



BARGE "DBL 316"

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

(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 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 259'-09"

April 8, 2020

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "DBL 316"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	18.12	0	364.36	0	728.50	0	1,090.88	0	1,454.01	0	1,818.17	0	2,182.33	0	2,546.48	0	2,910.64	0	3,274.80
1/4	22.76	1/4	371.95	1/4	736.09	1/4	1,098.40	1/4	1,461.60	1/4	1,825.76	1/4	2,189.91	1/4	2,554.07	1/4	2,918.23	1/4	3,282.38
1/2	27.39	1/2	379.53	1/2	743.68	1/2	1,105.93	1/2	1,469.19	1/2	1,833.34	1/2	2,197.50	1/2	2,561.66	1/2	2,925.81	1/2	3,289.97
3/4	32.03	3/4	387.12	3/4	751.26	3/4	1,113.45	3/4	1,476.77	3/4	1,840.93	3/4	2,205.09	3/4	2,569.24	3/4	2,933.40	3/4	3,297.56
1	36.66	1	394.71	1	758.85	1	1,120.98	1	1,484.36	1	1,848.52	1	2,212.67	1	2,576.83	1	2,940.99	1	3,305.14
1/4	42.93	1/4	402.29	1/4	766.43	1/4	1,128.50	1/4	1,491.95	1/4	1,856.10	1/4	2,220.26	1/4	2,584.42	1/4	2,948.57	1/4	3,312.73
1/2	49.19	1/2	409.88	1/2	774.02	1/2	1,136.03	1/2	1,499.53	1/2	1,863.69	1/2	2,227.85	1/2	2,592.00	1/2	2,956.16	1/2	3,320.32
3/4	55.45	3/4	417.46	3/4	781.61	3/4	1,143.55	3/4	1,507.12	3/4	1,871.28	3/4	2,235.43	3/4	2,599.59	3/4	2,963.75	3/4	3,327.90
2	61.72	2	425.05	2	789.19	2	1,151.08	2	1,514.71	2	1,878.86	2	2,243.02	2	2,607.18	2	2,971.33	2	3,335.49
1/4	69.12	1/4	432.64	1/4	796.78	1/4	1,158.61	1/4	1,522.29	1/4	1,886.45	1/4	2,250.61	1/4	2,614.76	1/4	2,978.92	1/4	3,343.08
1/2	76.52	1/2	440.22	1/2	804.37	1/2	1,166.14	1/2	1,529.88	1/2	1,894.04	1/2	2,258.19	1/2	2,622.35	1/2	2,986.51	1/2	3,350.66
3/4	83.93	3/4	447.81	3/4	811.95	3/4	1,173.67	3/4	1,537.47	3/4	1,901.62	3/4	2,265.78	3/4	2,629.94	3/4	2,994.09	3/4	3,358.25
3	91.33	3	455.40	3	819.54	3	1,181.20	3	1,545.05	3	1,909.21	3	2,273.37	3	2,637.52	3	3,001.68	3	3,365.84
1/4	98.90	1/4	462.98	1/4	827.12	1/4	1,188.74	1/4	1,552.64	1/4	1,916.80	1/4	2,280.95	1/4	2,645.11	1/4	3,009.27	1/4	3,373.42
1/2	106.47	1/2	470.57	1/2	834.71	1/2	1,196.29	1/2	1,560.23	1/2	1,924.38	1/2	2,288.54	1/2	2,652.70	1/2	3,016.85	1/2	3,381.01
3/4	114.04	3/4	478.15	3/4	842.30	3/4	1,203.83	3/4	1,567.81	3/4	1,931.97	3/4	2,296.13	3/4	2,660.28	3/4	3,024.44	3/4	3,388.60
4	121.61	4	485.74	4	849.88	4	1,211.37	4	1,575.40	4	1,939.56	4	2,303.71	4	2,667.87	4	3,032.03	4	3,396.18
1/4	129.20	1/4	493.33	1/4	857.45	1/4	1,218.93	1/4	1,582.99	1/4	1,947.14	1/4	2,311.30	1/4	2,675.46	1/4	3,039.61	1/4	3,403.77
1/2	136.78	1/2	500.91	1/2	865.02	1/2	1,226.48	1/2	1,590.57	1/2	1,954.73	1/2	2,318.89	1/2	2,683.04	1/2	3,047.20	1/2	3,411.36
3/4	144.36	3/4	508.50	3/4	872.59	3/4	1,234.03	3/4	1,598.16	3/4	1,962.32	3/4	2,326.47	3/4	2,690.63	3/4	3,054.79	3/4	3,418.94
5	151.94	5	516.09	5	880.17	5	1,241.59	5	1,605.75	5	1,969.90	5	2,334.06	5	2,698.22	5	3,062.37	5	3,426.53
1/4	159.53	1/4	523.67	1/4	887.69	1/4	1,249.18	1/4	1,613.33	1/4	1,977.49	1/4	2,341.65	1/4	2,705.80	1/4	3,069.96	1/4	3,434.12
1/2	167.12	1/2	531.26	1/2	895.22	1/2	1,256.76	1/2	1,620.92	1/2	1,985.08	1/2	2,349.23	1/2	2,713.39	1/2	3,077.55	1/2	3,441.70
3/4	174.70	3/4	538.85	3/4	902.74	3/4	1,264.35	3/4	1,628.51	3/4	1,992.66	3/4	2,356.82	3/4	2,720.98	3/4	3,085.13	3/4	3,449.29
6	182.29	6	546.43	6	910.27	6	1,271.93	6	1,636.09	6	2,000.25	6	2,364.41	6	2,728.56	6	3,092.72	6	3,456.88
1/4	189.88	1/4	554.02	1/4	917.79	1/4	1,279.52	1/4	1,643.68	1/4	2,007.84	1/4	2,371.99	1/4	2,736.15	1/4	3,100.31	1/4	3,464.46
1/2	197.46	1/2	561.60	1/2	925.32	1/2	1,287.11	1/2	1,651.26	1/2	2,015.42	1/2	2,379.58	1/2	2,743.74	1/2	3,107.89	1/2	3,472.05
3/4	205.05	3/4	569.19	3/4	932.84	3/4	1,294.69	3/4	1,658.85	3/4	2,023.01	3/4	2,387.17	3/4	2,751.32	3/4	3,115.48	3/4	3,479.64
7	212.63	7	576.78	7	940.37	7	1,302.28	7	1,666.44	7	2,030.59	7	2,394.75	7	2,758.91	7	3,123.07	7	3,487.22
1/4	220.22	1/4	584.36	1/4	947.89	1/4	1,309.87	1/4	1,674.02	1/4	2,038.18	1/4	2,402.34	1/4	2,766.50	1/4	3,130.65	1/4	3,494.81
1/2	227.81	1/2	591.95	1/2	955.42	1/2	1,317.45	1/2	1,681.61	1/2	2,045.77	1/2	2,409.92	1/2	2,774.08	1/2	3,138.24	1/2	3,502.40
3/4	235.39	3/4	599.54	3/4	962.94	3/4	1,325.04	3/4	1,689.20	3/4	2,053.35	3/4	2,417.51	3/4	2,781.67	3/4	3,145.83	3/4	3,509.98
8	242.98	8	607.12	8	970.47	8	1,332.63	8	1,696.78	8	2,060.94	8	2,425.10	8	2,789.25	8	3,153.41	8	3,517.57
1/4	250.57	1/4	614.71	1/4	978.00	1/4	1,340.21	1/4	1,704.37	1/4	2,068.53	1/4	2,432.68	1/4	2,796.84	1/4	3,161.00	1/4	3,525.16
1/2	258.15	1/2	622.29	1/2	985.52	1/2	1,347.80	1/2	1,711.96	1/2	2,076.11	1/2	2,440.27	1/2	2,804.43	1/2	3,168.58	1/2	3,532.74
3/4	265.74	3/4	629.88	3/4	993.05	3/4	1,355.39	3/4	1,719.54	3/4	2,083.70	3/4	2,447.86	3/4	2,812.01	3/4	3,176.17	3/4	3,540.33
9	273.32	9	637.47	9	1,000.57	9	1,362.97	9	1,727.13	9	2,091.29	9	2,455.44	9	2,819.60	9	3,183.76	9	3,547.91
1/4	280.91	1/4	645.05	1/4	1,008.10	1/4	1,370.56	1/4	1,734.72	1/4	2,098.87	1/4	2,463.03	1/4	2,827.19	1/4	3,191.34	1/4	3,555.50
1/2	288.50	1/2	652.64	1/2	1,015.62	1/2	1,378.15	1/2	1,742.30	1/2	2,106.46	1/2	2,470.62	1/2	2,834.77	1/2	3,198.93	1/2	3,563.09
3/4	296.08	3/4	660.23	3/4	1,023.15	3/4	1,385.73	3/4	1,749.89	3/4	2,114.05	3/4	2,478.20	3/4	2,842.36	3/4	3,206.52	3/4	3,570.67
10	303.67	10	667.81	10	1,030.67	10	1,393.32	10	1,757.48	10	2,121.63	10	2,485.79	10	2,849.95	10	3,214.10	10	3,578.26
1/4	311.26	1/4	675.40	1/4	1,038.20	1/4	1,400.91	1/4	1,765.06	1/4	2,129.22	1/4	2,493.38	1/4	2,857.53	1/4	3,221.69	1/4	3,585.85
1/2	318.84	1/2	682.98	1/2	1,045.72	1/2	1,408.49	1/2	1,772.65	1/2	2,136.81	1/2	2,500.96	1/2	2,865.12	1/2	3,229.28	1/2	3,593.43
3/4	326.43	3/4	690.57	3/4	1,053.25	3/4	1,416.08	3/4	1,780.24	3/4	2,144.39	3/4	2,508.55	3/4	2,872.71	3/4	3,236.86	3/4	3,601.02
11	334.01	11	698.16	11	1,060.77	11	1,423.67	11	1,787.82	11	2,151.98	11	2,516.14	11	2,880.29	11	3,244.45	11	3,608.61
1/4	341.60	1/4	705.74	1/4	1,068.30	1/4	1,431.25	1/4	1,795.41	1/4	2,159.57	1/4	2,523.72	1/4	2,887.88	1/4	3,252.04	1/4	3,616.19
1/2	349.19	1/2	713.33	1/2	1,075.83	1/2	1,438.84	1/2	1,803.00	1/2	2,167.15	1/2	2,531.31	1/2	2,895.47	1/2	3,259.62	1/2	3,623.78
3/4	356.77	3/4	720.92	3/4	1,083.35	3/4	1,446.43	3/4	1,810.58	3/4	2,174.74	3/4	2,538.90	3/4	2,903.05	3/4	3,267.21	3/4	3,631.37

