	1/2	2,822.08	1/2	3,183.71	1/2	3,545.34
3/4	317.50	3/4	677.25	3/4	1,032.69	3/4	1,384.37	3/4	1,746.14	3/4	2,107.90	3/4	2,469.66	3/4	2,829.62	3/4	3,191.25	3/4	3,552.87
11	324.89	11	684.79	11	1,039.89	11	1,391.91	11	1,753.67	11	2,115.43	11	2,477.20	11	2,837.15	11	3,198.78	11	3,560.41
1/4	332.28	1/4	692.32	1/4	1,047.08	1/4	1,399.45	1/4	1,761.21	1/4	2,122.97	1/4	2,484.73	1/4	2,844.69	1/4	3,206.31	1/4	3,567.94
1/2	339.66	1/2	699.86	1/2	1,054.27	1/2	1,406.98	1/2	1,768.75	1/2	2,130.51	1/2	2,492.27	1/2	2,852.22	1/2	3,213.85	1/2	3,575.47
3/4	347.05	3/4	707.40	3/4	1,061.47	3/4	1,414.52	3/4	1,776.28	3/4	2,138.04	3/4	2,499.81	3/4	2,859.75	3/4	3,221.38	3/4	3,583.01

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

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



BARGE "DBL 309"

**2 STBD
INNAGE 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	3,590.54	0	3,952.17	0	4,313.09	0	4,660.64	0	4,989.92	0		0		0					
1/4	3,598.08	1/4	3,959.70	1/4	4,320.51	1/4	4,667.67	1/4	4,997.31	1/4		1/4		1/4					
1/2	3,605.61	1/2	3,967.24	1/2	4,327.92	1/2	4,674.71	1/2	5,004.69	1/2		1/2		1/2					
3/4	3,613.14	3/4	3,974.77	3/4	4,335.34	3/4	4,681.74	3/4	5,012.07	3/4		3/4		3/4					
1	3,620.68	1	3,982.31	1	4,342.75	1	4,688.78	1	5,019.46	1		1		1					
1/4	3,628.21	1/4	3,989.84	1/4	4,350.13	1/4	4,695.75	1/4	5,026.89	1/4		1/4		1/4					
1/2	3,635.75	1/2	3,997.37	1/2	4,357.52	1/2	4,702.73	1/2	5,034.33	1/2		1/2		1/2					
3/4	3,643.28	3/4	4,004.91	3/4	4,364.90	3/4	4,709.70	3/4	5,041.76	3/4		3/4		3/4					
2	3,650.81	2	4,012.44	2	4,372.28	2	4,716.68	2	5,049.20	2		2		2					
1/4	3,658.35	1/4	4,019.97	1/4	4,379.64	1/4	4,723.62	1/4	5,056.63	1/4		1/4		1/4					
1/2	3,665.88	1/2	4,027.51	1/2	4,386.99	1/2	4,730.56	1/2	5,064.07	1/2		1/2		1/2					
3/4	3,673.42	3/4	4,035.04	3/4	4,394.35	3/4	4,737.50	3/4	5,071.51	3/4		3/4		3/4					
3	3,680.95	3	4,042.58	3	4,401.70	3	4,744.44	3	5,078.94	3		3		3					
1/4	3,688.48	1/4	4,050.11	1/4	4,409.02	1/4	4,751.36	1/4	5,086.38	1/4		1/4		1/4					
1/2	3,696.02	1/2	4,057.64	1/2	4,416.34	1/2	4,758.27	1/2	5,093.81	1/2		1/2		1/2					
3/4	3,703.55	3/4	4,065.18	3/4	4,423.66	3/4	4,765.18	3/4	5,101.25	3/4		3/4		3/4					
4	3,711.08	4	4,072.71	4	4,430.98	4	4,772.09	4	5,108.68	4		4		4					
1/4	3,718.62	1/4	4,080.25	1/4	4,438.27	1/4	4,778.97	1/4	5,116.12	1/4		1/4		1/4					
1/2	3,726.15	1/2	4,087.78	1/2	4,445.55	1/2	4,785.84	1/2	5,123.55	1/2		1/2		1/2					
3/4	3,733.69	3/4	4,095.31	3/4	4,452.84	3/4	4,792.72	3/4	5,130.99	3/4		3/4		3/4					
5	3,741.22	5	4,102.85	5	4,460.13	5	4,799.60	5	5,138.43	5		5		5					
1/4	3,748.75	1/4	4,110.38	1/4	4,467.38	1/4	4,806.45	1/4	5,145.72	1/4		1/4		1/4					
1/2	3,756.29	1/2	4,117.92	1/2	4,474.64	1/2	4,813.29	1/2	5,153.02	1/2		1/2		1/2					
3/4	3,763.82	3/4	4,125.45	3/4	4,481.89	3/4	4,820.13	3/4	5,160.32	3/4		3/4		3/4					
6	3,771.36	6	4,132.98	6	4,489.15	6	4,826.98	6	5,167.62	6		6		6					
1/4	3,778.89	1/4	4,140.52	1/4	4,496.38	1/4	4,833.79	1/4	5,173.93	1/4		1/4		1/4					
1/2	3,786.42	1/2	4,148.05	1/2	4,503.60	1/2	4,840.60	1/2	5,180.25	1/2		1/2		1/2					
3/4	3,793.96	3/4	4,155.59	3/4	4,510.83	3/4	4,847.42	3/4	5,186.57	3/4		3/4		3/4					
