



BARGE: SMS 112

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8
2 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 CENTER	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8

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

LENGTH BETWEEN DRAFT MARKS: 163'-09"

January 30, 2019



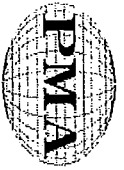
BARGE "SMS 112"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	3,294.13	0	3,078.78	0	2,863.43	0	2,648.32	0	2,404.16	0	2,152.60	0	1,901.14	0	1,650.14	0	1,400.14
1/4	1/4	3,482.45	3,258.65	3,074.29	2,858.94	2,643.86	2,433.86	2,233.92	2,039.92	1,846.92	1,654.92	1,462.92	1,270.92	1,078.92	886.92	694.92	502.92	310.92	118.92
1/2	1/2	3,481.57	3,257.77	3,073.40	2,857.65	2,642.57	2,432.57	2,232.63	2,038.63	1,845.63	1,653.63	1,461.63	1,269.63	1,077.63	885.63	693.63	501.63	309.63	117.63
3/4	3/4	3,480.70	3,256.90	3,072.53	2,856.78	2,641.70	2,431.70	2,231.76	2,037.76	1,844.76	1,652.76	1,460.76	1,268.76	1,076.76	884.76	692.76	499.76	308.76	116.76
1	1	3,479.82	3,256.02	3,071.66	2,855.90	2,640.82	2,430.82	2,230.88	2,036.88	1,843.88	1,651.88	1,459.88	1,267.88	1,075.88	883.88	691.88	498.88	307.88	115.88
1/4	1/4	3,478.95	3,255.15	3,070.79	2,855.03	2,639.95	2,429.95	2,229.95	2,035.95	1,842.95	1,650.95	1,458.95	1,266.95	1,074.95	882.95	690.95	497.95	306.95	114.95
1/2	1/2	3,478.08	3,254.28	3,069.92	2,854.16	2,639.08	2,429.08	2,229.08	2,035.08	1,842.08	1,650.08	1,458.08	1,266.08	1,074.08	882.08	689.08	497.08	306.08	114.08
3/4	3/4	3,477.21	3,253.41	3,069.05	2,853.29	2,638.21	2,428.21	2,228.21	2,034.21	1,841.21	1,649.21	1,457.21	1,265.21	1,073.21	881.21	688.21	496.21	305.21	113.21
1	1	3,476.34	3,252.54	3,068.18	2,852.42	2,637.34	2,427.34	2,227.34	2,033.34	1,840.34	1,648.34	1,456.34	1,264.34	1,072.34	880.34	687.34	495.34	304.34	112.34
1/4	1/4	3,475.47	3,251.67	3,067.31	2,851.55	2,636.47	2,426.47	2,226.47	2,032.47	1,839.47	1,647.47	1,455.47	1,263.47	1,071.47	879.47	686.47	494.47	303.47	111.47
1/2	1/2	3,474.60	3,250.80	3,066.44	2,850.68	2,635.60	2,425.60	2,225.60	2,031.60	1,838.60	1,646.60	1,454.60	1,262.60	1,070.60	878.60	685.60	493.60	302.60	110.60
3/4	3/4	3,473.73	3,249.93	3,065.57	2,849.81	2,634.73	2,424.73	2,224.73	2,030.73	1,837.73	1,645.73	1,453.73	1,261.73	1,069.73	877.73	684.73	492.73	301.73	109.73
1	1	3,472.86	3,249.06	3,064.70	2,848.94	2,633.86	2,423.86	2,223.86	2,029.86	1,836.86	1,644.86	1,452.86	1,260.86	1,068.86	876.86	683.86	491.86	300.86	108.86
1/4	1/4	3,471.99	3,248.19	3,063.83	2,848.07	2,632.99	2,422.99	2,222.99	2,028.99	1,835.99	1,643.99	1,451.99	1,259.99	1,067.99	875.99	682.99	490.99	299.99	107.99
1/2	1/2	3,471.12	3,247.32	3,062.96	2,847.20	2,632.12	2,422.12	2,222.12	2,028.12	1,835.12	1,643.12	1,451.12	1,259.12	1,067.12	875.12	682.12	490.12	299.12	107.12
3/4	3/4	3,470.25	3,246.45	3,062.09	2,846.33	2,631.25	2,421.25	2,221.25	2,027.25	1,834.25	1,642.25	1,450.25	1,258.25	1,066.25	874.25	681.25	489.25	298.25	106.25
1	1	3,469.38	3,245.58	3,061.22	2,845.46	2,630.38	2,420.38	2,220.38	2,026.38	1,833.38	1,641.38	1,449.38	1,257.38	1,065.38	873.38	680.38	488.38	297.38	105.38
1/4	1/4	3,468.51	3,244.71	3,060.35	2,844.59	2,629.51	2,419.51	2,219.51	2,025.51	1,832.51	1,640.51	1,448.51	1,256.51	1,064.51	872.51	679.51	487.51	296.51	104.51
1/2	1/2	3,467.64	3,243.84	3,059.48	2,843.72	2,628.64	2,418.64	2,218.64	2,024.64	1,831.64	1,639.64	1,447.64	1,255.64	1,063.64	871.64	678.64	486.64	295.64	103.64
3/4	3/4	3,466.77	3,242.97	3,058.61	2,842.85	2,627.77	2,417.77	2,217.77	2,023.77	1,830.77	1,638.77	1,446.77	1,254.77	1,062.77	870.77	677.77	485.77	294.77	102.77
1	1	3,465.90	3,242.10	3,057.74	2,841.98	2,626.90	2,416.90	2,216.90	2,022.90	1,829.90	1,637.90	1,445.90	1,253.90	1,061.90	869.90	676.90	484.90	293.90	101.90
1/4	1/4	3,465.03	3,241.23	3,056.87	2,841.11	2,626.03	2,416.03	2,216.03	2,022.03	1,829.03	1,637.03	1,445.03	1,253.03	1,061.03	869.03	676.03	484.03	293.03	101.03
1/2	1/2	3,464.16	3,240.36	3,056.00	2,840.24	2,625.16	2,415.16	2,215.16	2,021.16	1,828.16	1,636.16	1,444.16	1,252.16	1,060.16	868.16	675.16	483.16	292.16	100.16
3/4	3/4	3,463.29	3,239.49	3,055.13	2,839.37	2,624.29	2,414.29	2,214.29	2,020.29	1,827.29	1,635.29	1,443.29	1,251.29	1,059.29	867.29	674.29	482.29	291.29	99.29
1	1	3,462.42	3,238.62	3,054.26	2,838.50	2,623.42	2,413.42	2,213.42	2,019.42	1,826.42	1,634.42	1,442.42	1,250.42	1,058.42	866.42	673.42	481.42	290.42	98.42
1/4	1/4	3,461.55	3,237.75	3,053.39	2,837.63	2,622.55	2,412.55	2,212.55	2,018.55	1,825.55	1,633.55	1,441.55	1,249.55	1,057.55	865.55	672.55	480.55	289.55	97.55
1/2	1/2	3,460.68	3,236.88	3,052.52	2,836.76	2,621.68	2,411.68	2,211.68	2,017.68	1,824.68	1,632.68	1,440.68	1,248.68	1,056.68	864.68	671.68	479.68	288.68	96.68
3/4	3/4	3,459.81	3,236.01	3,051.65	2,835.89	2,620.81	2,410.81	2,210.81	2,016.81	1,823.81	1,631.81	1,439.81	1,247.81	1,055.81	863.81	670.81	478.81	287.81	95.81
1	1	3,458.94	3,235.14	3,050.78	2,835.02	2,619.94	2,409.94	2,209.94	2,015.94	1,823.02	1,630.94	1,438.94	1,246.94	1,054.94	862.94	669.94	477.94	286.94	94.94
1/4	1/4	3,458.07	3,234.27	3,049.91	2,834.15	2,619.07	2,409.07	2,209.07	2,015.07	1,822.15	1,629.07	1,438.07	1,246.07	1,054.07	862.07	669.07	477.07	286.07	94.07
1/2	1/2	3,457.20	3,233.40	3,049.04	2,833.28	2,618.20	2,408.20	2,208.20	2,014.20	1,821.28	1,628.20	1,437.20	1,245.20	1,053.20	861.28	668.20	476.20	285.20	93.28
3/4	3/4	3,456.33	3,232.53	3,048.17	2,832.41	2,617.33	2,407.33	2,207.33	2,013.33	1,820.41	1,627.33	1,436.33	1,244.33	1,052.33	860.41	667.33	475.33	284.33	92.41
1	1	3,455.46	3,231.66	3,047.30	2,831.54	2,616.46	2,406.46	2,206.46	2,012.46	1,819.54	1,626.46	1,435.46	1,243.46	1,051.46	859.54	666.46	474.46	283.46	91.54
1/4	1/4	3,454.59	3,230.79	3,046.43	2,830.67	2,615.59	2,405.59	2,205.59	2,011.59	1,818.67	1,625.59	1,434.59	1,242.59	1,050.59	858.67	665.59	473.59	282.59	90.67
1/2	1/2	3,453.72	3,229.92	3,045.56	2,829.80	2,614.72	2,404.72	2,204.72	2,010.72	1,817.80	1,624.72	1,433.72	1,241.72	1,049.72	857.80	664.72	472.72	281.72	89.80
3/4	3/4	3,452.85	3,229.05	3,044.69	2,828.93	2,613.85	2,403.85	2,203.85	2,009.85	1,816.93	1,623.85	1,432.85	1,240.85	1,048.85	856.93	663.85	471.85	280.85	88.93
1	1	3,451.98	3,228.18	3,043.82	2,828.06	2,612.98	2,402.98	2,202.98	2,008.98	1,816.06	1,622.98	1,431.98	1,239.98	1,047.98	856.06	662.98	470.98	279.98	88.06
1/4	1/4	3,451.11	3,227.31	3,042.95	2,827.19	2,612.11	2,402.11	2,202.11	2,008.11	1,815.19	1,622.11	1,431.11	1,239.11	1,047.11	855.19	662.11	470.11	279.11	87.19
1/2	1/2	3,450.24	3,226.44	3,042.08	2,826.32	2,611.24	2,401.24	2,201.24	2,007.24	1,814.32	1,621.24	1,430.24	1,238.24	1,046.24	854.32	661.24	469.24	278.24	86.32
3/4	3/4	3,449.37	3,225.57	3,041.21	2,825.45	2,610.37	2,400.37	2,200.37	2,006.37	1,813.45	1,620.37	1,429.37	1,237.37	1,045.37	853.45	660.37	468.37	277.37	85.45
1	1	3,448.50	3,224.70	3,040.34	2,824.58	2,609.50	2,399.50	2,199.50	2,005.50	1,812.58	1,619.50	1,428.50	1,236.50	1,044.50	852.58	659.50	467.50	276.50	84.58
1/4	1/4	3,447.63	3,223.83	3,039.47	2,823.71	2,608.63	2,398.63	2,198.63	2,004.63	1,811.71	1,618.63	1,427.63	1,235.63	1,043.63	851.71	658.63	466.63	275.63	83.71
1/2	1/2	3,446.76	3,222.96	3,038.60	2,822.84	2,607.76	2,397.76	2,197.76	2,003.76	1,810.84	1,617.76	1,426.76	1,234.76	1,042.76	850.84	657.76	465.76	274.76	82.84
3/4	3/4	3,445.89	3,222.09	3,037.73	2,821.97	2,606.89	2,396.89	2,196.89	2,002.89	1,809.97	1,616.89	1,425.89	1,233.89	1,041.89	849.97	656.89	464.89	273.89	81.97
1	1	3,445.02	3,221.22	3,036.86	2,821.10	2,606.02	2,396.02	2,196.02	2,001.97	1,809.10	1,616.02	1,425.02	1,233.02	1,041.02	849.10	656.02	464.02	273.02	81.10
1/4	1/4	3,444.15	3,220.35	3,035.99	2,820.23	2,605.15	2,395.15	2,195.15	2,001.10	1,808.23	1,615.15	1,424.15	1,232.15	1,040.15	848.23	655.15	463.15	272.15	80.23
1/2	1/2	3,443.28	3,219.48	3,035.12	2,819.36	2,604.28	2,394.28	2,194.28	2,000.23	1,807.36	1,614.28	1,423.28	1,231.28	1,039.28	847.36	654.28	462.28	271.28	79.36
3/4	3/4	3,442.41	3,218.61	3,034.25	2,818.49	2,603.41	2,393.41	2,193.41	1,999.36	1,806.49	1,613.41	1,422.41	1,230.41	1,038.41	846.49	653.41	461.41	270.41	78.49
1	1	3,441.54	3,217.74	3,033.38	2,817.62	2,602.54	2,392.54	2,192.54	1,998.49	1,805.62	1,612.54	1,421.54	1,229.54	1,037.54	845.62	652.54	460.54	269.54	77.62
1/4	1/4	3,440.67	3,216.87	3,032.51	2,816.75	2,601.67	2,391.67	2,191.67	1,997.62	1,804.75	1,611.67	1,420.67	1,228.67	1,					