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'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "DBL 316"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	3,638.95	0	4,003.11	0	4,367.27	0	4,731.42	0	5,091.49	0		0		0		0		0	
1/4	3,646.54	1/4	4,010.70	1/4	4,374.85	1/4	4,739.01	1/4	5,097.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,654.13	1/2	4,018.28	1/2	4,382.44	1/2	4,746.60	1/2	5,102.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,661.71	3/4	4,025.87	3/4	4,390.03	3/4	4,754.18	3/4	5,108.12	3/4		3/4		3/4		3/4		3/4	
1	3,669.30	1	4,033.46	1	4,397.61	1	4,761.77	1	5,113.66	1		1		1		1		1	
1/4	3,676.89	1/4	4,041.04	1/4	4,405.20	1/4	4,769.36	1/4	5,118.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,684.47	1/2	4,048.63	1/2	4,412.79	1/2	4,776.94	1/2	5,122.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,692.06	3/4	4,056.22	3/4	4,420.37	3/4	4,784.53	3/4	5,126.80	3/4		3/4		3/4		3/4		3/4	
2	3,699.65	2	4,063.80	2	4,427.96	2	4,792.12	2	5,131.17	2		2		2		2		2	
1/4	3,707.23	1/4	4,071.39	1/4	4,435.55	1/4	4,799.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,714.82	1/2	4,078.98	1/2	4,443.13	1/2	4,807.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,722.41	3/4	4,086.56	3/4	4,450.72	3/4	4,814.88	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,729.99	3	4,094.15	3	4,458.31	3	4,822.46	3		3		3		3		3		3	
1/4	3,737.58	1/4	4,101.74	1/4	4,465.89	1/4	4,830.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,745.17	1/2	4,109.32	1/2	4,473.48	1/2	4,837.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,752.75	3/4	4,116.91	3/4	4,481.07	3/4	4,845.22	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,760.34	4	4,124.50	4	4,488.65	4	4,852.81	4		4		4		4		4		4	
1/4	3,767.93	1/4	4,132.08	1/4	4,496.24	1/4	4,860.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,775.51	1/2	4,139.67	1/2	4,503.83	1/2	4,867.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,783.10	3/4	4,147.26	3/4	4,511.41	3/4	4,875.57	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,790.69	5	4,154.84	5	4,519.00	5	4,883.16	5		5		5		5		5		5	
1/4	3,798.27	1/4	4,162.43	1/4	4,526.59	1/4	4,890.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,805.86	1/2	4,170.02	1/2	4,534.17	1/2	4,898.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,813.45	3/4	4,177.60	3/4	4,541.76	3/4	4,905.92	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,821.03	6	4,185.19	6	4,549.35	6	4,913.50	6		6		6		6		6		6	
1/4	3,828.62	1/4	4,192.78	1/4	4,556.93	1/4	4,921.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,836.21	1/2	4,200.36	1/2	4,564.52	1/2	4,928.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,843.79	3/4	4,207.95	3/4	4,572.11	3/4	4,936.26	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,851.38	7	4,215.54	7	4,579.69	7	4,943.85	7		7		7		7		7		7	
1/4	3,858.97	1/4	4,223.12	1/4	4,587.28	1/4	4,951.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,866.55	1/2	4,230.71	1/2	4,594.87	1/2	4,959.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,874.14	3/4	4,238.30	3/4	4,602.45	3/4	4,966.61	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,881.73	8	4,245.88	8	4,610.04	8	4,974.20	8		8		8		8		8		8	
1/4	3,889.31	1/4	4,253.47	1/4	4,617.63	1/4	4,981.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,896.90	1/2	4,261.06	1/2	4,625.21	1/2	4,989.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,904.49	3/4	4,268.64	3/4	4,632.80	3/4	4,996.96	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,912.07	9	4,276.23	9	4,640.39	9	5,004.54	9		9		9		9		9		9	
1/4	3,919.66	1/4	4,283.82	1/4	4,647.97	1/4	5,012.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,927.24	1/2	4,291.40	1/2	4,655.56	1/2	5,019.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,934.83	3/4	4,298.99	3/4	4,663.15	3/4	5,027.30	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,942.42	10	4,306.57	10	4,670.73	10	5,034.89	10		10		10		10		10		10	
1/4	3,950.00	1/4	4,314.16	1/4	4,678.32	1/4	5,042.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,957.59	1/2	4,321.75	1/2	4,685.90	1/2	5,049.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,965.18	3/4	4,329.33	3/4	4,693.49	3/4	5,057.20	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,972.76	11	4,336.92	11	4,701.08	11	5,064.64	11		11		11		11		11		11	
1/4	3,980.35	1/4	4,344.51	1/4	4,708.66	1/4	5,071.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,987.94	1/2	4,352.09	1/2	4,716.25	1/2	5,078.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,995.52	3/4	4,359.68	3/4	4,723.84	3/4	5,084.78	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/08/2020 JS
CALCULATED: 04/08/2020 CL
PRINTED: 04/09/2020 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020



BARGE "DBL 316"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

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	18.03	0	362.47	0	724.72	0	1,086.41	0	1,448.46	0	1,810.72	0	2,172.99	0	2,535.25	0	2,897.52	0	3,259.79
1/4	22.64	1/4	370.02	1/4	732.27	1/4	1,093.94	1/4	1,456.01	1/4	1,818.27	1/4	2,180.54	1/4	2,542.80	1/4	2,905.07	1/4	3,267.33
1/2	27.25	1/2	377.56	1/2	739.81	1/2	1,101.46	1/2	1,463.55	1/2	1,825.82	1/2	2,188.08	1/2	2,550.35	1/2	2,912.61	1/2	3,274.88
3/4	31.86	3/4	385.11	3/4	747.36	3/4	1,108.99	3/4	1,471.10	3/4	1,833.37	3/4	2,195.63	3/4	2,557.90	3/4	2,920.16	3/4	3,282.43
1	36.47	1	392.66	1	754.91	1	1,116.52	1	1,478.65	1	1,840.91	1	2,203.18	1	2,565.44	1	2,927.71	1	3,289.97
1/4	42.71	1/4	400.20	1/4	762.45	1/4	1,124.05	1/4	1,486.19	1/4	1,848.46	1/4	2,210.73	1/4	2,572.99	1/4	2,935.26	1/4	3,297.52
1/2	48.94	1/2	407.75	1/2	770.00	1/2	1,131.57	1/2	1,493.74	1/2	1,856.01	1/2	2,218.27	1/2	2,580.54	1/2	2,942.80	1/2	3,305.07
3/4	55.17	3/4	415.30	3/4	777.55	3/4	1,139.10	3/4	1,501.29	3/4	1,863.55	3/4	2,225.82	3/4	2,588.09	3/4	2,950.35	3/4	3,312.62
2	61.40	2	422.84	2	785.10	2	1,146.63	2	1,508.84	2	1,871.10	2	2,233.37	2	2,595.63	2	2,957.90	2	3,320.16
1/4	68.76	1/4	430.39	1/4	792.64	1/4	1,154.16	1/4	1,516.38	1/4	1,878.65	1/4	2,240.91	1/4	2,603.18	1/4	2,965.45	1/4	3,327.71
1/2	76.13	1/2	437.94	1/2	800.19	1/2	1,161.69	1/2	1,523.93	1/2	1,886.20	1/2	2,248.46	1/2	2,610.73	1/2	2,972.99	1/2	3,335.26
3/4	83.49	3/4	445.49	3/4	807.74	3/4	1,169.23	3/4	1,531.48	3/4	1,893.74	3/4	2,256.01	3/4	2,618.27	3/4	2,980.54	3/4	3,342.81
3	90.86	3	453.03	3	815.28	3	1,176.76	3	1,539.02	3	1,901.29	3	2,263.56	3	2,625.82	3	2,988.09	3	3,350.35
1/4	98.39	1/4	460.58	1/4	822.83	1/4	1,184.31	1/4	1,546.57	1/4	1,908.84	1/4	2,271.10	1/4	2,633.37	1/4	2,995.63	1/4	3,357.90
1/2	105.92	1/2	468.13	1/2	830.38	1/2	1,191.85	1/2	1,554.12	1/2	1,916.38	1/2	2,278.65	1/2	2,640.92	1/2	3,003.18	1/2	3,365.45
3/4	113.45	3/4	475.67	3/4	837.92	3/4	1,199.40	3/4	1,561.67	3/4	1,923.93	3/4	2,286.20	3/4	2,648.46	3/4	3,010.73	3/4	3,372.99
4	120.98	4	483.22	4	845.47	4	1,206.95	4	1,569.21	4	1,931.48	4	2,293.74	4	2,656.01	4	3,018.28	4	3,380.54
1/4	128.53	1/4	490.77	1/4	853.01	1/4	1,214.49	1/4	1,576.76	1/4	1,939.03	1/4	2,301.29	1/4	2,663.56	1/4	3,025.82	1/4	3,388.09
1/2	136.07	1/2	498.31	1/2	860.55	1/2	1,222.04	1/2	1,584.31	1/2	1,946.57	1/2	2,308.84	1/2	2,671.10	1/2	3,033.37	1/2	3,395.64
3/4	143.61	3/4	505.86	3/4	868.09	3/4	1,229.59	3/4	1,591.85	3/4	1,954.12	3/4	2,316.39	3/4	2,678.65	3/4	3,040.92	3/4	3,403.18
5	151.16	5	513.41	5	875.64	5	1,237.14	5	1,599.40	5	1,961.67	5	2,323.93	5	2,686.20	5	3,048.46	5	3,410.73
1/4	158.70	1/4	520.95	1/4	883.16	1/4	1,244.68	1/4	1,606.95	1/4	1,969.21	1/4	2,331.48	1/4	2,693.75	1/4	3,056.01	1/4	3,418.28
1/2	166.25	1/2	528.50	1/2	890.69	1/2	1,252.23	1/2	1,614.50	1/2	1,976.76	1/2	2,339.03	1/2	2,701.29	1/2	3,063.56	1/2	3,425.82
3/4	173.80	3/4	536.05	3/4	898.22	3/4	1,259.78	3/4	1,622.04	3/4	1,984.31	3/4	2,346.57	3/4	2,708.84	3/4	3,071.11	3/4	3,433.37
6	181.34	6	543.59	6	905.75	6	1,267.33	6	1,629.59	6	1,991.86	6	2,354.12	6	2,716.39	6	3,078.65	6	3,440.92
1/4	188.89	1/4	551.14	1/4	913.27	1/4	1,274.87	1/4	1,637.14	1/4	1,999.40	1/4	2,361.67	1/4	2,723.93	1/4	3,086.20	1/4	3,448.47
1/2	196.44	1/2	558.69	1/2	920.80	1/2	1,282.42	1/2	1,644.69	1/2	2,006.95	1/2	2,369.22	1/2	2,731.48	1/2	3,093.75	1/2	3,456.01
3/4	203.98	3/4	566.24	3/4	928.33	3/4	1,289.97	3/4	1,652.23	3/4	2,014.50	3/4	2,376.76	3/4	2,739.03	3/4	3,101.29	3/4	3,463.56
7	211.53	7	573.78	7	935.86	7	1,297.51	7	1,659.78	7	2,022.05	7	2,384.31	7	2,746.58	7	3,108.84	7	3,471.11
1/4	219.08	1/4	581.33	1/4	943.38	1/4	1,305.06	1/4	1,667.33	1/4	2,029.59	1/4	2,391.86	1/4	2,754.12	1/4	3,116.39	1/4	3,478.65
1/2	226.62	1/2	588.88	1/2	950.91	1/2	1,312.61	1/2	1,674.87	1/2	2,037.14	1/2	2,399.41	1/2	2,761.67	1/2	3,123.94	1/2	3,486.20
3/4	234.17	3/4	596.42	3/4	958.44	3/4	1,320.16	3/4	1,682.42	3/4	2,044.69	3/4	2,406.95	3/4	2,769.22	3/4	3,131.48	3/4	3,493.75
8	241.72	8	603.97	8	965.97	8	1,327.70	8	1,689.97	8	2,052.23	8	2,414.50	8	2,776.77	8	3,139.03	8	3,501.30
1/4	249.27	1/4	611.52	1/4	973.50	1/4	1,335.25	1/4	1,697.52	1/4	2,059.78	1/4	2,422.05	1/4	2,784.31	1/4	3,146.58	1/4	3,508.84
1/2	256.81	1/2	619.06	1/2	981.02	1/2	1,342.80	1/2	1,705.06	1/2	2,067.33	1/2	2,429.59	1/2	2,791.86	1/2	3,154.13	1/2	3,516.39
3/4	264.36	3/4	626.61	3/4	988.55	3/4	1,350.34	3/4	1,712.61	3/4	2,074.88	3/4	2,437.14	3/4	2,799.41	3/4	3,161.67	3/4	3,523.94
9	271.91	9	634.16	9	996.08	9	1,357.89	9	1,720.16	9	2,082.42	9	2,444.69	9	2,806.95	9	3,169.22	9	3,531.49
1/4	279.45	1/4	641.70	1/4	1,003.61	1/4	1,365.44	1/4	1,727.70	1/4	2,089.97	1/4	2,452.24	1/4	2,814.50	1/4	3,176.77	1/4	3,539.03
1/2	287.00	1/2	649.25	1/2	1,011.13	1/2	1,372.99	1/2	1,735.25	1/2	2,097.52	1/2	2,459.78	1/2	2,822.05	1/2	3,184.31	1/2	3,546.58
3/4	294.55	3/4	656.80	3/4	1,018.66	3/4	1,380.53	3/4	1,742.80	3/4	2,105.06	3/4	2,467.33	3/4	2,829.60	3/4	3,191.86	3/4	3,554.13
10	302.09	10	664.35	10	1,026.19	10	1,388.08	10	1,750.35	10	2,112.61	10	2,474.88	10	2,837.14	10	3,199.41	10	3,561.67
1/4	309.64	1/4	671.89	1/4	1,033.72	1/4	1,395.63	1/4	1,757.89	1/4	2,120.16	1/4	2,482.42	1/4	2,844.69	1/4	3,206.96	1/4	3,569.22
1/2	317.19	1/2	679.44	1/2	1,041.24	1/2	1,403.17	1/2	1,765.44	1/2	2,127.71	1/2	2,489.97	1/2	2,852.24	1/2	3,214.50	1/2	3,576.77
3/4	324.73	3/4	686.99	3/4	1,048.77	3/4	1,410.72	3/4	1,772.99	3/4	2,135.25	3/4	2,497.52	3/4	2,859.78	3/4	3,222.05	3/4	3,584.32
11	332.28	11	694.53	11	1,056.30	11	1,418.27	11	1,780.53	11	2,142.80	11	2,505.07	11	2,867.33	11	3,229.60	11	3,591.86
1/4	339.83	1/4	702.08	1/4	1,063.83	1/4	1,425.82	1/4	1,788.08	1/4	2,150.35	1/4	2,512.61	1/4	2,874.88	1/4	3,237.14	1/4	3,599.41
1/2	347.38	1/2	709.63	1/2	1,071.35	1/2	1,433.36	1/2	1,795.63	1/2	2,157.89	1/2	2,520.16	1/2	2,882.43	1/2	3,244.69	1/2	3,606.96
3/4	354.92	3/4	717.17	3/4	1,078.88	3/4	1,440.91	3/4	1,803.18	3/4	2,165.44	3/4	2,527.71	3/4	2,889.97	3/4	3,252.24	3/4	3,614.50