7	3,801.49	7	4,163.12	7	4,518.05	7	4,854.23	7	5,192.88	7		7		7					
1/4	3,809.03	1/4	4,170.65	1/4	4,525.25	1/4	4,861.02	1/4	5,197.99	1/4		1/4		1/4					
1/2	3,816.56	1/2	4,178.19	1/2	4,532.44	1/2	4,867.80	1/2	5,203.09	1/2		1/2		1/2					
3/4	3,824.09	3/4	4,185.72	3/4	4,539.63	3/4	4,874.58	3/4	5,208.20	3/4		3/4		3/4					
8	3,831.63	8	4,193.25	8	4,546.82	8	4,881.37	8	5,213.30	8		8		8					
1/4	3,839.16	1/4	4,200.78	1/4	4,553.98	1/4	4,888.12	1/4		1/4		1/4		1/4					
1/2	3,846.70	1/2	4,208.31	1/2	4,561.14	1/2	4,894.87	1/2		1/2		1/2		1/2					
3/4	3,854.23	3/4	4,215.83	3/4	4,568.30	3/4	4,901.63	3/4		3/4		3/4		3/4					
9	3,861.76	9	4,223.36	9	4,575.46	9	4,908.38	9		9		9		9					
1/4	3,869.30	1/4	4,230.87	1/4	4,582.59	1/4	4,915.10	1/4		1/4		1/4		1/4					
1/2	3,876.83	1/2	4,238.38	1/2	4,589.72	1/2	4,921.82	1/2		1/2		1/2		1/2					
3/4	3,884.36	3/4	4,245.89	3/4	4,596.84	3/4	4,928.55	3/4		3/4		3/4		3/4					
10	3,891.90	10	4,253.40	10	4,603.97	10	4,935.27	10		10		10		10					
1/4	3,899.43	1/4	4,260.88	1/4	4,611.07	1/4	4,941.96	1/4		1/4		1/4		1/4					
1/2	3,906.97	1/2	4,268.36	1/2	4,618.17	1/2	4,948.65	1/2		1/2		1/2		1/2					
3/4	3,914.50	3/4	4,275.84	3/4	4,625.27	3/4	4,955.33	3/4		3/4		3/4		3/4					
11	3,922.03	11	4,283.32	11	4,632.36	11	4,962.02	11		11		11		11					
1/4	3,929.57	1/4	4,290.76	1/4	4,639.43	1/4	4,969.00	1/4		1/4		1/4		1/4					
1/2	3,937.10	1/2	4,298.20	1/2	4,646.50	1/2	4,975.97	1/2		1/2		1/2		1/2					
3/4	3,944.64	3/4	4,305.65	3/4	4,653.57	3/4	4,982.95	3/4		3/4		3/4		3/4					

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "DBL 309"

3 PORT INNAGE 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	21.27	0	353.34	0	712.72	0	1,073.15	0	1,433.64	0	1,794.29	0	2,154.91	0	2,515.48	0	2,875.85	0	3,235.34
1/4	25.49	1/4	360.71	1/4	720.24	1/4	1,080.66	1/4	1,441.15	1/4	1,801.81	1/4	2,162.43	1/4	2,522.99	1/4	2,883.53	1/4	3,242.81
1/2	29.70	1/2	368.07	1/2	727.75	1/2	1,088.16	1/2	1,448.67	1/2	1,809.32	1/2	2,169.94	1/2	2,530.50	1/2	2,890.85	1/2	3,250.27
3/4	33.91	3/4	375.44	3/4	735.26	3/4	1,095.67	3/4	1,456.18	3/4	1,816.83	3/4	2,177.45	3/4	2,538.02	3/4	2,898.35	3/4	3,257.73
1	38.12	1	382.80	1	742.78	1	1,103.17	1	1,463.69	1	1,824.35	1	2,184.96	1	2,545.53	1	2,905.84	1	3,265.20
1/4	43.59	1/4	390.17	1/4	750.29	1/4	1,110.68	1/4	1,471.21	1/4	1,831.86	1/4	2,192.47	1/4	2,553.04	1/4	2,913.34	1/4	3,272.66
1/2	49.05	1/2	397.53	1/2	757.80	1/2	1,118.18	1/2	1,478.72	1/2	1,839.37	1/2	2,199.98	1/2	2,560.55	1/2	2,920.84	1/2	3,280.12
3/4	54.51	3/4	404.90	3/4	765.32	3/4	1,125.68	3/4	1,486.23	3/4	1,846.89	3/4	2,207.50	3/4	2,568.06	3/4	2,928.34	3/4	3,287.59
2	59.97	2	412.26	2	772.83	2	1,133.19	2	1,493.75	2	1,854.40	2	2,215.01	2	2,575.57	2	2,935.83	2	3,295.05
1/4	66.69	1/4	419.76	1/4	780.34	1/4	1,140.69	1/4	1,501.26	1/4	1,861.91	1/4	2,222.52	1/4	2,583.09	1/4	2,943.33	1/4	3,302.51
1/2	73.41	1/2	427.25	1/2	787.86	1/2	1,148.20	1/2	1,508.78	1/2	1,869.43	1/2	2,230.03	1/2	2,590.60	1/2	2,950.83	1/2	3,309.98
3/4	80.12	3/4	434.75	3/4	795.37	3/4	1,155.70	3/4	1,516.29	3/4	1,876.94	3/4	2,237.54	3/4	2,598.11	3/4	2,958.33	3/4	3,317.44
