



BARGE "DBL 312"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 213'-04"

June 24, 2019

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



BARGE "DBL 312"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	18.54	0	335.73	0	671.44	0	998.64	0	1,331.52	0	1,667.25	0	2,002.98	0	2,338.70	0	2,674.43	0	3,009.10
1/4	22.73	1/4	342.73	1/4	678.44	1/4	1,005.35	1/4	1,338.52	1/4	1,674.24	1/4	2,009.97	1/4	2,345.70	1/4	2,681.41	1/4	3,016.07
1/2	26.93	1/2	349.72	1/2	685.43	1/2	1,012.06	1/2	1,345.51	1/2	1,681.24	1/2	2,016.96	1/2	2,352.69	1/2	2,688.40	1/2	3,023.04
3/4	31.12	3/4	356.71	3/4	692.43	3/4	1,018.77	3/4	1,352.51	3/4	1,688.23	3/4	2,023.96	3/4	2,359.68	3/4	2,695.39	3/4	3,030.01
1	35.32	1	363.71	1	699.42	1	1,025.48	1	1,359.50	1	1,695.23	1	2,030.95	1	2,366.68	1	2,702.37	1	3,036.98
1/4	40.91	1/4	370.70	1/4	706.41	1/4	1,032.19	1/4	1,366.49	1/4	1,702.22	1/4	2,037.95	1/4	2,373.67	1/4	2,709.34	1/4	3,043.95
1/2	46.51	1/2	377.70	1/2	713.41	1/2	1,038.90	1/2	1,373.49	1/2	1,709.22	1/2	2,044.94	1/2	2,380.67	1/2	2,716.31	1/2	3,050.93
3/4	52.10	3/4	384.69	3/4	720.40	3/4	1,045.61	3/4	1,380.48	3/4	1,716.21	3/4	2,051.94	3/4	2,387.66	3/4	2,723.29	3/4	3,057.90
2	57.69	2	391.68	2	727.40	2	1,052.32	2	1,387.48	2	1,723.20	2	2,058.93	2	2,394.66	2	2,730.26	2	3,064.87
1/4	64.31	1/4	398.68	1/4	734.39	1/4	1,059.17	1/4	1,394.47	1/4	1,730.20	1/4	2,065.92	1/4	2,401.65	1/4	2,737.23	1/4	3,071.84
1/2	70.93	1/2	405.67	1/2	741.38	1/2	1,066.02	1/2	1,401.47	1/2	1,737.19	1/2	2,072.92	1/2	2,408.65	1/2	2,744.20	1/2	3,078.81
3/4	77.54	3/4	412.67	3/4	748.38	3/4	1,072.88	3/4	1,408.46	3/4	1,744.19	3/4	2,079.91	3/4	2,415.64	3/4	2,751.17	3/4	3,085.78
3	84.16	3	419.66	3	755.37	3	1,079.73	3	1,415.45	3	1,751.18	3	2,086.91	3	2,422.63	3	2,758.14	3	3,092.75
1/4	91.12	1/4	426.65	1/4	762.37	1/4	1,086.72	1/4	1,422.45	1/4	1,758.18	1/4	2,093.90	1/4	2,429.63	1/4	2,765.11	1/4	3,099.71
1/2	98.08	1/2	433.65	1/2	769.36	1/2	1,093.72	1/2	1,429.44	1/2	1,765.17	1/2	2,100.90	1/2	2,436.62	1/2	2,772.08	1/2	3,106.68
3/4	105.04	3/4	440.64	3/4	776.35	3/4	1,100.71	3/4	1,436.44	3/4	1,772.16	3/4	2,107.89	3/4	2,443.62	3/4	2,779.05	3/4	3,113.64
4	112.00	4	447.64	4	783.35	4	1,107.71	4	1,443.43	4	1,779.16	4	2,114.88	4	2,450.61	4	2,786.02	4	3,120.60
1/4	118.98	1/4	454.63	1/4	790.29	1/4	1,114.70	1/4	1,450.43	1/4	1,786.15	1/4	2,121.88	1/4	2,457.61	1/4	2,792.99	1/4	3,127.55
1/2	125.96	1/2	461.62	1/2	797.05	1/2	1,121.69	1/2	1,457.42	1/2	1,793.15	1/2	2,128.87	1/2	2,464.60	1/2	2,799.96	1/2	3,134.50
3/4	132.94	3/4	468.62	3/4	803.91	3/4	1,128.69	3/4	1,464.41	3/4	1,800.14	3/4	2,135.87	3/4	2,471.59	3/4	2,806.93	3/4	3,141.45
5	139.92	5	475.61	5	810.76	5	1,135.68	5	1,471.41	5	1,807.14	5	2,142.86	5	2,478.59	5	2,813.90	5	3,148.40
1/4	146.91	1/4	482.61	1/4	817.47	1/4	1,142.68	1/4	1,478.40	1/4	1,814.13	1/4	2,149.86	1/4	2,485.58	1/4	2,820.87	1/4	3,155.35
1/2	153.90	1/2	489.60	1/2	824.18	1/2	1,149.67	1/2	1,485.40	1/2	1,821.12	1/2	2,156.85	1/2	2,492.58	1/2	2,827.84	1/2	3,162.31
3/4	160.89	3/4	496.59	3/4	830.89	3/4	1,156.67	3/4	1,492.39	3/4	1,828.12	3/4	2,163.84	3/4	2,499.57	3/4	2,834.82	3/4	3,169.26
6	167.88	6	503.59	6	837.60	6	1,163.66	6	1,499.39	6	1,835.11	6	2,170.84	6	2,506.57	6	2,841.79	6	3,176.21
1/4	174.87	1/4	510.58	1/4	844.31	1/4	1,170.65	1/4	1,506.38	1/4	1,842.11	1/4	2,177.83	1/4	2,513.56	1/4	2,848.76	1/4	3,183.16
1/2	181.86	1/2	517.58	1/2	851.02	1/2	1,177.65	1/2	1,513.37	1/2	1,849.10	1/2	2,184.83	1/2	2,520.55	1/2	2,855.73	1/2	3,190.11
3/4	188.86	3/4	524.57	3/4	857.73	3/4	1,184.64	3/4	1,520.37	3/4	1,856.10	3/4	2,191.82	3/4	2,527.55	3/4	2,862.70	3/4	3,197.06
7	195.85	7	531.56	7	864.44	7	1,191.64	7	1,527.36	7	1,863.09	7	2,198.82	7	2,534.54	7	2,869.67	7	3,204.01
1/4	202.85	1/4	538.56	1/4	871.15	1/4	1,198.63	1/4	1,534.36	1/4	1,870.08	1/4	2,205.81	1/4	2,541.54	1/4	2,876.64	1/4	3,210.97
1/2	209.84	1/2	545.55	1/2	877.86	1/2	1,205.63	1/2	1,541.35	1/2	1,877.08	1/2	2,212.80	1/2	2,548.53	1/2	2,883.62	1/2	3,217.92
3/4	216.83	3/4	552.55	3/4	884.57	3/4	1,212.62	3/4	1,548.35	3/4	1,884.07	3/4	2,219.80	3/4	2,555.53	3/4	2,890.59	3/4	3,224.87
8	223.83	8	559.54	8	891.28	8	1,219.61	8	1,555.34	8	1,891.07	8	2,226.79	8	2,562.52	8	2,897.56	8	3,231.82
1/4	230.82	1/4	566.53	1/4	897.99	1/4	1,226.61	1/4	1,562.33	1/4	1,898.06	1/4	2,233.79	1/4	2,569.51	1/4	2,904.53	1/4	3,238.77
1/2	237.82	1/2	573.53	1/2	904.70	1/2	1,233.60	1/2	1,569.33	1/2	1,905.06	1/2	2,240.78	1/2	2,576.51	1/2	2,911.50	1/2	3,245.72
3/4	244.81	3/4	580.52	3/4	911.41	3/4	1,240.60	3/4	1,576.32	3/4	1,912.05	3/4	2,247.78	3/4	2,583.50	3/4	2,918.47	3/4	3,252.67
9	251.80	9	587.52	9	918.12	9	1,247.59	9	1,583.32	9	1,919.04	9	2,254.77	9	2,590.50	9	2,925.44	9	3,259.63
1/4	258.80	1/4	594.51	1/4	924.83	1/4	1,254.59	1/4	1,590.31	1/4	1,926.04	1/4	2,261.76	1/4	2,597.49	1/4	2,932.41	1/4	3,265.15
1/2	265.79	1/2	601.50	1/2	931.54	1/2	1,261.58	1/2	1,597.31	1/2	1,933.03	1/2	2,268.76	1/2	2,604.49	1/2	2,939.39	1/2	3,270.68
3/4	272.79	3/4	608.50	3/4	938.25	3/4	1,268.57	3/4	1,604.30	3/4	1,940.03	3/4	2,275.75	3/4	2,611.48	3/4	2,946.36	3/4	3,276.20
10	279.78	10	615.49	10	944.96	10	1,275.57	10	1,611.29	10	1,947.02	10	2,282.75	10	2,618.47	10	2,953.33	10	3,281.73
1/4	286.77	1/4	622.49	1/4	951.67	1/4	1,282.56	1/4	1,618.29	1/4	1,954.02	1/4	2,289.74	1/4	2,625.47	1/4	2,960.30	1/4	3,285.83
1/2	293.77	1/2	629.48	1/2	958.38	1/2	1,289.56	1/2	1,625.28	1/2	1,961.01	1/2	2,296.74	1/2	2,632.46	1/2	2,967.27	1/2	3,289.93
3/4	300.76	3/4	636.47	3/4	965.09	3/4	1,296.55	3/4	1,632.28	3/4	1,968.00	3/4	2,303.73	3/4	2,639.46	3/4	2,974.24	3/4	3,294.03
11	307.76	11	643.47	11	971.80	11	1,303.55	11	1,639.27	11	1,975.00	11	2,310.72	11	2,646.45	11	2,981.21	11	3,298.13
1/4	314.75	1/4	650.46	1/4	978.51	1/4	1,310.54	1/4	1,646.27	1/4	1,981.99	1/4	2,317.72	1/4	2,653.45	1/4	2,988.18	1/4	3,302.22
1/2	321.74	1/2	657.46	1/2	985.22	1/2	1,317.53	1/2	1,653.26	1/2	1,988.99	1/2	2,324.71	1/2	2,660.44	1/2	2,995.16	1/2	3,306.32
3/4	328.74	3/4	664.45	3/4	991.93	3/4	1,324.53	3/4	1,660.25	3/4	1,995.98	3/4	2,331.71	3/4	2,667.43	3/4	3,002.13	3/4	3,310.42