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'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "DBL 316"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

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	3,622.05	0	3,984.32	0	4,346.58	0	4,708.85	0	5,067.04	0		0		0		0		0	
1/4	3,629.60	1/4	3,991.86	1/4	4,354.13	1/4	4,716.40	1/4	5,072.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,637.15	1/2	3,999.41	1/2	4,361.68	1/2	4,723.94	1/2	5,078.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,644.69	3/4	4,006.96	3/4	4,369.22	3/4	4,731.49	3/4	5,083.59	3/4		3/4		3/4		3/4		3/4	
1	3,652.24	1	4,014.51	1	4,376.77	1	4,739.04	1	5,089.10	1		1		1		1		1	
1/4	3,659.79	1/4	4,022.05	1/4	4,384.32	1/4	4,746.58	1/4	5,093.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,667.33	1/2	4,029.60	1/2	4,391.87	1/2	4,754.13	1/2	5,097.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,674.88	3/4	4,037.15	3/4	4,399.41	3/4	4,761.68	3/4	5,102.17	3/4		3/4		3/4		3/4		3/4	
2	3,682.43	2	4,044.69	2	4,406.96	2	4,769.23	2	5,106.52	2		2		2		2		2	
1/4	3,689.98	1/4	4,052.24	1/4	4,414.51	1/4	4,776.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,697.52	1/2	4,059.79	1/2	4,422.05	1/2	4,784.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,705.07	3/4	4,067.34	3/4	4,429.60	3/4	4,791.87	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,712.62	3	4,074.88	3	4,437.15	3	4,799.41	3		3		3		3		3		3	
1/4	3,720.17	1/4	4,082.43	1/4	4,444.70	1/4	4,806.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,727.71	1/2	4,089.98	1/2	4,452.24	1/2	4,814.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,735.26	3/4	4,097.53	3/4	4,459.79	3/4	4,822.06	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,742.81	4	4,105.07	4	4,467.34	4	4,829.60	4		4		4		4		4		4	
1/4	3,750.35	1/4	4,112.62	1/4	4,474.89	1/4	4,837.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,757.90	1/2	4,120.17	1/2	4,482.43	1/2	4,844.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,765.45	3/4	4,127.71	3/4	4,489.98	3/4	4,852.25	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,773.00	5	4,135.26	5	4,497.53	5	4,859.79	5		5		5		5		5		5	
1/4	3,780.54	1/4	4,142.81	1/4	4,505.07	1/4	4,867.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,788.09	1/2	4,150.36	1/2	4,512.62	1/2	4,874.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,795.64	3/4	4,157.90	3/4	4,520.17	3/4	4,882.43	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,803.18	6	4,165.45	6	4,527.72	6	4,889.98	6		6		6		6		6		6	
1/4	3,810.73	1/4	4,173.00	1/4	4,535.26	1/4	4,897.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,818.28	1/2	4,180.54	1/2	4,542.81	1/2	4,905.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,825.83	3/4	4,188.09	3/4	4,550.36	3/4	4,912.62	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,833.37	7	4,195.64	7	4,557.90	7	4,920.17	7		7		7		7		7		7	
1/4	3,840.92	1/4	4,203.19	1/4	4,565.45	1/4	4,927.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,848.47	1/2	4,210.73	1/2	4,573.00	1/2	4,935.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,856.01	3/4	4,218.28	3/4	4,580.55	3/4	4,942.81	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,863.56	8	4,225.83	8	4,588.09	8	4,950.36	8		8		8		8		8		8	
1/4	3,871.11	1/4	4,233.37	1/4	4,595.64	1/4	4,957.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,878.66	1/2	4,240.92	1/2	4,603.19	1/2	4,965.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,886.20	3/4	4,248.47	3/4	4,610.73	3/4	4,973.00	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,893.75	9	4,256.02	9	4,618.28	9	4,980.55	9		9		9		9		9		9	
1/4	3,901.30	1/4	4,263.56	1/4	4,625.83	1/4	4,988.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,908.85	1/2	4,271.11	1/2	4,633.38	1/2	4,995.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,916.39	3/4	4,278.66	3/4	4,640.92	3/4	5,003.19	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,923.94	10	4,286.21	10	4,648.47	10	5,010.74	10		10		10		10		10		10	
1/4	3,931.49	1/4	4,293.75	1/4	4,656.02	1/4	5,018.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,939.03	1/2	4,301.30	1/2	4,663.57	1/2	5,025.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,946.58	3/4	4,308.85	3/4	4,671.11	3/4	5,032.93	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,954.13	11	4,316.39	11	4,678.66	11	5,040.33	11		11		11		11		11		11	
1/4	3,961.68	1/4	4,323.94	1/4	4,686.21	1/4	5,047.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,969.22	1/2	4,331.49	1/2	4,693.75	1/2	5,053.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,976.77	3/4	4,339.04	3/4	4,701.30	3/4	5,060.36	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/08/2020 JS
CALCULATED: 04/08/2020 CL
PRINTED: 04/09/2020 SW