3	86.84	3	442.24	3	802.88	3	1,163.20	3	1,523.80	3	1,884.46	3	2,245.06	3	2,605.62	3	2,965.83	3	3,324.90
1/4	94.26	1/4	449.76	1/4	810.40	1/4	1,170.71	1/4	1,531.32	1/4	1,891.97	1/4	2,252.57	1/4	2,613.13	1/4	2,973.32	1/4	3,332.38
1/2	101.68	1/2	457.27	1/2	817.91	1/2	1,178.21	1/2	1,538.83	1/2	1,899.48	1/2	2,260.08	1/2	2,620.64	1/2	2,980.82	1/2	3,339.86
3/4	109.10	3/4	464.78	3/4	825.42	3/4	1,185.72	3/4	1,546.34	3/4	1,907.00	3/4	2,267.59	3/4	2,628.15	3/4	2,988.32	3/4	3,347.34
4	116.52	4	472.30	4	832.94	4	1,193.22	4	1,553.86	4	1,914.51	4	2,275.10	4	2,635.66	4	2,995.82	4	3,354.81
1/4	124.02	1/4	479.81	1/4	840.45	1/4	1,200.73	1/4	1,561.37	1/4	1,922.02	1/4	2,282.61	1/4	2,643.17	1/4	3,003.31	1/4	3,362.29
1/2	131.51	1/2	487.32	1/2	847.96	1/2	1,208.24	1/2	1,568.88	1/2	1,929.54	1/2	2,290.13	1/2	2,650.68	1/2	3,010.81	1/2	3,369.77
3/4	139.01	3/4	494.84	3/4	855.48	3/4	1,215.75	3/4	1,576.40	3/4	1,937.05	3/4	2,297.64	3/4	2,658.19	3/4	3,018.31	3/4	3,377.25
5	146.51	5	502.35	5	862.99	5	1,223.26	5	1,583.91	5	1,944.56	5	2,305.15	5	2,665.70	5	3,025.81	5	3,384.73
1/4	154.01	1/4	509.86	1/4	870.50	1/4	1,230.77	1/4	1,591.42	1/4	1,952.08	1/4	2,312.66	1/4	2,673.21	1/4	3,033.30	1/4	3,392.21
1/2	161.51	1/2	517.38	1/2	878.02	1/2	1,238.29	1/2	1,598.94	1/2	1,959.59	1/2	2,320.17	1/2	2,680.72	1/2	3,040.80	1/2	3,399.69
3/4	169.01	3/4	524.89	3/4	885.53	3/4	1,245.80	3/4	1,606.45	3/4	1,967.10	3/4	2,327.69	3/4	2,688.23	3/4	3,048.30	3/4	3,407.17
6	176.51	6	532.40	6	893.04	6	1,253.31	6	1,613.97	6	1,974.62	6	2,335.20	6	2,695.74	6	3,055.80	6	3,414.65
1/4	183.99	1/4	539.92	1/4	900.55	1/4	1,260.83	1/4	1,621.48	1/4	1,982.13	1/4	2,342.71	1/4	2,703.26	1/4	3,063.29	1/4	3,422.12
1/2	191.27	1/2	547.43	1/2	908.06	1/2	1,268.34	1/2	1,628.99	1/2	1,989.65	1/2	2,350.22	1/2	2,710.77	1/2	3,070.79	1/2	3,429.60
3/4	198.65	3/4	554.94	3/4	915.56	3/4	1,275.85	3/4	1,636.51	3/4	1,997.16	3/4	2,357.73	3/4	2,718.28	3/4	3,078.29	3/4	3,437.08
7	206.03	7	562.46	7	923.07	7	1,283.37	7	1,644.02	7	2,004.67	7	2,365.24	7	2,725.79	7	3,085.79	7	3,444.56
1/4	213.40	1/4	569.97	1/4	930.58	1/4	1,290.88	1/4	1,651.53	1/4	2,012.19	1/4	2,372.76	1/4	2,733.30	1/4	3,093.28	1/4	3,452.04
1/2	220.76	1/2	577.48	1/2	938.08	1/2	1,298.39	1/2	1,659.05	1/2	2,019.70	1/2	2,380.27	1/2	2,740.81	1/2	3,100.78	1/2	3,459.52
3/4	228.13	3/4	585.00	3/4	945.58	3/4	1,305.91	3/4	1,666.56	3/4	2,027.21	3/4	2,387.78	3/4	2,748.32	3/4	3,108.28	3/4	3,467.00
8	235.49	8	592.51	8	953.09	8	1,313.42	8	1,674.07	8	2,034.73	8	2,395.29	8	2,755.83	8	3,115.78	8	3,474.48
1/4	242.86	1/4	600.02	1/4	960.59	1/4	1,320.94	1/4	1,681.59	1/4	2,042.24	1/4	2,402.80	1/4	2,763.34	1/4	3,123.27	1/4	3,481.96
1/2	250.23	1/2	607.54	1/2	968.10	1/2	1,328.45	1/2	1,689.10	1/2	2,049.75	1/2	2,410.31	1/2	2,770.85	1/2	3,130.77	1/2	3,489.44
3/4	257.59	3/4	615.05	3/4	975.60	3/4	1,335.96	3/4	1,696.62	3/4	2,057.26	3/4	2,417.83	3/4	2,778.36	3/4	3,138.27	3/4	3,496.91
9	264.96	9	622.56	9	983.11	9	1,343.48	9	1,704.13	9	2,064.77	9	2,425.34	9	2,785.88	9	3,145.77	9	3,504.39
1/4	272.32	1/4	630.08	1/4	990.61	1/4	1,350.99	1/4	1,711.64	1/4	2,072.28	1/4	2,432.85	1/4	2,793.38	1/4	3,153.24	1/4	3,508.87