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "DBL 312"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,314.52	0	3,511.29	0	3,708.06	0	3,898.94	0	4,073.39	0		0		0					
1/4	3,318.62	1/4	3,515.39	1/4	3,712.15	1/4	3,902.74	1/4	4,076.84	1/4		1/4		1/4					
1/2	3,322.72	1/2	3,519.49	1/2	3,716.25	1/2	3,906.55	1/2	4,080.29	1/2		1/2		1/2					
3/4	3,326.82	3/4	3,523.59	3/4	3,720.35	3/4	3,910.35	3/4	4,083.74	3/4		3/4		3/4					
1	3,330.92	1	3,527.69	1	3,724.45	1	3,914.16	1	4,087.20	1		1		1					
1/4	3,335.02	1/4	3,531.79	1/4	3,728.55	1/4	3,917.94	1/4	4,090.62	1/4		1/4		1/4					
1/2	3,339.12	1/2	3,535.89	1/2	3,732.64	1/2	3,921.72	1/2	4,094.04	1/2		1/2		1/2					
3/4	3,343.22	3/4	3,539.98	3/4	3,736.73	3/4	3,925.50	3/4	4,097.47	3/4		3/4		3/4					
2	3,347.32	2	3,544.08	2	3,740.83	2	3,929.28	2	4,100.89	2		2		2					
1/4	3,351.42	1/4	3,548.18	1/4	3,744.90	1/4	3,933.03	1/4	4,104.29	1/4		1/4		1/4					
1/2	3,355.52	1/2	3,552.28	1/2	3,748.97	1/2	3,936.78	1/2	4,107.69	1/2		1/2		1/2					
3/4	3,359.62	3/4	3,556.38	3/4	3,753.04	3/4	3,940.54	3/4	4,111.09	3/4		3/4		3/4					
3	3,363.71	3	3,560.48	3	3,757.12	3	3,944.29	3	4,114.49	3		3		3					
1/4	3,367.81	1/4	3,564.58	1/4	3,761.16	1/4	3,948.00	1/4	4,117.86	1/4		1/4		1/4					
1/2	3,371.91	1/2	3,568.68	1/2	3,765.21	1/2	3,951.71	1/2	4,121.23	1/2		1/2		1/2					
3/4	3,376.01	3/4	3,572.78	3/4	3,769.25	3/4	3,955.41	3/4	4,124.60	3/4		3/4		3/4					
4	3,380.11	4	3,576.88	4	3,773.30	4	3,959.12	4	4,127.97	4		4		4					
1/4	3,384.21	1/4	3,580.98	1/4	3,777.32	1/4	3,962.79	1/4	4,131.32	1/4		1/4		1/4					
1/2	3,388.31	1/2	3,585.08	1/2	3,781.34	1/2	3,966.45	1/2	4,134.66	1/2		1/2		1/2					
3/4	3,392.41	3/4	3,589.18	3/4	3,785.36	3/4	3,970.11	3/4	4,138.01	3/4		3/4		3/4					
5	3,396.51	5	3,593.28	5	3,789.38	5	3,973.78	5	4,141.35	5		5		5					
1/4	3,400.61	1/4	3,597.37	1/4	3,793.37	1/4	3,977.41	1/4	4,144.80	1/4		1/4		1/4					
1/2	3,404.71	1/2	3,601.47	1/2	3,797.36	1/2	3,981.05	1/2	4,148.25	1/2		1/2		1/2					
3/4	3,408.81	3/4	3,605.57	3/4	3,801.36	3/4	3,984.69	3/4	4,151.69	3/4		3/4		3/4					
6	3,412.91	6	3,609.67	6	3,805.35	6	3,988.32	6	4,155.14	6		6		6					
1/4	3,417.01	1/4	3,613.77	1/4	3,809.32	1/4	3,991.93	1/4	4,158.19	1/4		1/4		1/4					
1/2	3,421.10	1/2	3,617.87	1/2	3,813.28	1/2	3,995.54	1/2	4,161.24	1/2		1/2		1/2					
3/4	3,425.20	3/4	3,621.97	3/4	3,817.25	3/4	3,999.15	3/4	4,164.29	3/4		3/4		3/4					
7	3,429.30	7	3,626.07	7	3,821.21	7	4,002.77	7	4,167.34	7		7		7					
1/4	3,433.40	1/4	3,630.17	1/4	3,825.15	1/4	4,006.35	1/4	4,169.37	1/4		1/4		1/4					
1/2	3,437.50	1/2	3,634.27	1/2	3,829.09	1/2	4,009.93	1/2	4,171.41	1/2		1/2		1/2					
3/4	3,441.60	3/4	3,638.37	3/4	3,833.03	3/4	4,013.52	3/4	4,173.44	3/4		3/4		3/4					
8	3,445.70	8	3,642.47	8	3,836.97	8	4,017.10	8	4,175.48	8		8		8					
1/4	3,449.80	1/4	3,646.57	1/4	3,840.88	1/4	4,020.66	1/4	4,176.51	1/4		1/4		1/4					
1/2	3,453.90	1/2	3,650.67	1/2	3,844.80	1/2	4,024.22	1/2	4,177.55	1/2		1/2		1/2					
3/4	3,458.00	3/4	3,654.76	3/4	3,848.71	3/4	4,027.78	3/4	4,178.58	3/4		3/4		3/4					
9	3,462.10	9	3,658.86	9	3,852.62	9	4,031.33	9		9		9		9					
1/4	3,466.20	1/4	3,662.96	1/4	3,856.51	1/4	4,034.87	1/4		1/4		1/4		1/4					
1/2	3,470.30	1/2	3,667.06	1/2	3,860.39	1/2	4,038.40	1/2		1/2		1/2		1/2					
3/4	3,474.40	3/4	3,671.16	3/4	3,864.28	3/4	4,041.93	3/4		3/4		3/4		3/4					
10	3,478.49	10	3,675.26	10	3,868.17	10	4,045.46	10		10		10		10					
1/4	3,482.59	1/4	3,679.36	1/4	3,872.03	1/4	4,048.96	1/4		1/4		1/4		1/4					
1/2	3,486.69	1/2	3,683.46	1/2	3,875.89	1/2	4,052.47	1/2		1/2		1/2		1/2					
3/4	3,490.79	3/4	3,687.56	3/4	3,879.75	3/4	4,055.97	3/4		3/4		3/4		3/4					
11	3,494.89	11	3,691.66	11	3,883.60	11	4,059.48	11		11		11		11					
1/4	3,498.99	1/4	3,695.76	1/4	3,887.44	1/4	4,062.96	1/4		1/4		1/4		1/4					
1/2	3,503.09	1/2	3,699.86	1/2	3,891.27	1/2	4,066.43	1/2		1/2		1/2		1/2					
3/4	3,507.19	3/4	3,703.96	3/4	3,895.10	3/4	4,069.91	3/4		3/4		3/4		3/4					

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "DBL 312"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	18.49	0	334.42	0	668.66	0	988.58	0	1,316.72	0	1,650.27	0	1,983.81	0	2,317.92	0	2,652.06	0	2,985.12
1/4	22.67	1/4	341.38	1/4	675.62	1/4	995.11	1/4	1,323.67	1/4	1,657.21	1/4	1,990.77	1/4	2,324.89	1/4	2,659.01	1/4	2,992.06
1/2	26.85	1/2	348.34	1/2	682.58	1/2	1,001.64	1/2	1,330.62	1/2	1,664.16	1/2	1,997.72	1/2	2,331.85	1/2	2,665.96	1/2	2,999.00
3/4	31.04	3/4	355.31	3/4	689.55	3/4	1,008.17	3/4	1,337.57	3/4	1,671.11	3/4	2,004.68	3/4	2,338.81	3/4	2,672.91	3/4	3,005.94
1	35.22	1	362.27	1	696.51	1	1,014.70	1	1,344.51	1	1,678.06	1	2,011.63	1	2,345.77	1	2,679.86	1	3,012.88
1/4	40.80	1/4	369.23	1/4	703.47	1/4	1,021.23	1/4	1,351.46	1/4	1,685.01	1/4	2,018.59	1/4	2,352.73	1/4	2,686.80	1/4	3,019.81
1/2	46.38	1/2	376.20	1/2	710.44	1/2	1,027.75	1/2	1,358.41	1/2	1,691.96	1/2	2,025.55	1/2	2,359.69	1/2	2,693.73	1/2	3,026.75
3/4	51.96	3/4	383.16	3/4	717.40	3/4	1,034.28	3/4	1,365.36	3/4	1,698.91	3/4	2,032.52	3/4	2,366.65	3/4	2,700.67	3/4	3,033.69
2	57.53	2	390.12	2	724.36	2	1,040.81	2	1,372.31	2	1,705.86	2	2,039.48	2	2,373.61	2	2,707.61	2	3,040.63
1/4	64.13	1/4	397.09	1/4	731.33	1/4	1,047.40	1/4	1,379.26	1/4	1,712.81	1/4	2,046.44	1/4	2,380.58	1/4	2,714.54	1/4	3,047.57
1/2	70.73	1/2	404.05	1/2	738.29	1/2	1,053.99	1/2	1,386.21	1/2	1,719.75	1/2	2,053.40	1/2	2,387.54	1/2	2,721.48	1/2	3,054.50
3/4	77.33	3/4	411.01	3/4	745.25	3/4	1,060.58	3/4	1,393.16	3/4	1,726.70	3/4	2,060.36	3/4	2,394.50	3/4	2,728.42	3/4	3,061.44
3	83.93	3	417.98	3	752.22	3	1,067.16	3	1,400.11	3	1,733.65	3	2,067.32	3	2,401.46	3	2,735.36	3	3,068.38
1/4	90.87	1/4	424.94	1/4	759.02	1/4	1,073.96	1/4	1,407.05	1/4	1,740.60	1/4	2,074.28	1/4	2,408.42	1/4	2,742.29	1/4	3,075.31
1/2	97.80	1/2	431.90	1/2	765.82	1/2	1,080.76	1/2	1,414.00	1/2	1,747.55	1/2	2,081.24	1/2	2,415.38	1/2	2,749.23	1/2	3,082.24
3/4	104.73	3/4	438.87	3/4	772.63	3/4	1,087.56	3/4	1,420.95	3/4	1,754.50	3/4	2,088.20	3/4	2,422.34	3/4	2,756.17	3/4	3,089.16
4	111.67	4	445.83	4	779.43	4	1,094.35	4	1,427.90	4	1,761.45	4	2,095.17	4	2,429.30	4	2,763.10	4	3,096.09
1/4	118.61	1/4	452.79	1/4	786.02	1/4	1,101.30	1/4	1,434.85	1/4	1,768.40	1/4	2,102.13	1/4	2,436.26	1/4	2,770.04	1/4	3,103.01
1/2	125.56	1/2	459.76	1/2	792.60	1/2	1,108.25	1/2	1,441.80	1/2	1,775.35	1/2	2,109.09	1/2	2,443.23	1/2	2,776.98	1/2	3,109.93
3/4	132.51	3/4	466.72	3/4	799.19	3/4	1,115.20	3/4	1,448.75	3/4	1,782.29	3/4	2,116.05	3/4	2,450.19	3/4	2,783.92	3/4	3,116.85
5	139.46	5	473.68	5	805.78	5	1,122.15	5	1,455.70	5	1,789.24	5	2,123.01	5	2,457.15	5	2,790.86	5	3,123.77
1/4	146.42	1/4	480.65	1/4	812.31	1/4	1,129.10	1/4	1,462.65	1/4	1,796.19	1/4	2,129.97	1/4	2,464.11	1/4	2,797.79	1/4	3,130.68
1/2	153.38	1/2	487.61	1/2	818.84	1/2	1,136.05	1/2	1,469.59	1/2	1,803.14	1/2	2,136.93	1/2	2,471.07	1/2	2,804.73	1/2	3,137.60
3/4	160.34	3/4	494.57	3/4	825.36	3/4	1,143.00	3/4	1,476.54	3/4	1,810.09	3/4	2,143.89	3/4	2,478.03	3/4	2,811.67	3/4	3,144.52
6	167.30	6	501.54	6	831.89	6	1,149.95	6	1,483.49	6	1,817.04	6	2,150.86	6	2,484.99	6	2,818.61	6	3,151.44
1/4	174.26	1/4	508.50	1/4	838.42	1/4	1,156.89	1/4	1,490.44	1/4	1,823.99	1/4	2,157.82	1/4	2,491.95	1/4	2,825.55	1/4	3,158.36
1/2	181.23	1/2	515.46	1/2	844.95	1/2	1,163.84	1/2	1,497.39	1/2	1,830.94	1/2	2,164.78	1/2	2,498.92	1/2	2,832.48	1/2	3,165.28
3/4	188.19	3/4	522.43	3/4	851.48	3/4	1,170.79	3/4	1,504.34	3/4	1,837.89	3/4	2,171.74	3/4	2,505.88	3/4	2,839.42	3/4	3,172.20
7	195.15	7	529.39	7	858.01	7	1,177.74	7	1,511.29	7	1,844.84	7	2,178.70	7	2,512.84	7	2,846.36	7	3,179.11
1/4	202.11	1/4	536.35	1/4	864.54	1/4	1,184.69	1/4	1,518.24	1/4	1,851.78	1/4	2,185.66	1/4	2,519.80	1/4	2,853.30	1/4	3,186.03
1/2	209.08	1/2	543.32	1/2	871.07	1/2	1,191.64	1/2	1,525.19	1/2	1,858.73	1/2	2,192.62	1/2	2,526.76	1/2	2,860.24	1/2	3,192.95
3/4	216.04	3/4	550.28	3/4	877.59	3/4	1,198.59	3/4	1,532.13	3/4	1,865.68	3/4	2,199.58	3/4	2,533.72	3/4	2,867.18	3/4	3,199.87
8	223.00	8	557.24	8	884.12	8	1,205.54	8	1,539.08	8	1,872.63	8	2,206.55	8	2,540.68	8	2,874.11	8	3,206.79
1/4	229.97	1/4	564.21	1/4	890.65	1/4	1,212.49	1/4	1,546.03	1/4	1,879.58	1/4	2,213.51	1/4	2,547.64	1/4	2,881.05	1/4	3,213.71
1/2	236.93	1/2	571.17	1/2	897.18	1/2	1,219.43	1/2	1,552.98	1/2	1,886.53	1/2	2,220.47	1/2	2,554.61	1/2	2,887.99	1/2	3,220.62
3/4	243.89	3/4	578.13	3/4	903.71	3/4	1,226.38	3/4	1,559.93	3/4	1,893.48	3/4	2,227.43	3/4	2,561.57	3/4	2,894.93	3/4	3,227.54
9	250.86	9	585.10	9	910.24	9	1,233.33	9	1,566.88	9	1,900.43	9	2,234.39	9	2,568.53	9	2,901.87	9	3,234.46
1/4	257.82	1/4	592.06	1/4	916.77	1/4	1,240.28	1/4	1,573.83	1/4	1,907.38	1/4	2,241.35	1/4	2,575.49	1/4	2,908.80	1/4	3,239.96
1/2	264.78	1/2	599.02	1/2	923.29	1/2	1,247.23	1/2	1,580.78	1/2	1,914.32	1/2	2,248.31	1/2	2,582.45	1/2	2,915.74	1/2	3,245.46
3/4	271.75	3/4	605.99	3/4	929.82	3/4	1,254.18	3/4	1,587.73	3/4	1,921.27	3/4	2,255.27	3/4	2,589.41	3/4	2,922.68	3/4	3,250.97
10	278.71	10	612.95	10	936.35	10	1,261.13	10	1,594.67	10	1,928.22	10	2,262.23	10	2,596.37	10	2,929.62	10	3,256.47
1/4	285.67	1/4	619.91	1/4	942.88	1/4	1,268.08	1/4	1,601.62	1/4	1,935.17	1/4	2,269.20	1/4	2,603.33	1/4	2,936.56	1/4	3,260.55
1/2	292.64	1/2	626.88	1/2	949.41	1/2	1,275.03	1/2	1,608.57	1/2	1,942.12	1/2	2,276.16	1/2	2,610.29	1/2	2,943.49	1/2	3,264.64
3/4	299.60	3/4	633.84	3/4	955.94	3/4	1,281.97	3/4	1,615.52	3/4	1,949.07	3/4	2,283.12	3/4	2,617.26	3/4	2,950.43	3/4	3,268.73
11	306.56	11	640.80	11	962.47	11	1,288.92	11	1,622.47	11	1,956.02	11	2,290.08	11	2,624.22	11	2,957.37	11	3,272.81
1/4	313.53	1/4	647.77	1/4	969.00	1/4	1,295.87	1/4	1,629.42	1/4	1,962.97	1/4	2,297.04	1/4	2,631.18	1/4	2,964.31	1/4	3,276.90
1/2	320.49	1/2	654.73	1/2	975.52	1/2	1,302.82	1/2	1,636.37	1/2	1,969.92	1/2	2,304.00	1/2	2,638.14	1/2	2,971.25	1/2	3,280.98
3/4	327.45	3/4	661.69	3/4	982.05	3/4	1,309.77	3/4	1,643.32	3/4	1,976.86	3/4	2,310.96	3/4	2,645.10	3/4	2,978.18	3/4	3,285.07