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020



BARGE "DBL 316"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	18.04	0	362.76	0	725.30	0	1,076.90	0	1,434.72	0	1,797.28	0	2,159.84	0	2,522.40	0	2,884.96	0	3,247.52
1/4	22.65	1/4	370.31	1/4	732.85	1/4	1,084.12	1/4	1,442.28	1/4	1,804.84	1/4	2,167.39	1/4	2,529.95	1/4	2,892.51	1/4	3,255.07
1/2	27.27	1/2	377.86	1/2	740.40	1/2	1,091.35	1/2	1,449.83	1/2	1,812.39	1/2	2,174.95	1/2	2,537.51	1/2	2,900.06	1/2	3,262.62
3/4	31.89	3/4	385.41	3/4	747.95	3/4	1,098.57	3/4	1,457.38	3/4	1,819.94	3/4	2,182.50	3/4	2,545.06	3/4	2,907.62	3/4	3,270.18
1	36.50	1	392.97	1	755.51	1	1,105.80	1	1,464.94	1	1,827.50	1	2,190.05	1	2,552.61	1	2,915.17	1	3,277.73
1/4	42.74	1/4	400.52	1/4	763.06	1/4	1,113.03	1/4	1,472.49	1/4	1,835.05	1/4	2,197.61	1/4	2,560.17	1/4	2,922.72	1/4	3,285.28
1/2	48.97	1/2	408.07	1/2	770.60	1/2	1,120.26	1/2	1,480.04	1/2	1,842.60	1/2	2,205.16	1/2	2,567.72	1/2	2,930.28	1/2	3,292.84
3/4	55.21	3/4	415.63	3/4	778.15	3/4	1,127.49	3/4	1,487.60	3/4	1,850.16	3/4	2,212.71	3/4	2,575.27	3/4	2,937.83	3/4	3,300.39
2	61.44	2	423.18	2	785.70	2	1,134.72	2	1,495.15	2	1,857.71	2	2,220.27	2	2,582.83	2	2,945.38	2	3,307.94
1/4	68.81	1/4	430.73	1/4	793.24	1/4	1,141.96	1/4	1,502.70	1/4	1,865.26	1/4	2,227.82	1/4	2,590.38	1/4	2,952.94	1/4	3,315.50
1/2	76.19	1/2	438.28	1/2	800.77	1/2	1,149.21	1/2	1,510.26	1/2	1,872.82	1/2	2,235.37	1/2	2,597.93	1/2	2,960.49	1/2	3,323.05
3/4	83.56	3/4	445.84	3/4	808.30	3/4	1,156.45	3/4	1,517.81	3/4	1,880.37	3/4	2,242.93	3/4	2,605.49	3/4	2,968.04	3/4	3,330.60
3	90.93	3	453.39	3	815.84	3	1,163.70	3	1,525.36	3	1,887.92	3	2,250.48	3	2,613.04	3	2,975.60	3	3,338.16
1/4	98.47	1/4	460.94	1/4	823.30	1/4	1,171.03	1/4	1,532.92	1/4	1,895.48	1/4	2,258.03	1/4	2,620.59	1/4	2,983.15	1/4	3,345.71
1/2	106.00	1/2	468.50	1/2	830.76	1/2	1,178.36	1/2	1,540.47	1/2	1,903.03	1/2	2,265.59	1/2	2,628.15	1/2	2,990.70	1/2	3,353.26
3/4	113.54	3/4	476.05	3/4	838.22	3/4	1,185.69	3/4	1,548.02	3/4	1,910.58	3/4	2,273.14	3/4	2,635.70	3/4	2,998.26	3/4	3,360.82
4	121.08	4	483.60	4	845.68	4	1,193.02	4	1,555.58	4	1,918.14	4	2,280.69	4	2,643.25	4	3,005.81	4	3,368.37
1/4	128.63	1/4	491.16	1/4	852.91	1/4	1,200.57	1/4	1,563.13	1/4	1,925.69	1/4	2,288.25	1/4	2,650.81	1/4	3,013.36	1/4	3,375.92
1/2	136.18	1/2	498.71	1/2	860.14	1/2	1,208.12	1/2	1,570.68	1/2	1,933.24	1/2	2,295.80	1/2	2,658.36	1/2	3,020.92	1/2	3,383.48
3/4	143.73	3/4	506.26	3/4	867.38	3/4	1,215.68	3/4	1,578.24	3/4	1,940.80	3/4	2,303.35	3/4	2,665.91	3/4	3,028.47	3/4	3,391.03
5	151.27	5	513.81	5	874.61	5	1,223.23	5	1,585.79	5	1,948.35	5	2,310.91	5	2,673.47	5	3,036.02	5	3,398.58
1/4	158.83	1/4	521.37	1/4	881.83	1/4	1,230.78	1/4	1,593.34	1/4	1,955.90	1/4	2,318.46	1/4	2,681.02	1/4	3,043.58	1/4	3,406.14
1/2	166.38	1/2	528.92	1/2	889.06	1/2	1,238.34	1/2	1,600.90	1/2	1,963.45	1/2	2,326.01	1/2	2,688.57	1/2	3,051.13	1/2	3,413.69
3/4	173.93	3/4	536.47	3/4	896.28	3/4	1,245.89	3/4	1,608.45	3/4	1,971.01	3/4	2,333.57	3/4	2,696.13	3/4	3,058.68	3/4	3,421.24
6	181.49	6	544.03	6	903.51	6	1,253.44	6	1,616.00	6	1,978.56	6	2,341.12	6	2,703.68	6	3,066.24	6	3,428.80
1/4	189.04	1/4	551.58	1/4	910.73	1/4	1,261.00	1/4	1,623.56	1/4	1,986.11	1/4	2,348.67	1/4	2,711.23	1/4	3,073.79	1/4	3,436.35
1/2	196.59	1/2	559.13	1/2	917.96	1/2	1,268.55	1/2	1,631.11	1/2	1,993.67	1/2	2,356.23	1/2	2,718.78	1/2	3,081.34	1/2	3,443.90
3/4	204.15	3/4	566.68	3/4	925.18	3/4	1,276.10	3/4	1,638.66	3/4	2,001.22	3/4	2,363.78	3/4	2,726.34	3/4	3,088.90	3/4	3,451.46
7	211.70	7	574.24	7	932.41	7	1,283.66	7	1,646.22	7	2,008.77	7	2,371.33	7	2,733.89	7	3,096.45	7	3,459.01
1/4	219.25	1/4	581.79	1/4	939.63	1/4	1,291.21	1/4	1,653.77	1/4	2,016.33	1/4	2,378.89	1/4	2,741.44	1/4	3,104.00	1/4	3,466.56
1/2	226.80	1/2	589.34	1/2	946.85	1/2	1,298.76	1/2	1,661.32	1/2	2,023.88	1/2	2,386.44	1/2	2,749.00	1/2	3,111.56	1/2	3,474.11
3/4	234.36	3/4	596.90	3/4	954.08	3/4	1,306.32	3/4	1,668.88	3/4	2,031.43	3/4	2,393.99	3/4	2,756.55	3/4	3,119.11	3/4	3,481.67
8	241.91	8	604.45	8	961.30	8	1,313.87	8	1,676.43	8	2,038.99	8	2,401.55	8	2,764.10	8	3,126.66	8	3,489.22
1/4	249.46	1/4	612.00	1/4	968.53	1/4	1,321.42	1/4	1,683.98	1/4	2,046.54	1/4	2,409.10	1/4	2,771.66	1/4	3,134.22	1/4	3,496.77
1/2	257.02	1/2	619.55	1/2	975.75	1/2	1,328.98	1/2	1,691.54	1/2	2,054.09	1/2	2,416.65	1/2	2,779.21	1/2	3,141.77	1/2	3,504.33
3/4	264.57	3/4	627.11	3/4	982.98	3/4	1,336.53	3/4	1,699.09	3/4	2,061.65	3/4	2,424.21	3/4	2,786.76	3/4	3,149.32	3/4	3,511.88
9	272.12	9	634.66	9	990.20	9	1,344.08	9	1,706.64	9	2,069.20	9	2,431.76	9	2,794.32	9	3,156.88	9	3,519.43
1/4	279.67	1/4	642.21	1/4	997.43	1/4	1,351.64	1/4	1,714.20	1/4	2,076.75	1/4	2,439.31	1/4	2,801.87	1/4	3,164.43	1/4	3,526.99
1/2	287.23	1/2	649.77	1/2	1,004.65	1/2	1,359.19	1/2	1,721.75	1/2	2,084.31	1/2	2,446.87	1/2	2,809.42	1/2	3,171.98	1/2	3,534.54
3/4	294.78	3/4	657.32	3/4	1,011.88	3/4	1,366.74	3/4	1,729.30	3/4	2,091.86	3/4	2,454.42	3/4	2,816.98	3/4	3,179.54	3/4	3,542.09
10	302.33	10	664.87	10	1,019.10	10	1,374.30	10	1,736.86	10	2,099.41	10	2,461.97	10	2,824.53	10	3,187.09	10	3,549.65
1/4	309.89	1/4	672.42	1/4	1,026.33	1/4	1,381.85	1/4	1,744.41	1/4	2,106.97	1/4	2,469.53	1/4	2,832.08	1/4	3,194.64	1/4	3,557.20
1/2	317.44	1/2	679.98	1/2	1,033.55	1/2	1,389.40	1/2	1,751.96	1/2	2,114.52	1/2	2,477.08	1/2	2,839.64	1/2	3,202.20	1/2	3,564.75
3/4	324.99	3/4	687.53	3/4	1,040.77	3/4	1,396.96	3/4	1,759.52	3/4	2,122.07	3/4	2,484.63	3/4	2,847.19	3/4	3,209.75	3/4	3,572.31
11	332.54	11	695.08	11	1,048.00	11	1,404.51	11	1,767.07	11	2,129.63	11	2,492.19	11	2,854.74	11	3,217.30	11	3,579.86
1/4	340.10	1/4	702.64	1/4	1,055.22	1/4	1,412.06	1/4	1,774.62	1/4	2,137.18	1/4	2,499.74	1/4	2,862.30	1/4	3,224.86	1/4	3,587.41
1/2	347.65	1/2	710.19	1/2	1,062.45	1/2	1,419.62	1/2	1,782.18	1/2	2,144.73	1/2	2,507.29	1/2	2,869.85	1/2	3,232.41	1/2	3,594.97
3/4	355.20	3/4	717.74	3/4	1,069.67	3/4	1,427.17	3/4	1,789.73	3/4	2,152.29	3/4	2,514.85	3/4	2,877.40	3/4	3,239.96	3/4	3,602.52

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'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "DBL 316"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 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	3,610.07	0	3,972.63	0	4,335.19	0	4,697.75	0	5,056.20	0		0		0		0		0	
1/4	3,617.63	1/4	3,980.19	1/4	4,342.74	1/4	4,705.30	1/4	5,061.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,625.18	1/2	3,987.74	1/2	4,350.30	1/2	4,712.86	1/2	5,067.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,632.73	3/4	3,995.29	3/4	4,357.85	3/4	4,720.41	3/4	5,072.75	3/4		3/4		3/4		3/4		3/4	
1	3,640.29	1	4,002.85	1	4,365.40	1	4,727.96	1	5,078.27	1		1		1		1		1	
1/4	3,647.84	1/4	4,010.40	1/4	4,372.96	1/4	4,735.52	1/4	5,082.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,655.39	1/2	4,017.95	1/2	4,380.51	1/2	4,743.07	1/2	5,086.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,662.95	3/4	4,025.51	3/4	4,388.06	3/4	4,750.62	3/4	5,091.35	3/4		3/4		3/4		3/4		3/4	
2	3,670.50	2	4,033.06	2	4,395.62	2	4,758.18	2	5,095.70	2		2		2		2		2	
1/4	3,678.05	1/4	4,040.61	1/4	4,403.17	1/4	4,765.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,685.61	1/2	4,048.17	1/2	4,410.72	1/2	4,773.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,693.16	3/4	4,055.72	3/4	4,418.28	3/4	4,780.84	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,700.71	3	4,063.27	3	4,425.83	3	4,788.39	3		3		3		3		3		3	
1/4	3,708.27	1/4	4,070.83	1/4	4,433.38	1/4	4,795.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,715.82	1/2	4,078.38	1/2	4,440.94	1/2	4,803.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,723.37	3/4	4,085.93	3/4	4,448.49	3/4	4,811.05	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,730.93	4	4,093.49	4	4,456.04	4	4,818.60	4		4		4		4		4		4	
1/4	3,738.48	1/4	4,101.04	1/4	4,463.60	1/4	4,826.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,746.03	1/2	4,108.59	1/2	4,471.15	1/2	4,833.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,753.59	3/4	4,116.15	3/4	4,478.70	3/4	4,841.26	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,761.14	5	4,123.70	5	4,486.26	5	4,848.82	5		5		5		5		5		5	
1/4	3,768.69	1/4	4,131.25	1/4	4,493.81	1/4	4,856.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,776.25	1/2	4,138.81	1/2	4,501.36	1/2	4,863.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,783.80	3/4	4,146.36	3/4	4,508.92	3/4	4,871.48	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,791.35	6	4,153.91	6	4,516.47	6	4,879.03	6		6		6		6		6		6	
1/4	3,798.91	1/4	4,161.47	1/4	4,524.02	1/4	4,886.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,806.46	1/2	4,169.02	1/2	4,531.58	1/2	4,894.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,814.01	3/4	4,176.57	3/4	4,539.13	3/4	4,901.69	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,821.57	7	4,184.13	7	4,546.68	7	4,909.24	7		7		7		7		7		7	
1/4	3,829.12	1/4	4,191.68	1/4	4,554.24	1/4	4,916.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,836.67	1/2	4,199.23	1/2	4,561.79	1/2	4,924.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,844.23	3/4	4,206.79	3/4	4,569.34	3/4	4,931.90	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,851.78	8	4,214.34	8	4,576.90	8	4,939.46	8		8		8		8		8		8	
1/4	3,859.33	1/4	4,221.89	1/4	4,584.45	1/4	4,947.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,866.89	1/2	4,229.44	1/2	4,592.00	1/2	4,954.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,874.44	3/4	4,237.00	3/4	4,599.56	3/4	4,962.11	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,881.99	9	4,244.55	9	4,607.11	9	4,969.67	9		9		9		9		9		9	
1/4	3,889.55	1/4	4,252.10	1/4	4,614.66	1/4	4,977.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,897.10	1/2	4,259.66	1/2	4,622.22	1/2	4,984.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,904.65	3/4	4,267.21	3/4	4,629.77	3/4	4,992.33	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,912.21	10	4,274.76	10	4,637.32	10	4,999.88	10		10		10		10		10		10	
1/4	3,919.76	1/4	4,282.32	1/4	4,644.88	1/4	5,007.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,927.31	1/2	4,289.87	1/2	4,652.43	1/2	5,014.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,934.87	3/4	4,297.42	3/4	4,659.98	3/4	5,022.08	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,942.42	11	4,304.98	11	4,667.54	11	5,029.47	11		11		11		11		11		11	
1/4	3,949.97	1/4	4,312.53	1/4	4,675.09	1/4	5,036.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,957.53	1/2	4,320.08	1/2	4,682.64	1/2	5,042.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,965.08	3/4	4,327.64	3/4	4,690.20	3/4	5,049.52	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/08/2020 JS
CALCULATED: 04/08/2020 CL
PRINTED: 04/09/2020 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020