1/2	279.69	1/2	637.59	1/2	998.11	1/2	1,358.50	1/2	1,719.16	1/2	2,079.80	1/2	2,440.36	1/2	2,800.87	1/2	3,160.70	1/2	3,513.34
3/4	287.05	3/4	645.10	3/4	1,005.62	3/4	1,366.02	3/4	1,726.67	3/4	2,087.31	3/4	2,447.87	3/4	2,808.37	3/4	3,168.17	3/4	3,517.82
10	294.42	10	652.62	10	1,013.12	10	1,373.53	10	1,734.18	10	2,094.82	10	2,455.39	10	2,815.87	10	3,175.64	10	3,522.29
1/4	301.78	1/4	660.13	1/4	1,020.63	1/4	1,381.04	1/4	1,741.70	1/4	2,102.33	1/4	2,462.90	1/4	2,823.37	1/4	3,183.10	1/4	3,526.33
1/2	309.15	1/2	667.64	1/2	1,028.13	1/2	1,388.56	1/2	1,749.21	1/2	2,109.84	1/2	2,470.41	1/2	2,830.87	1/2	3,190.57	1/2	3,530.38
3/4	316.51	3/4	675.16	3/4	1,035.63	3/4	1,396.07	3/4	1,756.72	3/4	2,117.35	3/4	2,477.92	3/4	2,838.37	3/4	3,198.03	3/4	3,534.43
11	323.88	11	682.67	11	1,043.14	11	1,403.58	11	1,764.24	11	2,124.87	11	2,485.43	11	2,845.86	11	3,205.49	11	3,538.47
1/4	331.25	1/4	690.18	1/4	1,050.64	1/4	1,411.10	1/4	1,771.75	1/4	2,132.38	1/4	2,492.94	1/4	2,853.36	1/4	3,212.96	1/4	3,542.52
1/2	338.61	1/2	697.70	1/2	1,058.15	1/2	1,418.61	1/2	1,779.26	1/2	2,139.89	1/2	2,500.46	1/2	2,860.86	1/2	3,220.42	1/2	3,546.56
3/4	345.98	3/4	705.21	3/4	1,065.65	3/4	1,426.13	3/4	1,786.78	3/4	2,147.40	3/4	2,507.97	3/4	2,868.36	3/4	3,227.88	3/4	3,550.61

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 INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55' 3" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "DBL 309"

3 PORT INNAGE 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	3,554.65	0	3,748.82	0	3,942.29	0	4,122.41	0	4,285.03	0		0		0					
1/4	3,558.70	1/4	3,752.86	1/4	3,946.21	1/4	4,125.95	1/4	4,288.97	1/4		1/4		1/4					1/4
1/2	3,562.74	1/2	3,756.91	1/2	3,950.14	1/2	4,129.50	1/2	4,292.91	1/2		1/2		1/2					1/2
3/4	3,566.79	3/4	3,760.95	3/4	3,954.06	3/4	4,133.05	3/4	4,296.85	3/4		3/4		3/4					3/4
1	3,570.83	1	3,765.00	1	3,957.99	1	4,136.60	1	4,300.79	1		1		1					1
1/4	3,574.88	1/4	3,769.04	1/4	3,961.88	1/4	4,140.10	1/4	4,304.79	1/4		1/4		1/4					1/4
1/2	3,578.92	1/2	3,773.09	1/2	3,965.78	1/2	4,143.60	1/2	4,308.78	1/2		1/2		1/2					1/2
3/4	3,582.97	3/4	3,777.13	3/4	3,969.67	3/4	4,147.10	3/4	4,312.77	3/4		3/4		3/4					3/4
2	3,587.01	2	3,781.18	2	3,973.57	2	4,150.60	2	4,316.76	2		2		2					2
1/4	3,591.06	1/4	3,785.22	1/4	3,977.43	1/4	4,154.07	1/4	4,320.75	1/4		1/4		1/4					1/4
1/2	3,595.10	1/2	3,789.27	1/2	3,981.30	1/2	4,157.54	1/2	4,324.75	1/2		1/2		1/2					1/2
3/4	3,599.15	3/4	3,793.31	3/4	3,985.16	3/4	4,161.00	3/4	4,328.74	3/4		3/4		3/4					3/4
3	3,603.19	3	3,797.36	3	3,989.03	3	4,164.47	3	4,332.73	3		3		3					3
1/4	3,607.24	1/4	3,801.40	1/4	3,992.86	1/4	4,167.91	1/4	4,336.72	1/4		1/4		1/4					1/4
1/2	3,611.28	1/2	3,805.45	1/2	3,996.69	1/2	4,171.35	1/2	4,340.71	1/2		1/2		1/2					1/2
3/4	3,615.33	3/4	3,809.49	3/4	4,000.53	3/4	4,174.79	3/4	4,344.71	3/4		3/4		3/4					3/4
4	3,619.37	4	3,813.54	4	4,004.36	4	4,178.23	4	4,348.70	4		4		4					4
1/4	3,623.42	1/4	3,817.58	1/4	4,008.16	1/4	4,181.63	1/4	4,352.69	1/4		1/4		1/4					1/4
1/2	3,627.46	1/2	3,821.63	1/2	4,011.96	1/2	4,185.04	1/2	4,356.68	1/2		1/2		1/2					1/2