1 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,398.72	0	1,147.20	0	895.69	0	649.38	0	397.96	0	145.70	0		0		0		0	
1/4	1,393.48	1/4	1,141.96	1/4	890.45	1/4	644.28	1/4	392.71	1/4	140.44	1/4		1/4		1/4		1/4	
1/2	1,388.24	1/2	1,136.72	1/2	885.21	1/2	639.18	1/2	387.45	1/2	135.19	1/2		1/2		1/2		1/2	
3/4	1,383.00	3/4	1,131.48	3/4	879.97	3/4	634.08	3/4	382.20	3/4	129.93	3/4		3/4		3/4		3/4	
1	1,377.76	1	1,126.24	1	874.73	1	628.98	1	376.94	1	124.67	1		1		1		1	
1/4	1,372.52	1/4	1,121.00	1/4	869.48	1/4	623.88	1/4	371.69	1/4	119.42	1/4		1/4		1/4		1/4	
1/2	1,367.28	1/2	1,115.76	1/2	864.25	1/2	618.64	1/2	366.43	1/2	114.16	1/2		1/2		1/2		1/2	
3/4	1,362.04	3/4	1,110.52	3/4	859.01	3/4	613.39	3/4	361.18	3/4	108.91	3/4		3/4		3/4		3/4	
2	1,356.80	2	1,105.28	2	853.77	2	608.14	2	355.92	2	103.65	2		2		2		2	
1/4	1,351.56	1/4	1,100.04	1/4	848.53	1/4	602.89	1/4	350.66	1/4	98.40	1/4		1/4		1/4		1/4	
1/2	1,346.32	1/2	1,094.80	1/2	843.29	1/2	597.65	1/2	345.41	1/2	93.14	1/2		1/2		1/2		1/2	
3/4	1,341.08	3/4	1,089.56	3/4	838.05	3/4	592.40	3/4	340.15	3/4	87.89	3/4		3/4		3/4		3/4	
3	1,335.84	3	1,084.32	3	832.81	3	587.15	3	334.90	3	82.64	3		3		3		3	
1/4	1,330.60	1/4	1,079.08	1/4	827.57	1/4	581.91	1/4	329.64	1/4	77.38	1/4		1/4		1/4		1/4	
1/2	1,325.36	1/2	1,073.84	1/2	822.46	1/2	576.65	1/2	324.39	1/2	72.14	1/2		1/2		1/2		1/2	
3/4	1,320.12	3/4	1,068.60	3/4	817.35	3/4	571.40	3/4	319.13	3/4	66.90	3/4		3/4		3/4		3/4	
4	1,314.88	4	1,063.36	4	812.24	4	566.14	4	313.88	4	61.65	4		4		4		4	
1/4	1,309.64	1/4	1,058.12	1/4	807.13	1/4	560.88	1/4	308.62	1/4	56.41	1/4		1/4		1/4		1/4	
1/2	1,304.40	1/2	1,052.88	1/2	802.02	1/2	555.63	1/2	303.36	1/2	51.20	1/2		1/2		1/2		1/2	
3/4	1,299.16	3/4	1,047.64	3/4	796.91	3/4	550.37	3/4	298.11	3/4	45.99	3/4		3/4		3/4		3/4	
5	1,293.92	5	1,042.40	5	791.80	5	545.12	5	292.85	5	40.78	5		5		5		5	
1/4	1,288.68	1/4	1,037.16	1/4	786.70	1/4	539.86	1/4	287.60	1/4	35.57	1/4		1/4		1/4		1/4	
1/2	1,283.44	1/2	1,031.92	1/2	781.61	1/2	534.61	1/2	282.34	1/2	31.19	1/2		1/2		1/2		1/2	
3/4	1,278.20	3/4	1,026.68	3/4	776.53	3/4	529.35	3/4	277.09	3/4	26.82	3/4		3/4		3/4		3/4	
6	1,272.96	6	1,021.44	6	771.44	6	524.10	6	271.83	6	22.44	6		6		6		6	
1/4	1,267.72	1/4	1,016.20	1/4	766.36	1/4	518.84	1/4	266.58	1/4	18.06	1/4		1/4		1/4		1/4	
1/2	1,262.48	1/2	1,010.96	1/2	761.27	1/2	513.58	1/2	261.32	1/2	15.44	1/2		1/2		1/2		1/2	
3/4	1,257.24	3/4	1,005.72	3/4	756.19	3/4	508.33	3/4	256.07	3/4	12.81	3/4		3/4		3/4		3/4	
7	1,252.00	7	1,000.48	7	751.11	7	503.07	7	250.81	7	10.18	7		7		7		7	
1/4	1,246.76	1/4	995.24	1/4	746.02	1/4	497.82	1/4	245.55	1/4	7.55	1/4		1/4		1/4		1/4	
1/2	1,241.52	1/2	990.00	1/2	740.94	1/2	492.56	1/2	240.30	1/2	6.68	1/2		1/2		1/2		1/2	
3/4	1,236.28	3/4	984.77	3/4	735.85	3/4	487.31	3/4	235.04	3/4	5.81	3/4		3/4		3/4		3/4	
8	1,231.04	8	979.53	8	730.77	8	482.05	8	229.79	8	4.93	8		8		8		8	
1/4	1,225.80	1/4	974.29	1/4	725.68	1/4	476.80	1/4	224.53	1/4	4.06	1/4		1/4		1/4		1/4	
1/2	1,220.56	1/2	969.05	1/2	720.60	1/2	471.54	1/2	219.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,215.32	3/4	963.81	3/4	715.51	3/4	466.29	3/4	214.02	3/4		3/4		3/4		3/4		3/4	
9	1,210.08	9	958.57	9	710.43	9	461.03	9	208.76	9		9		9		9		9	
1/4	1,204.84	1/4	953.33	1/4	705.34	1/4	455.77	1/4	203.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,199.60	1/2	948.09	1/2	700.26	1/2	450.52	1/2	198.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,194.36	3/4	942.85	3/4	695.17	3/4	445.26	3/4	193.00	3/4		3/4		3/4		3/4		3/4	
10	1,189.12	10	937.61	10	690.09	10	440.01	10	187.74	10		10		10		10		10	
1/4	1,183.88	1/4	932.37	1/4	685.01	1/4	434.75	1/4	182.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,178.64	1/2	927.13	1/2	679.92	1/2	429.50	1/2	177.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,173.40	3/4	921.89	3/4	674.84	3/4	424.24	3/4	171.98	3/4		3/4		3/4		3/4		3/4	
11	1,168.16	11	916.65	11	669.75	11	418.99	11	166.72	11		11		11		11		11	
1/4	1,162.92	1/4	911.41	1/4	664.67	1/4	413.73	1/4	161.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,157.68	1/2	906.17	1/2	659.57	1/2	408.47	1/2	156.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,152.44	3/4	900.93	3/4	654.47	3/4	403.22	3/4	150.95	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/29/2019 SW
CALCULATED: 01/30/2019 CL
PRINTED: 01/30/2019 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pasland, Texas 77568
http://www.pmta.com.net



BARGE "SMS 112"

2 CENTER ULLAGE TABLE

GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS																			
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	3,737.08	0	3,462.33	0	3,187.57	0	2,912.82	0	2,638.07	0	2,363.32	0	2,088.57	0	1,813.81	0	1,539.06
1/4	1/4	1/4	3,731.35	1/4	3,456.60	1/4	3,181.85	1/4	2,907.10	1/4	2,632.35	1/4	2,357.60	1/4	2,082.85	1/4	1,808.09	1/4	1,533.34
1/2	1/2	1/2	3,725.63	1/2	3,450.88	1/2	3,176.13	1/2	2,901.37	1/2	2,626.62	1/2	2,351.87	1/2	2,077.12	1/2	1,802.37	1/2	1,527.62
3/4	3/4	3/4	3,719.91	3/4	3,445.15	3/4	3,170.40	3/4	2,895.65	3/4	2,620.90	3/4	2,346.15	3/4	2,071.39	3/4	1,796.64	3/4	1,522.89
1	1	1	3,714.18	1	3,439.43	1	3,164.68	1	2,890.93	1	2,616.17	1	2,341.43	1	2,066.68	1	1,791.92	1	1,518.13
1/4	1/4	1/4	3,708.46	1/4	3,433.71	1/4	3,158.96	1/4	2,885.20	1/4	2,609.45	1/4	2,335.70	1/4	2,060.95	1/4	1,786.19	1/4	1,512.44
1/2	1/2	1/2	3,702.73	1/2	3,428.98	1/2	3,153.23	1/2	2,879.48	1/2	2,603.73	1/2	2,329.97	1/2	2,056.22	1/2	1,781.47	1/2	1,508.70
3/4	3/4	3/4	3,697.01	3/4	3,424.26	3/4	3,147.51	3/4	2,874.75	3/4	2,599.90	3/4	2,326.25	3/4	2,051.50	3/4	1,776.75	3/4	1,504.95
2	2	2	3,691.29	2	3,416.53	2	3,141.78	2	2,867.03	2	2,592.28	2	2,317.53	2	2,042.77	2	1,771.00	2	1,501.20
1/4	1/4	1/4	3,685.56	1/4	3,410.81	1/4	3,136.06	1/4	2,861.31	1/4	2,586.55	1/4	2,311.80	1/4	2,037.05	1/4	1,766.57	1/4	1,497.82
1/2	1/2	1/2	3,679.84	1/2	3,405.09	1/2	3,130.33	1/2	2,855.58	1/2	2,580.83	1/2	2,306.08	1/2	2,031.33	1/2	1,761.82	1/2	1,494.07
3/4	3/4	3/4	3,674.11	3/4	3,399.36	3/4	3,124.61	3/4	2,849.86	3/4	2,575.11	3/4	2,301.35	3/4	2,026.60	3/4	1,757.07	3/4	1,490.32
3	3	3	3,668.39	3	3,393.64	3	3,118.89	3	2,844.13	3	2,569.38	3	2,294.63	3	2,021.88	3	1,752.33	3	1,486.57
1/4	1/4	1/4	3,662.67	1/4	3,387.91	1/4	3,113.16	1/4	2,838.41	1/4	2,563.66	1/4	2,288.91	1/4	2,017.13	1/4	1,747.38	1/4	1,482.82
1/2	1/2	1/2	3,656.94	1/2	3,382.19	1/2	3,107.44	1/2	2,832.69	1/2	2,557.93	1/2	2,283.18	1/2	2,008.43	1/2	1,733.68	1/2	1,479.07
3/4	3/4	3/4	3,651.22	3/4	3,376.47	3/4	3,101.71	3/4	2,826.96	3/4	2,552.21	3/4	2,277.46	3/4	2,002.77	3/4	1,727.95	3/4	1,475.32
4	4	4	3,645.49	4	3,370.74	4	3,095.99	4	2,821.24	4	2,546.49	4	2,271.73	4	1,991.26	4	1,722.23	4	1,471.57
1/4	1/4	1/4	3,639.77	1/4	3,365.02	1/4	3,090.27	1/4	2,815.51	1/4	2,540.76	1/4	2,266.01	1/4	1,991.26	1/4	1,716.51	1/4	1,467.82
1/2	1/2	1/2	3,634.05	1/2	3,359.29	1/2	3,084.54	1/2	2,809.79	1/2	2,535.04	1/2	2,260.29	1/2	1,986.53	1/2	1,710.78	1/2	1,464.07
3/4	3/4	3/4	3,628.32	3/4	3,353.57	3/4	3,078.82	3/4	2,804.07	3/4	2,529.31	3/4	2,255.56	3/4	1,981.81	3/4	1,705.06	3/4	1,460.32
5	5	5	3,622.60	5	3,347.85	5	3,073.09	5	2,798.34	5	2,523.59	5	2,248.84	5	1,974.09	5	1,689.33	5	1,456.57
1/4	1/4	1/4	3,616.87	1/4	3,342.12	1/4	3,067.37	1/4	2,792.62	1/4	2,517.87	1/4	2,243.11	1/4	1,968.36	1/4	1,683.61	1/4	1,452.82
1/2	1/2	1/2	3,611.15	1/2	3,336.40	1/2	3,061.65	1/2	2,786.89	1/2	2,512.14	1/2	2,237.39	1/2	1,962.64	1/2	1,687.89	1/2	1,449.07
3/4	3/4	3/4	3,605.43	3/4	3,330.67	3/4	3,055.92	3/4	2,781.17	3/4	2,506.42	3/4	2,231.67	3/4	1,956.91	3/4	1,682.16	3/4	1,445.32
6	6	6	3,599.70	6	3,324.95	6	3,050.20	6	2,775.45	6	2,500.69	6	2,225.94	6	1,951.19	6	1,676.44	6	1,441.57
1/4	1/4	1/4	3,593.98	1/4	3,319.23	1/4	3,044.47	1/4	2,769.72	1/4	2,494.97	1/4	2,220.22	1/4	1,945.47	1/4	1,670.71	1/4	1,437.82
1/2	1/2	1/2	3,588.25	1/2	3,313.50	1/2	3,038.75	1/2	2,764.00	1/2	2,489.25	1/2	2,214.92	1/2	1,939.74	1/2	1,665.99	1/2	1,434.07
3/4	3/4	3/4	3,582.53	3/4	3,307.78	3/4	3,033.03	3/4	2,758.27	3/4	2,483.52	3/4	2,208.77	3/4	1,934.02	3/4	1,659.27	3/4	1,430.32
7	7	7	3,576.81	7	3,302.05	7	3,027.30	7	2,752.55	7	2,477.80	7	2,203.05	7	1,928.29	7	1,653.54	7	1,426.57
1/4	1/4	1/4	3,571.08	1/4	3,296.33	1/4	3,021.58	1/4	2,746.83	1/4	2,472.07	1/4	2,197.32	1/4	1,922.57	1/4	1,647.82	1/4	1,422.82
1/2	1/2	1/2	3,565.36	1/2	3,290.61	1/2	3,015.85	1/2	2,741.10	1/2	2,466.35	1/2	2,191.60	1/2	1,916.85	1/2	1,642.09	1/2	1,419.07
3/4	3/4	3/4	3,559.63	3/4	3,284.88	3/4	3,010.13	3/4	2,735.38	3/4	2,460.63	3/4	2,185.87	3/4	1,911.12	3/4	1,636.37	3/4	1,415.32
8	8	8	3,553.91	8	3,279.16	8	3,004.41	8	2,729.65	8	2,454.90	8	2,180.15	8	1,905.40	8	1,630.65	8	1,411.57
1/4	1/4	1/4	3,548.19	1/4	3,273.43	1/4	2,998.68	1/4	2,723.93	1/4	2,449.18	1/4	2,174.43	1/4	1,899.67	1/4	1,624.92	1/4	1,407.82
1/2	1/2	1/2	3,542.46	1/2	3,267.71	1/2	2,992.96	1/2	2,718.21	1/2	2,443.45	1/2	2,168.70	1/2	1,893.95	1/2	1,619.20	1/2	1,404.07
3/4	3/4	3/4	3,536.74	3/4	3,261.99	3/4	2,987.23	3/4	2,712.48	3/4	2,437.73	3/4	2,162.98	3/4	1,888.23	3/4	1,613.47	3/4	1,400.32
9	9	9	3,531.01	9	3,256.26	9	2,981.51	9	2,706.76	9	2,432.01	9	2,157.25	9	1,882.50	9	1,607.75	9	1,396.57
1/4	1/4	1/4	3,525.29	1/4	3,250.54	1/4	2,975.79	1/4	2,701.03	1/4	2,426.28	1/4	2,151.53	1/4	1,876.78	1/4	1,602.03	1/4	1,392.82
1/2	1/2	1/2	3,519.57	1/2	3,244.81	1/2	2,970.06	1/2	2,695.31	1/2	2,420.56	1/2	2,145.81	1/2	1,871.05	1/2	1,586.30	1/2	1,389.07
3/4	3/4	3/4	3,513.84	3/4	3,239.09	3/4	2,964.34	3/4	2,689.59	3/4	2,414.83	3/4	2,140.08	3/4	1,865.33	3/4	1,580.58	3/4	1,385.32
10	10	10	3,508.12	10	3,233.37	10	2,958.61	10	2,683.86	10	2,409.11	10	2,134.36	10	1,859.61	10	1,584.85	10	1,381.57
1/4	1/4	1/4	3,502.39	1/4	3,227.64	1/4	2,952.89	1/4	2,678.14	1/4	2,403.39	1/4	2,128.63	1/4	1,853.88	1/4	1,579.13	1/4	1,377.82
1/2	1/2	1/2	3,496.67	1/2	3,221.92	1/2	2,947.17	1/2	2,672.41	1/2	2,397.66	1/2	2,122.91	1/2	1,848.16	1/2	1,573.41	1/2	1,374.07
3/4	3/4	3/4	3,490.95	3/4	3,216.19	3/4	2,941.44	3/4	2,666.69	3/4	2,391.94	3/4	2,117.19	3/4	1,842.43	3/4	1,567.68	3/4	1,370.32
11	11	11	3,485.22	11	3,210.47	11	2,935.72	11	2,660.97	11	2,386.21	11	2,111.46	11	1,836.71	11	1,561.96	11	1,366.57
1/4	1/4	1/4	3,479.50	1/4	3,204.75	1/4	2,929.99	1/4	2,655.24	1/4	2,380.49	1/4	2,105.74	1/4	1,830.99	1/4	1,556.23	1/4	1,362.82
1/2	1/2	1/2	3,473.77	1/2	3,199.02	1/2	2,924.27	1/2	2,649.52	1/2	2,374.77	1/2	2,100.01	1/2	1,825.26	1/2	1,550.51	1/2	1,359.07
3/4	3/4	3/4	3,468.05	3/4	3,193.30	3/4	2,918.55	3/4	2,643.79	3/4	2,369.04	3/4	2,094.29	3/4	1,819.54	3/4	1,544.79	3/4	1,355.32