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 29'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "DBL 312"

**1 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,289.15	0	3,485.26	0	3,681.36	0	3,871.59	0	4,045.42	0		0		0				0	
1/4	3,293.24	1/4	3,489.34	1/4	3,685.45	1/4	3,875.38	1/4	4,048.86	1/4		1/4		1/4				1/4	
1/2	3,297.32	1/2	3,493.43	1/2	3,689.53	1/2	3,879.17	1/2	4,052.30	1/2		1/2		1/2				1/2	
3/4	3,301.41	3/4	3,497.51	3/4	3,693.62	3/4	3,882.97	3/4	4,055.74	3/4		3/4		3/4				3/4	
1	3,305.50	1	3,501.60	1	3,697.70	1	3,886.76	1	4,059.17	1		1		1				1	
1/4	3,309.58	1/4	3,505.68	1/4	3,701.78	1/4	3,890.53	1/4	4,062.59	1/4		1/4		1/4				1/4	
1/2	3,313.67	1/2	3,509.77	1/2	3,705.86	1/2	3,894.29	1/2	4,066.00	1/2		1/2		1/2				1/2	
3/4	3,317.75	3/4	3,513.86	3/4	3,709.94	3/4	3,898.06	3/4	4,069.41	3/4		3/4		3/4				3/4	
2	3,321.84	2	3,517.94	2	3,714.02	2	3,901.82	2	4,072.82	2		2		2				2	
1/4	3,325.92	1/4	3,522.03	1/4	3,718.08	1/4	3,905.56	1/4	4,076.21	1/4		1/4		1/4				1/4	
1/2	3,330.01	1/2	3,526.11	1/2	3,722.14	1/2	3,909.30	1/2	4,079.59	1/2		1/2		1/2				1/2	
3/4	3,334.09	3/4	3,530.20	3/4	3,726.20	3/4	3,913.04	3/4	4,082.98	3/4		3/4		3/4				3/4	
3	3,338.18	3	3,534.28	3	3,730.26	3	3,916.78	3	4,086.36	3		3		3				3	
1/4	3,342.26	1/4	3,538.37	1/4	3,734.29	1/4	3,920.48	1/4	4,089.72	1/4		1/4		1/4				1/4	
1/2	3,346.35	1/2	3,542.45	1/2	3,738.32	1/2	3,924.17	1/2	4,093.08	1/2		1/2		1/2				1/2	
3/4	3,350.44	3/4	3,546.54	3/4	3,742.35	3/4	3,927.87	3/4	4,096.44	3/4		3/4		3/4				3/4	
4	3,354.52	4	3,550.63	4	3,746.38	4	3,931.56	4	4,099.80	4		4		4				4	
1/4	3,358.61	1/4	3,554.71	1/4	3,750.39	1/4	3,935.21	1/4	4,103.13	1/4		1/4		1/4				1/4	
1/2	3,362.69	1/2	3,558.80	1/2	3,754.40	1/2	3,938.86	1/2	4,106.47	1/2		1/2		1/2				1/2	
3/4	3,366.78	3/4	3,562.88	3/4	3,758.40	3/4	3,942.51	3/4	4,109.80	3/4		3/4		3/4				3/4	
5	3,370.86	5	3,566.97	5	3,762.41	5	3,946.16	5	4,113.13	5		5		5				5	
1/4	3,374.95	1/4	3,571.05	1/4	3,766.39	1/4	3,949.79	1/4	4,116.57	1/4		1/4		1/4				1/4	
1/2	3,379.03	1/2	3,575.14	1/2	3,770.37	1/2	3,953.41	1/2	4,120.00	1/2		1/2		1/2				1/2	
3/4	3,383.12	3/4	3,579.22	3/4	3,774.34	3/4	3,957.04	3/4	4,123.44	3/4		3/4		3/4				3/4	
6	3,387.21	6	3,583.31	6	3,778.32	6	3,960.66	6	4,126.87	6		6		6				6	
1/4	3,391.29	1/4	3,587.39	1/4	3,782.28	1/4	3,964.26	1/4	4,129.91	1/4		1/4		1/4				1/4	
1/2	3,395.38	1/2	3,591.48	1/2	3,786.23	1/2	3,967.85	1/2	4,132.95	1/2		1/2		1/2				1/2	
3/4	3,399.46	3/4	3,595.57	3/4	3,790.18	3/4	3,971.45	3/4	4,135.98	3/4		3/4		3/4				3/4	
7	3,403.55	7	3,599.65	7	3,794.13	7	3,975.05	7	4,139.02	7		7		7				7	
1/4	3,407.63	1/4	3,603.74	1/4	3,798.06	1/4	3,978.62	1/4	4,141.05	1/4		1/4		1/4				1/4	
1/2	3,411.72	1/2	3,607.82	1/2	3,801.99	1/2	3,982.19	1/2	4,143.07	1/2		1/2		1/2				1/2	
3/4	3,415.80	3/4	3,611.91	3/4	3,805.91	3/4	3,985.77	3/4	4,145.10	3/4		3/4		3/4				3/4	
8	3,419.89	8	3,615.99	8	3,809.84	8	3,989.34	8	4,147.13	8		8		8				8	
1/4	3,423.97	1/4	3,620.08	1/4	3,813.74	1/4	3,992.88	1/4	4,148.16	1/4		1/4		1/4				1/4	
1/2	3,428.06	1/2	3,624.16	1/2	3,817.64	1/2	3,996.43	1/2	4,149.19	1/2		1/2		1/2				1/2	
3/4	3,432.15	3/4	3,628.25	3/4	3,821.53	3/4	3,999.97	3/4	4,150.21	3/4		3/4		3/4				3/4	
9	3,436.23	9	3,632.34	9	3,825.43	9	4,003.52	9		9		9		9				9	
1/4	3,440.32	1/4	3,636.42	1/4	3,829.31	1/4	4,007.04	1/4		1/4		1/4		1/4				1/4	
1/2	3,444.40	1/2	3,640.51	1/2	3,833.18	1/2	4,010.55	1/2		1/2		1/2		1/2				1/2	
3/4	3,448.49	3/4	3,644.59	3/4	3,837.05	3/4	4,014.07	3/4		3/4		3/4		3/4				3/4	
10	3,452.57	10	3,648.68	10	3,840.93	10	4,017.59	10		10		10		10				10	
1/4	3,456.66	1/4	3,652.76	1/4	3,844.77	1/4	4,021.08	1/4		1/4		1/4		1/4				1/4	
1/2	3,460.74	1/2	3,656.85	1/2	3,848.62	1/2	4,024.58	1/2		1/2		1/2		1/2				1/2	
3/4	3,464.83	3/4	3,660.93	3/4	3,852.46	3/4	4,028.07	3/4		3/4		3/4		3/4				3/4	
11	3,468.92	11	3,665.02	11	3,856.31	11	4,031.56	11		11		11		11				11	
1/4	3,473.00	1/4	3,669.10	1/4	3,860.13	1/4	4,035.02	1/4		1/4		1/4		1/4				1/4	
1/2	3,477.09	1/2	3,673.19	1/2	3,863.95	1/2	4,038.49	1/2		1/2		1/2		1/2				1/2	
3/4	3,481.17	3/4	3,677.28	3/4	3,867.77	3/4	4,041.95	3/4		3/4		3/4		3/4				3/4	

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "DBL 312"