3/4	3,631.51	3/4	3,825.67	3/4	4,015.75	3/4	4,188.44	3/4	4,360.67	3/4		3/4		3/4					3/4
5	3,635.55	5	3,829.72	5	4,019.55	5	4,191.85	5	4,364.67	5		5		5					5
1/4	3,639.60	1/4	3,833.76	1/4	4,023.32	1/4	4,195.22	1/4	4,368.52	1/4		1/4		1/4					1/4
1/2	3,643.64	1/2	3,837.81	1/2	4,027.09	1/2	4,198.59	1/2	4,372.38	1/2		1/2		1/2					1/2
3/4	3,647.69	3/4	3,841.85	3/4	4,030.86	3/4	4,201.96	3/4	4,376.24	3/4		3/4		3/4					3/4
6	3,651.73	6	3,845.90	6	4,034.62	6	4,205.34	6	4,380.10	6		6		6					6
1/4	3,655.78	1/4	3,849.94	1/4	4,038.36	1/4	4,208.68	1/4	4,382.97	1/4		1/4		1/4					1/4
1/2	3,659.82	1/2	3,853.99	1/2	4,042.10	1/2	4,212.02	1/2	4,385.85	1/2		1/2		1/2					1/2
3/4	3,663.87	3/4	3,858.03	3/4	4,045.84	3/4	4,215.36	3/4	4,388.73	3/4		3/4		3/4					3/4
7	3,667.91	7	3,862.08	7	4,049.58	7	4,218.70	7	4,391.61	7		7		7					7
1/4	3,671.96	1/4	3,866.12	1/4	4,053.28	1/4	4,222.01	1/4	4,393.27	1/4		1/4		1/4					1/4
1/2	3,676.00	1/2	3,870.17	1/2	4,056.99	1/2	4,225.32	1/2	4,394.92	1/2		1/2		1/2					1/2
3/4	3,680.05	3/4	3,874.21	3/4	4,060.69	3/4	4,228.63	3/4	4,396.58	3/4		3/4		3/4					3/4
8	3,684.09	8	3,878.26	8	4,064.40	8	4,231.95	8	4,398.24	8		8		8					8
1/4	3,688.14	1/4	3,882.30	1/4	4,068.07	1/4	4,235.23	1/4		1/4		1/4		1/4					1/4
1/2	3,692.18	1/2	3,886.34	1/2	4,071.74	1/2	4,238.51	1/2		1/2		1/2		1/2					1/2
3/4	3,696.23	3/4	3,890.38	3/4	4,075.41	3/4	4,241.79	3/4		3/4		3/4		3/4					3/4
9	3,700.27	9	3,894.42	9	4,079.08	9	4,245.07	9		9		9		9					9
1/4	3,704.32	1/4	3,898.44	1/4	4,082.72	1/4	4,248.32	1/4		1/4		1/4		1/4					1/4
1/2	3,708.36	1/2	3,902.46	1/2	4,086.36	1/2	4,251.57	1/2		1/2		1/2		1/2					1/2
3/4	3,712.41	3/4	3,906.48	3/4	4,090.00	3/4	4,254.82	3/4		3/4		3/4		3/4					3/4
10	3,716.45	10	3,910.50	10	4,093.64	10	4,258.06	10		10		10		10					10
1/4	3,720.50	1/4	3,914.49	1/4	4,097.25	1/4	4,261.28	1/4		1/4		1/4		1/4					1/4
1/2	3,724.54	1/2	3,918.48	1/2	4,100.86	1/2	4,264.49	1/2		1/2		1/2		1/2					1/2
3/4	3,728.59	3/4	3,922.47	3/4	4,104.47	3/4	4,267.71	3/4		3/4		3/4		3/4					3/4
11	3,732.63	11	3,926.46	11	4,108.08	11	4,270.92	11		11		11		11					11
1/4	3,736.68	1/4	3,930.42	1/4	4,111.66	1/4	4,274.45	1/4		1/4		1/4		1/4					1/4
1/2	3,740.73	1/2	3,934.37	1/2	4,115.25	1/2	4,277.98	1/2		1/2		1/2		1/2					1/2
3/4	3,744.77	3/4	3,938.33	3/4	4,118.83	3/4	4,281.51	3/4		3/4		3/4		3/4					3/4

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "DBL 309"

3 STBD INNAGE 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	21.25	0	352.42	0	710.84	0	1,058.96	0	1,412.04	0	1,771.09	0	2,130.63	0	2,490.12	0	2,847.71	0	3,205.94
1/4	25.46	1/4	359.77	1/4	718.33	1/4	1,066.11	1/4	1,419.47	1/4	1,778.58	1/4	2,138.12	1/4	2,497.61	1/4	2,855.18	1/4	3,213.38
1/2	29.67	1/2	367.12	1/2	725.82	1/2	1,073.27	1/2	1,426.90	1/2	1,786.07	1/2	2,145.61	1/2	2,505.10	1/2	2,862.66	1/2	3,220.82
3/4	33.87	3/4	374.46	3/4	733.32	3/4	1,080.43	3/4	1,434.33	3/4	1,793.56	3/4	2,153.10	3/4	2,512.59	3/4	2,870.13	3/4	3,228.26
1	38.08	1	381.81	1	740.81	1	1,087.58	1	1,441.76	1	1,801.05	1	2,160.59	1	2,520.08	1	2,877.61	1	3,235.70
1/4	43.53	1/4	389.15	1/4	748.30	1/4	1,094.74	1/4	1,449.19	1/4	1,808.54	1/4	2,168.08	1/4	2,527.56	1/4	2,885.08	1/4	3,243.15