BARGE "DBL 316"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 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	17.99	0	361.76	0	723.31	0	1,084.30	0	1,445.65	0	1,807.21	0	2,168.78	0	2,530.34	0	2,891.91	0	3,253.47
1/4	22.59	1/4	369.29	1/4	730.84	1/4	1,091.81	1/4	1,453.18	1/4	1,814.75	1/4	2,176.31	1/4	2,537.88	1/4	2,899.44	1/4	3,261.01
1/2	27.20	1/2	376.83	1/2	738.37	1/2	1,099.33	1/2	1,460.71	1/2	1,822.28	1/2	2,183.84	1/2	2,545.41	1/2	2,906.97	1/2	3,268.54
3/4	31.80	3/4	384.36	3/4	745.90	3/4	1,106.84	3/4	1,468.25	3/4	1,829.81	3/4	2,191.38	3/4	2,552.94	3/4	2,914.51	3/4	3,276.07
1	36.40	1	391.89	1	753.44	1	1,114.35	1	1,475.78	1	1,837.34	1	2,198.91	1	2,560.47	1	2,922.04	1	3,283.60
1/4	42.62	1/4	399.42	1/4	760.97	1/4	1,121.87	1/4	1,483.31	1/4	1,844.88	1/4	2,206.44	1/4	2,568.01	1/4	2,929.57	1/4	3,291.14
1/2	48.84	1/2	406.96	1/2	768.50	1/2	1,129.38	1/2	1,490.85	1/2	1,852.41	1/2	2,213.97	1/2	2,575.54	1/2	2,937.10	1/2	3,298.67
3/4	55.06	3/4	414.49	3/4	776.03	3/4	1,136.89	3/4	1,498.38	3/4	1,859.94	3/4	2,221.51	3/4	2,583.07	3/4	2,944.64	3/4	3,306.20
2	61.28	2	422.02	2	783.57	2	1,144.40	2	1,505.91	2	1,867.48	2	2,229.04	2	2,590.60	2	2,952.17	2	3,313.73
1/4	68.63	1/4	429.55	1/4	791.10	1/4	1,151.92	1/4	1,513.44	1/4	1,875.01	1/4	2,236.57	1/4	2,598.14	1/4	2,959.70	1/4	3,321.27
1/2	75.98	1/2	437.08	1/2	798.63	1/2	1,159.44	1/2	1,520.98	1/2	1,882.54	1/2	2,244.11	1/2	2,605.67	1/2	2,967.23	1/2	3,328.80
3/4	83.33	3/4	444.62	3/4	806.16	3/4	1,166.96	3/4	1,528.51	3/4	1,890.07	3/4	2,251.64	3/4	2,613.20	3/4	2,974.77	3/4	3,336.33
3	90.68	3	452.15	3	813.69	3	1,174.48	3	1,536.04	3	1,897.61	3	2,259.17	3	2,620.74	3	2,982.30	3	3,343.86
1/4	98.20	1/4	459.68	1/4	821.23	1/4	1,182.01	1/4	1,543.57	1/4	1,905.14	1/4	2,266.70	1/4	2,628.27	1/4	2,989.83	1/4	3,351.40
1/2	105.71	1/2	467.21	1/2	828.76	1/2	1,189.54	1/2	1,551.11	1/2	1,912.67	1/2	2,274.24	1/2	2,635.80	1/2	2,997.37	1/2	3,358.93
3/4	113.23	3/4	474.75	3/4	836.29	3/4	1,197.07	3/4	1,558.64	3/4	1,920.20	3/4	2,281.77	3/4	2,643.33	3/4	3,004.90	3/4	3,366.46
4	120.75	4	482.28	4	843.82	4	1,204.61	4	1,566.17	4	1,927.74	4	2,289.30	4	2,650.87	4	3,012.43	4	3,374.00
1/4	128.27	1/4	489.81	1/4	851.35	1/4	1,212.14	1/4	1,573.70	1/4	1,935.27	1/4	2,296.83	1/4	2,658.40	1/4	3,019.96	1/4	3,381.53
1/2	135.80	1/2	497.34	1/2	858.88	1/2	1,219.67	1/2	1,581.24	1/2	1,942.80	1/2	2,304.37	1/2	2,665.93	1/2	3,027.50	1/2	3,389.06
3/4	143.33	3/4	504.87	3/4	866.41	3/4	1,227.20	3/4	1,588.77	3/4	1,950.33	3/4	2,311.90	3/4	2,673.46	3/4	3,035.03	3/4	3,396.59
5	150.86	5	512.41	5	873.93	5	1,234.74	5	1,596.30	5	1,957.87	5	2,319.43	5	2,681.00	5	3,042.56	5	3,404.13
1/4	158.39	1/4	519.94	1/4	881.45	1/4	1,242.27	1/4	1,603.83	1/4	1,965.40	1/4	2,326.96	1/4	2,688.53	1/4	3,050.09	1/4	3,411.66
1/2	165.93	1/2	527.47	1/2	888.96	1/2	1,249.80	1/2	1,611.37	1/2	1,972.93	1/2	2,334.50	1/2	2,696.06	1/2	3,057.63	1/2	3,419.19
3/4	173.46	3/4	535.00	3/4	896.47	3/4	1,257.33	3/4	1,618.90	3/4	1,980.46	3/4	2,342.03	3/4	2,703.59	3/4	3,065.16	3/4	3,426.72
6	180.99	6	542.53	6	903.99	6	1,264.87	6	1,626.43	6	1,988.00	6	2,349.56	6	2,711.13	6	3,072.69	6	3,434.26
1/4	188.52	1/4	550.07	1/4	911.50	1/4	1,272.40	1/4	1,633.96	1/4	1,995.53	1/4	2,357.09	1/4	2,718.66	1/4	3,080.22	1/4	3,441.79
1/2	196.05	1/2	557.60	1/2	919.01	1/2	1,279.93	1/2	1,641.50	1/2	2,003.06	1/2	2,364.63	1/2	2,726.19	1/2	3,087.76	1/2	3,449.32
3/4	203.59	3/4	565.13	3/4	926.53	3/4	1,287.46	3/4	1,649.03	3/4	2,010.59	3/4	2,372.16	3/4	2,733.72	3/4	3,095.29	3/4	3,456.85
7	211.12	7	572.66	7	934.04	7	1,295.00	7	1,656.56	7	2,018.13	7	2,379.69	7	2,741.26	7	3,102.82	7	3,464.39
1/4	218.65	1/4	580.20	1/4	941.55	1/4	1,302.53	1/4	1,664.09	1/4	2,025.66	1/4	2,387.22	1/4	2,748.79	1/4	3,110.35	1/4	3,471.92
1/2	226.18	1/2	587.73	1/2	949.07	1/2	1,310.06	1/2	1,671.63	1/2	2,033.19	1/2	2,394.76	1/2	2,756.32	1/2	3,117.89	1/2	3,479.45
3/4	233.71	3/4	595.26	3/4	956.58	3/4	1,317.60	3/4	1,679.16	3/4	2,040.72	3/4	2,402.29	3/4	2,763.85	3/4	3,125.42	3/4	3,486.98
8	241.25	8	602.79	8	964.09	8	1,325.13	8	1,686.69	8	2,048.26	8	2,409.82	8	2,771.39	8	3,132.95	8	3,494.52
1/4	248.78	1/4	610.32	1/4	971.60	1/4	1,332.66	1/4	1,694.23	1/4	2,055.79	1/4	2,417.35	1/4	2,778.92	1/4	3,140.48	1/4	3,502.05
1/2	256.31	1/2	617.86	1/2	979.12	1/2	1,340.19	1/2	1,701.76	1/2	2,063.32	1/2	2,424.89	1/2	2,786.45	1/2	3,148.02	1/2	3,509.58
3/4	263.84	3/4	625.39	3/4	986.63	3/4	1,347.73	3/4	1,709.29	3/4	2,070.86	3/4	2,432.42	3/4	2,793.98	3/4	3,155.55	3/4	3,517.11
9	271.38	9	632.92	9	994.14	9	1,355.26	9	1,716.82	9	2,078.39	9	2,439.95	9	2,801.52	9	3,163.08	9	3,524.65
1/4	278.91	1/4	640.45	1/4	1,001.66	1/4	1,362.79	1/4	1,724.36	1/4	2,085.92	1/4	2,447.49	1/4	2,809.05	1/4	3,170.61	1/4	3,532.18
1/2	286.44	1/2	647.99	1/2	1,009.17	1/2	1,370.32	1/2	1,731.89	1/2	2,093.45	1/2	2,455.02	1/2	2,816.58	1/2	3,178.15	1/2	3,539.71
3/4	293.97	3/4	655.52	3/4	1,016.68	3/4	1,377.86	3/4	1,739.42	3/4	2,100.99	3/4	2,462.55	3/4	2,824.12	3/4	3,185.68	3/4	3,547.24
10	301.50	10	663.05	10	1,024.20	10	1,385.39	10	1,746.95	10	2,108.52	10	2,470.08	10	2,831.65	10	3,193.21	10	3,554.78
1/4	309.04	1/4	670.58	1/4	1,031.71	1/4	1,392.92	1/4	1,754.49	1/4	2,116.05	1/4	2,477.62	1/4	2,839.18	1/4	3,200.75	1/4	3,562.31
1/2	316.57	1/2	678.11	1/2	1,039.22	1/2	1,400.45	1/2	1,762.02	1/2	2,123.58	1/2	2,485.15	1/2	2,846.71	1/2	3,208.28	1/2	3,569.84
3/4	324.10	3/4	685.65	3/4	1,046.74	3/4	1,407.99	3/4	1,769.55	3/4	2,131.12	3/4	2,492.68	3/4	2,854.25	3/4	3,215.81	3/4	3,577.38
11	331.63	11	693.18	11	1,054.25	11	1,415.52	11	1,777.08	11	2,138.65	11	2,500.21	11	2,861.78	11	3,223.34	11	3,584.91
1/4	339.17	1/4	700.71	1/4	1,061.76	1/4	1,423.05	1/4	1,784.62	1/4	2,146.18	1/4	2,507.75	1/4	2,869.31	1/4	3,230.88	1/4	3,592.44
1/2	346.70	1/2	708.24	1/2	1,069.28	1/2	1,430.58	1/2	1,792.15	1/2	2,153.71	1/2	2,515.28	1/2	2,876.84	1/2	3,238.41	1/2	3,599.97
3/4	354.23	3/4	715.78	3/4	1,076.79	3/4	1,438.12	3/4	1,799.68	3/4	2,161.25	3/4	2,522.81	3/4	2,884.38	3/4	3,245.94	3/4	3,607.51