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD

Paul J. Harn
P.O. Box 2092
Pearland, Texas 77588
http://www.pma-inc.net

PRECISION MEASUREMENT
& ANALYSIS, INC.



BARGE "SMS 112"

2 CENTER
ULLAGE TABLE

GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS																				CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY																			
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.																				
0	1,539.06	0	1,264.31	0	989.56	0	720.29	0	446.91	0	172.16	0		0		0		0																					
1/4	1,533.34	1/4	1,258.59	1/4	983.83	1/4	714.74	1/4	441.18	1/4	166.44	1/4		1/4		1/4		1/4																					
1/2	1,527.61	1/2	1,252.86	1/2	978.11	1/2	709.19	1/2	435.46	1/2	160.72	1/2		1/2		1/2		1/2																					
3/4	1,521.89	3/4	1,247.14	3/4	972.39	3/4	703.64	3/4	429.73	3/4	154.99	3/4		3/4		3/4		3/4																					
1	1,516.17	1	1,241.41	1	966.66	1	698.08	1	424.01	1	149.27	1		1		1		1																					
1/4	1,510.44	1/4	1,235.69	1/4	960.94	1/4	692.53	1/4	418.29	1/4	143.54	1/4		1/4		1/4		1/4																					
1/2	1,504.72	1/2	1,229.97	1/2	955.21	1/2	686.97	1/2	412.56	1/2	137.82	1/2		1/2		1/2		1/2																					
3/4	1,498.99	3/4	1,224.24	3/4	949.49	3/4	681.41	3/4	406.84	3/4	132.10	3/4		3/4		3/4		3/4																					
2	1,493.27	2	1,218.52	2	943.77	2	675.86	2	401.11	2	126.37	2		2		2		2																					
1/4	1,487.55	1/4	1,212.79	1/4	938.04	1/4	670.13	1/4	395.39	1/4	120.65	1/4		1/4		1/4		1/4																					
1/2	1,481.82	1/2	1,207.07	1/2	932.32	1/2	664.41	1/2	389.67	1/2	114.92	1/2		1/2		1/2		1/2																					
3/4	1,476.10	3/4	1,201.35	3/4	926.59	3/4	658.69	3/4	383.94	3/4	109.20	3/4		3/4		3/4		3/4																					
3	1,470.37	3	1,195.62	3	920.87	3	652.96	3	378.22	3	103.48	3		3		3		3																					
1/4	1,464.65	1/4	1,189.90	1/4	915.15	1/4	647.24	1/4	372.50	1/4	97.76	1/4		1/4		1/4		1/4																					
1/2	1,458.93	1/2	1,184.17	1/2	909.42	1/2	641.51	1/2	366.77	1/2	92.03	1/2		1/2		1/2		1/2																					
3/4	1,453.20	3/4	1,178.45	3/4	903.70	3/4	635.79	3/4	361.05	3/4	86.31	3/4		3/4		3/4		3/4																					
4	1,447.48	4	1,172.73	4	897.97	4	630.07	4	355.32	4	80.59	4		4		4		4																					
1/4	1,441.75	1/4	1,167.00	1/4	892.42	1/4	624.34	1/4	349.60	1/4	74.88	1/4		1/4		1/4		1/4																					
1/2	1,436.03	1/2	1,161.28	1/2	886.86	1/2	618.62	1/2	343.88	1/2	69.17	1/2		1/2		1/2		1/2																					
3/4	1,430.31	3/4	1,155.55	3/4	881.30	3/4	612.90	3/4	338.15	3/4	63.46	3/4		3/4		3/4		3/4																					
5	1,424.58	5	1,149.83	5	875.75	5	607.17	5	332.43	5	57.75	5		5		5		5																					
1/4	1,418.86	1/4	1,144.11	1/4	870.20	1/4	601.45	1/4	326.71	1/4	52.08	1/4		1/4		1/4		1/4																					
1/2	1,413.13	1/2	1,138.38	1/2	864.64	1/2	595.72	1/2	320.98	1/2	46.40	1/2		1/2		1/2		1/2																					
3/4	1,407.41	3/4	1,132.66	3/4	859.09	3/4	590.00	3/4	315.26	3/4	40.73	3/4		3/4		3/4		3/4																					
6	1,401.69	6	1,126.93	6	853.54	6	584.28	6	309.53	6	35.05	6		6		6		6																					
1/4	1,395.96	1/4	1,121.21	1/4	847.99	1/4	578.55	1/4	303.81	1/4	30.29	1/4		1/4		1/4		1/4																					
1/2	1,390.24	1/2	1,115.49	1/2	842.44	1/2	572.83	1/2	298.09	1/2	25.52	1/2		1/2		1/2		1/2																					
3/4	1,384.51	3/4	1,109.76	3/4	836.88	3/4	567.10	3/4	292.36	3/4	20.75	3/4		3/4		3/4		3/4																					
7	1,378.79	7	1,104.04	7	831.33	7	561.38	7	286.64	7	15.98	7		7		7		7																					
1/4	1,373.07	1/4	1,098.31	1/4	825.78	1/4	555.66	1/4	280.91	1/4	13.12	1/4		1/4		1/4		1/4																					
1/2	1,367.34	1/2	1,092.59	1/2	820.23	1/2	549.93	1/2	275.19	1/2	10.26	1/2		1/2		1/2		1/2																					
3/4	1,361.62	3/4	1,086.87	3/4	814.68	3/4	544.21	3/4	269.47	3/4	7.40	3/4		3/4		3/4		3/4																					
8	1,355.89	8	1,081.14	8	809.12	8	538.49	8	263.74	8	4.54	8		8		8		8																					
1/4	1,350.17	1/4	1,075.42	1/4	803.57	1/4	532.76	1/4	258.02	1/4	3.59	1/4		1/4		1/4		1/4																					
1/2	1,344.45	1/2	1,069.69	1/2	798.02	1/2	527.04	1/2	252.30	1/2	2.64	1/2		1/2		1/2		1/2																					
3/4	1,338.72	3/4	1,063.97	3/4	792.47	3/4	521.31	3/4	246.57	3/4	1.68	3/4		3/4		3/4		3/4																					
9	1,333.00	9	1,058.25	9	786.92	9	515.59	9	240.85	9	0.73	9		9		9		9																					
1/4	1,327.27	1/4	1,052.52	1/4	781.36	1/4	509.87	1/4	235.12	1/4		1/4		1/4		1/4		1/4																					
1/2	1,321.55	1/2	1,046.80	1/2	775.81	1/2	504.14	1/2	229.40	1/2		1/2		1/2		1/2		1/2																					
3/4	1,315.83	3/4	1,041.07	3/4	770.26	3/4	498.42	3/4	223.68	3/4		3/4		3/4		3/4		3/4																					
10	1,310.10	10	1,035.35	10	764.71	10	492.70	10	217.95	10		10		10		10		10																					
1/4	1,304.38	1/4	1,029.63	1/4	759.16	1/4	486.97	1/4	212.23	1/4		1/4		1/4		1/4		1/4																					
1/2	1,298.65	1/2	1,023.90	1/2	753.60	1/2	481.25	1/2	206.51	1/2		1/2		1/2		1/2		1/2																					
3/4	1,292.93	3/4	1,018.18	3/4	748.05	3/4	475.52	3/4	200.78	3/4		3/4		3/4		3/4		3/4																					
11	1,287.21	11	1,012.45	11	742.50	11	469.80	11	195.06	11		11		11		11		11																					
1/4	1,281.48	1/4	1,006.73	1/4	736.95	1/4	464.08	1/4	189.33	1/4		1/4		1/4		1/4		1/4																					
1/2	1,275.76	1/2	1,001.01	1/2	731.40	1/2	458.35	1/2	183.61	1/2		1/2		1/2		1/2		1/2																					
3/4	1,270.03	3/4	995.28	3/4	725.84	3/4	452.63	3/4	177.89	3/4		3/4		3/4		3/4		3/4																					

STRAPPED: 01/29/2019 SW
CALCULATED: 01/30/2019 CL
PRINTED: 01/30/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmacorp.net

Joe Pearson



BARGE "SMS 112"