1/2	48.97	1/2	396.50	1/2	755.80	1/2	1,101.89	1/2	1,456.62	1/2	1,816.04	1/2	2,175.57	1/2	2,535.05	1/2	2,892.55	1/2	3,250.59
3/4	54.42	3/4	403.84	3/4	763.29	3/4	1,109.05	3/4	1,464.05	3/4	1,823.53	3/4	2,183.06	3/4	2,542.54	3/4	2,900.02	3/4	3,258.03
2	59.87	2	411.19	2	770.78	2	1,116.20	2	1,471.48	2	1,831.02	2	2,190.55	2	2,550.03	2	2,907.48	2	3,265.47
1/4	66.56	1/4	418.66	1/4	778.27	1/4	1,123.36	1/4	1,478.96	1/4	1,838.51	1/4	2,198.04	1/4	2,557.52	1/4	2,914.95	1/4	3,272.91
1/2	73.24	1/2	426.14	1/2	785.77	1/2	1,130.52	1/2	1,486.44	1/2	1,846.00	1/2	2,205.52	1/2	2,565.01	1/2	2,922.42	1/2	3,280.35
3/4	79.93	3/4	433.61	3/4	793.26	3/4	1,137.67	3/4	1,493.93	3/4	1,853.49	3/4	2,213.01	3/4	2,572.50	3/4	2,929.89	3/4	3,287.79
3	86.62	3	441.08	3	800.75	3	1,144.83	3	1,501.41	3	1,860.98	3	2,220.50	3	2,579.99	3	2,937.35	3	3,295.23
1/4	94.02	1/4	448.58	1/4	808.00	1/4	1,152.23	1/4	1,508.90	1/4	1,868.47	1/4	2,227.99	1/4	2,587.48	1/4	2,944.82	1/4	3,302.69
1/2	101.42	1/2	456.07	1/2	815.24	1/2	1,159.63	1/2	1,516.39	1/2	1,875.96	1/2	2,235.48	1/2	2,594.96	1/2	2,952.29	1/2	3,310.14
3/4	108.82	3/4	463.56	3/4	822.49	3/4	1,167.04	3/4	1,523.88	3/4	1,883.46	3/4	2,242.97	3/4	2,602.45	3/4	2,959.76	3/4	3,317.60
4	116.22	4	471.06	4	829.73	4	1,174.44	4	1,531.37	4	1,890.95	4	2,250.46	4	2,609.94	4	2,967.22	4	3,325.05
1/4	123.70	1/4	478.55	1/4	836.92	1/4	1,181.85	1/4	1,538.86	1/4	1,898.44	1/4	2,257.95	1/4	2,617.33	1/4	2,974.69	1/4	3,332.51
1/2	131.18	1/2	486.04	1/2	844.10	1/2	1,189.27	1/2	1,546.36	1/2	1,905.93	1/2	2,265.44	1/2	2,624.73	1/2	2,982.16	1/2	3,339.96
3/4	138.67	3/4	493.54	3/4	851.29	3/4	1,196.68	3/4	1,553.85	3/4	1,913.42	3/4	2,272.93	3/4	2,632.12	3/4	2,989.63	3/4	3,347.42
5	146.15	5	501.03	5	858.47	5	1,204.10	5	1,561.34	5	1,920.91	5	2,280.42	5	2,639.52	5	2,997.09	5	3,354.88
1/4	153.63	1/4	508.52	1/4	865.65	1/4	1,211.51	1/4	1,568.83	1/4	1,928.40	1/4	2,287.91	1/4	2,646.90	1/4	3,004.56	1/4	3,362.33
1/2	161.11	1/2	516.02	1/2	872.84	1/2	1,218.92	1/2	1,576.32	1/2	1,935.89	1/2	2,295.40	1/2	2,654.28	1/2	3,012.03	1/2	3,369.79
3/4	168.59	3/4	523.51	3/4	880.02	3/4	1,226.33	3/4	1,583.81	3/4	1,943.38	3/4	2,302.89	3/4	2,661.66	3/4	3,019.50	3/4	3,377.25
6	176.07	6	531.00	6	887.20	6	1,233.75	6	1,591.30	6	1,950.88	6	2,310.37	6	2,669.04	6	3,026.97	6	3,384.70
1/4	183.43	1/4	538.50	1/4	894.36	1/4	1,241.17	1/4	1,598.79	1/4	1,958.37	1/4	2,317.86	1/4	2,676.43	1/4	3,034.43	1/4	3,392.16
1/2	190.79	1/2	545.99	1/2	901.52	1/2	1,248.60	1/2	1,606.28	1/2	1,965.86	1/2	2,325.35	1/2	2,683.81	1/2	3,041.90	1/2	3,399.62
3/4	198.15	3/4	553.48	3/4	908.68	3/4	1,256.03	3/4	1,613.78	3/4	1,973.35	3/4	2,332.84	3/4	2,691.19	3/4	3,049.37	3/4	3,407.07
7	205.51	7	560.97	7	915.84	7	1,263.45	7	1,621.27	7	1,980.84	7	2,340.33	7	2,698.57	7	3,056.84	7	3,414.53
1/4	212.86	1/4	568.47	1/4	923.00	1/4	1,270.88	1/4	1,628.76	1/4	1,988.33	1/4	2,347.82	1/4	2,705.95	1/4	3,064.31	1/4	3,421.98
1/2	220.21	1/2	575.96	1/2	930.16	1/2	1,278.31	1/2	1,636.25	1/2	1,995.82	1/2	2,355.31	1/2	2,713.33	1/2	3,071.78	1/2	3,429.44