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'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "DBL 316"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 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	3,615.04	0	3,976.60	0	4,338.17	0	4,699.73	0	5,057.20	0		0		0		0		0	
1/4	3,622.57	1/4	3,984.14	1/4	4,345.70	1/4	4,707.27	1/4	5,062.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,630.10	1/2	3,991.67	1/2	4,353.23	1/2	4,714.80	1/2	5,068.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,637.64	3/4	3,999.20	3/4	4,360.77	3/4	4,722.33	3/4	5,073.72	3/4		3/4		3/4		3/4		3/4	
1	3,645.17	1	4,006.73	1	4,368.30	1	4,729.86	1	5,079.22	1		1		1		1		1	
1/4	3,652.70	1/4	4,014.27	1/4	4,375.83	1/4	4,737.40	1/4	5,083.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,660.23	1/2	4,021.80	1/2	4,383.36	1/2	4,744.93	1/2	5,087.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,667.77	3/4	4,029.33	3/4	4,390.90	3/4	4,752.46	3/4	5,092.26	3/4		3/4		3/4		3/4		3/4	
2	3,675.30	2	4,036.86	2	4,398.43	2	4,759.99	2	5,096.60	2		2		2		2		2	
1/4	3,682.83	1/4	4,044.40	1/4	4,405.96	1/4	4,767.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,690.36	1/2	4,051.93	1/2	4,413.49	1/2	4,775.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,697.90	3/4	4,059.46	3/4	4,421.03	3/4	4,782.59	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,705.43	3	4,066.99	3	4,428.56	3	4,790.12	3		3		3		3		3		3	
1/4	3,712.96	1/4	4,074.53	1/4	4,436.09	1/4	4,797.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,720.49	1/2	4,082.06	1/2	4,443.62	1/2	4,805.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,728.03	3/4	4,089.59	3/4	4,451.16	3/4	4,812.72	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,735.56	4	4,097.12	4	4,458.69	4	4,820.25	4		4		4		4		4		4	
1/4	3,743.09	1/4	4,104.66	1/4	4,466.22	1/4	4,827.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,750.63	1/2	4,112.19	1/2	4,473.75	1/2	4,835.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,758.16	3/4	4,119.72	3/4	4,481.29	3/4	4,842.85	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,765.69	5	4,127.26	5	4,488.82	5	4,850.38	5		5		5		5		5		5	
1/4	3,773.22	1/4	4,134.79	1/4	4,496.35	1/4	4,857.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,780.76	1/2	4,142.32	1/2	4,503.88	1/2	4,865.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,788.29	3/4	4,149.85	3/4	4,511.42	3/4	4,872.98	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,795.82	6	4,157.39	6	4,518.95	6	4,880.51	6		6		6		6		6		6	
1/4	3,803.35	1/4	4,164.92	1/4	4,526.48	1/4	4,888.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,810.89	1/2	4,172.45	1/2	4,534.02	1/2	4,895.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,818.42	3/4	4,179.98	3/4	4,541.55	3/4	4,903.11	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,825.95	7	4,187.52	7	4,549.08	7	4,910.65	7		7		7		7		7		7	
1/4	3,833.48	1/4	4,195.05	1/4	4,556.61	1/4	4,918.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,841.02	1/2	4,202.58	1/2	4,564.15	1/2	4,925.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,848.55	3/4	4,210.11	3/4	4,571.68	3/4	4,933.24	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,856.08	8	4,217.65	8	4,579.21	8	4,940.78	8		8		8		8		8		8	
1/4	3,863.61	1/4	4,225.18	1/4	4,586.74	1/4	4,948.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,871.15	1/2	4,232.71	1/2	4,594.28	1/2	4,955.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,878.68	3/4	4,240.24	3/4	4,601.81	3/4	4,963.37	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,886.21	9	4,247.78	9	4,609.34	9	4,970.91	9		9		9		9		9		9	
1/4	3,893.74	1/4	4,255.31	1/4	4,616.87	1/4	4,978.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,901.28	1/2	4,262.84	1/2	4,624.41	1/2	4,985.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,908.81	3/4	4,270.37	3/4	4,631.94	3/4	4,993.50	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,916.34	10	4,277.91	10	4,639.47	10	5,001.04	10		10		10		10		10		10	
1/4	3,923.87	1/4	4,285.44	1/4	4,647.00	1/4	5,008.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,931.41	1/2	4,292.97	1/2	4,654.54	1/2	5,015.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,938.94	3/4	4,300.50	3/4	4,662.07	3/4	5,023.17	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,946.47	11	4,308.04	11	4,669.60	11	5,030.55	11		11		11		11		11		11	
1/4	3,954.01	1/4	4,315.57	1/4	4,677.13	1/4	5,037.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,961.54	1/2	4,323.10	1/2	4,684.67	1/2	5,043.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,969.07	3/4	4,330.64	3/4	4,692.20	3/4	5,050.54	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/08/2020 JS
CALCULATED: 04/08/2020 CL
PRINTED: 04/09/2020 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020



BARGE "DBL 316"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 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	17.94	0	360.71	0	721.04	0	1,070.60	0	1,426.16	0	1,786.51	0	2,146.77	0	2,507.01	0	2,867.22	0	3,227.31
1/4	22.54	1/4	368.21	1/4	728.55	1/4	1,077.77	1/4	1,433.67	1/4	1,794.02	1/4	2,154.28	1/4	2,514.52	1/4	2,874.73	1/4	3,234.81
1/2	27.13	1/2	375.72	1/2	736.06	1/2	1,084.94	1/2	1,441.18	1/2	1,801.53	1/2	2,161.78	1/2	2,522.02	1/2	2,882.23	1/2	3,242.31
3/4	31.72	3/4	383.23	3/4	743.56	3/4	1,092.11	3/4	1,448.69	3/4	1,809.04	3/4	2,169.29	3/4	2,529.53	3/4	2,889.74	3/4	3,249.82
1	36.32	1	390.73	1	751.07	1	1,099.28	1	1,456.19	1	1,816.54	1	2,176.79	1	2,537.03	1	2,897.24	1	3,257.32
1/4	42.52	1/4	398.24	1/4	758.58	1/4	1,106.45	1/4	1,463.70	1/4	1,824.05	1/4	2,184.30	1/4	2,544.54	1/4	2,904.75	1/4	3,264.83
1/2	48.73	1/2	405.75	1/2	766.08	1/2	1,113.62	1/2	1,471.21	1/2	1,831.56	1/2	2,191.80	1/2	2,552.04	1/2	2,912.25	1/2	3,272.33
3/4	54.94	3/4	413.26	3/4	773.59	3/4	1,120.79	3/4	1,478.72	3/4	1,839.07	3/4	2,199.31	3/4	2,559.55	3/4	2,919.76	3/4	3,279.84
2	61.14	2	420.76	2	781.10	2	1,127.96	2	1,486.22	2	1,846.57	2	2,206.81	2	2,567.05	2	2,927.26	2	3,287.34
1/4	68.48	1/4	428.27	1/4	788.61	1/4	1,135.15	1/4	1,493.73	1/4	1,854.08	1/4	2,214.32	1/4	2,574.56	1/4	2,934.77	1/4	3,294.84
1/2	75.82	1/2	435.78	1/2	796.11	1/2	1,142.34	1/2	1,501.24	1/2	1,861.58	1/2	2,221.82	1/2	2,582.06	1/2	2,942.27	1/2	3,302.35
3/4	83.16	3/4	443.28	3/4	803.62	3/4	1,149.52	3/4	1,508.74	3/4	1,869.09	3/4	2,229.33	3/4	2,589.57	3/4	2,949.78	3/4	3,309.85
3	90.50	3	450.79	3	811.13	3	1,156.71	3	1,516.25	3	1,876.59	3	2,236.83	3	2,597.07	3	2,957.28	3	3,317.36
1/4	98.00	1/4	458.30	1/4	818.57	1/4	1,164.02	1/4	1,523.76	1/4	1,884.10	1/4	2,244.34	1/4	2,604.58	1/4	2,964.79	1/4	3,324.86
1/2	105.50	1/2	465.80	1/2	826.01	1/2	1,171.32	1/2	1,531.27	1/2	1,891.60	1/2	2,251.84	1/2	2,612.08	1/2	2,972.29	1/2	3,332.37
3/4	113.00	3/4	473.31	3/4	833.45	3/4	1,178.63	3/4	1,538.77	3/4	1,899.11	3/4	2,259.35	3/4	2,619.59	3/4	2,979.79	3/4	3,339.88
4	120.50	4	480.82	4	840.89	4	1,185.93	4	1,546.28	4	1,906.61	4	2,266.85	4	2,627.09	4	2,987.30	4	3,347.39
1/4	128.00	1/4	488.33	1/4	848.12	1/4	1,193.44	1/4	1,553.79	1/4	1,914.12	1/4	2,274.36	1/4	2,634.60	1/4	2,994.80	1/4	3,354.91
1/2	135.50	1/2	495.83	1/2	855.35	1/2	1,200.95	1/2	1,561.30	1/2	1,921.62	1/2	2,281.86	1/2	2,642.10	1/2	3,002.29	1/2	3,362.43
3/4	143.01	3/4	503.34	3/4	862.58	3/4	1,208.45	3/4	1,568.80	3/4	1,929.13	3/4	2,289.37	3/4	2,649.61	3/4	3,009.79	3/4	3,369.94
5	150.51	5	510.85	5	869.80	5	1,215.96	5	1,576.31	5	1,936.63	5	2,296.87	5	2,657.11	5	3,017.29	5	3,377.46
1/4	158.02	1/4	518.35	1/4	876.98	1/4	1,223.47	1/4	1,583.82	1/4	1,944.14	1/4	2,304.38	1/4	2,664.62	1/4	3,024.79	1/4	3,384.98
1/2	165.52	1/2	525.86	1/2	884.16	1/2	1,230.97	1/2	1,591.32	1/2	1,951.64	1/2	2,311.88	1/2	2,672.12	1/2	3,032.29	1/2	3,392.50
3/4	173.03	3/4	533.37	3/4	891.33	3/4	1,238.48	3/4	1,598.83	3/4	1,959.15	3/4	2,319.39	3/4	2,679.63	3/4	3,039.79	3/4	3,400.02
6	180.54	6	540.87	6	898.51	6	1,245.99	6	1,606.34	6	1,966.65	6	2,326.89	6	2,687.13	6	3,047.29	6	3,407.54
1/4	188.05	1/4	548.38	1/4	905.68	1/4	1,253.50	1/4	1,613.85	1/4	1,974.16	1/4	2,334.40	1/4	2,694.64	1/4	3,054.79	1/4	3,415.06
1/2	195.55	1/2	555.89	1/2	912.85	1/2	1,261.00	1/2	1,621.35	1/2	1,981.66	1/2	2,341.90	1/2	2,702.14	1/2	3,062.29	1/2	3,422.58
3/4	203.06	3/4	563.40	3/4	920.02	3/4	1,268.51	3/4	1,628.86	3/4	1,989.17	3/4	2,349.41	3/4	2,709.65	3/4	3,069.78	3/4	3,430.10
7	210.57	7	570.90	7	927.19	7	1,276.02	7	1,636.37	7	1,996.67	7	2,356.91	7	2,717.15	7	3,077.28	7	3,437.62
1/4	218.07	1/4	578.41	1/4	934.36	1/4	1,283.53	1/4	1,643.88	1/4	2,004.18	1/4	2,364.42	1/4	2,724.66	1/4	3,084.78	1/4	3,445.13
1/2	225.58	1/2	585.92	1/2	941.53	1/2	1,291.03	1/2	1,651.38	1/2	2,011.68	1/2	2,371.92	1/2	2,732.16	1/2	3,092.28	1/2	3,452.65
3/4	233.09	3/4	593.42	3/4	948.70	3/4	1,298.54	3/4	1,658.89	3/4	2,019.19	3/4	2,379.43	3/4	2,739.67	3/4	3,099.78	3/4	3,460.17
8	240.59	8	600.93	8	955.87	8	1,306.05	8	1,666.40	8	2,026.69	8	2,386.93	8	2,747.17	8	3,107.28	8	3,467.69
1/4	248.10	1/4	608.44	1/4	963.04	1/4	1,313.55	1/4	1,673.91	1/4	2,034.20	1/4	2,394.44	1/4	2,754.68	1/4	3,114.78	1/4	3,475.21
1/2	255.61	1/2	615.94	1/2	970.21	1/2	1,321.06	1/2	1,681.41	1/2	2,041.70	1/2	2,401.94	1/2	2,762.18	1/2	3,122.28	1/2	3,482.73
3/4	263.12	3/4	623.45	3/4	977.38	3/4	1,328.57	3/4	1,688.92	3/4	2,049.21	3/4	2,409.45	3/4	2,769.69	3/4	3,129.78	3/4	3,490.25
9	270.62	9	630.96	9	984.55	9	1,336.08	9	1,696.43	9	2,056.71	9	2,416.95	9	2,777.19	9	3,137.27	9	3,497.77
1/4	278.13	1/4	638.47	1/4	991.72	1/4	1,343.58	1/4	1,703.93	1/4	2,064.22	1/4	2,424.46	1/4	2,784.69	1/4	3,144.77	1/4	3,504.71
1/2	285.64	1/2	645.97	1/2	998.89	1/2	1,351.09	1/2	1,711.44	1/2	2,071.72	1/2	2,431.96	1/2	2,792.19	1/2	3,152.27	1/2	3,511.65
3/4	293.14	3/4	653.48	3/4	1,006.06	3/4	1,358.60	3/4	1,718.95	3/4	2,079.23	3/4	2,439.47	3/4	2,799.69	3/4	3,159.77	3/4	3,518.60
10	300.65	10	660.99	10	1,013.23	10	1,366.11	10	1,726.46	10	2,086.73	10	2,446.97	10	2,807.19	10	3,167.27	10	3,525.54
1/4	308.16	1/4	668.49	1/4	1,020.40	1/4	1,373.61	1/4	1,733.96	1/4	2,094.24	1/4	2,454.48	1/4	2,814.70	1/4	3,174.78	1/4	3,530.76
1/2	315.66	1/2	676.00	1/2	1,027.57	1/2	1,381.12	1/2	1,741.47	1/2	2,101.74	1/2	2,461.98	1/2	2,822.20	1/2	3,182.28	1/2	3,535.97
3/4	323.17	3/4	683.51	3/4	1,034.74	3/4	1,388.63	3/4	1,748.98	3/4	2,109.25	3/4	2,469.49	3/4	2,829.70	3/4	3,189.79	3/4	3,541.19
11	330.68	11	691.01	11	1,041.91	11	1,396.13	11	1,756.49	11	2,116.75	11	2,476.99	11	2,837.20	11	3,197.29	11	3,546.40
1/4	338.19	1/4	698.52	1/4	1,049.08	1/4	1,403.64	1/4	1,763.99	1/4	2,124.26	1/4	2,484.50	1/4	2,844.71	1/4	3,204.79	1/4	3,551.62
1/2	345.69	1/2	706.03	1/2	1,056.25	1/2	1,411.15	1/2	1,771.50	1/2	2,131.76	1/2	2,492.00	1/2	2,852.21	1/2	3,212.30	1/2	3,556.84
3/4	353.20	3/4	713.54	3/4	1,063.43	3/4	1,418.66	3/4	1,779.01	3/4	2,139.27	3/4	2,499.51	3/4	2,859.72	3/4	3,219.80	3/4	3,562.05