3 CENTER ULLAGE TABLE

GAUGE HEIGHT 15'-08 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS											
0 FT.											
IN	0	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.
0	0	0	3,277.69	0	3,036.01	0	2,794.34	0	2,552.66	0	2,310.98
1/4	3,483.88	1/4	3,267.65	1/4	3,030.98	1/4	2,789.30	1/4	2,547.63	1/4	2,305.95
1/2	3,483.05	1/2	3,267.62	1/2	3,025.94	1/2	2,784.27	1/2	2,542.59	1/2	2,300.92
3/4	3,482.21	3/4	3,267.58	3/4	3,020.91	3/4	2,779.23	3/4	2,537.56	3/4	2,295.88
1	3,481.37	1	3,257.55	1	3,015.87	1	2,774.20	1	2,532.52	1	2,290.85
1/4	3,480.53	1/4	3,252.51	1/4	3,010.84	1/4	2,769.16	1/4	2,527.49	1/4	2,285.81
1/2	3,478.02	1/2	3,247.48	1/2	3,005.80	1/2	2,764.13	1/2	2,522.45	1/2	2,280.78
3/4	3,475.50	3/4	3,242.44	3/4	3,000.77	3/4	2,759.09	3/4	2,517.42	3/4	2,275.74
2	3,472.98	2	3,237.41	2	2,995.73	2	2,754.06	2	2,512.38	2	2,270.71
1/4	3,470.47	1/4	3,232.37	1/4	2,990.70	1/4	2,749.02	1/4	2,507.35	1/4	2,265.67
1/2	3,468.27	1/2	3,227.34	1/2	2,985.66	1/2	2,743.99	1/2	2,502.31	1/2	2,260.64
3/4	3,462.08	3/4	3,222.30	3/4	2,980.63	3/4	2,738.95	3/4	2,497.28	3/4	2,255.60
3	3,457.89	3	3,217.27	3	2,975.59	3	2,733.92	3	2,492.24	3	2,250.57
1/4	3,453.69	1/4	3,212.23	1/4	2,970.56	1/4	2,728.88	1/4	2,487.21	1/4	2,245.53
1/2	3,448.70	1/2	3,207.20	1/2	2,965.52	1/2	2,723.85	1/2	2,482.17	1/2	2,240.50
3/4	3,443.71	3/4	3,202.16	3/4	2,960.49	3/4	2,718.81	3/4	2,477.14	3/4	2,235.46
4	3,438.72	4	3,197.13	4	2,955.45	4	2,713.78	4	2,472.10	4	2,230.43
1/4	3,433.73	1/4	3,192.09	1/4	2,950.42	1/4	2,708.74	1/4	2,467.07	1/4	2,225.39
1/2	3,428.74	1/2	3,187.06	1/2	2,945.38	1/2	2,703.71	1/2	2,462.03	1/2	2,220.36
3/4	3,423.68	3/4	3,182.02	3/4	2,940.35	3/4	2,698.67	3/4	2,456.99	3/4	2,215.32
5	3,418.66	5	3,176.99	5	2,935.31	5	2,693.64	5	2,451.96	5	2,210.29
1/4	3,413.64	1/4	3,171.95	1/4	2,930.28	1/4	2,688.60	1/4	2,446.93	1/4	2,205.25
1/2	3,408.60	1/2	3,166.92	1/2	2,925.24	1/2	2,683.57	1/2	2,441.89	1/2	2,200.22
3/4	3,403.56	3/4	3,161.88	3/4	2,920.21	3/4	2,678.53	3/4	2,436.86	3/4	2,195.18
6	3,398.53	6	3,156.85	6	2,915.17	6	2,673.50	6	2,431.82	6	2,190.15
1/4	3,393.49	1/4	3,151.81	1/4	2,910.14	1/4	2,668.46	1/4	2,426.79	1/4	2,185.11
1/2	3,388.45	1/2	3,146.78	1/2	2,905.10	1/2	2,663.43	1/2	2,421.75	1/2	2,180.08
3/4	3,383.42	3/4	3,141.74	3/4	2,900.07	3/4	2,658.39	3/4	2,416.72	3/4	2,175.04
7	3,378.38	7	3,136.71	7	2,895.03	7	2,653.36	7	2,411.68	7	2,170.01
1/4	3,373.35	1/4	3,131.67	1/4	2,890.00	1/4	2,648.32	1/4	2,406.65	1/4	2,164.97
1/2	3,368.31	1/2	3,126.64	1/2	2,884.96	1/2	2,643.29	1/2	2,401.61	1/2	2,159.94
3/4	3,363.28	3/4	3,121.60	3/4	2,879.93	3/4	2,638.25	3/4	2,396.58	3/4	2,154.90
8	3,358.24	8	3,116.57	8	2,874.89	8	2,633.22	8	2,391.54	8	2,149.87
1/4	3,353.21	1/4	3,111.53	1/4	2,869.86	1/4	2,628.18	1/4	2,386.51	1/4	2,144.83
1/2	3,348.17	1/2	3,106.50	1/2	2,864.82	1/2	2,623.15	1/2	2,381.47	1/2	2,139.80
3/4	3,343.14	3/4	3,101.46	3/4	2,859.79	3/4	2,618.11	3/4	2,376.44	3/4	2,134.76
9	3,338.10	9	3,096.43	9	2,854.75	9	2,613.08	9	2,371.40	9	2,129.73
1/4	3,333.07	1/4	3,091.39	1/4	2,849.72	1/4	2,608.04	1/4	2,366.37	1/4	2,124.69
1/2	3,328.03	1/2	3,086.36	1/2	2,844.68	1/2	2,603.01	1/2	2,361.33	1/2	2,119.66
3/4	3,323.00	3/4	3,081.32	3/4	2,839.65	3/4	2,597.97	3/4	2,356.30	3/4	2,114.62
10	3,317.96	10	3,076.29	10	2,834.61	10	2,592.94	10	2,351.26	10	2,109.59
1/4	3,312.93	1/4	3,071.25	1/4	2,829.58	1/4	2,587.90	1/4	2,346.23	1/4	2,104.55
1/2	3,307.90	1/2	3,066.22	1/2	2,824.54	1/2	2,582.87	1/2	2,341.19	1/2	2,099.52
3/4	3,302.86	3/4	3,061.18	3/4	2,819.51	3/4	2,577.83	3/4	2,336.16	3/4	2,094.48
11	3,297.83	11	3,056.15	11	2,814.47	11	2,572.80	11	2,331.12	11	2,089.45
1/4	3,292.79	1/4	3,051.12	1/4	2,809.44	1/4	2,567.76	1/4	2,326.09	1/4	2,084.41
1/2	3,287.76	1/2	3,046.08	1/2	2,804.41	1/2	2,562.73	1/2	2,321.05	1/2	2,079.38
3/4	3,282.72	3/4	3,041.05	3/4	2,799.37	3/4	2,557.69	3/4	2,316.02	3/4	2,074.34

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2052
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<http://www.pma-inc.net>



BARGE "SMS 112"

3 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,344.28	0	1,102.61	0	860.93	0	619.70	0	378.08	0	136.42	0	0	0	0	0	0	0	0
1/4	1,339.25	1/4	1,097.57	1/4	855.90	1/4	614.68	1/4	373.05	1/4	131.38	1/4	0	0	0	0	0	0	0
1/2	1,334.21	1/2	1,092.54	1/2	850.86	1/2	609.65	1/2	368.01	1/2	126.35	1/2	0	0	0	0	0	0	0
3/4	1,329.18	3/4	1,087.50	3/4	845.83	3/4	604.63	3/4	362.98	3/4	121.31	3/4	0	0	0	0	0	0	0
1	1,324.14	1	1,082.47	1	840.79	1	599.60	1	357.94	1	116.28	1	0	0	0	0	0	0	0
1/4	1,319.11	1/4	1,077.43	1/4	835.76	1/4	594.58	1/4	352.91	1/4	111.24	1/4	0	0	0	0	0	0	0
1/2	1,314.07	1/2	1,072.40	1/2	830.72	1/2	589.54	1/2	347.87	1/2	106.21	1/2	0	0	0	0	0	0	0
3/4	1,309.04	3/4	1,067.36	3/4	825.69	3/4	584.51	3/4	342.84	3/4	101.17	3/4	0	0	0	0	0	0	0
2	1,304.00	2	1,062.33	2	820.65	2	579.47	2	337.81	2	96.14	2	0	0	0	0	0	0	0
1/4	1,298.97	1/4	1,057.29	1/4	815.62	1/4	574.44	1/4	332.77	1/4	91.11	1/4	0	0	0	0	0	0	0
1/2	1,293.94	1/2	1,052.26	1/2	810.58	1/2	569.40	1/2	327.74	1/2	86.07	1/2	0	0	0	0	0	0	0
3/4	1,288.90	3/4	1,047.22	3/4	805.55	3/4	564.37	3/4	322.70	3/4	81.04	3/4	0	0	0	0	0	0	0
1	1,283.87	1	1,042.19	1	800.51	1	559.33	1	317.67	1	76.01	1	0	0	0	0	0	0	0
1/4	1,278.83	1/4	1,037.16	1/4	795.48	1/4	554.30	1/4	312.63	1/4	70.97	1/4	0	0	0	0	0	0	0
1/2	1,273.80	1/2	1,032.12	1/2	790.45	1/2	549.26	1/2	307.60	1/2	65.95	1/2	0	0	0	0	0	0	0
3/4	1,268.76	3/4	1,027.09	3/4	785.43	3/4	544.23	3/4	302.56	3/4	60.93	3/4	0	0	0	0	0	0	0
4	1,263.73	4	1,022.05	4	780.40	4	539.19	4	297.53	4	55.91	4	0	0	0	0	0	0	0
1/4	1,258.69	1/4	1,017.02	1/4	775.37	1/4	534.16	1/4	292.49	1/4	50.88	1/4	0	0	0	0	0	0	0
1/2	1,253.66	1/2	1,011.98	1/2	770.35	1/2	529.12	1/2	287.46	1/2	45.89	1/2	0	0	0	0	0	0	0
3/4	1,248.62	3/4	1,006.95	3/4	765.33	3/4	524.09	3/4	282.42	3/4	40.90	3/4	0	0	0	0	0	0	0
5	1,243.55	5	1,001.91	5	760.31	5	519.05	5	277.39	5	35.91	5	0	0	0	0	0	0	0
1/4	1,238.55	1/4	996.88	1/4	755.29	1/4	514.02	1/4	272.35	1/4	30.92	1/4	0	0	0	0	0	0	0
1/2	1,233.52	1/2	991.84	1/2	750.27	1/2	508.99	1/2	267.32	1/2	26.73	1/2	0	0	0	0	0	0	0
3/4	1,228.48	3/4	986.81	3/4	745.24	3/4	503.96	3/4	262.28	3/4	22.53	3/4	0	0	0	0	0	0	0
6	1,223.45	6	981.77	6	740.22	6	498.92	6	257.25	6	18.34	6	0	0	0	0	0	0	0
1/4	1,218.41	1/4	976.74	1/4	735.20	1/4	493.88	1/4	252.22	1/4	14.15	1/4	0	0	0	0	0	0	0
1/2	1,213.38	1/2	971.70	1/2	730.18	1/2	488.85	1/2	247.18	1/2	11.53	1/2	0	0	0	0	0	0	0
3/4	1,208.34	3/4	966.67	3/4	725.16	3/4	483.81	3/4	242.15	3/4	9.11	3/4	0	0	0	0	0	0	0
7	1,203.31	7	961.63	7	720.14	7	478.78	7	237.11	7	6.60	7	0	0	0	0	0	0	0
1/4	1,198.27	1/4	956.60	1/4	715.11	1/4	473.74	1/4	232.08	1/4	4.08	1/4	0	0	0	0	0	0	0
1/2	1,193.24	1/2	951.56	1/2	710.09	1/2	468.71	1/2	227.04	1/2	3.24	1/2	0	0	0	0	0	0	0
3/4	1,188.20	3/4	946.53	3/4	705.07	3/4	463.67	3/4	222.01	3/4	2.40	3/4	0	0	0	0	0	0	0
8	1,183.17	8	941.49	8	700.05	8	458.64	8	216.97	8	1.57	8	0	0	0	0	0	0	0
1/4	1,178.13	1/4	936.46	1/4	695.03	1/4	453.60	1/4	211.94	1/4	0.73	1/4	0	0	0	0	0	0	0
1/2	1,173.10	1/2	931.42	1/2	690.01	1/2	448.57	1/2	206.90	1/2	0	1/2	0	0	0	0	0	0	0
3/4	1,168.06	3/4	926.39	3/4	684.98	3/4	443.53	3/4	201.87	3/4	0	3/4	0	0	0	0	0	0	0
9	1,163.03	9	921.35	9	679.96	9	438.50	9	196.83	9	0	9	0	0	0	0	0	0	0
1/4	1,157.99	1/4	916.32	1/4	674.94	1/4	433.46	1/4	191.80	1/4	0	1/4	0	0	0	0	0	0	0
1/2	1,152.96	1/2	911.28	1/2	669.92	1/2	428.43	1/2	186.76	1/2	0	1/2	0	0	0	0	0	0	0
3/4	1,147.92	3/4	906.25	3/4	664.90	3/4	423.40	3/4	181.73	3/4	0	3/4	0	0	0	0	0	0	0
10	1,142.89	10	901.21	10	659.88	10	418.36	10	176.70	10	0	10	0	0	0	0	0	0	0
1/4	1,137.85	1/4	896.18	1/4	654.85	1/4	413.33	1/4	171.66	1/4	0	1/4	0	0	0	0	0	0	0
1/2	1,132.82	1/2	891.14	1/2	649.83	1/2	408.29	1/2	166.63	1/2	0	1/2	0	0	0	0	0	0	0
3/4	1,127.78	3/4	886.11	3/4	644.81	3/4	403.26	3/4	161.59	3/4	0	3/4	0	0	0	0	0	0	0
11	1,122.75	11	881.07	11	639.79	11	398.22	11	156.56	11	0	11	0	0	0	0	0	0	0
1/4	1,117.71	1/4	876.04	1/4	634.77	1/4	393.19	1/4	151.52	1/4	0	1/4	0	0	0	0	0	0	0
1/2	1,112.68	1/2	871.00	1/2	629.75	1/2	388.15	1/2	146.49	1/2	0	1/2	0	0	0	0	0	0	0
3/4	1,107.64	3/4	865.97	3/4	624.72	3/4	383.12	3/4	141.45	3/4	0	3/4	0	0	0	0	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/29/2019 SW
CALCULATED: 01/30/2019 CL
PRINTED: 01/30/2019 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019



BARGE: SMS 112

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 CENTER	00-1/4	-00-1/4	00-1/2	-00-1/2	00-5/8	-00-5/8	00-7/8	-00-7/8	01-1/8	-01-1/8	01-3/8	-01-3/8
2 CENTER	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/4	00-1/4	-00-3/8	00-3/8	-00-3/8	00-3/8	-00-1/2	00-1/2
3 CENTER	00-1/8	-00-1/8	00-3/8	-00-3/8	00-1/2	-00-1/2	00-5/8	-00-5/8	00-7/8	-00-7/8	01-0/8	-01-0/8

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

LENGTH BETWEEN DRAFT MARKS: 163'-09"

January 30, 2019



BARGE "SMS 112"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

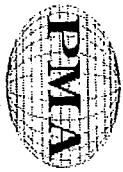
GAUGE HEIGHT 15'-08 1/4"