2 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	15.41	0	278.13	0	556.18	0	833.59	0	1,111.54	0	1,389.61	0	1,667.68	0	1,945.75	0	2,223.82	0	2,501.88
1/4	18.89	1/4	283.92	1/4	561.98	1/4	839.37	1/4	1,117.33	1/4	1,395.40	1/4	1,673.47	1/4	1,951.54	1/4	2,229.61	1/4	2,507.68
1/2	22.36	1/2	289.71	1/2	567.77	1/2	845.14	1/2	1,123.13	1/2	1,401.19	1/2	1,679.26	1/2	1,957.33	1/2	2,235.40	1/2	2,513.47
3/4	25.84	3/4	295.51	3/4	573.56	3/4	850.91	3/4	1,128.92	3/4	1,406.99	3/4	1,685.06	3/4	1,963.13	3/4	2,241.19	3/4	2,519.26
1	29.31	1	301.30	1	579.35	1	856.69	1	1,134.71	1	1,412.78	1	1,690.85	1	1,968.92	1	2,246.99	1	2,525.06
1/4	33.94	1/4	307.09	1/4	585.15	1/4	862.47	1/4	1,140.51	1/4	1,418.57	1/4	1,696.64	1/4	1,974.71	1/4	2,252.78	1/4	2,530.85
1/2	38.58	1/2	312.89	1/2	590.94	1/2	868.25	1/2	1,146.30	1/2	1,424.37	1/2	1,702.44	1/2	1,980.50	1/2	2,258.57	1/2	2,536.64
3/4	43.21	3/4	318.68	3/4	596.73	3/4	874.04	3/4	1,152.09	3/4	1,430.16	3/4	1,708.23	3/4	1,986.30	3/4	2,264.37	3/4	2,542.44
2	47.84	2	324.47	2	602.53	2	879.82	2	1,157.88	2	1,435.95	2	1,714.02	2	1,992.09	2	2,270.16	2	2,548.23
1/4	53.32	1/4	330.26	1/4	608.32	1/4	885.61	1/4	1,163.68	1/4	1,441.75	1/4	1,719.82	1/4	1,997.88	1/4	2,275.95	1/4	2,554.02
1/2	58.80	1/2	336.06	1/2	614.11	1/2	891.40	1/2	1,169.47	1/2	1,447.54	1/2	1,725.61	1/2	2,003.68	1/2	2,281.75	1/2	2,559.81
3/4	64.29	3/4	341.85	3/4	619.90	3/4	897.20	3/4	1,175.26	3/4	1,453.33	3/4	1,731.40	3/4	2,009.47	3/4	2,287.54	3/4	2,565.61
3	69.77	3	347.64	3	625.70	3	902.99	3	1,181.06	3	1,459.13	3	1,737.19	3	2,015.26	3	2,293.33	3	2,571.40
1/4	75.53	1/4	353.44	1/4	631.48	1/4	908.78	1/4	1,186.85	1/4	1,464.92	1/4	1,742.99	1/4	2,021.06	1/4	2,299.13	1/4	2,577.19
1/2	81.29	1/2	359.23	1/2	637.26	1/2	914.57	1/2	1,192.64	1/2	1,470.71	1/2	1,748.78	1/2	2,026.85	1/2	2,304.92	1/2	2,582.99
3/4	87.06	3/4	365.02	3/4	643.05	3/4	920.37	3/4	1,198.44	3/4	1,476.51	3/4	1,754.57	3/4	2,032.64	3/4	2,310.71	3/4	2,588.78
4	92.82	4	370.81	4	648.83	4	926.16	4	1,204.23	4	1,482.30	4	1,760.37	4	2,038.44	4	2,316.50	4	2,594.57
1/4	98.60	1/4	376.61	1/4	654.60	1/4	931.95	1/4	1,210.02	1/4	1,488.09	1/4	1,766.16	1/4	2,044.23	1/4	2,322.30	1/4	2,600.37
1/2	104.38	1/2	382.40	1/2	660.38	1/2	937.75	1/2	1,215.82	1/2	1,493.88	1/2	1,771.95	1/2	2,050.02	1/2	2,328.09	1/2	2,606.16
3/4	110.16	3/4	388.19	3/4	666.15	3/4	943.54	3/4	1,221.61	3/4	1,499.68	3/4	1,777.75	3/4	2,055.82	3/4	2,333.88	3/4	2,611.95
5	115.94	5	393.98	5	671.93	5	949.33	5	1,227.40	5	1,505.47	5	1,783.54	5	2,061.61	5	2,339.68	5	2,617.75
1/4	121.73	1/4	399.78	1/4	677.70	1/4	955.13	1/4	1,233.20	1/4	1,511.26	1/4	1,789.33	1/4	2,067.40	1/4	2,345.47	1/4	2,623.54
1/2	127.52	1/2	405.57	1/2	683.47	1/2	960.92	1/2	1,238.99	1/2	1,517.06	1/2	1,795.13	1/2	2,073.19	1/2	2,351.26	1/2	2,629.33
3/4	133.31	3/4	411.36	3/4	689.25	3/4	966.71	3/4	1,244.78	3/4	1,522.85	3/4	1,800.92	3/4	2,078.99	3/4	2,357.06	3/4	2,635.13
6	139.10	6	417.16	6	695.02	6	972.51	6	1,250.57	6	1,528.64	6	1,806.71	6	2,084.78	6	2,362.85	6	2,640.92
1/4	144.90	1/4	422.95	1/4	700.79	1/4	978.30	1/4	1,256.37	1/4	1,534.44	1/4	1,812.51	1/4	2,090.57	1/4	2,368.64	1/4	2,646.71
1/2	150.69	1/2	428.74	1/2	706.57	1/2	984.09	1/2	1,262.16	1/2	1,540.23	1/2	1,818.30	1/2	2,096.37	1/2	2,374.44	1/2	2,652.50
3/4	156.48	3/4	434.53	3/4	712.34	3/4	989.88	3/4	1,267.95	3/4	1,546.02	3/4	1,824.09	3/4	2,102.16	3/4	2,380.23	3/4	2,658.30
7	162.27	7	440.33	7	718.12	7	995.68	7	1,273.75	7	1,551.82	7	1,829.88	7	2,107.95	7	2,386.02	7	2,664.09
1/4	168.07	1/4	446.12	1/4	723.89	1/4	1,001.47	1/4	1,279.54	1/4	1,557.61	1/4	1,835.68	1/4	2,113.75	1/4	2,391.82	1/4	2,669.88
1/2	173.86	1/2	451.91	1/2	729.66	1/2	1,007.26	1/2	1,285.33	1/2	1,563.40	1/2	1,841.47	1/2	2,119.54	1/2	2,397.61	1/2	2,675.68
3/4	179.65	3/4	457.71	3/4	735.44	3/4	1,013.06	3/4	1,291.13	3/4	1,569.19	3/4	1,847.26	3/4	2,125.33	3/4	2,403.40	3/4	2,681.47
8	185.44	8	463.50	8	741.21	8	1,018.85	8	1,296.92	8	1,574.99	8	1,853.06	8	2,131.13	8	2,409.19	8	2,687.26
1/4	191.24	1/4	469.29	1/4	746.98	1/4	1,024.64	1/4	1,302.71	1/4	1,580.78	1/4	1,858.85	1/4	2,136.92	1/4	2,414.99	1/4	2,693.06
1/2	197.03	1/2	475.08	1/2	752.76	1/2	1,030.44	1/2	1,308.51	1/2	1,586.57	1/2	1,864.64	1/2	2,142.71	1/2	2,420.78	1/2	2,698.85
3/4	202.82	3/4	480.88	3/4	758.53	3/4	1,036.23	3/4	1,314.30	3/4	1,592.37	3/4	1,870.44	3/4	2,148.50	3/4	2,426.57	3/4	2,704.64
9	208.62	9	486.67	9	764.31	9	1,042.02	9	1,320.09	9	1,598.16	9	1,876.23	9	2,154.30	9	2,432.37	9	2,710.44
1/4	214.41	1/4	492.46	1/4	770.08	1/4	1,047.82	1/4	1,325.88	1/4	1,603.95	1/4	1,882.02	1/4	2,160.09	1/4	2,438.16	1/4	2,716.23
1/2	220.20	1/2	498.26	1/2	775.85	1/2	1,053.61	1/2	1,331.68	1/2	1,609.75	1/2	1,887.82	1/2	2,165.88	1/2	2,443.95	1/2	2,722.02
3/4	225.99	3/4	504.05	3/4	781.63	3/4	1,059.40	3/4	1,337.47	3/4	1,615.54	3/4	1,893.61	3/4	2,171.68	3/4	2,449.75	3/4	2,727.81
10	231.79	10	509.84	10	787.40	10	1,065.20	10	1,343.26	10	1,621.33	10	1,899.40	10	2,177.47	10	2,455.54	10	2,733.61
1/4	237.58	1/4	515.63	1/4	793.18	1/4	1,070.99	1/4	1,349.06	1/4	1,627.13	1/4	1,905.19	1/4	2,183.26	1/4	2,461.33	1/4	2,739.40
1/2	243.37	1/2	521.43	1/2	798.95	1/2	1,076.78	1/2	1,354.85	1/2	1,632.92	1/2	1,910.99	1/2	2,189.06	1/2	2,467.13	1/2	2,745.19
3/4	249.16	3/4	527.22	3/4	804.72	3/4	1,082.57	3/4	1,360.64	3/4	1,638.71	3/4	1,916.78	3/4	2,194.85	3/4	2,472.92	3/4	2,750.99
11	254.96	11	533.01	11	810.50	11	1,088.37	11	1,366.44	11	1,644.51	11	1,922.57	11	2,200.64	11	2,478.71	11	2,756.78
1/4	260.75	1/4	538.80	1/4	816.27	1/4	1,094.16	1/4	1,372.23	1/4	1,650.30	1/4	1,928.37	1/4	2,206.44	1/4	2,484.50	1/4	2,762.57
1/2	266.54	1/2	544.60	1/2	822.04	1/2	1,099.95	1/2	1,378.02	1/2	1,656.09	1/2	1,934.16	1/2	2,212.23	1/2	2,490.30	1/2	2,768.37
3/4	272.34	3/4	550.39	3/4	827.82	3/4	1,105.75	3/4	1,383.82	3/4	1,661.88	3/4	1,939.95	3/4	2,218.02	3/4	2,496.09	3/4	2,774.16

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 35'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "DBL 312"

2 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	2,779.95	0	3,058.02	0	3,336.09	0	3,609.27	0	3,868.45	0		0		0					
1/4	2,785.75	1/4	3,063.81	1/4	3,341.88	1/4	3,614.82	1/4	3,873.69	1/4		1/4		1/4					
1/2	2,791.54	1/2	3,069.61	1/2	3,347.68	1/2	3,620.37	1/2	3,878.94	1/2		1/2		1/2					
3/4	2,797.33	3/4	3,075.40	3/4	3,353.47	3/4	3,625.92	3/4	3,884.18	3/4		3/4		3/4					
1	2,803.13	1	3,081.19	1	3,359.26	1	3,631.48	1	3,889.43	1		1		1					
1/4	2,808.92	1/4	3,086.99	1/4	3,365.05	1/4	3,637.00	1/4	3,894.65	1/4		1/4		1/4					
1/2	2,814.71	1/2	3,092.78	1/2	3,370.83	1/2	3,642.53	1/2	3,899.87	1/2		1/2		1/2					
3/4	2,820.50	3/4	3,098.57	3/4	3,376.62	3/4	3,648.06	3/4	3,905.10	3/4		3/4		3/4					
2	2,826.30	2	3,104.37	2	3,382.40	2	3,653.59	2	3,910.32	2		2		2					
1/4	2,832.09	1/4	3,110.16	1/4	3,388.17	1/4	3,659.09	1/4	3,915.52	1/4		1/4		1/4					
1/2	2,837.88	1/2	3,115.95	1/2	3,393.94	1/2	3,664.60	1/2	3,920.72	1/2		1/2		1/2					
3/4	2,843.68	3/4	3,121.75	3/4	3,399.72	3/4	3,670.11	3/4	3,925.92	3/4		3/4		3/4					
3	2,849.47	3	3,127.54	3	3,405.49	3	3,675.61	3	3,931.12	3		3		3					
1/4	2,855.26	1/4	3,133.33	1/4	3,411.24	1/4	3,681.08	1/4	3,936.30	1/4		1/4		1/4					
1/2	2,861.06	1/2	3,139.12	1/2	3,416.98	1/2	3,686.54	1/2	3,941.48	1/2		1/2		1/2					
3/4	2,866.85	3/4	3,144.92	3/4	3,422.73	3/4	3,692.00	3/4	3,946.66	3/4		3/4		3/4					
4	2,872.64	4	3,150.71	4	3,428.48	4	3,697.47	4	3,951.83	4		4		4					
1/4	2,878.44	1/4	3,156.50	1/4	3,434.21	1/4	3,702.88	1/4	3,956.99	1/4		1/4		1/4					
1/2	2,884.23	1/2	3,162.30	1/2	3,439.94	1/2	3,708.30	1/2	3,962.15	1/2		1/2		1/2					
3/4	2,890.02	3/4	3,168.09	3/4	3,445.66	3/4	3,713.72	3/4	3,967.30	3/4		3/4		3/4					
5	2,895.81	5	3,173.88	5	3,451.39	5	3,719.14	5	3,972.46	5		5		5					
1/4	2,901.61	1/4	3,179.68	1/4	3,457.09	1/4	3,724.54	1/4	3,977.70	1/4		1/4		1/4					
1/2	2,907.40	1/2	3,185.47	1/2	3,462.80	1/2	3,729.94	1/2	3,982.94	1/2		1/2		1/2					
3/4	2,913.19	3/4	3,191.26	3/4	3,468.50	3/4	3,735.33	3/4	3,988.19	3/4		3/4		3/4					
6	2,918.99	6	3,197.06	6	3,474.21	6	3,740.73	6	3,993.43	6		6		6					
1/4	2,924.78	1/4	3,202.85	1/4	3,479.89	1/4	3,746.11	1/4	3,998.33	1/4		1/4		1/4					
1/2	2,930.57	1/2	3,208.64	1/2	3,485.57	1/2	3,751.48	1/2	4,003.23	1/2		1/2		1/2					
3/4	2,936.37	3/4	3,214.44	3/4	3,491.26	3/4	3,756.86	3/4	4,008.13	3/4		3/4		3/4					
7	2,942.16	7	3,220.23	7	3,496.94	7	3,762.24	7	4,013.03	7		7		7					
1/4	2,947.95	1/4	3,226.02	1/4	3,502.60	1/4	3,767.59	1/4	4,017.07	1/4		1/4		1/4					
1/2	2,953.75	1/2	3,231.81	1/2	3,508.26	1/2	3,772.94	1/2	4,021.11	1/2		1/2		1/2					
3/4	2,959.54	3/4	3,237.61	3/4	3,513.92	3/4	3,778.30	3/4	4,025.16	3/4		3/4		3/4					
8	2,965.33	8	3,243.40	8	3,519.58	8	3,783.65	8	4,029.20	8		8		8					
1/4	2,971.13	1/4	3,249.19	1/4	3,525.22	1/4	3,788.99	1/4	4,032.42	1/4		1/4		1/4					
1/2	2,976.92	1/2	3,254.99	1/2	3,530.86	1/2	3,794.32	1/2	4,035.64	1/2		1/2		1/2					
3/4	2,982.71	3/4	3,260.78	3/4	3,536.50	3/4	3,799.65	3/4	4,038.85	3/4		3/4		3/4					
9	2,988.50	9	3,266.57	9	3,542.14	9	3,804.99	9		9		9		9					
1/4	2,994.30	1/4	3,272.37	1/4	3,547.75	1/4	3,810.30	1/4		1/4		1/4		1/4					
1/2	3,000.09	1/2	3,278.16	1/2	3,553.37	1/2	3,815.61	1/2		1/2		1/2		1/2					
3/4	3,005.88	3/4	3,283.95	3/4	3,558.99	3/4	3,820.92	3/4		3/4		3/4		3/4					
10	3,011.68	10	3,289.75	10	3,564.60	10	3,826.23	10		10		10		10					
1/4	3,017.47	1/4	3,295.54	1/4	3,570.20	1/4	3,831.52	1/4		1/4		1/4		1/4					
1/2	3,023.26	1/2	3,301.33	1/2	3,575.79	1/2	3,836.81	1/2		1/2		1/2		1/2					
3/4	3,029.06	3/4	3,307.12	3/4	3,581.39	3/4	3,842.09	3/4		3/4		3/4		3/4					
11	3,034.85	11	3,312.92	11	3,586.98	11	3,847.38	11		11		11		11					
1/4	3,040.64	1/4	3,318.71	1/4	3,592.56	1/4	3,852.65	1/4		1/4		1/4		1/4					
1/2	3,046.44	1/2	3,324.50	1/2	3,598.13	1/2	3,857.92	1/2		1/2		1/2		1/2					
3/4	3,052.23	3/4	3,330.30	3/4	3,603.70	3/4	3,863.18	3/4		3/4		3/4		3/4					