3/4	227.55	3/4	583.45	3/4	937.31	3/4	1,285.74	3/4	1,643.74	3/4	2,003.31	3/4	2,362.80	3/4	2,720.71	3/4	3,079.26	3/4	3,436.90
8	234.90	8	590.95	8	944.47	8	1,293.17	8	1,651.23	8	2,010.80	8	2,370.29	8	2,728.10	8	3,086.73	8	3,444.35
1/4	242.24	1/4	598.44	1/4	951.62	1/4	1,300.60	1/4	1,658.72	1/4	2,018.29	1/4	2,377.78	1/4	2,735.57	1/4	3,094.21	1/4	3,451.81
1/2	249.59	1/2	605.93	1/2	958.78	1/2	1,308.03	1/2	1,666.21	1/2	2,025.78	1/2	2,385.27	1/2	2,743.05	1/2	3,101.68	1/2	3,459.27
3/4	256.93	3/4	613.43	3/4	965.93	3/4	1,315.46	3/4	1,673.70	3/4	2,033.27	3/4	2,392.76	3/4	2,750.52	3/4	3,109.16	3/4	3,466.72
9	264.28	9	620.92	9	973.09	9	1,322.89	9	1,681.20	9	2,040.76	9	2,400.25	9	2,758.00	9	3,116.63	9	3,474.18
1/4	271.62	1/4	628.41	1/4	980.25	1/4	1,330.32	1/4	1,688.69	1/4	2,048.25	1/4	2,407.74	1/4	2,765.48	1/4	3,124.08	1/4	3,478.63
1/2	278.97	1/2	635.91	1/2	987.40	1/2	1,337.75	1/2	1,696.18	1/2	2,055.74	1/2	2,415.23	1/2	2,772.95	1/2	3,131.52	1/2	3,483.09
3/4	286.31	3/4	643.40	3/4	994.56	3/4	1,345.18	3/4	1,703.67	3/4	2,063.23	3/4	2,422.71	3/4	2,780.43	3/4	3,138.97	3/4	3,487.54
10	293.66	10	650.89	10	1,001.71	10	1,352.61	10	1,711.16	10	2,070.72	10	2,430.20	10	2,787.91	10	3,146.41	10	3,492.00
1/4	301.01	1/4	658.38	1/4	1,008.87	1/4	1,360.04	1/4	1,718.65	1/4	2,078.21	1/4	2,437.69	1/4	2,795.38	1/4	3,153.85	1/4	3,496.02
1/2	308.35	1/2	665.88	1/2	1,016.02	1/2	1,367.47	1/2	1,726.14	1/2	2,085.70	1/2	2,445.18	1/2	2,802.86	1/2	3,161.30	1/2	3,500.05
3/4	315.70	3/4	673.37	3/4	1,023.18	3/4	1,374.89	3/4	1,733.63	3/4	2,093.19	3/4	2,452.67	3/4	2,810.33	3/4	3,168.74	3/4	3,504.08
11	323.04	11	680.86	11	1,030.34	11	1,382.32	11	1,741.12	11	2,100.67	11	2,460.16	11	2,817.81	11	3,176.18	11	3,508.10
1/4	330.39	1/4	688.36	1/4	1,037.49	1/4	1,389.75	1/4	1,748.62	1/4	2,108.16	1/4	2,467.65	1/4	2,825.28	1/4	3,183.62	1/4	3,512.13
1/2	337.73	1/2	695.85	1/2	1,044.65	1/2	1,397.18	1/2	1,756.11	1/2	2,115.65	1/2	2,475.14	1/2	2,832.76	1/2	3,191.06	1/2	3,516.16
3/4	345.08	3/4	703.34	3/4	1,051.80	3/4	1,404.61	3/4	1,763.60	3/4	2,123.14	3/4	2,482.63	3/4	2,840.23	3/4	3,198.50	3/4	3,520.18

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 INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55' 3" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "DBL 309"

**3 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE 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	3,524.21	0	3,717.46	0	3,910.02	0	4,089.24	0	4,250.99	0		0		0					
1/4	3,528.23	1/4	3,721.49	1/4	3,913.93	1/4	4,092.77	1/4	4,254.91	1/4		1/4		1/4					
1/2	3,532.26	1/2	3,725.51	1/2	3,917.83	1/2	4,096.30	1/2	4,258.83	1/2		1/2		1/2					
3/4	3,536.29	3/4	3,729.54	3/4	3,921.74	3/4	4,099.83	3/4	4,262.75	3/4		3/4		3/4					
1	3,540.31	1	3,733.56	1	3,925.65	1	4,103.36	1	4,266.68	1		1		1					
1/4	3,544.34	1/4	3,737.59	1/4	3,929.52	1/4	4,106.84	1/4	4,270.65	1/4		1/4		1/4					
1/2	3,548.36	1/2	3,741.62	1/2	3,933.40	1/2	4,110.32	1/2	4,274.62	1/2		1/2		1/2					
3/4	3,552.39	3/4	3,745.64	3/4	3,937.28	3/4	4,113.81	3/4	4,278.59	3/4		3/4		3/4					
2	3,556.42	2	3,749.67	2	3,941.15	2	4,117.29	2	4,282.57	2		2		2					
1/4	3,560.44	1/4	3,753.70	1/4	3,945.00	1/4	4,120.74	1/4	4,286.54	1/4		1/4		1/4					