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	4.06	0	224.53	0	476.80	0	725.68	0	974.29	0	1,225.80	0	1,477.32	0	1,728.73	0	1,979.64	0	2,231.22
1/4	4.93	1/4	229.79	1/4	482.05	1/4	730.77	1/4	979.53	1/4	1,231.04	1/4	1,482.56	1/4	1,733.95	1/4	1,984.88	1/4	2,236.46
1/2	5.81	1/2	235.04	1/2	487.31	1/2	735.85	1/2	984.77	1/2	1,236.28	1/2	1,487.80	1/2	1,739.18	1/2	1,990.12	1/2	2,241.70
3/4	6.68	3/4	240.30	3/4	492.56	3/4	740.94	3/4	990.01	3/4	1,241.52	3/4	1,493.04	3/4	1,744.44	3/4	1,995.36	3/4	2,246.95
1	7.55	1	245.55	1	497.82	1	746.02	1	995.24	1	1,246.76	1	1,498.28	1	1,749.63	1	2,000.60	1	2,252.19
1 1/4	10.18	1 1/4	250.81	1 1/4	503.07	1 1/4	751.11	1 1/4	1,000.48	1 1/4	1,252.00	1 1/4	1,503.52	1 1/4	1,754.85	1 1/4	2,005.65	1 1/4	2,257.43
1 1/2	12.81	1 1/2	256.07	1 1/2	508.33	1 1/2	756.19	1 1/2	1,005.72	1 1/2	1,257.24	1 1/2	1,508.76	1 1/2	1,760.08	1 1/2	2,011.09	1 1/2	2,262.67
1 3/4	15.44	1 3/4	261.32	1 3/4	513.58	1 3/4	761.27	1 3/4	1,010.96	1 3/4	1,262.48	1 3/4	1,514.00	1 3/4	1,765.30	1 3/4	2,016.33	1 3/4	2,267.91
2	18.06	2	266.58	2	518.84	2	766.36	2	1,016.20	2	1,267.72	2	1,519.23	2	1,770.52	2	2,021.57	2	2,273.15
2 1/4	22.44	2 1/4	271.83	2 1/4	524.10	2 1/4	771.44	2 1/4	1,021.44	2 1/4	1,272.96	2 1/4	1,524.47	2 1/4	1,775.75	2 1/4	2,026.81	2 1/4	2,278.39
2 1/2	26.82	2 1/2	277.09	2 1/2	529.35	2 1/2	776.53	2 1/2	1,026.68	2 1/2	1,278.20	2 1/2	1,529.71	2 1/2	1,780.97	2 1/2	2,032.45	2 1/2	2,283.63
2 3/4	31.19	2 3/4	282.34	2 3/4	534.61	2 3/4	781.61	2 3/4	1,031.92	2 3/4	1,283.44	2 3/4	1,534.94	2 3/4	1,786.20	2 3/4	2,037.29	2 3/4	2,288.88
3	35.57	3	287.60	3	539.86	3	786.70	3	1,037.16	3	1,288.68	3	1,540.18	3	1,791.42	3	2,042.53	3	2,294.12
3 1/4	40.78	3 1/4	292.85	3 1/4	545.12	3 1/4	791.80	3 1/4	1,042.40	3 1/4	1,293.92	3 1/4	1,545.42	3 1/4	1,796.65	3 1/4	2,047.78	3 1/4	2,299.36
3 1/2	45.99	3 1/2	298.11	3 1/2	550.37	3 1/2	796.91	3 1/2	1,047.64	3 1/2	1,299.16	3 1/2	1,550.65	3 1/2	1,801.87	3 1/2	2,053.02	3 1/2	2,304.60
3 3/4	51.20	3 3/4	303.36	3 3/4	555.63	3 3/4	802.02	3 3/4	1,052.88	3 3/4	1,304.40	3 3/4	1,555.89	3 3/4	1,807.10	3 3/4	2,058.26	3 3/4	2,309.84
4	56.41	4	308.62	4	560.88	4	807.13	4	1,058.12	4	1,309.64	4	1,561.13	4	1,812.32	4	2,063.50	4	2,315.08
4 1/4	61.65	4 1/4	313.88	4 1/4	566.14	4 1/4	812.24	4 1/4	1,063.36	4 1/4	1,314.88	4 1/4	1,566.36	4 1/4	1,817.55	4 1/4	2,068.74	4 1/4	2,320.32
4 1/2	66.90	4 1/2	319.13	4 1/2	571.40	4 1/2	817.35	4 1/2	1,068.60	4 1/2	1,320.12	4 1/2	1,571.60	4 1/2	1,822.77	4 1/2	2,073.98	4 1/2	2,325.56
4 3/4	72.14	4 3/4	324.39	4 3/4	576.65	4 3/4	822.46	4 3/4	1,073.84	4 3/4	1,325.36	4 3/4	1,576.83	4 3/4	1,827.99	4 3/4	2,079.22	4 3/4	2,330.81
5	77.38	5	329.64	5	581.91	5	827.57	5	1,079.08	5	1,330.60	5	1,582.07	5	1,833.22	5	2,084.46	5	2,336.05
5 1/4	82.64	5 1/4	334.90	5 1/4	587.15	5 1/4	832.81	5 1/4	1,084.32	5 1/4	1,335.84	5 1/4	1,587.31	5 1/4	1,838.44	5 1/4	2,089.71	5 1/4	2,341.29
5 1/2	87.89	5 1/2	340.15	5 1/2	592.40	5 1/2	838.05	5 1/2	1,089.56	5 1/2	1,341.08	5 1/2	1,592.54	5 1/2	1,843.67	5 1/2	2,094.95	5 1/2	2,346.53
5 3/4	93.14	5 3/4	345.41	5 3/4	597.65	5 3/4	843.29	5 3/4	1,094.80	5 3/4	1,346.32	5 3/4	1,597.78	5 3/4	1,848.89	5 3/4	2,100.19	5 3/4	2,351.77
6	98.40	6	350.66	6	602.89	6	848.53	6	1,100.04	6	1,351.56	6	1,603.02	6	1,854.12	6	2,105.43	6	2,357.01
6 1/4	103.65	6 1/4	355.92	6 1/4	608.14	6 1/4	853.77	6 1/4	1,105.28	6 1/4	1,356.80	6 1/4	1,608.25	6 1/4	1,859.34	6 1/4	2,110.67	6 1/4	2,362.25
6 1/2	108.91	6 1/2	361.18	6 1/2	613.39	6 1/2	859.01	6 1/2	1,110.52	6 1/2	1,362.04	6 1/2	1,613.49	6 1/2	1,864.57	6 1/2	2,115.91	6 1/2	2,367.50
6 3/4	114.16	6 3/4	366.43	6 3/4	618.64	6 3/4	864.25	6 3/4	1,115.76	6 3/4	1,367.28	6 3/4	1,618.72	6 3/4	1,869.79	6 3/4	2,121.15	6 3/4	2,372.74
7	119.42	7	371.69	7	623.88	7	869.49	7	1,121.00	7	1,372.52	7	1,623.96	7	1,875.01	7	2,126.40	7	2,377.98
7 1/4	124.67	7 1/4	376.94	7 1/4	628.98	7 1/4	874.73	7 1/4	1,126.24	7 1/4	1,377.76	7 1/4	1,629.20	7 1/4	1,880.24	7 1/4	2,131.64	7 1/4	2,383.21
7 1/2	129.93	7 1/2	382.20	7 1/2	634.08	7 1/2	879.97	7 1/2	1,131.48	7 1/2	1,383.00	7 1/2	1,634.43	7 1/2	1,885.46	7 1/2	2,136.88	7 1/2	2,388.45
7 3/4	135.19	7 3/4	387.45	7 3/4	639.18	7 3/4	885.21	7 3/4	1,136.72	7 3/4	1,388.24	7 3/4	1,639.67	7 3/4	1,890.69	7 3/4	2,142.12	7 3/4	2,393.69
8	140.44	8	392.71	8	644.28	8	890.45	8	1,141.96	8	1,393.48	8	1,644.91	8	1,895.91	8	2,147.36	8	2,398.92
8 1/4	145.70	8 1/4	397.96	8 1/4	649.38	8 1/4	895.69	8 1/4	1,147.20	8 1/4	1,398.72	8 1/4	1,650.15	8 1/4	1,901.14	8 1/4	2,152.60	8 1/4	2,404.16
8 1/2	150.95	8 1/2	403.22	8 1/2	654.47	8 1/2	900.93	8 1/2	1,152.44	8 1/2	1,403.96	8 1/2	1,655.38	8 1/2	1,906.36	8 1/2	2,157.84	8 1/2	2,409.39
8 3/4	156.21	8 3/4	408.47	8 3/4	659.57	8 3/4	906.17	8 3/4	1,157.68	8 3/4	1,409.20	8 3/4	1,660.62	8 3/4	1,911.59	8 3/4	2,163.08	8 3/4	2,414.63
9	161.46	9	413.73	9	664.67	9	911.41	9	1,162.92	9	1,414.44	9	1,665.86	9	1,916.81	9	2,168.33	9	2,419.87
9 1/4	166.72	9 1/4	418.99	9 1/4	669.75	9 1/4	916.65	9 1/4	1,168.16	9 1/4	1,419.68	9 1/4	1,671.10	9 1/4	1,922.04	9 1/4	2,173.57	9 1/4	2,425.10
9 1/2	171.98	9 1/2	424.24	9 1/2	674.84	9 1/2	921.89	9 1/2	1,173.40	9 1/2	1,424.92	9 1/2	1,676.34	9 1/2	1,927.26	9 1/2	2,178.81	9 1/2	2,430.34
9 3/4	177.23	9 3/4	429.50	9 3/4	679.92	9 3/4	927.13	9 3/4	1,178.64	9 3/4	1,430.16	9 3/4	1,681.58	9 3/4	1,932.48	9 3/4	2,184.05	9 3/4	2,435.57
10	182.49	10	434.75	10	685.01	10	932.37	10	1,183.88	10	1,435.40	10	1,686.82	10	1,937.71	10	2,189.29	10	2,440.81
10 1/4	187.74	10 1/4	440.01	10 1/4	690.09	10 1/4	937.61	10 1/4	1,189.12	10 1/4	1,440.64	10 1/4	1,692.06	10 1/4	1,942.95	10 1/4	2,194.53	10 1/4	2,446.05
10 1/2	193.00	10 1/2	445.26	10 1/2	695.17	10 1/2	942.85	10 1/2	1,194.36	10 1/2	1,445.88	10 1/2	1,697.30	10 1/2	1,948.19	10 1/2	2,199.77	10 1/2	2,451.28
10 3/4	198.25	10 3/4	450.52	10 3/4	700.26	10 3/4	948.09	10 3/4	1,199.60	10 3/4	1,451.12	10 3/4	1,702.53	10 3/4	1,953.43	10 3/4	2,205.01	10 3/4	2,456.52
11	203.51	11	455.77	11	705.34	11	953.33	11	1,204.84	11	1,456.36	11	1,707.77	11	1,958.67	11	2,210.26	11	2,461.76
11 1/4	208.77	11 1/4	461.03	11 1/4	710.43	11 1/4	958.57	11 1/4	1,210.08	11 1/4	1,461.60	11 1/4	1,713.01	11 1/4	1,963.92	11 1/4	2,215.50	11 1/4	2,466.99
11 1/2	214.02	11 1/2	466.29	11 1/2	715.51	11 1/2	963.81	11 1/2	1,215.32	11 1/2	1,466.84	11 1/2	1,718.25	11 1/2	1,969.16	11 1/2	2,220.74	11 1/2	2,472.23
11 3/4	219.28	11 3/4	471.54	11 3/4	720.60	11 3/4	969.05	11 3/4	1,220.56	11 3/4	1,472.08	11 3/4	1,723.49	11 3/4	1,974.40	11 3/4	2,225.98	11 3/4	2,477.46

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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P.O. Box 2092
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BARGE "SMS 112"