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "DBL 312"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.42	0	278.26	0	556.44	0	831.25	0	1,108.08	0	1,386.28	0	1,664.48	0	1,942.67	0	2,220.87	0	2,499.07
1/4	18.90	1/4	284.05	1/4	562.24	1/4	836.94	1/4	1,113.87	1/4	1,392.07	1/4	1,670.27	1/4	1,948.47	1/4	2,226.67	1/4	2,504.87
1/2	22.37	1/2	289.85	1/2	568.03	1/2	842.63	1/2	1,119.67	1/2	1,397.87	1/2	1,676.07	1/2	1,954.27	1/2	2,232.46	1/2	2,510.66
3/4	25.85	3/4	295.64	3/4	573.83	3/4	848.33	3/4	1,125.47	3/4	1,403.66	3/4	1,681.86	3/4	1,960.06	3/4	2,238.26	3/4	2,516.46
1	29.33	1	301.44	1	579.62	1	854.02	1	1,131.26	1	1,409.46	1	1,687.66	1	1,965.86	1	2,244.06	1	2,522.25
1/4	33.96	1/4	307.24	1/4	585.42	1/4	859.72	1/4	1,137.06	1/4	1,415.26	1/4	1,693.45	1/4	1,971.65	1/4	2,249.85	1/4	2,528.05
1/2	38.60	1/2	313.03	1/2	591.21	1/2	865.41	1/2	1,142.85	1/2	1,421.05	1/2	1,699.25	1/2	1,977.45	1/2	2,255.65	1/2	2,533.85
3/4	43.23	3/4	318.83	3/4	597.01	3/4	871.11	3/4	1,148.65	3/4	1,426.85	3/4	1,705.05	3/4	1,983.24	3/4	2,261.44	3/4	2,539.64
2	47.86	2	324.62	2	602.81	2	876.80	2	1,154.45	2	1,432.64	2	1,710.84	2	1,989.04	2	2,267.24	2	2,545.44
1/4	53.35	1/4	330.42	1/4	608.60	1/4	882.50	1/4	1,160.24	1/4	1,438.44	1/4	1,716.64	1/4	1,994.84	1/4	2,273.03	1/4	2,551.23
1/2	58.83	1/2	336.21	1/2	614.40	1/2	888.21	1/2	1,166.04	1/2	1,444.24	1/2	1,722.43	1/2	2,000.63	1/2	2,278.83	1/2	2,557.03
3/4	64.32	3/4	342.01	3/4	620.19	3/4	893.91	3/4	1,171.83	3/4	1,450.03	3/4	1,728.23	3/4	2,006.43	3/4	2,284.63	3/4	2,562.82
3	69.80	3	347.80	3	625.99	3	899.61	3	1,177.63	3	1,455.83	3	1,734.03	3	2,012.22	3	2,290.42	3	2,568.62
1/4	75.56	1/4	353.60	1/4	631.74	1/4	905.36	1/4	1,183.42	1/4	1,461.62	1/4	1,739.82	1/4	2,018.22	1/4	2,296.22	1/4	2,574.42
1/2	81.33	1/2	359.39	1/2	637.49	1/2	911.11	1/2	1,189.22	1/2	1,467.42	1/2	1,745.62	1/2	2,023.82	1/2	2,302.01	1/2	2,580.21
3/4	87.10	3/4	365.19	3/4	643.24	3/4	916.86	3/4	1,195.02	3/4	1,473.21	3/4	1,751.41	3/4	2,029.61	3/4	2,307.81	3/4	2,586.01
4	92.86	4	370.99	4	648.99	4	922.61	4	1,200.81	4	1,479.01	4	1,757.21	4	2,035.41	4	2,313.61	4	2,591.80
1/4	98.65	1/4	376.78	1/4	654.69	1/4	928.41	1/4	1,206.61	1/4	1,484.81	1/4	1,763.00	1/4	2,041.20	1/4	2,319.40	1/4	2,597.60
1/2	104.43	1/2	382.58	1/2	660.39	1/2	934.21	1/2	1,212.40	1/2	1,490.60	1/2	1,768.80	1/2	2,047.00	1/2	2,325.20	1/2	2,603.40
3/4	110.21	3/4	388.37	3/4	666.09	3/4	940.00	3/4	1,218.20	3/4	1,496.40	3/4	1,774.60	3/4	2,052.79	3/4	2,330.99	3/4	2,609.19
5	116.00	5	394.17	5	671.79	5	945.80	5	1,224.00	5	1,502.19	5	1,780.39	5	2,058.59	5	2,336.79	5	2,614.99
1/4	121.79	1/4	399.96	1/4	677.49	1/4	951.59	1/4	1,229.79	1/4	1,507.99	1/4	1,786.19	1/4	2,064.39	1/4	2,342.58	1/4	2,620.78
1/2	127.58	1/2	405.76	1/2	683.18	1/2	957.39	1/2	1,235.59	1/2	1,513.79	1/2	1,791.98	1/2	2,070.18	1/2	2,348.38	1/2	2,626.58
3/4	133.38	3/4	411.55	3/4	688.88	3/4	963.18	3/4	1,241.38	3/4	1,519.58	3/4	1,797.78	3/4	2,075.98	3/4	2,354.18	3/4	2,632.37
6	139.17	6	417.35	6	694.57	6	968.98	6	1,247.18	6	1,525.38	6	1,803.58	6	2,081.77	6	2,359.97	6	2,638.17
1/4	144.96	1/4	423.15	1/4	700.27	1/4	974.78	1/4	1,252.97	1/4	1,531.17	1/4	1,809.37	1/4	2,087.57	1/4	2,365.77	1/4	2,643.97
1/2	150.76	1/2	428.94	1/2	705.96	1/2	980.57	1/2	1,258.77	1/2	1,536.97	1/2	1,815.17	1/2	2,093.37	1/2	2,371.56	1/2	2,649.76
3/4	156.55	3/4	434.74	3/4	711.66	3/4	986.37	3/4	1,264.57	3/4	1,542.76	3/4	1,820.96	3/4	2,099.16	3/4	2,377.36	3/4	2,655.56
7	162.35	7	440.53	7	717.35	7	992.16	7	1,270.36	7	1,548.56	7	1,826.76	7	2,104.96	7	2,383.16	7	2,661.35
1/4	168.14	1/4	446.33	1/4	723.05	1/4	997.96	1/4	1,276.16	1/4	1,554.36	1/4	1,832.55	1/4	2,110.75	1/4	2,388.95	1/4	2,667.15
1/2	173.94	1/2	452.12	1/2	728.74	1/2	1,003.75	1/2	1,281.95	1/2	1,560.15	1/2	1,838.35	1/2	2,116.55	1/2	2,394.75	1/2	2,672.95
3/4	179.73	3/4	457.92	3/4	734.44	3/4	1,009.55	3/4	1,287.75	3/4	1,565.95	3/4	1,844.15	3/4	2,122.34	3/4	2,400.54	3/4	2,678.74
8	185.53	8	463.71	8	740.13	8	1,015.35	8	1,293.54	8	1,571.74	8	1,849.94	8	2,128.14	8	2,406.34	8	2,684.54
1/4	191.33	1/4	469.51	1/4	745.82	1/4	1,021.14	1/4	1,299.34	1/4	1,577.54	1/4	1,855.74	1/4	2,133.94	1/4	2,412.13	1/4	2,690.33
1/2	197.12	1/2	475.30	1/2	751.52	1/2	1,026.94	1/2	1,305.14	1/2	1,583.33	1/2	1,861.53	1/2	2,139.73	1/2	2,417.93	1/2	2,696.13
3/4	202.92	3/4	481.10	3/4	757.21	3/4	1,032.73	3/4	1,310.93	3/4	1,589.13	3/4	1,867.33	3/4	2,145.53	3/4	2,423.73	3/4	2,701.92
9	208.71	9	486.90	9	762.91	9	1,038.53	9	1,316.73	9	1,594.93	9	1,873.12	9	2,151.32	9	2,429.52	9	2,707.72
1/4	214.51	1/4	492.69	1/4	768.60	1/4	1,044.33	1/4	1,322.52	1/4	1,600.72	1/4	1,878.92	1/4	2,157.12	1/4	2,435.32	1/4	2,713.52
1/2	220.30	1/2	498.49	1/2	774.30	1/2	1,050.12	1/2	1,328.32	1/2	1,606.52	1/2	1,884.72	1/2	2,162.91	1/2	2,441.11	1/2	2,719.31
3/4	226.10	3/4	504.28	3/4	779.99	3/4	1,055.92	3/4	1,334.12	3/4	1,612.31	3/4	1,890.51	3/4	2,168.71	3/4	2,446.91	3/4	2,725.11
10	231.89	10	510.08	10	785.69	10	1,061.71	10	1,339.91	10	1,618.11	10	1,896.31	10	2,174.51	10	2,452.70	10	2,730.90
1/4	237.69	1/4	515.87	1/4	791.38	1/4	1,067.51	1/4	1,345.71	1/4	1,623.91	1/4	1,902.10	1/4	2,180.30	1/4	2,458.50	1/4	2,736.70
1/2	243.48	1/2	521.67	1/2	797.08	1/2	1,073.30	1/2	1,351.50	1/2	1,629.70	1/2	1,907.90	1/2	2,186.10	1/2	2,464.30	1/2	2,742.49
3/4	249.28	3/4	527.46	3/4	802.77	3/4	1,079.10	3/4	1,357.30	3/4	1,635.50	3/4	1,913.70	3/4	2,191.89	3/4	2,470.09	3/4	2,748.29
11	255.08	11	533.26	11	808.47	11	1,084.90	11	1,363.09	11	1,641.29	11	1,919.49	11	2,197.69	11	2,475.89	11	2,754.09
1/4	260.87	1/4	539.06	1/4	814.16	1/4	1,090.69	1/4	1,368.89	1/4	1,647.09	1/4	1,925.29	1/4	2,203.49	1/4	2,481.68	1/4	2,759.88
1/2	266.67	1/2	544.85	1/2	819.86	1/2	1,096.49	1/2	1,374.69	1/2	1,652.88	1/2	1,931.08	1/2	2,209.28	1/2	2,487.48	1/2	2,765.68
3/4	272.46	3/4	550.65	3/4	825.55	3/4	1,102.28	3/4	1,380.48	3/4	1,658.68	3/4	1,936.88	3/4	2,215.08	3/4	2,493.28	3/4	2,771.47

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 35'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77578
<http://www.pmacorp.net>



BARGE "DBL 312"