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'-09" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "DBL 316"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 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	3,567.27	0	3,817.63	0	4,067.98	0	4,318.34	0	4,564.65	0		0		0		0		0	
1/4	3,572.48	1/4	3,822.84	1/4	4,073.20	1/4	4,323.56	1/4	4,567.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,577.70	1/2	3,828.06	1/2	4,078.42	1/2	4,328.77	1/2	4,571.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,582.91	3/4	3,833.27	3/4	4,083.63	3/4	4,333.99	3/4	4,574.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,588.13	1	3,838.49	1	4,088.85	1	4,339.21	1	4,577.42	1		1		1		1		1	
1/4	3,593.35	1/4	3,843.70	1/4	4,094.06	1/4	4,344.42	1/4	4,579.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,598.56	1/2	3,848.92	1/2	4,099.28	1/2	4,349.64	1/2	4,581.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,603.78	3/4	3,854.14	3/4	4,104.49	3/4	4,354.85	3/4	4,583.52	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,608.99	2	3,859.35	2	4,109.71	2	4,360.07	2	4,585.56	2		2		2		2		2	
1/4	3,614.21	1/4	3,864.57	1/4	4,114.93	1/4	4,365.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,619.42	1/2	3,869.78	1/2	4,120.14	1/2	4,370.50	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,624.64	3/4	3,875.00	3/4	4,125.36	3/4	4,375.72	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,629.86	3	3,880.21	3	4,130.57	3	4,380.93	3		3		3		3		3		3	
1/4	3,635.07	1/4	3,885.43	1/4	4,135.79	1/4	4,386.15	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,640.29	1/2	3,890.65	1/2	4,141.00	1/2	4,391.36	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,645.50	3/4	3,895.86	3/4	4,146.22	3/4	4,396.58	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,650.72	4	3,901.08	4	4,151.44	4	4,401.79	4		4		4		4		4		4	
1/4	3,655.94	1/4	3,906.29	1/4	4,156.65	1/4	4,407.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,661.15	1/2	3,911.51	1/2	4,161.87	1/2	4,412.23	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,666.37	3/4	3,916.73	3/4	4,167.08	3/4	4,417.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,671.58	5	3,921.94	5	4,172.30	5	4,422.66	5		5		5		5		5		5	
1/4	3,676.80	1/4	3,927.16	1/4	4,177.52	1/4	4,427.87	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,682.01	1/2	3,932.37	1/2	4,182.73	1/2	4,433.09	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,687.23	3/4	3,937.59	3/4	4,187.95	3/4	4,438.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,692.45	6	3,942.80	6	4,193.16	6	4,443.52	6		6		6		6		6		6	
1/4	3,697.66	1/4	3,948.02	1/4	4,198.38	1/4	4,448.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,702.88	1/2	3,953.24	1/2	4,203.59	1/2	4,453.95	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,708.09	3/4	3,958.45	3/4	4,208.81	3/4	4,459.17	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,713.31	7	3,963.67	7	4,214.03	7	4,464.38	7		7		7		7		7		7	
1/4	3,718.53	1/4	3,968.88	1/4	4,219.24	1/4	4,469.60	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,723.74	1/2	3,974.10	1/2	4,224.46	1/2	4,474.82	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,728.96	3/4	3,979.32	3/4	4,229.67	3/4	4,480.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,734.17	8	3,984.53	8	4,234.89	8	4,485.25	8		8		8		8		8		8	
1/4	3,739.39	1/4	3,989.75	1/4	4,240.11	1/4	4,490.46	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,744.60	1/2	3,994.96	1/2	4,245.32	1/2	4,495.68	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,749.82	3/4	4,000.18	3/4	4,250.54	3/4	4,500.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,755.04	9	4,005.39	9	4,255.75	9	4,506.11	9		9		9		9		9		9	
1/4	3,760.25	1/4	4,010.61	1/4	4,260.97	1/4	4,511.33	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,765.47	1/2	4,015.83	1/2	4,266.18	1/2	4,516.54	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,770.68	3/4	4,021.04	3/4	4,271.40	3/4	4,521.76	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,775.90	10	4,026.26	10	4,276.62	10	4,526.97	10		10		10		10		10		10	
1/4	3,781.11	1/4	4,031.47	1/4	4,281.83	1/4	4,532.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,786.33	1/2	4,036.69	1/2	4,287.05	1/2	4,537.12	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,791.55	3/4	4,041.90	3/4	4,292.26	3/4	4,542.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,796.76	11	4,047.12	11	4,297.48	11	4,547.26	11		11		11		11		11		11	
1/4	3,801.98	1/4	4,052.34	1/4	4,302.69	1/4	4,551.61	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,807.19	1/2	4,057.55	1/2	4,307.91	1/2	4,555.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,812.41	3/4	4,062.77	3/4	4,313.13	3/4	4,560.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/08/2020 JS
CALCULATED: 04/08/2020 CL
PRINTED: 04/09/2020 SW