1 CENTER
INNAGE TABLE

GAUGE HEIGHT 15'-08 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,482.70	0	2,715.37	0	2,930.73	0	3,146.08	0	3,361.43	0		0		0		0		0	
1/4	2,487.94	1/4	2,719.86	1/4	2,935.21	1/4	3,150.56	1/4	3,365.92	1/4		1/4		1/4		1/4		1/4	
1/2	2,493.17	1/2	2,724.35	1/2	2,939.70	1/2	3,155.05	1/2	3,370.40	1/2		1/2		1/2		1/2		1/2	
3/4	2,498.41	3/4	2,728.83	3/4	2,944.18	3/4	3,159.54	3/4	3,374.89	3/4		3/4		3/4		3/4		3/4	
1	2,503.64	1	2,733.32	1	2,948.67	1	3,164.02	1	3,379.38	1		1		1		1		1	
1/4	2,508.88	1/4	2,737.81	1/4	2,953.16	1/4	3,168.51	1/4	3,383.86	1/4		1/4		1/4		1/4		1/4	
1/2	2,514.12	1/2	2,742.29	1/2	2,957.64	1/2	3,173.00	1/2	3,388.35	1/2		1/2		1/2		1/2		1/2	
3/4	2,519.35	3/4	2,746.78	3/4	2,962.13	3/4	3,177.48	3/4	3,392.83	3/4		3/4		3/4		3/4		3/4	
2	2,524.59	2	2,751.27	2	2,966.62	2	3,181.97	2	3,397.32	2		2		2		2		2	
1/4	2,529.82	1/4	2,755.75	1/4	2,971.10	1/4	3,186.46	1/4	3,401.81	1/4		1/4		1/4		1/4		1/4	
1/2	2,535.06	1/2	2,760.24	1/2	2,975.59	1/2	3,190.94	1/2	3,406.30	1/2		1/2		1/2		1/2		1/2	
3/4	2,540.30	3/4	2,764.72	3/4	2,980.08	3/4	3,195.43	3/4	3,410.79	3/4		3/4		3/4		3/4		3/4	
3	2,545.53	3	2,769.21	3	2,984.56	3	3,199.92	3	3,415.27	3		3		3		3		3	
1/4	2,550.77	1/4	2,773.70	1/4	2,989.05	1/4	3,204.40	1/4	3,419.75	1/4		1/4		1/4		1/4		1/4	
1/2	2,556.01	1/2	2,778.18	1/2	2,993.54	1/2	3,208.89	1/2	3,424.22	1/2		1/2		1/2		1/2		1/2	
3/4	2,561.24	3/4	2,782.67	3/4	2,998.02	3/4	3,213.37	3/4	3,428.69	3/4		3/4		3/4		3/4		3/4	
4	2,566.48	4	2,787.16	4	3,002.51	4	3,217.86	4	3,433.17	4		4		4		4		4	
1/4	2,571.70	1/4	2,791.64	1/4	3,007.00	1/4	3,222.35	1/4	3,437.61	1/4		1/4		1/4		1/4		1/4	
1/2	2,576.92	1/2	2,796.13	1/2	3,011.48	1/2	3,226.83	1/2	3,442.05	1/2		1/2		1/2		1/2		1/2	
3/4	2,582.14	3/4	2,800.62	3/4	3,015.97	3/4	3,231.32	3/4	3,446.49	3/4		3/4		3/4		3/4		3/4	
5	2,587.36	5	2,805.10	5	3,020.46	5	3,235.81	5	3,450.93	5		5		5		5		5	
1/4	2,592.58	1/4	2,809.59	1/4	3,024.94	1/4	3,240.29	1/4	3,455.31	1/4		1/4		1/4		1/4		1/4	
1/2	2,597.80	1/2	2,814.08	1/2	3,029.43	1/2	3,244.78	1/2	3,459.69	1/2		1/2		1/2		1/2		1/2	
3/4	2,603.03	3/4	2,818.56	3/4	3,033.91	3/4	3,249.27	3/4	3,464.06	3/4		3/4		3/4		3/4		3/4	
6	2,608.25	6	2,823.05	6	3,038.40	6	3,253.75	6	3,468.44	6		6		6		6		6	
1/4	2,612.70	1/4	2,827.54	1/4	3,042.89	1/4	3,258.24	1/4	3,471.07	1/4		1/4		1/4		1/4		1/4	
1/2	2,617.15	1/2	2,832.02	1/2	3,047.37	1/2	3,262.73	1/2	3,473.70	1/2		1/2		1/2		1/2		1/2	
3/4	2,621.60	3/4	2,836.51	3/4	3,051.86	3/4	3,267.21	3/4	3,476.32	3/4		3/4		3/4		3/4		3/4	
7	2,626.05	7	2,841.00	7	3,056.35	7	3,271.70	7	3,478.95	7		7		7		7		7	
1/4	2,630.51	1/4	2,845.48	1/4	3,060.83	1/4	3,276.19	1/4	3,479.82	1/4		1/4		1/4		1/4		1/4	
1/2	2,634.96	1/2	2,849.97	1/2	3,065.32	1/2	3,280.67	1/2	3,480.70	1/2		1/2		1/2		1/2		1/2	
3/4	2,639.41	3/4	2,854.45	3/4	3,069.81	3/4	3,285.16	3/4	3,481.57	3/4		3/4		3/4		3/4		3/4	
8	2,643.86	8	2,858.94	8	3,074.29	8	3,289.65	8	3,482.45	8		8		8		8		8	
1/4	2,648.32	1/4	2,863.43	1/4	3,078.78	1/4	3,294.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,652.77	1/2	2,867.91	1/2	3,083.27	1/2	3,298.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,657.22	3/4	2,872.40	3/4	3,087.75	3/4	3,303.10	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,661.67	9	2,876.89	9	3,092.24	9	3,307.59	9		9		9		9		9		9	
1/4	2,666.12	1/4	2,881.37	1/4	3,096.73	1/4	3,312.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,670.58	1/2	2,885.86	1/2	3,101.21	1/2	3,316.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,675.03	3/4	2,890.35	3/4	3,105.70	3/4	3,321.05	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,679.48	10	2,894.83	10	3,110.19	10	3,325.54	10		10		10		10		10		10	
1/4	2,683.97	1/4	2,899.32	1/4	3,114.67	1/4	3,330.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,688.45	1/2	2,903.81	1/2	3,119.16	1/2	3,334.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,692.94	3/4	2,908.29	3/4	3,123.64	3/4	3,339.00	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,697.43	11	2,912.78	11	3,128.13	11	3,343.48	11		11		11		11		11		11	
1/4	2,701.91	1/4	2,917.27	1/4	3,132.62	1/4	3,347.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,706.40	1/2	2,921.75	1/2	3,137.10	1/2	3,352.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,710.89	3/4	2,926.24	3/4	3,141.59	3/4	3,356.94	3/4		3/4		3/4		3/4		3/4		3/4	

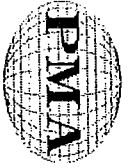
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/29/2019 SW
CALCULATED: 01/30/2019 CL
PRINTED: 01/30/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

PRECISION MEASUREMENT
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BARGE "SMS 112"

2 CENTER INNAGE TABLE

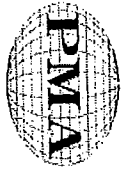
GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS											
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.
0	0.73	0	240.85	0	515.59	0	786.92	0	1,056.25	0	1,333.00
1/4	1.68	1/4	246.57	1/4	521.31	1/4	792.47	1/4	1,063.97	1/4	1,338.72
1/2	2.64	1/2	252.30	1/2	527.04	1/2	798.02	1/2	1,069.69	1/2	1,344.45
3/4	3.59	3/4	258.02	3/4	532.76	3/4	803.57	3/4	1,075.42	3/4	1,350.17
1	4.54	1	263.74	1	538.49	1	809.12	1	1,081.14	1	1,355.89
1/4	7.40	1/4	269.47	1/4	544.21	1/4	814.68	1/4	1,086.87	1/4	1,361.62
1/2	10.26	1/2	275.19	1/2	549.93	1/2	820.23	1/2	1,092.59	1/2	1,367.34
3/4	13.12	3/4	280.92	3/4	555.66	3/4	825.78	3/4	1,098.31	3/4	1,373.07
2	15.98	2	286.64	2	561.38	2	831.33	2	1,104.04	2	1,378.79
1/4	20.75	1/4	292.36	1/4	567.10	1/4	836.88	1/4	1,109.76	1/4	1,384.51
1/2	25.52	1/2	298.09	1/2	572.83	1/2	842.44	1/2	1,115.49	1/2	1,390.24
3/4	30.29	3/4	303.81	3/4	578.55	3/4	847.99	3/4	1,121.21	3/4	1,395.96
3	35.05	3	309.53	3	584.28	3	853.54	3	1,126.93	3	1,401.69
1/4	40.73	1/4	315.26	1/4	590.00	1/4	859.09	1/4	1,132.66	1/4	1,407.41
1/2	46.40	1/2	320.98	1/2	595.72	1/2	864.64	1/2	1,138.38	1/2	1,413.13
3/4	52.08	3/4	326.71	3/4	601.45	3/4	870.20	3/4	1,144.11	3/4	1,418.86
4	57.75	4	332.43	4	607.17	4	875.75	4	1,149.83	4	1,424.58
1/4	63.46	1/4	338.15	1/4	612.90	1/4	881.30	1/4	1,155.56	1/4	1,430.31
1/2	69.17	1/2	343.88	1/2	618.62	1/2	886.86	1/2	1,161.28	1/2	1,436.03
3/4	74.88	3/4	349.60	3/4	624.34	3/4	892.42	3/4	1,167.00	3/4	1,441.75
5	80.59	5	355.32	5	630.07	5	897.97	5	1,172.73	5	1,447.48
1/4	86.31	1/4	361.05	1/4	635.79	1/4	903.70	1/4	1,178.45	1/4	1,453.20
1/2	92.03	1/2	366.77	1/2	641.51	1/2	909.42	1/2	1,184.17	1/2	1,458.93
3/4	97.76	3/4	372.50	3/4	647.24	3/4	915.15	3/4	1,189.90	3/4	1,464.65
6	103.48	6	378.22	6	652.96	6	920.87	6	1,195.62	6	1,470.37
1/4	109.20	1/4	383.94	1/4	658.69	1/4	926.59	1/4	1,201.35	1/4	1,476.10
1/2	114.92	1/2	389.67	1/2	664.41	1/2	932.32	1/2	1,207.07	1/2	1,481.82
3/4	120.65	3/4	395.39	3/4	670.13	3/4	938.04	3/4	1,212.79	3/4	1,487.55
7	126.37	7	401.11	7	675.86	7	943.77	7	1,218.52	7	1,493.27
1/4	132.10	1/4	406.84	1/4	681.41	1/4	949.49	1/4	1,224.24	1/4	1,498.99
1/2	137.82	1/2	412.56	1/2	686.97	1/2	955.21	1/2	1,229.97	1/2	1,504.72
3/4	143.54	3/4	418.29	3/4	692.53	3/4	960.94	3/4	1,235.69	3/4	1,510.44
8	149.27	8	424.01	8	698.08	8	966.66	8	1,241.41	8	1,516.17
1/4	154.99	1/4	429.73	1/4	703.64	1/4	972.39	1/4	1,247.14	1/4	1,521.89
1/2	160.72	1/2	435.46	1/2	709.19	1/2	978.11	1/2	1,252.86	1/2	1,527.61
3/4	166.44	3/4	441.18	3/4	714.74	3/4	983.83	3/4	1,258.59	3/4	1,533.34
9	172.16	9	446.91	9	720.29	9	989.56	9	1,264.31	9	1,539.06
1/4	177.89	1/4	452.63	1/4	725.84	1/4	995.28	1/4	1,270.03	1/4	1,544.79
1/2	183.61	1/2	458.35	1/2	731.40	1/2	1,001.01	1/2	1,275.76	1/2	1,550.51
3/4	189.33	3/4	464.08	3/4	736.95	3/4	1,006.73	3/4	1,281.48	3/4	1,556.23
10	195.06	10	469.80	10	742.50	10	1,012.45	10	1,287.21	10	1,561.96
1/4	200.78	1/4	475.52	1/4	748.05	1/4	1,018.18	1/4	1,292.93	1/4	1,567.68
1/2	206.51	1/2	481.25	1/2	753.60	1/2	1,023.90	1/2	1,298.65	1/2	1,573.41
3/4	212.23	3/4	486.97	3/4	759.16	3/4	1,029.63	3/4	1,304.38	3/4	1,579.13
11	217.95	11	492.70	11	764.71	11	1,035.35	11	1,310.10	11	1,584.85
1/4	223.68	1/4	498.42	1/4	770.26	1/4	1,041.07	1/4	1,315.83	1/4	1,590.58
1/2	229.40	1/2	504.14	1/2	775.81	1/2	1,046.80	1/2	1,321.55	1/2	1,596.30
3/4	235.12	3/4	509.87	3/4	781.36	3/4	1,052.52	3/4	1,327.27	3/4	1,602.03