**2 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,777.27	0	3,055.47	0	3,333.67	0	3,606.98	0	3,866.30	0		0		0		0		0	
1/4	2,783.07	1/4	3,061.26	1/4	3,339.46	1/4	3,612.54	1/4	3,871.55	1/4		1/4		1/4		1/4		1/4	
1/2	2,788.86	1/2	3,067.06	1/2	3,345.26	1/2	3,618.09	1/2	3,876.79	1/2		1/2		1/2		1/2		1/2	
3/4	2,794.66	3/4	3,072.86	3/4	3,351.05	3/4	3,623.64	3/4	3,882.04	3/4		3/4		3/4		3/4		3/4	
1	2,800.45	1	3,078.65	1	3,356.85	1	3,629.20	1	3,887.29	1		1		1		1		1	
1/4	2,806.25	1/4	3,084.45	1/4	3,362.64	1/4	3,634.73	1/4	3,892.52	1/4		1/4		1/4		1/4		1/4	
1/2	2,812.04	1/2	3,090.24	1/2	3,368.43	1/2	3,640.26	1/2	3,897.74	1/2		1/2		1/2		1/2		1/2	
3/4	2,817.84	3/4	3,096.04	3/4	3,374.21	3/4	3,645.79	3/4	3,902.97	3/4		3/4		3/4		3/4		3/4	
2	2,823.64	2	3,101.83	2	3,380.00	2	3,651.32	2	3,908.19	2		2		2		2		2	
1/4	2,829.43	1/4	3,107.63	1/4	3,385.77	1/4	3,656.83	1/4	3,913.40	1/4		1/4		1/4		1/4		1/4	
1/2	2,835.23	1/2	3,113.43	1/2	3,391.55	1/2	3,662.34	1/2	3,918.60	1/2		1/2		1/2		1/2		1/2	
3/4	2,841.02	3/4	3,119.22	3/4	3,397.32	3/4	3,667.85	3/4	3,923.80	3/4		3/4		3/4		3/4		3/4	
3	2,846.82	3	3,125.02	3	3,403.10	3	3,673.36	3	3,929.01	3		3		3		3		3	
1/4	2,852.61	1/4	3,130.81	1/4	3,408.85	1/4	3,678.82	1/4	3,934.19	1/4		1/4		1/4		1/4		1/4	
1/2	2,858.41	1/2	3,136.61	1/2	3,414.60	1/2	3,684.29	1/2	3,939.37	1/2		1/2		1/2		1/2		1/2	
3/4	2,864.21	3/4	3,142.40	3/4	3,420.35	3/4	3,689.75	3/4	3,944.55	3/4		3/4		3/4		3/4		3/4	
4	2,870.00	4	3,148.20	4	3,426.10	4	3,695.22	4	3,949.73	4		4		4		4		4	
1/4	2,875.80	1/4	3,154.00	1/4	3,431.83	1/4	3,700.64	1/4	3,954.89	1/4		1/4		1/4		1/4		1/4	
1/2	2,881.59	1/2	3,159.79	1/2	3,437.56	1/2	3,706.06	1/2	3,960.05	1/2		1/2		1/2		1/2		1/2	
3/4	2,887.39	3/4	3,165.59	3/4	3,443.29	3/4	3,711.49	3/4	3,965.21	3/4		3/4		3/4		3/4		3/4	
5	2,893.19	5	3,171.38	5	3,449.02	5	3,716.91	5	3,970.37	5		5		5		5		5	
1/4	2,898.98	1/4	3,177.18	1/4	3,454.73	1/4	3,722.31	1/4	3,975.61	1/4		1/4		1/4		1/4		1/4	
1/2	2,904.78	1/2	3,182.98	1/2	3,460.44	1/2	3,727.71	1/2	3,980.86	1/2		1/2		1/2		1/2		1/2	
3/4	2,910.57	3/4	3,188.77	3/4	3,466.14	3/4	3,733.11	3/4	3,986.10	3/4		3/4		3/4		3/4		3/4	
6	2,916.37	6	3,194.57	6	3,471.85	6	3,738.51	6	3,991.35	6		6		6		6		6	
1/4	2,922.16	1/4	3,200.36	1/4	3,477.54	1/4	3,743.89	1/4	3,996.25	1/4		1/4		1/4		1/4		1/4	
1/2	2,927.96	1/2	3,206.16	1/2	3,483.22	1/2	3,749.27	1/2	4,001.15	1/2		1/2		1/2		1/2		1/2	
3/4	2,933.76	3/4	3,211.95	3/4	3,488.91	3/4	3,754.65	3/4	4,006.05	3/4		3/4		3/4		3/4		3/4	
7	2,939.55	7	3,217.75	7	3,494.59	7	3,760.02	7	4,010.95	7		7		7		7		7	
1/4	2,945.35	1/4	3,223.55	1/4	3,500.26	1/4	3,765.38	1/4	4,014.99	1/4		1/4		1/4		1/4		1/4	
1/2	2,951.14	1/2	3,229.34	1/2	3,505.92	1/2	3,770.74	1/2	4,019.04	1/2		1/2		1/2		1/2		1/2	
3/4	2,956.94	3/4	3,235.14	3/4	3,511.58	3/4	3,776.10	3/4	4,023.09	3/4		3/4		3/4		3/4		3/4	
8	2,962.74	8	3,240.93	8	3,517.25	8	3,781.46	8	4,027.13	8		8		8		8		8	
1/4	2,968.53	1/4	3,246.73	1/4	3,522.89	1/4	3,786.79	1/4	4,030.35	1/4		1/4		1/4		1/4		1/4	
1/2	2,974.33	1/2	3,252.53	1/2	3,528.53	1/2	3,792.13	1/2	4,033.57	1/2		1/2		1/2		1/2		1/2	
3/4	2,980.12	3/4	3,258.32	3/4	3,534.17	3/4	3,797.46	3/4	4,036.79	3/4		3/4		3/4		3/4		3/4	
9	2,985.92	9	3,264.12	9	3,539.81	9	3,802.80	9		9		9		9		9		9	
1/4	2,991.71	1/4	3,269.91	1/4	3,545.43	1/4	3,808.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,997.51	1/2	3,275.71	1/2	3,551.05	1/2	3,813.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,003.31	3/4	3,281.50	3/4	3,556.67	3/4	3,818.74	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,009.10	10	3,287.30	10	3,562.29	10	3,824.05	10		10		10		10		10		10	
1/4	3,014.90	1/4	3,293.10	1/4	3,567.89	1/4	3,829.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,020.69	1/2	3,298.89	1/2	3,573.49	1/2	3,834.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,026.49	3/4	3,304.69	3/4	3,579.08	3/4	3,839.93	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,032.28	11	3,310.48	11	3,584.68	11	3,845.22	11		11		11		11		11		11	
1/4	3,038.08	1/4	3,316.28	1/4	3,590.26	1/4	3,850.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,043.88	1/2	3,322.07	1/2	3,595.83	1/2	3,855.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,049.67	3/4	3,327.87	3/4	3,601.41	3/4	3,861.03	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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



BARGE "DBL 312"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.36	0	277.03	0	553.99	0	830.37	0	1,107.14	0	1,384.11	0	1,661.07	0	1,938.04	0	2,215.00	0	2,489.57
1/4	18.82	1/4	282.80	1/4	559.76	1/4	836.12	1/4	1,112.91	1/4	1,389.88	1/4	1,666.84	1/4	1,943.81	1/4	2,220.75	1/4	2,495.29
1/2	22.28	1/2	288.57	1/2	565.53	1/2	841.87	1/2	1,118.68	1/2	1,395.65	1/2	1,672.61	1/2	1,949.58	1/2	2,226.50	1/2	2,501.00
3/4	25.74	3/4	294.34	3/4	571.30	3/4	847.62	3/4	1,124.45	3/4	1,401.42	3/4	1,678.38	3/4	1,955.35	3/4	2,232.25	3/4	2,506.72
1	29.20	1	300.11	1	577.07	1	853.38	1	1,130.22	1	1,407.19	1	1,684.15	1	1,961.12	1	2,237.99	1	2,512.44
1/4	33.82	1/4	305.88	1/4	582.84	1/4	859.13	1/4	1,135.99	1/4	1,412.96	1/4	1,689.92	1/4	1,966.89	1/4	2,243.71	1/4	2,518.16
1/2	38.43	1/2	311.65	1/2	588.61	1/2	864.88	1/2	1,141.76	1/2	1,418.73	1/2	1,695.69	1/2	1,972.66	1/2	2,249.43	1/2	2,523.87
3/4	43.04	3/4	317.42	3/4	594.38	3/4	870.63	3/4	1,147.53	3/4	1,424.50	3/4	1,701.46	3/4	1,978.43	3/4	2,255.15	3/4	2,529.59
2	47.66	2	323.19	2	600.15	2	876.38	2	1,153.30	2	1,430.27	2	1,707.23	2	1,984.20	2	2,260.87	2	2,535.31
1/4	53.12	1/4	328.96	1/4	605.92	1/4	882.14	1/4	1,159.07	1/4	1,436.04	1/4	1,713.00	1/4	1,989.97	1/4	2,266.58	1/4	2,541.03
1/2	58.58	1/2	334.73	1/2	611.69	1/2	887.90	1/2	1,164.84	1/2	1,441.81	1/2	1,718.77	1/2	1,995.74	1/2	2,272.30	1/2	2,546.75
3/4	64.04	3/4	340.50	3/4	617.46	3/4	893.66	3/4	1,170.61	3/4	1,447.58	3/4	1,724.54	3/4	2,001.51	3/4	2,278.02	3/4	2,552.46
3	69.50	3	346.27	3	623.23	3	899.42	3	1,176.38	3	1,453.35	3	1,730.31	3	2,007.28	3	2,283.74	3	2,558.18
1/4	75.24	1/4	352.04	1/4	629.00	1/4	905.19	1/4	1,182.15	1/4	1,459.12	1/4	1,736.08	1/4	2,013.05	1/4	2,289.45	1/4	2,563.92
1/2	80.98	1/2	357.81	1/2	634.77	1/2	910.96	1/2	1,187.92	1/2	1,464.89	1/2	1,741.85	1/2	2,018.82	1/2	2,295.17	1/2	2,569.66
3/4	86.72	3/4	363.58	3/4	640.54	3/4	916.73	3/4	1,193.69	3/4	1,470.66	3/4	1,747.62	3/4	2,024.59	3/4	2,300.89	3/4	2,575.40
4	92.46	4	369.35	4	646.31	4	922.50	4	1,199.46	4	1,476.43	4	1,753.39	4	2,030.36	4	2,306.61	4	2,581.14
1/4	98.22	1/4	375.12	1/4	652.07	1/4	928.27	1/4	1,205.24	1/4	1,482.20	1/4	1,759.16	1/4	2,036.13	1/4	2,312.32	1/4	2,586.90
1/2	103.97	1/2	380.89	1/2	657.83	1/2	934.04	1/2	1,211.01	1/2	1,487.97	1/2	1,764.93	1/2	2,041.90	1/2	2,318.04	1/2	2,592.66
3/4	109.73	3/4	386.66	3/4	663.59	3/4	939.81	3/4	1,216.78	3/4	1,493.74	3/4	1,770.70	3/4	2,047.67	3/4	2,323.76	3/4	2,598.42
5	115.49	5	392.43	5	669.35	5	945.58	5	1,222.55	5	1,499.51	5	1,776.47	5	2,053.44	5	2,329.48	5	2,604.18
1/4	121.26	1/4	398.20	1/4	675.10	1/4	951.35	1/4	1,228.32	1/4	1,505.28	1/4	1,782.24	1/4	2,059.21	1/4	2,335.19	1/4	2,609.94
1/2	127.02	1/2	403.97	1/2	680.85	1/2	957.12	1/2	1,234.09	1/2	1,511.05	1/2	1,788.02	1/2	2,064.98	1/2	2,340.91	1/2	2,615.70
3/4	132.79	3/4	409.74	3/4	686.60	3/4	962.89	3/4	1,239.86	3/4	1,516.82	3/4	1,793.79	3/4	2,070.75	3/4	2,346.63	3/4	2,621.47
6	138.56	6	415.51	6	692.35	6	968.66	6	1,245.63	6	1,522.59	6	1,799.56	6	2,076.52	6	2,352.35	6	2,627.23
1/4	144.33	1/4	421.28	1/4	698.10	1/4	974.43	1/4	1,251.40	1/4	1,528.36	1/4	1,805.33	1/4	2,082.29	1/4	2,358.06	1/4	2,632.99
1/2	150.10	1/2	427.05	1/2	703.85	1/2	980.20	1/2	1,257.17	1/2	1,534.13	1/2	1,811.10	1/2	2,088.06	1/2	2,363.78	1/2	2,638.75
3/4	155.87	3/4	432.82	3/4	709.60	3/4	985.97	3/4	1,262.94	3/4	1,539.90	3/4	1,816.87	3/4	2,093.83	3/4	2,369.50	3/4	2,644.51
7	161.64	7	438.59	7	715.35	7	991.74	7	1,268.71	7	1,545.67	7	1,822.64	7	2,099.60	7	2,375.22	7	2,650.27
1/4	167.41	1/4	444.36	1/4	721.11	1/4	997.51	1/4	1,274.48	1/4	1,551.44	1/4	1,828.41	1/4	2,105.37	1/4	2,380.93	1/4	2,656.03
1/2	173.18	1/2	450.13	1/2	726.86	1/2	1,003.28	1/2	1,280.25	1/2	1,557.21	1/2	1,834.18	1/2	2,111.14	1/2	2,386.65	1/2	2,661.80
3/4	178.95	3/4	455.90	3/4	732.61	3/4	1,009.05	3/4	1,286.02	3/4	1,562.98	3/4	1,839.95	3/4	2,116.91	3/4	2,392.37	3/4	2,667.56
8	184.72	8	461.67	8	738.36	8	1,014.82	8	1,291.79	8	1,568.75	8	1,845.72	8	2,122.68	8	2,398.09	8	2,673.32
1/4	190.49	1/4	467.44	1/4	744.11	1/4	1,020.59	1/4	1,297.56	1/4	1,574.52	1/4	1,851.49	1/4	2,128.45	1/4	2,403.81	1/4	2,679.08
1/2	196.26	1/2	473.21	1/2	749.86	1/2	1,026.36	1/2	1,303.33	1/2	1,580.29	1/2	1,857.26	1/2	2,134.22	1/2	2,409.52	1/2	2,684.84
3/4	202.03	3/4	478.98	3/4	755.61	3/4	1,032.13	3/4	1,309.10	3/4	1,586.06	3/4	1,863.03	3/4	2,139.99	3/4	2,415.24	3/4	2,690.60
9	207.80	9	484.75	9	761.36	9	1,037.90	9	1,314.87	9	1,591.83	9	1,868.80	9	2,145.76	9	2,420.96	9	2,696.37
1/4	213.57	1/4	490.52	1/4	767.11	1/4	1,043.67	1/4	1,320.64	1/4	1,597.60	1/4	1,874.57	1/4	2,151.53	1/4	2,426.68	1/4	2,701.84
1/2	219.34	1/2	496.29	1/2	772.86	1/2	1,049.44	1/2	1,326.41	1/2	1,603.37	1/2	1,880.34	1/2	2,157.30	1/2	2,432.39	1/2	2,707.32
3/4	225.11	3/4	502.06	3/4	778.61	3/4	1,055.21	3/4	1,332.18	3/4	1,609.14	3/4	1,886.11	3/4	2,163.07	3/4	2,438.11	3/4	2,712.80
10	230.87	10	507.83	10	784.36	10	1,060.98	10	1,337.95	10	1,614.91	10	1,891.88	10	2,168.84	10	2,443.83	10	2,718.28
1/4	236.64	1/4	513.60	1/4	790.12	1/4	1,066.75	1/4	1,343.72	1/4	1,620.68	1/4	1,897.65	1/4	2,174.61	1/4	2,449.55	1/4	2,723.47
1/2	242.41	1/2	519.37	1/2	795.87	1/2	1,072.52	1/2	1,349.49	1/2	1,626.45	1/2	1,903.42	1/2	2,180.38	1/2	2,455.26	1/2	2,728.66
3/4	248.18	3/4	525.14	3/4	801.62	3/4	1,078.29	3/4	1,355.26	3/4	1,632.22	3/4	1,909.19	3/4	2,186.15	3/4	2,460.98	3/4	2,733.86
11	253.95	11	530.91	11	807.37	11	1,084.06	11	1,361.03	11	1,637.99	11	1,914.96	11	2,191.92	11	2,466.70	11	2,739.05
1/4	259.72	1/4	536.68	1/4	813.12	1/4	1,089.83	1/4	1,366.80	1/4	1,643.76	1/4	1,920.73	1/4	2,197.69	1/4	2,472.42	1/4	2,744.25
1/2	265.49	1/2	542.45	1/2	818.87	1/2	1,095.60	1/2	1,372.57	1/2	1,649.53	1/2	1,926.50	1/2	2,203.46	1/2	2,478.13	1/2	2,749.44
3/4	271.26	3/4	548.22	3/4	824.62	3/4	1,101.37	3/4	1,378.34	3/4	1,655.30	3/4	1,932.27	3/4	2,209.23	3/4	2,483.85	3/4	2,754.63