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020



BARGE "DBL 316"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 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	17.90	0	359.98	0	719.74	0	1,078.95	0	1,438.52	0	1,798.30	0	2,158.08	0	2,517.86	0	2,877.64	0	3,237.42
1/4	22.48	1/4	367.47	1/4	727.24	1/4	1,086.43	1/4	1,446.02	1/4	1,805.79	1/4	2,165.57	1/4	2,525.35	1/4	2,885.13	1/4	3,244.91
1/2	27.06	1/2	374.97	1/2	734.73	1/2	1,093.91	1/2	1,453.51	1/2	1,813.29	1/2	2,173.07	1/2	2,532.85	1/2	2,892.63	1/2	3,252.41
3/4	31.64	3/4	382.46	3/4	742.23	3/4	1,101.38	3/4	1,461.01	3/4	1,820.79	3/4	2,180.56	3/4	2,540.34	3/4	2,900.12	3/4	3,259.90
1	36.22	1	389.96	1	749.72	1	1,108.86	1	1,468.50	1	1,828.28	1	2,188.06	1	2,547.84	1	2,907.62	1	3,267.40
1/4	42.41	1/4	397.45	1/4	757.22	1/4	1,116.33	1/4	1,476.00	1/4	1,835.78	1/4	2,195.56	1/4	2,555.33	1/4	2,915.11	1/4	3,274.89
1/2	48.60	1/2	404.95	1/2	764.71	1/2	1,123.81	1/2	1,483.49	1/2	1,843.27	1/2	2,203.05	1/2	2,562.83	1/2	2,922.61	1/2	3,282.39
3/4	54.78	3/4	412.44	3/4	772.21	3/4	1,131.29	3/4	1,490.99	3/4	1,850.77	3/4	2,210.55	3/4	2,570.33	3/4	2,930.10	3/4	3,289.88
2	60.97	2	419.94	2	779.70	2	1,138.76	2	1,498.48	2	1,858.26	2	2,218.04	2	2,577.82	2	2,937.60	2	3,297.38
1/4	68.29	1/4	427.43	1/4	787.20	1/4	1,146.24	1/4	1,505.98	1/4	1,865.76	1/4	2,225.54	1/4	2,585.32	1/4	2,945.10	1/4	3,304.87
1/2	75.60	1/2	434.93	1/2	794.69	1/2	1,153.72	1/2	1,513.47	1/2	1,873.25	1/2	2,233.03	1/2	2,592.81	1/2	2,952.59	1/2	3,312.37
3/4	82.92	3/4	442.42	3/4	802.19	3/4	1,161.20	3/4	1,520.97	3/4	1,880.75	3/4	2,240.53	3/4	2,600.31	3/4	2,960.09	3/4	3,319.87
3	90.23	3	449.92	3	809.68	3	1,168.69	3	1,528.47	3	1,888.24	3	2,248.02	3	2,607.80	3	2,967.58	3	3,327.36
1/4	97.71	1/4	457.41	1/4	817.18	1/4	1,176.18	1/4	1,535.96	1/4	1,895.74	1/4	2,255.52	1/4	2,615.30	1/4	2,975.08	1/4	3,334.86
1/2	105.19	1/2	464.91	1/2	824.67	1/2	1,183.68	1/2	1,543.46	1/2	1,903.24	1/2	2,263.01	1/2	2,622.79	1/2	2,982.57	1/2	3,342.35
3/4	112.67	3/4	472.40	3/4	832.17	3/4	1,191.17	3/4	1,550.95	3/4	1,910.73	3/4	2,270.51	3/4	2,630.29	3/4	2,990.07	3/4	3,349.85
4	120.15	4	479.90	4	839.66	4	1,198.67	4	1,558.45	4	1,918.23	4	2,278.01	4	2,637.78	4	2,997.56	4	3,357.34
1/4	127.64	1/4	487.39	1/4	847.15	1/4	1,206.16	1/4	1,565.94	1/4	1,925.72	1/4	2,285.50	1/4	2,645.28	1/4	3,005.06	1/4	3,364.84
1/2	135.13	1/2	494.89	1/2	854.64	1/2	1,213.66	1/2	1,573.44	1/2	1,933.22	1/2	2,293.00	1/2	2,652.78	1/2	3,012.55	1/2	3,372.33
3/4	142.62	3/4	502.38	3/4	862.13	3/4	1,221.15	3/4	1,580.93	3/4	1,940.71	3/4	2,300.49	3/4	2,660.27	3/4	3,020.05	3/4	3,379.83
5	150.11	5	509.88	5	869.62	5	1,228.65	5	1,588.43	5	1,948.21	5	2,307.99	5	2,667.77	5	3,027.55	5	3,387.32
1/4	157.61	1/4	517.37	1/4	877.10	1/4	1,236.14	1/4	1,595.92	1/4	1,955.70	1/4	2,315.48	1/4	2,675.26	1/4	3,035.04	1/4	3,394.82
1/2	165.10	1/2	524.87	1/2	884.57	1/2	1,243.64	1/2	1,603.42	1/2	1,963.20	1/2	2,322.98	1/2	2,682.76	1/2	3,042.54	1/2	3,402.32
3/4	172.60	3/4	532.36	3/4	892.05	3/4	1,251.14	3/4	1,610.91	3/4	1,970.69	3/4	2,330.47	3/4	2,690.25	3/4	3,050.03	3/4	3,409.81
6	180.09	6	539.86	6	899.53	6	1,258.63	6	1,618.41	6	1,978.19	6	2,337.97	6	2,697.75	6	3,057.53	6	3,417.31
1/4	187.59	1/4	547.35	1/4	907.00	1/4	1,266.13	1/4	1,625.91	1/4	1,985.68	1/4	2,345.46	1/4	2,705.24	1/4	3,065.02	1/4	3,424.80
1/2	195.08	1/2	554.85	1/2	914.48	1/2	1,273.62	1/2	1,633.40	1/2	1,993.18	1/2	2,352.96	1/2	2,712.74	1/2	3,072.52	1/2	3,432.30
3/4	202.58	3/4	562.34	3/4	921.95	3/4	1,281.12	3/4	1,640.90	3/4	2,000.68	3/4	2,360.45	3/4	2,720.23	3/4	3,080.01	3/4	3,439.79
7	210.08	7	569.84	7	929.43	7	1,288.61	7	1,648.39	7	2,008.17	7	2,367.95	7	2,727.73	7	3,087.51	7	3,447.29
1/4	217.57	1/4	577.33	1/4	936.91	1/4	1,296.11	1/4	1,655.89	1/4	2,015.67	1/4	2,375.45	1/4	2,735.22	1/4	3,095.00	1/4	3,454.78
1/2	225.07	1/2	584.83	1/2	944.38	1/2	1,303.60	1/2	1,663.38	1/2	2,023.16	1/2	2,382.94	1/2	2,742.72	1/2	3,102.50	1/2	3,462.28
3/4	232.56	3/4	592.33	3/4	951.86	3/4	1,311.10	3/4	1,670.88	3/4	2,030.66	3/4	2,390.44	3/4	2,750.22	3/4	3,109.99	3/4	3,469.77
8	240.06	8	599.82	8	959.34	8	1,318.59	8	1,678.37	8	2,038.15	8	2,397.93	8	2,757.71	8	3,117.49	8	3,477.27
1/4	247.55	1/4	607.32	1/4	966.81	1/4	1,326.09	1/4	1,685.87	1/4	2,045.65	1/4	2,405.43	1/4	2,765.21	1/4	3,124.99	1/4	3,484.76
1/2	255.05	1/2	614.81	1/2	974.29	1/2	1,333.58	1/2	1,693.36	1/2	2,053.14	1/2	2,412.92	1/2	2,772.70	1/2	3,132.48	1/2	3,492.26
3/4	262.54	3/4	622.31	3/4	981.76	3/4	1,341.08	3/4	1,700.86	3/4	2,060.64	3/4	2,420.42	3/4	2,780.20	3/4	3,139.98	3/4	3,499.76
9	270.04	9	629.80	9	989.24	9	1,348.58	9	1,708.35	9	2,068.13	9	2,427.91	9	2,787.69	9	3,147.47	9	3,507.25
1/4	277.53	1/4	637.30	1/4	996.72	1/4	1,356.07	1/4	1,715.85	1/4	2,075.63	1/4	2,435.41	1/4	2,795.19	1/4	3,154.97	1/4	3,514.75
1/2	285.03	1/2	644.79	1/2	1,004.19	1/2	1,363.57	1/2	1,723.35	1/2	2,083.12	1/2	2,442.90	1/2	2,802.68	1/2	3,162.46	1/2	3,521.09
3/4	292.52	3/4	652.29	3/4	1,011.67	3/4	1,371.06	3/4	1,730.84	3/4	2,090.62	3/4	2,450.40	3/4	2,810.18	3/4	3,169.96	3/4	3,528.01
10	300.02	10	659.78	10	1,019.14	10	1,378.56	10	1,738.34	10	2,098.12	10	2,457.89	10	2,817.67	10	3,177.45	10	3,534.92
1/4	307.51	1/4	667.28	1/4	1,026.62	1/4	1,386.05	1/4	1,745.83	1/4	2,105.61	1/4	2,465.39	1/4	2,825.17	1/4	3,184.95	1/4	3,540.12
1/2	315.01	1/2	674.77	1/2	1,034.10	1/2	1,393.55	1/2	1,753.33	1/2	2,113.11	1/2	2,472.89	1/2	2,832.66	1/2	3,192.44	1/2	3,545.32
3/4	322.50	3/4	682.27	3/4	1,041.57	3/4	1,401.04	3/4	1,760.82	3/4	2,120.60	3/4	2,480.38	3/4	2,840.16	3/4	3,199.94	3/4	3,550.51
11	330.00	11	689.76	11	1,049.05	11	1,408.54	11	1,768.32	11	2,128.10	11	2,487.88	11	2,847.66	11	3,207.43	11	3,555.71
1/4	337.49	1/4	697.26	1/4	1,056.52	1/4	1,416.03	1/4	1,775.81	1/4	2,135.59	1/4	2,495.37	1/4	2,855.15	1/4	3,214.93	1/4	3,560.90
1/2	344.99	1/2	704.75	1/2	1,064.00	1/2	1,423.53	1/2	1,783.31	1/2	2,143.09	1/2	2,502.87	1/2	2,862.65	1/2	3,222.43	1/2	3,566.10
3/4	352.48	3/4	712.25	3/4	1,071.48	3/4	1,431.02	3/4	1,790.80	3/4	2,150.58	3/4	2,510.36	3/4	2,870.14	3/4	3,229.92	3/4	3,571.29

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'-09" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





BARGE "DBL 316"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 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	3,576.49	0	3,825.88	0	4,075.27	0	4,324.66	0	4,570.00	0		0		0		0		0	
1/4	3,581.69	1/4	3,831.07	1/4	4,080.46	1/4	4,329.85	1/4	4,573.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,586.88	1/2	3,836.27	1/2	4,085.66	1/2	4,335.05	1/2	4,576.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,592.08	3/4	3,841.47	3/4	4,090.85	3/4	4,340.24	3/4	4,579.54	3/4		3/4		3/4		3/4		3/4	
1	3,597.27	1	3,846.66	1	4,096.05	1	4,345.44	1	4,582.71	1		1		1		1		1	
1/4	3,602.47	1/4	3,851.86	1/4	4,101.25	1/4	4,350.63	1/4	4,584.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,607.66	1/2	3,857.05	1/2	4,106.44	1/2	4,355.83	1/2	4,586.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,612.86	3/4	3,862.25	3/4	4,111.64	3/4	4,361.03	3/4	4,588.79	3/4		3/4		3/4		3/4		3/4	
2	3,618.05	2	3,867.44	2	4,116.83	2	4,366.22	2	4,590.81	2		2		2		2		2	
1/4	3,623.25	1/4	3,872.64	1/4	4,122.03	1/4	4,371.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,628.45	1/2	3,877.83	1/2	4,127.22	1/2	4,376.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,633.64	3/4	3,883.03	3/4	4,132.42	3/4	4,381.81	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,638.84	3	3,888.23	3	4,137.61	3	4,387.00	3		3		3		3		3		3	
1/4	3,644.03	1/4	3,893.42	1/4	4,142.81	1/4	4,392.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,649.23	1/2	3,898.62	1/2	4,148.01	1/2	4,397.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,654.42	3/4	3,903.81	3/4	4,153.20	3/4	4,402.59	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,659.62	4	3,909.01	4	4,158.40	4	4,407.79	4		4		4		4		4		4	
1/4	3,664.81	1/4	3,914.20	1/4	4,163.59	1/4	4,412.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,670.01	1/2	3,919.40	1/2	4,168.79	1/2	4,418.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,675.21	3/4	3,924.59	3/4	4,173.98	3/4	4,423.37	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,680.40	5	3,929.79	5	4,179.18	5	4,428.57	5		5		5		5		5		5	
1/4	3,685.60	1/4	3,934.99	1/4	4,184.37	1/4	4,433.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,690.79	1/2	3,940.18	1/2	4,189.57	1/2	4,438.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.99	3/4	3,945.38	3/4	4,194.77	3/4	4,444.15	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,701.18	6	3,950.57	6	4,199.96	6	4,449.35	6		6		6		6		6		6	
1/4	3,706.38	1/4	3,955.77	1/4	4,205.16	1/4	4,454.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,711.58	1/2	3,960.96	1/2	4,210.35	1/2	4,459.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,716.77	3/4	3,966.16	3/4	4,215.55	3/4	4,464.94	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,721.97	7	3,971.36	7	4,220.74	7	4,470.13	7		7		7		7		7		7	
1/4	3,727.16	1/4	3,976.55	1/4	4,225.94	1/4	4,475.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,732.36	1/2	3,981.75	1/2	4,231.14	1/2	4,480.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,737.55	3/4	3,986.94	3/4	4,236.33	3/4	4,485.72	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,742.75	8	3,992.14	8	4,241.53	8	4,490.92	8		8		8		8		8		8	
1/4	3,747.94	1/4	3,997.33	1/4	4,246.72	1/4	4,496.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,753.14	1/2	4,002.53	1/2	4,251.92	1/2	4,501.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,758.34	3/4	4,007.72	3/4	4,257.11	3/4	4,506.50	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,763.53	9	4,012.92	9	4,262.31	9	4,511.70	9		9		9		9		9		9	
1/4	3,768.73	1/4	4,018.12	1/4	4,267.50	1/4	4,516.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,773.92	1/2	4,023.31	1/2	4,272.70	1/2	4,522.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,779.12	3/4	4,028.51	3/4	4,277.90	3/4	4,527.28	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,784.31	10	4,033.70	10	4,283.09	10	4,532.48	10		10		10		10		10		10	
1/4	3,789.51	1/4	4,038.90	1/4	4,288.29	1/4	4,537.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,794.70	1/2	4,044.09	1/2	4,293.48	1/2	4,542.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,799.90	3/4	4,049.29	3/4	4,298.68	3/4	4,547.63	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,805.10	11	4,054.48	11	4,303.87	11	4,552.69	11		11		11		11		11		11	
1/4	3,810.29	1/4	4,059.68	1/4	4,309.07	1/4	4,557.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,815.49	1/2	4,064.88	1/2	4,314.26	1/2	4,561.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,820.68	3/4	4,070.07	3/4	4,319.46	3/4	4,565.67	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/08/2020 JS
CALCULATED: 04/08/2020 CL
PRINTED: 04/09/2020 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020