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "SMS 112"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,706.76	0	2,981.51	0	3,256.26	0	3,531.01	0	3,805.77	0		0		0		0		0	
1/4	2,712.48	1/4	2,987.23	1/4	3,261.99	1/4	3,536.74	1/4	3,811.49	1/4		1/4		1/4		1/4		1/4	
1/2	2,718.21	1/2	2,992.96	1/2	3,267.71	1/2	3,542.46	1/2	3,817.21	1/2		1/2		1/2		1/2		1/2	
3/4	2,723.93	3/4	2,998.68	3/4	3,273.43	3/4	3,548.19	3/4	3,822.94	3/4		3/4		3/4		3/4		3/4	
1	2,729.65	1	3,004.41	1	3,279.16	1	3,553.91	1	3,828.66	1		1		1		1		1	
1/4	2,735.38	1/4	3,010.13	1/4	3,284.88	1/4	3,559.63	1/4	3,834.39	1/4		1/4		1/4		1/4		1/4	
1/2	2,741.10	1/2	3,015.85	1/2	3,290.61	1/2	3,565.36	1/2	3,840.11	1/2		1/2		1/2		1/2		1/2	
3/4	2,746.83	3/4	3,021.58	3/4	3,296.33	3/4	3,571.08	3/4	3,845.83	3/4		3/4		3/4		3/4		3/4	
2	2,752.55	2	3,027.30	2	3,302.05	2	3,576.81	2	3,851.56	2		2		2		2		2	
1/4	2,758.27	1/4	3,033.03	1/4	3,307.78	1/4	3,582.53	1/4	3,857.29	1/4		1/4		1/4		1/4		1/4	
1/2	2,764.00	1/2	3,038.75	1/2	3,313.50	1/2	3,588.25	1/2	3,863.01	1/2		1/2		1/2		1/2		1/2	
3/4	2,769.72	3/4	3,044.47	3/4	3,319.23	3/4	3,593.98	3/4	3,868.74	3/4		3/4		3/4		3/4		3/4	
3	2,775.45	3	3,050.20	3	3,324.95	3	3,599.70	3	3,874.47	3		3		3		3		3	
1/4	2,781.17	1/4	3,055.92	1/4	3,330.67	1/4	3,605.43	1/4	3,880.18	1/4		1/4		1/4		1/4		1/4	
1/2	2,786.89	1/2	3,061.65	1/2	3,336.40	1/2	3,611.15	1/2	3,885.89	1/2		1/2		1/2		1/2		1/2	
3/4	2,792.62	3/4	3,067.37	3/4	3,342.12	3/4	3,616.87	3/4	3,891.60	3/4		3/4		3/4		3/4		3/4	
4	2,798.34	4	3,073.09	4	3,347.85	4	3,622.60	4	3,897.31	4		4		4		4		4	
1/4	2,804.07	1/4	3,078.82	1/4	3,353.57	1/4	3,628.32	1/4	3,902.98	1/4		1/4		1/4		1/4		1/4	
1/2	2,809.79	1/2	3,084.54	1/2	3,359.29	1/2	3,634.05	1/2	3,908.66	1/2		1/2		1/2		1/2		1/2	
3/4	2,815.51	3/4	3,090.27	3/4	3,365.02	3/4	3,639.77	3/4	3,914.33	3/4		3/4		3/4		3/4		3/4	
5	2,821.24	5	3,095.99	5	3,370.74	5	3,645.49	5	3,920.01	5		5		5		5		5	
1/4	2,826.96	1/4	3,101.71	1/4	3,376.47	1/4	3,651.22	1/4	3,924.78	1/4		1/4		1/4		1/4		1/4	
1/2	2,832.69	1/2	3,107.44	1/2	3,382.19	1/2	3,656.94	1/2	3,929.54	1/2		1/2		1/2		1/2		1/2	
3/4	2,838.41	3/4	3,113.16	3/4	3,387.91	3/4	3,662.67	3/4	3,934.31	3/4		3/4		3/4		3/4		3/4	
6	2,844.13	6	3,118.89	6	3,393.64	6	3,668.39	6	3,939.08	6		6		6		6		6	
1/4	2,849.86	1/4	3,124.61	1/4	3,399.36	1/4	3,674.11	1/4	3,944.80	1/4		1/4		1/4		1/4		1/4	
1/2	2,855.58	1/2	3,130.33	1/2	3,405.09	1/2	3,679.84	1/2	3,949.54	1/2		1/2		1/2		1/2		1/2	
3/4	2,861.31	3/4	3,136.06	3/4	3,410.81	3/4	3,685.56	3/4	3,954.28	3/4		3/4		3/4		3/4		3/4	
7	2,867.03	7	3,141.78	7	3,416.53	7	3,691.29	7	3,959.01	7		7		7		7		7	
1/4	2,872.75	1/4	3,147.51	1/4	3,422.26	1/4	3,697.01	1/4	3,964.74	1/4		1/4		1/4		1/4		1/4	
1/2	2,878.48	1/2	3,153.23	1/2	3,427.98	1/2	3,702.73	1/2	3,969.48	1/2		1/2		1/2		1/2		1/2	
3/4	2,884.20	3/4	3,158.95	3/4	3,433.71	3/4	3,708.46	3/4	3,974.21	3/4		3/4		3/4		3/4		3/4	
8	2,889.93	8	3,164.68	8	3,439.43	8	3,714.18	8	3,979.94	8		8		8		8		8	
1/4	2,895.65	1/4	3,170.40	1/4	3,445.15	1/4	3,719.91	1/4	3,985.67	1/4		1/4		1/4		1/4		1/4	
1/2	2,901.37	1/2	3,176.13	1/2	3,450.88	1/2	3,725.63	1/2	3,991.40	1/2		1/2		1/2		1/2		1/2	
3/4	2,907.10	3/4	3,181.85	3/4	3,456.60	3/4	3,731.35	3/4	3,997.13	3/4		3/4		3/4		3/4		3/4	
9	2,912.82	9	3,187.57	9	3,462.33	9	3,737.08	9	3,999.94	9		9		9		9		9	
1/4	2,918.55	1/4	3,193.30	1/4	3,468.05	1/4	3,742.80	1/4	3,999.94	1/4		1/4		1/4		1/4		1/4	
1/2	2,924.27	1/2	3,199.02	1/2	3,473.77	1/2	3,748.53	1/2	3,999.94	1/2		1/2		1/2		1/2		1/2	
3/4	2,929.99	3/4	3,204.75	3/4	3,479.50	3/4	3,754.25	3/4	3,999.94	3/4		3/4		3/4		3/4		3/4	
10	2,935.72	10	3,210.47	10	3,485.22	10	3,759.97	10	3,999.94	10		10		10		10		10	
1/4	2,941.44	1/4	3,216.19	1/4	3,490.95	1/4	3,765.70	1/4	3,999.94	1/4		1/4		1/4		1/4		1/4	
1/2	2,947.17	1/2	3,221.92	1/2	3,496.67	1/2	3,771.42	1/2	3,999.94	1/2		1/2		1/2		1/2		1/2	
3/4	2,952.89	3/4	3,227.64	3/4	3,502.39	3/4	3,777.15	3/4	3,999.94	3/4		3/4		3/4		3/4		3/4	
11	2,958.61	11	3,233.37	11	3,508.12	11	3,782.87	11	3,999.94	11		11		11		11		11	
1/4	2,964.34	1/4	3,239.09	1/4	3,513.84	1/4	3,788.59	1/4	3,999.94	1/4		1/4		1/4		1/4		1/4	
1/2	2,970.06	1/2	3,244.81	1/2	3,519.57	1/2	3,794.32	1/2	3,999.94	1/2		1/2		1/2		1/2		1/2	
3/4	2,975.79	3/4	3,250.54	3/4	3,525.29	3/4	3,800.04	3/4	3,999.94	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/29/2019 SW
CALCULATED: 01/30/2019 CL
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CANCELS AND SUPERCENDES
ALL PRIOR TO 01/2019

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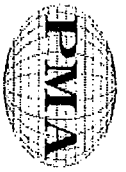


BARGE "SMS 112"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS																								GAUGE HEIGHT 15'-08 1/4"											
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.																	
IN	0	IN	1	IN	2	IN	3	IN	4	IN	5	IN	6	IN	7	IN	8	IN	9																
0	0.73	0	211.94	0	453.60	0	695.03	0	936.46	0	1,178.13	0	1,419.81	0	1,661.48	0	1,903.16	0	2,144.83																
1/4	1.57	1/4	216.97	1/4	458.64	1/4	700.05	1/4	941.49	1/4	1,183.17	1/4	1,424.84	1/4	1,666.52	1/4	1,908.19	1/4	2,149.87																
1/2	2.41	1/2	222.01	1/2	463.67	1/2	705.07	1/2	946.53	1/2	1,188.20	1/2	1,429.88	1/2	1,671.55	1/2	1,913.23	1/2	2,154.90																
3/4	3.24	3/4	227.04	3/4	468.71	3/4	710.09	3/4	951.56	3/4	1,193.24	3/4	1,434.91	3/4	1,676.59	3/4	1,918.26	3/4	2,159.94																
1	4.08	1	232.08	1	473.74	1	715.11	1	956.60	1	1,198.27	1	1,439.95	1	1,681.62	1	1,923.30	1	2,164.97																
1 1/4	6.60	1 1/4	237.11	1 1/4	478.78	1 1/4	720.14	1 1/4	961.63	1 1/4	1,203.31	1 1/4	1,444.98	1 1/4	1,686.66	1 1/4	1,928.33	1 1/4	2,170.01																
1 1/2	9.11	1 1/2	242.15	1 1/2	483.81	1 1/2	725.16	1 1/2	966.67	1 1/2	1,208.34	1 1/2	1,450.02	1 1/2	1,691.69	1 1/2	1,933.37	1 1/2	2,175.04																
3/4	11.63	3/4	247.18	3/4	488.85	3/4	730.18	3/4	971.70	3/4	1,213.38	3/4	1,455.05	3/4	1,696.73	3/4	1,938.40	3/4	2,180.08																
2	14.15	2	252.22	2	493.88	2	735.20	2	976.74	2	1,218.41	2	1,460.09	2	1,701.76	2	1,943.44	2	2,185.11																
2 1/4	18.34	2 1/4	257.25	2 1/4	498.92	2 1/4	740.22	2 1/4	981.77	2 1/4	1,223.45	2 1/4	1,465.12	2 1/4	1,706.80	2 1/4	1,948.47	2 1/4	2,190.15																
2 1/2	22.53	2 1/2	262.29	2 1/2	503.95	2 1/2	745.24	2 1/2	986.81	2 1/2	1,228.48	2 1/2	1,470.16	2 1/2	1,711.83	2 1/2	1,954.51	2 1/2	2,195.18																
3/4	26.73	3/4	267.32	3/4	508.99	3/4	750.27	3/4	991.84	3/4	1,233.52	3/4	1,475.19	3/4	1,716.87	3/4	1,958.54	3/4	2,200.22																
3	30.92	3	272.35	3	514.02	3	755.29	3	996.88	3	1,238.55	3	1,480.23	3	1,721.90	3	1,963.58	3	2,205.25																
3 1/4	35.91	3 1/4	277.39	3 1/4	519.05	3 1/4	760.31	3 1/4	1,001.91	3 1/4	1,243.59	3 1/4	1,485.26	3 1/4	1,726.94	3 1/4	1,968.61	3 1/4	2,210.29																
3 1/2	40.90	3 1/2	282.42	3 1/2	524.09	3 1/2	765.33	3 1/2	1,006.95	3 1/2	1,248.62	3 1/2	1,490.30	3 1/2	1,731.97	3 1/2	1,973.65	3 1/2	2,215.32																
4	45.89	4	287.46	4	529.12	4	770.35	4	1,011.98	4	1,253.66	4	1,495.33	4	1,737.01	4	1,978.68	4	2,220.36																
4 1/4	50.88	4 1/4	292.49	4 1/4	534.16	4 1/4	775.37	4 1/4	1,017.02	4 1/4	1,258.69	4 1/4	1,500.37	4 1/4	1,742.04	4 1/4	1,983.72	4 1/4	2,225.39																
4 1/2	55.91	4 1/2	297.53	4 1/2	539.19	4 1/2	780.40	4 1/2	1,022.05	4 1/2	1,263.73	4 1/2	1,505.40	4 1/2	1,747.08	4 1/2	1,988.75	4 1/2	2,230.43																
5	60.93	5	302.56	5	544.23	5	785.43	5	1,027.09	5	1,268.76	5	1,510.44	5	1,752.11	5	1,993.79	5	2,235.46																
5 1/4	65.95	5 1/4	307.60	5 1/4	549.26	5 1/4	790.46	5 1/4	1,032.12	5 1/4	1,273.80	5 1/4	1,515.47	5 1/4	1,757.15	5 1/4	1,998.82	5 1/4	2,240.50																
5 1/2	70.97	5 1/2	312.63	5 1/2	554.30	5 1/2	795.48	5 1/2	1,037.16	5 1/2	1,278.83	5 1/2	1,520.51	5 1/2	1,762.18	5 1/2	2,003.86	5 1/2	2,245.53																
6	76.01	6	317.67	6	559.33	6	800.51	6	1,042.19	6	1,283.87	6	1,525.54	6	1,767.22	6	2,008.89	6	2,250.57																
6 1/4	81.04	6 1/4	322.70	6 1/4	564.37	6 1/4	805.55	6 1/4	1,047.23	6 1/4	1,288.90	6 1/4	1,530.58	6 1/4	1,772.25	6 1/4	2,013.93	6 1/4	2,255.60																
6 1/2	86.07	6 1/2	327.74	6 1/2	569.40	6 1/2	810.58	6 1/2	1,052.26	6 1/2	1,293.94	6 1/2	1,535.61	6 1/2	1,777.29	6 1/2	2,018.96	6 1/2	2,260.64																
7	91.11	7	332.77	7	574.44	7	815.62	7	1,057.29	7	1,298.97	7	1,540.65	7	1,782.32	7	2,024.00	7	2,265.67																
7 1/4	96.14	7 1/4	337.81	7 1/4	579.47	7 1/4	820.65	7 1/4	1,062.33	7 1/4	1,304.00	7 1/4	1,545.68	7 1/4	1,787.36	7 1/4	2,029.03	7 1/4	2,270.71																
7 1/2	101.17	7 1/2	342.84	7 1/2	584.51	7 1/2	825.69	7 1/2	1,067.36	7 1/2	1,309.04	7 1/2	1,550.72	7 1/2	1,792.39	7 1/2	2,034.07	7 1/2	2,275.78																
8	106.21	8	347.87	8	589.54	8	830.72	8	1,072.40	8	1,314.07	8	1,555.75	8	1,797.43	8	2,039.10	8	2,280.78																
8 1/4	111.24	8 1/4	352.91	8 1/4	594.58	8 1/4	835.76	8 1/4	1,077.43	8 1/4	1,319.11	8 1/4	1,560.78	8 1/4	1,802.46	8 1/4	2,044.14	8 1/4	2,285.81																
8 1/2	116.28	8 1/2	357.94	8 1/2	599.60	8 1/2	840.79	8 1/2	1,082.47	8 1/2	1,324.14	8 1/2	1,565.82	8 1/2	1,807.49	8 1/2	2,049.17	8 1/2	2,290.85																
9	121.31	9	362.98	9	604.63	9	845.83	9	1,087.50	9	1,329.18	9	1,570.85	9	1,812.53	9	2,054.21	9	2,295.88																
9 1/4	126.35	9 1/4	368.01	9 1/4	609.65	9 1/4	850.86	9 1/4	1,092.54	9 1/4	1,334.21	9 1/4	1,575.89	9 1/4	1,817.56	9 1/4	2,059.24	9 1/4	2,300.92																
9 1/2	131.38	9 1/2	373.05	9 1/2	614.68	9 1/2	855.90	9 1/2	1,097.57	9 1/2	1,339.25	9 1/2	1,580.92	9 1/2	1,822.60	9 1/2	2,064.27	9 1/2	2,305.95																
10	136.42	10	378.08	10	619.70	10	860.93	10	1,102.61	10	1,344.28	10	1,585.96	10	1,827.63	10	2,069.31	10	2,310.98																
10 1/4	141.45	10 1/4	383.12	10 1/4	624.72	10 1/4	865.97	10 1/4	1,107.64	10 1/4	1,349.32	10 1/4	1,590.99	10 1/4	1,832.67	10 1/4	2,074.34	10 1/4	2,316.02																
10 1/2	146.49	10 1/2	388.15	10 1/2	629.75	10 1/2	871.00	10 1/2	1,112.68	10 1/2	1,354.35	10 1/2	1,596.03	10 1/2	1,837.70	10 1/2	2,079.38	10 1/2	2,321.05																
11	151.52	11	393.22	11	634.77	11	876.04	11	1,117.71	11	1,359.39	11	1,601.06	11	1,842.74	11	2,084.41	11	2,326.09																
11 1/4	156.56	11 1/4	398.19	11 1/4	639.79	11 1/4	881.07	11 1/4	1,122.75	11 1/4	1,364.42	11 1/4	1,606.10	11 1/4	1,847.77	11 1/4	2,089.45	11 1/4	2,331.12																
11 1/2	161.59	11 1/2	403.26	11 1/2	644.81	11 1/2	886.11	11 1/2	1,127.78	11 1/2	1,369.46	11 1/2	1,611.13	11 1/2	1,852.81	11 1/2	2,094.48	11 1/2	2,336.16																
12	166.63	12	408.29	12	649.83	12	891.14	12	1,132.82	12	1,374.49	12	1,616.17	12	1,857.84	12	2,099.52	12	2,341.19																
12 1/4	171.66	12 1/4	413.33	12 1/4	654.85	12 1/4	896.18	12 1/4	1,137.85	12 1/4	1,379.53	12 1/4	1,621.20	12 1/4	1,862.88	12 1/4	2,104.55	12 1/4	2,346.23																
12 1/2	176.70	12 1/2	418.36	12 1/2	659.88	12 1/2	901.21	12 1/2	1,142.89	12 1/2	1,384.56	12 1/2	1,626.24	12 1/2	1,867.91	12 1/2	2,109.59	12 1/2	2,351.26																
13	181.73	13	423.40	13	664.90	13	906.25	13	1,147.92	13	1,389.60	13	1,631.27	13	1,872.95	13	2,114.62	13	2,356.30																
13 1/4	186.76	13 1/4	428.43	13 1/4	669.92	13 1/4	911.28	13 1/4	1,152.96	13 1/4	1,394.63	13 1/4	1,636.31	13 1/4	1,877.98	13 1/4	2,119.66	13 1/4	2,361.33																
13 1/2	191.80	13 1/2	433.46	13 1/2	674.94	13 1/2	916.32	13 1/2	1,157.99	13 1/2	1,399.67	13 1/2	1,641.34	13 1/2	1,883.02	13 1/2	2,124.69	13 1/2	2,366.37																
14	196.83	14	438.50	14	679.96	14	921.33	14	1,163.03	14	1,404.74	14	1,646.38	14	1,888.05	14	2,129.73	14	2,371.40																
14 1/4	201.87	14 1/4	443.53	14 1/4	684.98	14 1/4	926.39	14 1/4	1,168.06	14 1/4	1,409.74	14 1/4	1,651.41	14 1/4	1,893.09	14 1/4	2,134.76	14 1/4	2,376.44																
14 1/2	206.90	14 1/2	448.57	14 1/2	690.01	14 1/2	931.42	14 1/2	1,173.10	14 1/2	1,414.77	14 1/2	1,656.45	14 1/2	1,898.12	14 1/2	2,139.80	14 1/2	2,381.47																