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 28'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "DBL 312"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,759.83	0	3,009.13	0	3,258.44	0	3,502.90	0	3,733.54	0		0		0					0
1/4	2,765.02	1/4	3,014.33	1/4	3,263.64	1/4	3,507.85	1/4	3,738.19	1/4		1/4		1/4					1/4
1/2	2,770.21	1/2	3,019.52	1/2	3,268.83	1/2	3,512.80	1/2	3,742.84	1/2		1/2		1/2					1/2
3/4	2,775.41	3/4	3,024.72	3/4	3,274.02	3/4	3,517.75	3/4	3,747.49	3/4		3/4		3/4					3/4
1	2,780.60	1	3,029.91	1	3,279.22	1	3,522.71	1	3,752.15	1		1		1					1
1/4	2,785.80	1/4	3,035.10	1/4	3,284.41	1/4	3,527.64	1/4	3,756.78	1/4		1/4		1/4					1/4
1/2	2,790.99	1/2	3,040.30	1/2	3,289.60	1/2	3,532.57	1/2	3,761.41	1/2		1/2		1/2					1/2
3/4	2,796.18	3/4	3,045.49	3/4	3,294.78	3/4	3,537.50	3/4	3,766.04	3/4		3/4		3/4					3/4
2	2,801.38	2	3,050.69	2	3,299.97	2	3,542.43	2	3,770.66	2		2		2					2
1/4	2,806.57	1/4	3,055.88	1/4	3,305.15	1/4	3,547.33	1/4	3,775.27	1/4		1/4		1/4					1/4
1/2	2,811.77	1/2	3,061.07	1/2	3,310.32	1/2	3,552.24	1/2	3,779.88	1/2		1/2		1/2					1/2
3/4	2,816.96	3/4	3,066.27	3/4	3,315.49	3/4	3,557.15	3/4	3,784.49	3/4		3/4		3/4					3/4
3	2,822.15	3	3,071.46	3	3,320.66	3	3,562.06	3	3,789.10	3		3		3					3
1/4	2,827.35	1/4	3,076.65	1/4	3,325.81	1/4	3,566.93	1/4	3,793.68	1/4		1/4		1/4					1/4
1/2	2,832.54	1/2	3,081.85	1/2	3,330.96	1/2	3,571.79	1/2	3,798.27	1/2		1/2		1/2					1/2
3/4	2,837.74	3/4	3,087.04	3/4	3,336.11	3/4	3,576.66	3/4	3,802.85	3/4		3/4		3/4					3/4
4	2,842.93	4	3,092.24	4	3,341.26	4	3,581.53	4	3,807.44	4		4		4					4
1/4	2,848.12	1/4	3,097.43	1/4	3,346.39	1/4	3,586.35	1/4	3,812.00	1/4		1/4		1/4					1/4
1/2	2,853.32	1/2	3,102.62	1/2	3,351.52	1/2	3,591.18	1/2	3,816.57	1/2		1/2		1/2					1/2
3/4	2,858.51	3/4	3,107.82	3/4	3,356.64	3/4	3,596.01	3/4	3,821.13	3/4		3/4		3/4					3/4
5	2,863.70	5	3,113.01	5	3,361.77	5	3,600.83	5	3,825.70	5		5		5					5
1/4	2,868.90	1/4	3,118.21	1/4	3,366.88	1/4	3,605.64	1/4	3,830.35	1/4		1/4		1/4					1/4
1/2	2,874.09	1/2	3,123.40	1/2	3,371.98	1/2	3,610.44	1/2	3,835.00	1/2		1/2		1/2					1/2
3/4	2,879.29	3/4	3,128.59	3/4	3,377.09	3/4	3,615.24	3/4	3,839.64	3/4		3/4		3/4					3/4
6	2,884.48	6	3,133.79	6	3,382.20	6	3,620.05	6	3,844.29	6		6		6					6
1/4	2,889.67	1/4	3,138.98	1/4	3,387.28	1/4	3,624.83	1/4	3,848.60	1/4		1/4		1/4					1/4
1/2	2,894.87	1/2	3,144.18	1/2	3,392.37	1/2	3,629.61	1/2	3,852.91	1/2		1/2		1/2					1/2
3/4	2,900.06	3/4	3,149.37	3/4	3,397.45	3/4	3,634.40	3/4	3,857.22	3/4		3/4		3/4					3/4
7	2,905.26	7	3,154.56	7	3,402.53	7	3,639.18	7	3,861.53	7		7		7					7
1/4	2,910.45	1/4	3,159.76	1/4	3,407.60	1/4	3,643.94	1/4	3,864.99	1/4		1/4		1/4					1/4
1/2	2,915.64	1/2	3,164.95	1/2	3,412.66	1/2	3,648.70	1/2	3,868.45	1/2		1/2		1/2					1/2
3/4	2,920.84	3/4	3,170.15	3/4	3,417.72	3/4	3,653.47	3/4	3,871.92	3/4		3/4		3/4					3/4
8	2,926.03	8	3,175.34	8	3,422.78	8	3,658.23	8	3,875.38	8		8		8					8
1/4	2,931.23	1/4	3,180.53	1/4	3,427.82	1/4	3,662.97	1/4	3,878.01	1/4		1/4		1/4					1/4
1/2	2,936.42	1/2	3,185.73	1/2	3,432.86	1/2	3,667.71	1/2	3,880.65	1/2		1/2		1/2					1/2
3/4	2,941.61	3/4	3,190.92	3/4	3,437.90	3/4	3,672.45	3/4	3,883.29	3/4		3/4		3/4					3/4
9	2,946.81	9	3,196.11	9	3,442.94	9	3,677.19	9		9		9		9					9
1/4	2,952.00	1/4	3,201.31	1/4	3,447.96	1/4	3,681.90	1/4		1/4		1/4		1/4					1/4
1/2	2,957.20	1/2	3,206.50	1/2	3,452.98	1/2	3,686.62	1/2		1/2		1/2		1/2					1/2
3/4	2,962.39	3/4	3,211.70	3/4	3,458.00	3/4	3,691.34	3/4		3/4		3/4		3/4					3/4
10	2,967.58	10	3,216.89	10	3,463.01	10	3,696.06	10		10		10		10					10
1/4	2,972.78	1/4	3,222.08	1/4	3,468.01	1/4	3,700.75	1/4		1/4		1/4		1/4					1/4
1/2	2,977.97	1/2	3,227.28	1/2	3,473.01	1/2	3,705.45	1/2		1/2		1/2		1/2					1/2
3/4	2,983.16	3/4	3,232.47	3/4	3,478.00	3/4	3,710.15	3/4		3/4		3/4		3/4					3/4
11	2,988.36	11	3,237.67	11	3,483.00	11	3,714.84	11		11		11		11					11
1/4	2,993.55	1/4	3,242.86	1/4	3,487.97	1/4	3,719.52	1/4		1/4		1/4		1/4					1/4
1/2	2,998.75	1/2	3,248.05	1/2	3,492.95	1/2	3,724.19	1/2		1/2		1/2		1/2					1/2
3/4	3,003.94	3/4	3,253.25	3/4	3,497.92	3/4	3,728.86	3/4		3/4		3/4		3/4					3/4

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "DBL 312"