1/2	3,564.47	1/2	3,757.72	1/2	3,948.85	1/2	4,124.19	1/2	4,290.51	1/2		1/2		1/2					
3/4	3,568.49	3/4	3,761.75	3/4	3,952.69	3/4	4,127.64	3/4	4,294.49	3/4		3/4		3/4					
3	3,572.52	3	3,765.77	3	3,956.54	3	4,131.09	3	4,298.46	3		3		3					
1/4	3,576.55	1/4	3,769.80	1/4	3,960.35	1/4	4,134.51	1/4	4,302.43	1/4		1/4		1/4					
1/2	3,580.57	1/2	3,773.83	1/2	3,964.17	1/2	4,137.93	1/2	4,306.41	1/2		1/2		1/2					
3/4	3,584.60	3/4	3,777.85	3/4	3,967.98	3/4	4,141.35	3/4	4,310.38	3/4		3/4		3/4					
4	3,588.63	4	3,781.88	4	3,971.79	4	4,144.77	4	4,314.35	4		4		4					
1/4	3,592.65	1/4	3,785.90	1/4	3,975.57	1/4	4,148.16	1/4	4,318.33	1/4		1/4		1/4					
1/2	3,596.68	1/2	3,789.93	1/2	3,979.35	1/2	4,151.54	1/2	4,322.30	1/2		1/2		1/2					
3/4	3,600.70	3/4	3,793.96	3/4	3,983.13	3/4	4,154.93	3/4	4,326.27	3/4		3/4		3/4					
5	3,604.73	5	3,797.98	5	3,986.91	5	4,158.32	5	4,330.25	5		5		5					
1/4	3,608.76	1/4	3,802.01	1/4	3,990.66	1/4	4,161.67	1/4	4,334.08	1/4		1/4		1/4					
1/2	3,612.78	1/2	3,806.03	1/2	3,994.41	1/2	4,165.03	1/2	4,337.92	1/2		1/2		1/2					
3/4	3,616.81	3/4	3,810.06	3/4	3,998.16	3/4	4,168.38	3/4	4,341.76	3/4		3/4		3/4					
6	3,620.83	6	3,814.09	6	4,001.91	6	4,171.73	6	4,345.60	6		6		6					
1/4	3,624.86	1/4	3,818.11	1/4	4,005.63	1/4	4,175.06	1/4	4,348.46	1/4		1/4		1/4					
1/2	3,628.89	1/2	3,822.14	1/2	4,009.35	1/2	4,178.38	1/2	4,351.32	1/2		1/2		1/2					
3/4	3,632.91	3/4	3,826.17	3/4	4,013.07	3/4	4,181.70	3/4	4,354.18	3/4		3/4		3/4					
7	3,636.94	7	3,830.19	7	4,016.79	7	4,185.02	7	4,357.04	7		7		7					
1/4	3,640.96	1/4	3,834.22	1/4	4,020.47	1/4	4,188.32	1/4	4,358.68	1/4		1/4		1/4					
1/2	3,644.99	1/2	3,838.24	1/2	4,024.16	1/2	4,191.61	1/2	4,360.32	1/2		1/2		1/2					
3/4	3,649.02	3/4	3,842.27	3/4	4,027.84	3/4	4,194.90	3/4	4,361.96	3/4		3/4		3/4					
8	3,653.04	8	3,846.30	8	4,031.53	8	4,198.20	8	4,363.60	8		8		8					
1/4	3,657.07	1/4	3,850.32	1/4	4,035.18	1/4	4,201.46	1/4		1/4		1/4		1/4					
1/2	3,661.10	1/2	3,854.34	1/2	4,038.83	1/2	4,204.72	1/2		1/2		1/2		1/2					
3/4	3,665.12	3/4	3,858.36	3/4	4,042.49	3/4	4,207.99	3/4		3/4		3/4		3/4					
9	3,669.15	9	3,862.38	9	4,046.14	9	4,211.25	9		9		9		9					
1/4	3,673.17	1/4	3,866.38	1/4	4,049.76	1/4	4,214.48	1/4		1/4		1/4		1/4					
1/2	3,677.20	1/2	3,870.38	1/2	4,053.38	1/2	4,217.71	1/2		1/2		1/2		1/2					
3/4	3,681.23	3/4	3,874.39	3/4	4,057.01	3/4	4,220.94	3/4		3/4		3/4		3/4					
10	3,685.25	10	3,878.39	10	4,060.63	10	4,224.17	10		10		10		10					
1/4	3,689.28	1/4	3,882.36	1/4	4,064.22	1/4	4,227.36	1/4		1/4		1/4		1/4					
1/2	3,693.30	1/2	3,886.33	1/2	4,067.81	1/2	4,230.56	1/2		1/2		1/2		1/2					
3/4	3,697.33	3/4	3,890.30	3/4	4,071.40	3/4	4,233.76	3/4		3/4		3/4		3/4					
11	3,701.36	11	3,894.27	11	4,075.00	11	4,236.95	11		11		11		11					
1/4	3,705.38	1/4	3,898.21	1/4	4,078.56	1/4	4,240.46	1/4		1/4		1/4		1/4					
1/2	3,709.41	1/2	3,902.15	1/2	4,082.12	1/2	4,243.97	1/2		1/2		1/2		1/2					
3/4	3,713.43	3/4	3,906.08	3/4	4,085.68	3/4	4,247.48	3/4		3/4		3/4		3/4					

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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