CEMENT CHART FOR THE ABOVE WOMEN TANK ONLY



BARGE "SMS 112"

3 CENTER 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	2,386.51	0	2,628.18	0	2,869.86	0	3,111.53	0	3,353.21	0	3,594.88	0	3,836.56	0	4,078.24	0	4,319.91	0	4,561.59
1/4	2,391.54	1/4	2,633.22	1/4	2,874.89	1/4	3,116.57	1/4	3,358.24	1/4	3,600.00	1/4	3,841.77	1/4	4,083.54	1/4	4,325.31	1/4	4,567.08
1/2	2,396.58	1/2	2,638.25	1/2	2,879.93	1/2	3,121.60	1/2	3,363.28	1/2	3,605.00	1/2	3,846.77	1/2	4,088.54	1/2	4,330.31	1/2	4,572.08
3/4	2,401.61	3/4	2,643.29	3/4	2,884.96	3/4	3,126.64	3/4	3,368.31	3/4	3,610.00	3/4	3,851.77	3/4	4,093.54	3/4	4,335.31	3/4	4,577.08
1	2,406.65	1	2,648.32	1	2,890.00	1	3,131.67	1	3,373.35	1	3,615.00	1	3,856.77	1	4,098.54	1	4,340.31	1	4,582.08
1/4	2,411.68	1/4	2,653.36	1/4	2,895.03	1/4	3,136.71	1/4	3,378.38	1/4	3,620.00	1/4	3,861.77	1/4	4,103.54	1/4	4,345.31	1/4	4,587.08
1/2	2,416.72	1/2	2,658.39	1/2	2,900.07	1/2	3,141.74	1/2	3,383.42	1/2	3,625.00	1/2	3,866.77	1/2	4,108.54	1/2	4,350.31	1/2	4,592.08
3/4	2,421.75	3/4	2,663.43	3/4	2,905.10	3/4	3,146.78	3/4	3,388.45	3/4	3,630.00	3/4	3,871.77	3/4	4,113.54	3/4	4,355.31	3/4	4,597.08
2	2,426.79	2	2,668.46	2	2,910.14	2	3,151.81	2	3,393.49	2	3,635.00	2	3,876.77	2	4,118.54	2	4,360.31	2	4,602.08
1/4	2,431.82	1/4	2,673.50	1/4	2,915.17	1/4	3,156.85	1/4	3,398.53	1/4	3,640.00	1/4	3,881.77	1/4	4,123.54	1/4	4,365.31	1/4	4,607.08
1/2	2,436.86	1/2	2,678.53	1/2	2,920.21	1/2	3,161.88	1/2	3,403.56	1/2	3,645.00	1/2	3,886.77	1/2	4,128.54	1/2	4,370.31	1/2	4,612.08
3/4	2,441.89	3/4	2,683.57	3/4	2,925.24	3/4	3,166.92	3/4	3,408.60	3/4	3,650.00	3/4	3,891.77	3/4	4,133.54	3/4	4,375.31	3/4	4,617.08
3	2,446.93	3	2,688.60	3	2,930.28	3	3,171.95	3	3,413.64	3	3,655.00	3	3,896.77	3	4,138.54	3	4,380.31	3	4,622.08
1/4	2,451.96	1/4	2,693.64	1/4	2,935.31	1/4	3,176.99	1/4	3,418.66	1/4	3,660.00	1/4	3,901.77	1/4	4,143.54	1/4	4,385.31	1/4	4,627.08
1/2	2,457.00	1/2	2,698.67	1/2	2,940.35	1/2	3,182.02	1/2	3,423.68	1/2	3,665.00	1/2	3,906.77	1/2	4,148.54	1/2	4,390.31	1/2	4,632.08
3/4	2,462.03	3/4	2,703.71	3/4	2,945.38	3/4	3,187.06	3/4	3,428.71	3/4	3,670.00	3/4	3,911.77	3/4	4,153.54	3/4	4,395.31	3/4	4,637.08
4	2,467.07	4	2,708.74	4	2,950.42	4	3,192.09	4	3,433.73	4	3,675.00	4	3,916.77	4	4,158.54	4	4,399.31	4	4,642.08
1/4	2,472.10	1/4	2,713.78	1/4	2,955.45	1/4	3,197.13	1/4	3,438.72	1/4	3,680.00	1/4	3,921.77	1/4	4,163.54	1/4	4,404.31	1/4	4,647.08
1/2	2,477.14	1/2	2,718.81	1/2	2,960.49	1/2	3,202.16	1/2	3,443.71	1/2	3,685.00	1/2	3,926.77	1/2	4,168.54	1/2	4,409.31	1/2	4,652.08
3/4	2,482.17	3/4	2,723.85	3/4	2,965.52	3/4	3,207.20	3/4	3,448.70	3/4	3,690.00	3/4	3,931.77	3/4	4,173.54	3/4	4,414.31	3/4	4,657.08
5	2,487.21	5	2,728.88	5	2,970.56	5	3,212.23	5	3,453.69	5	3,695.00	5	3,936.77	5	4,178.54	5	4,419.31	5	4,662.08
1/4	2,492.24	1/4	2,733.92	1/4	2,975.59	1/4	3,217.27	1/4	3,458.68	1/4	3,700.00	1/4	3,941.77	1/4	4,183.54	1/4	4,424.31	1/4	4,667.08
1/2	2,497.28	1/2	2,738.95	1/2	2,980.63	1/2	3,222.30	1/2	3,463.67	1/2	3,705.00	1/2	3,946.77	1/2	4,188.54	1/2	4,429.31	1/2	4,672.08
3/4	2,502.31	3/4	2,743.99	3/4	2,985.66	3/4	3,227.34	3/4	3,468.66	3/4	3,710.00	3/4	3,951.77	3/4	4,193.54	3/4	4,434.31	3/4	4,677.08
6	2,507.35	6	2,749.02	6	2,990.70	6	3,232.37	6	3,473.65	6	3,715.00	6	3,956.77	6	4,198.54	6	4,439.31	6	4,682.08
1/4	2,512.38	1/4	2,754.06	1/4	2,995.73	1/4	3,237.41	1/4	3,478.64	1/4	3,720.00	1/4	3,961.77	1/4	4,203.54	1/4	4,444.31	1/4	4,687.08
1/2	2,517.42	1/2	2,759.09	1/2	3,000.77	1/2	3,242.44	1/2	3,483.63	1/2	3,725.00	1/2	3,966.77	1/2	4,208.54	1/2	4,449.31	1/2	4,692.08
3/4	2,522.45	3/4	2,764.13	3/4	3,005.80	3/4	3,247.48	3/4	3,488.62	3/4	3,730.00	3/4	3,971.77	3/4	4,213.54	3/4	4,454.31	3/4	4,697.08
7	2,527.49	7	2,769.16	7	3,010.84	7	3,252.51	7	3,493.61	7	3,735.00	7	3,976.77	7	4,218.54	7	4,459.31	7	4,702.08
1/4	2,532.52	1/4	2,774.20	1/4	3,015.87	1/4	3,257.55	1/4	3,498.60	1/4	3,740.00	1/4	3,981.77	1/4	4,223.54	1/4	4,464.31	1/4	4,707.08
1/2	2,537.56	1/2	2,779.23	1/2	3,020.91	1/2	3,262.58	1/2	3,503.59	1/2	3,745.00	1/2	3,986.77	1/2	4,228.54	1/2	4,469.31	1/2	4,712.08
3/4	2,542.59	3/4	2,784.27	3/4	3,025.94	3/4	3,267.62	3/4	3,508.58	3/4	3,750.00	3/4	3,991.77	3/4	4,233.54	3/4	4,474.31	3/4	4,717.08
8	2,547.63	8	2,789.30	8	3,030.98	8	3,272.65	8	3,513.57	8	3,755.00	8	3,996.77	8	4,238.54	8	4,479.31	8	4,722.08
1/4	2,552.66	1/4	2,794.34	1/4	3,036.01	1/4	3,277.69	1/4	3,518.56	1/4	3,760.00	1/4	3,999.77	1/4	4,243.54	1/4	4,484.31	1/4	4,727.08
1/2	2,557.70	1/2	2,799.37	1/2	3,041.05	1/2	3,282.72	1/2	3,523.55	1/2	3,765.00	1/2	4,004.77	1/2	4,248.54	1/2	4,489.31	1/2	4,732.08
3/4	2,562.73	3/4	2,804.41	3/4	3,046.08	3/4	3,287.76	3/4	3,528.54	3/4	3,770.00	3/4	4,009.77	3/4	4,253.54	3/4	4,494.31	3/4	4,737.08
9	2,567.76	9	2,809.44	9	3,051.12	9	3,292.79	9	3,533.53	9	3,775.00	9	4,014.77	9	4,258.54	9	4,499.31	9	4,742.08
1/4	2,572.80	1/4	2,814.47	1/4	3,056.15	1/4	3,297.83	1/4	3,538.52	1/4	3,780.00	1/4	4,019.77	1/4	4,263.54	1/4	4,504.31	1/4	4,747.08
1/2	2,577.83	1/2	2,819.51	1/2	3,061.19	1/2	3,302.86	1/2	3,543.51	1/2	3,785.00	1/2	4,024.77	1/2	4,268.54	1/2	4,509.31	1/2	4,752.08
3/4	2,582.87	3/4	2,824.54	3/4	3,066.22	3/4	3,307.90	3/4	3,548.50	3/4	3,790.00	3/4	4,029.77	3/4	4,273.54	3/4	4,514.31	3/4	4,757.08
10	2,587.90	10	2,829.58	10	3,071.25	10	3,312.93	10	3,553.49	10	3,795.00	10	4,034.77	10	4,278.54	10	4,519.31	10	4,762.08
1/4	2,592.94	1/4	2,834.61	1/4	3,076.29	1/4	3,317.96	1/4	3,558.48	1/4	3,800.00	1/4	4,039.77	1/4	4,283.54	1/4	4,524.31	1/4	4,767.08
1/2	2,597.97	1/2	2,839.65	1/2	3,081.32	1/2	3,322.99	1/2	3,563.47	1/2	3,805.00	1/2	4,044.77	1/2	4,288.54	1/2	4,529.31	1/2	4,772.08
3/4	2,603.01	3/4	2,844.68	3/4	3,086.36	3/4	3,328.03	3/4	3,568.46	3/4	3,810.00	3/4	4,049.77	3/4	4,293.54	3/4	4,534.31	3/4	4,777.08
11	2,608.04	11	2,849.72	11	3,091.39	11	3,333.07	11	3,573.45	11	3,815.00	11	4,054.77	11	4,298.54	11	4,539.31	11	4,782.08
1/4	2,613.08	1/4	2,854.76	1/4	3,096.43	1/4	3,338.10	1/4	3,578.44	1/4	3,820.00	1/4	4,059.77	1/4	4,303.54	1/4	4,544.31	1/4	4,787.08
1/2	2,618.11	1/2	2,859.79	1/2	3,101.46	1/2	3,343.14	1/2	3,583.43	1/2	3,825.00	1/2	4,064.77	1/2	4,308.54	1/2	4,549.31	1/2	4,792.08
3/4	2,623.15	3/4	2,864.82	3/4	3,106.50	3/4	3,348.17	3/4	3,588.42	3/4	3,830.00	3/4	4,069.77	3/4	4,313.54	3/4	4,554.31	3/4	4,797.08

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/29/2019 SW
CALCULATED: 01/30/2019 CL
PRINTED: 01/30/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Tom Pearson