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	15.34	0	276.79	0	553.50	0	828.39	0	1,104.40	0	1,381.12	0	1,657.85	0	1,934.57	0	2,211.30	0	2,485.59
1/4	18.80	1/4	282.55	1/4	559.26	1/4	834.10	1/4	1,110.16	1/4	1,386.89	1/4	1,663.61	1/4	1,940.34	1/4	2,217.03	1/4	2,491.30
1/2	22.26	1/2	288.32	1/2	565.03	1/2	839.81	1/2	1,115.93	1/2	1,392.65	1/2	1,669.38	1/2	1,946.10	1/2	2,222.77	1/2	2,497.01
3/4	25.72	3/4	294.08	3/4	570.79	3/4	845.52	3/4	1,121.69	3/4	1,398.42	3/4	1,675.14	3/4	1,951.87	3/4	2,228.50	3/4	2,502.73
1	29.17	1	299.85	1	576.56	1	851.23	1	1,127.46	1	1,404.18	1	1,680.91	1	1,957.63	1	2,234.24	1	2,508.44
1/4	33.78	1/4	305.61	1/4	582.32	1/4	856.94	1/4	1,133.22	1/4	1,409.95	1/4	1,686.67	1/4	1,963.40	1/4	2,239.95	1/4	2,514.15
1/2	38.40	1/2	311.38	1/2	588.09	1/2	862.65	1/2	1,138.99	1/2	1,415.71	1/2	1,692.44	1/2	1,969.16	1/2	2,245.66	1/2	2,519.86
3/4	43.01	3/4	317.14	3/4	593.85	3/4	868.36	3/4	1,144.75	3/4	1,421.48	3/4	1,698.20	3/4	1,974.93	3/4	2,251.38	3/4	2,525.58
2	47.62	2	322.91	2	599.62	2	874.07	2	1,150.52	2	1,427.24	2	1,703.97	2	1,980.69	2	2,257.09	2	2,531.29
1/4	53.07	1/4	328.67	1/4	605.38	1/4	879.79	1/4	1,156.28	1/4	1,433.01	1/4	1,709.73	1/4	1,986.46	1/4	2,262.80	1/4	2,537.00
1/2	58.52	1/2	334.44	1/2	611.15	1/2	885.50	1/2	1,162.05	1/2	1,438.77	1/2	1,715.50	1/2	1,992.22	1/2	2,268.51	1/2	2,542.71
3/4	63.98	3/4	340.20	3/4	616.91	3/4	891.22	3/4	1,167.81	3/4	1,444.54	3/4	1,721.26	3/4	1,997.99	3/4	2,274.23	3/4	2,548.43
3	69.43	3	345.97	3	622.68	3	896.94	3	1,173.58	3	1,450.30	3	1,727.03	3	2,003.75	3	2,279.94	3	2,554.14
1/4	75.17	1/4	351.73	1/4	628.42	1/4	902.68	1/4	1,179.34	1/4	1,456.07	1/4	1,732.79	1/4	2,009.52	1/4	2,285.65	1/4	2,559.87
1/2	80.90	1/2	357.50	1/2	634.16	1/2	908.43	1/2	1,185.11	1/2	1,461.83	1/2	1,738.56	1/2	2,015.28	1/2	2,291.36	1/2	2,565.61
3/4	86.64	3/4	363.26	3/4	639.90	3/4	914.17	3/4	1,190.87	3/4	1,467.60	3/4	1,744.32	3/4	2,021.05	3/4	2,297.08	3/4	2,571.35
4	92.38	4	369.03	4	645.65	4	919.91	4	1,196.64	4	1,473.36	4	1,750.09	4	2,026.81	4	2,302.79	4	2,577.08
1/4	98.13	1/4	374.79	1/4	651.36	1/4	925.68	1/4	1,202.40	1/4	1,479.13	1/4	1,755.85	1/4	2,032.58	1/4	2,308.50	1/4	2,582.84
1/2	103.88	1/2	380.55	1/2	657.08	1/2	931.44	1/2	1,208.17	1/2	1,484.89	1/2	1,761.62	1/2	2,038.34	1/2	2,314.21	1/2	2,588.59
3/4	109.64	3/4	386.32	3/4	662.79	3/4	937.21	3/4	1,213.93	3/4	1,490.66	3/4	1,767.38	3/4	2,044.11	3/4	2,319.93	3/4	2,594.35
5	115.39	5	392.08	5	668.51	5	942.97	5	1,219.70	5	1,496.42	5	1,773.15	5	2,049.87	5	2,325.64	5	2,600.11
1/4	121.15	1/4	397.85	1/4	674.22	1/4	948.74	1/4	1,225.46	1/4	1,502.19	1/4	1,778.91	1/4	2,055.64	1/4	2,331.35	1/4	2,605.86
1/2	126.91	1/2	403.61	1/2	679.93	1/2	954.50	1/2	1,231.23	1/2	1,507.95	1/2	1,784.68	1/2	2,061.40	1/2	2,337.06	1/2	2,611.62
3/4	132.67	3/4	409.38	3/4	685.64	3/4	960.27	3/4	1,236.99	3/4	1,513.72	3/4	1,790.44	3/4	2,067.17	3/4	2,342.78	3/4	2,617.38
6	138.43	6	415.14	6	691.35	6	966.03	6	1,242.76	6	1,519.48	6	1,796.21	6	2,072.93	6	2,348.49	6	2,623.13
1/4	144.20	1/4	420.91	1/4	697.06	1/4	971.80	1/4	1,248.52	1/4	1,525.25	1/4	1,801.97	1/4	2,078.70	1/4	2,354.20	1/4	2,628.89
1/2	149.96	1/2	426.67	1/2	702.77	1/2	977.56	1/2	1,254.29	1/2	1,531.01	1/2	1,807.74	1/2	2,084.46	1/2	2,359.91	1/2	2,634.64
3/4	155.73	3/4	432.44	3/4	708.48	3/4	983.33	3/4	1,260.05	3/4	1,536.78	3/4	1,813.50	3/4	2,090.23	3/4	2,365.63	3/4	2,640.40
7	161.49	7	438.20	7	714.19	7	989.09	7	1,265.82	7	1,542.54	7	1,819.27	7	2,095.99	7	2,371.34	7	2,646.16
1/4	167.26	1/4	443.97	1/4	719.90	1/4	994.86	1/4	1,271.58	1/4	1,548.31	1/4	1,825.03	1/4	2,101.76	1/4	2,377.05	1/4	2,651.91
1/2	173.02	1/2	449.73	1/2	725.61	1/2	1,000.62	1/2	1,277.35	1/2	1,554.07	1/2	1,830.80	1/2	2,107.52	1/2	2,382.76	1/2	2,657.67
3/4	178.79	3/4	455.50	3/4	731.32	3/4	1,006.39	3/4	1,283.11	3/4	1,559.84	3/4	1,836.56	3/4	2,113.29	3/4	2,388.48	3/4	2,663.43
8	184.55	8	461.26	8	737.03	8	1,012.15	8	1,288.88	8	1,565.60	8	1,842.33	8	2,119.05	8	2,394.19	8	2,669.18
1/4	190.32	1/4	467.03	1/4	742.74	1/4	1,017.92	1/4	1,294.64	1/4	1,571.37	1/4	1,848.09	1/4	2,124.82	1/4	2,399.90	1/4	2,674.94
1/2	196.08	1/2	472.79	1/2	748.45	1/2	1,023.68	1/2	1,300.41	1/2	1,577.13	1/2	1,853.86	1/2	2,130.58	1/2	2,405.61	1/2	2,680.70
3/4	201.85	3/4	478.56	3/4	754.16	3/4	1,029.45	3/4	1,306.17	3/4	1,582.90	3/4	1,859.62	3/4	2,136.35	3/4	2,411.33	3/4	2,686.45
9	207.61	9	484.32	9	759.87	9	1,035.21	9	1,311.94	9	1,588.66	9	1,865.39	9	2,142.11	9	2,417.04	9	2,692.21
1/4	213.38	1/4	490.09	1/4	765.58	1/4	1,040.98	1/4	1,317.70	1/4	1,594.43	1/4	1,871.15	1/4	2,147.88	1/4	2,422.75	1/4	2,697.98
1/2	219.14	1/2	495.85	1/2	771.29	1/2	1,046.75	1/2	1,323.47	1/2	1,600.19	1/2	1,876.92	1/2	2,153.64	1/2	2,428.46	1/2	2,703.15
3/4	224.91	3/4	501.62	3/4	777.00	3/4	1,052.51	3/4	1,329.23	3/4	1,605.96	3/4	1,882.68	3/4	2,159.41	3/4	2,434.18	3/4	2,708.63
10	230.67	10	507.38	10	782.71	10	1,058.28	10	1,335.00	10	1,611.72	10	1,888.45	10	2,165.17	10	2,439.89	10	2,714.10
1/4	236.43	1/4	513.15	1/4	788.42	1/4	1,064.04	1/4	1,340.77	1/4	1,617.49	1/4	1,894.21	1/4	2,170.94	1/4	2,445.60	1/4	2,719.29
1/2	242.20	1/2	518.91	1/2	794.13	1/2	1,069.81	1/2	1,346.53	1/2	1,623.26	1/2	1,899.98	1/2	2,176.70	1/2	2,451.31	1/2	2,724.48
3/4	247.96	3/4	524.67	3/4	799.84	3/4	1,075.57	3/4	1,352.30	3/4	1,629.02	3/4	1,905.74	3/4	2,182.47	3/4	2,457.03	3/4	2,729.67
11	253.73	11	530.44	11	805.55	11	1,081.34	11	1,358.06	11	1,634.79	11	1,911.51	11	2,188.23	11	2,462.74	11	2,734.86
1/4	259.49	1/4	536.20	1/4	811.26	1/4	1,087.10	1/4	1,363.83	1/4	1,640.55	1/4	1,917.28	1/4	2,194.00	1/4	2,468.45	1/4	2,740.05
1/2	265.26	1/2	541.97	1/2	816.97	1/2	1,092.87	1/2	1,369.59	1/2	1,646.32	1/2	1,923.04	1/2	2,199.77	1/2	2,474.16	1/2	2,745.24
3/4	271.02	3/4	547.73	3/4	822.68	3/4	1,098.63	3/4	1,375.36	3/4	1,652.08	3/4	1,928.81	3/4	2,205.53	3/4	2,479.88	3/4	2,750.43

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 28'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "DBL 312"

3 STBD 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	2,755.62	0	3,004.75	0	3,253.88	0	3,498.17	0	3,728.67	0		0		0		0		0	
1/4	2,760.81	1/4	3,009.94	1/4	3,259.07	1/4	3,503.11	1/4	3,733.32	1/4		1/4		1/4		1/4		1/4	
1/2	2,766.00	1/2	3,015.13	1/2	3,264.26	1/2	3,508.06	1/2	3,737.97	1/2		1/2		1/2		1/2		1/2	
3/4	2,771.19	3/4	3,020.32	3/4	3,269.45	3/4	3,513.01	3/4	3,742.62	3/4		3/4		3/4		3/4		3/4	
1	2,776.38	1	3,025.51	1	3,274.64	1	3,517.96	1	3,747.27	1		1		1		1		1	
1/4	2,781.57	1/4	3,030.70	1/4	3,279.83	1/4	3,522.89	1/4	3,751.90	1/4		1/4		1/4		1/4		1/4	
1/2	2,786.76	1/2	3,035.89	1/2	3,285.01	1/2	3,527.82	1/2	3,756.52	1/2		1/2		1/2		1/2		1/2	
3/4	2,791.95	3/4	3,041.08	3/4	3,290.20	3/4	3,532.74	3/4	3,761.15	3/4		3/4		3/4		3/4		3/4	
2	2,797.14	2	3,046.27	2	3,295.38	2	3,537.67	2	3,765.78	2		2		2		2		2	
1/4	2,802.33	1/4	3,051.46	1/4	3,300.55	1/4	3,542.58	1/4	3,770.39	1/4		1/4		1/4		1/4		1/4	
1/2	2,807.52	1/2	3,056.65	1/2	3,305.72	1/2	3,547.48	1/2	3,774.99	1/2		1/2		1/2		1/2		1/2	
3/4	2,812.72	3/4	3,061.84	3/4	3,310.88	3/4	3,552.39	3/4	3,779.60	3/4		3/4		3/4		3/4		3/4	
3	2,817.91	3	3,067.03	3	3,316.05	3	3,557.29	3	3,784.20	3		3		3		3		3	
1/4	2,823.10	1/4	3,072.23	1/4	3,321.20	1/4	3,562.16	1/4	3,788.79	1/4		1/4		1/4		1/4		1/4	
1/2	2,828.29	1/2	3,077.42	1/2	3,326.35	1/2	3,567.02	1/2	3,793.37	1/2		1/2		1/2		1/2		1/2	
3/4	2,833.48	3/4	3,082.61	3/4	3,331.49	3/4	3,571.88	3/4	3,797.95	3/4		3/4		3/4		3/4		3/4	
4	2,838.67	4	3,087.80	4	3,336.64	4	3,576.75	4	3,802.54	4		4		4		4		4	
1/4	2,843.86	1/4	3,092.99	1/4	3,341.76	1/4	3,581.57	1/4	3,807.10	1/4		1/4		1/4		1/4		1/4	
1/2	2,849.05	1/2	3,098.18	1/2	3,346.89	1/2	3,586.39	1/2	3,811.66	1/2		1/2		1/2		1/2		1/2	
3/4	2,854.24	3/4	3,103.37	3/4	3,352.01	3/4	3,591.22	3/4	3,816.22	3/4		3/4		3/4		3/4		3/4	
5	2,859.43	5	3,108.56	5	3,357.14	5	3,596.04	5	3,820.78	5		5		5		5		5	
1/4	2,864.62	1/4	3,113.75	1/4	3,362.24	1/4	3,600.84	1/4	3,825.43	1/4		1/4		1/4		1/4		1/4	
1/2	2,869.81	1/2	3,118.94	1/2	3,367.34	1/2	3,605.64	1/2	3,830.08	1/2		1/2		1/2		1/2		1/2	
3/4	2,875.00	3/4	3,124.13	3/4	3,372.44	3/4	3,610.44	3/4	3,834.72	3/4		3/4		3/4		3/4		3/4	
6	2,880.19	6	3,129.32	6	3,377.55	6	3,615.25	6	3,839.37	6		6		6		6		6	
1/4	2,885.38	1/4	3,134.51	1/4	3,382.63	1/4	3,620.03	1/4	3,843.68	1/4		1/4		1/4		1/4		1/4	
1/2	2,890.57	1/2	3,139.70	1/2	3,387.71	1/2	3,624.81	1/2	3,847.98	1/2		1/2		1/2		1/2		1/2	
3/4	2,895.76	3/4	3,144.89	3/4	3,392.79	3/4	3,629.59	3/4	3,852.29	3/4		3/4		3/4		3/4		3/4	
7	2,900.95	7	3,150.08	7	3,397.87	7	3,634.37	7	3,856.60	7		7		7		7		7	
1/4	2,906.14	1/4	3,155.27	1/4	3,402.93	1/4	3,639.13	1/4	3,860.06	1/4		1/4		1/4		1/4		1/4	
1/2	2,911.33	1/2	3,160.46	1/2	3,407.99	1/2	3,643.89	1/2	3,863.52	1/2		1/2		1/2		1/2		1/2	
3/4	2,916.52	3/4	3,165.65	3/4	3,413.04	3/4	3,648.64	3/4	3,866.97	3/4		3/4		3/4		3/4		3/4	
8	2,921.71	8	3,170.84	8	3,418.10	8	3,653.40	8	3,870.43	8		8		8		8		8	
1/4	2,926.90	1/4	3,176.03	1/4	3,423.14	1/4	3,658.14	1/4	3,873.07	1/4		1/4		1/4		1/4		1/4	
1/2	2,932.09	1/2	3,181.22	1/2	3,428.18	1/2	3,662.88	1/2	3,875.71	1/2		1/2		1/2		1/2		1/2	
3/4	2,937.28	3/4	3,186.41	3/4	3,433.21	3/4	3,667.61	3/4	3,878.34	3/4		3/4		3/4		3/4		3/4	
9	2,942.47	9	3,191.60	9	3,438.25	9	3,672.35	9		9		9		9		9		9	
1/4	2,947.66	1/4	3,196.79	1/4	3,443.26	1/4	3,677.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,952.85	1/2	3,201.98	1/2	3,448.28	1/2	3,681.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,958.04	3/4	3,207.17	3/4	3,453.29	3/4	3,686.50	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,963.23	10	3,212.36	10	3,458.31	10	3,691.21	10		10		10		10		10		10	
1/4	2,968.42	1/4	3,217.55	1/4	3,463.30	1/4	3,695.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,973.61	1/2	3,222.74	1/2	3,468.30	1/2	3,700.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,978.80	3/4	3,227.93	3/4	3,473.29	3/4	3,705.29	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,983.99	11	3,233.12	11	3,478.28	11	3,709.99	11		11		11		11		11		11	
1/4	2,989.18	1/4	3,238.31	1/4	3,483.25	1/4	3,714.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,994.37	1/2	3,243.50	1/2	3,488.22	1/2	3,719.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,999.56	3/4	3,248.69	3/4	3,493.19	3/4	3,724.00	3/4		3/4		3/4		3/4		3/4		3/4	

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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