



BARGE "MM 324"

INNAGE TRIM TABLE MMC

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
4 PORT	- 01-1/8	01-1/8	- 02-1/8	02-1/8	- 03-1/4	03-1/4	- 04-3/8	04-3/8	- 05-4/8	05-4/8	- 06-1/2	06-1/2
4 STBD	- 01-1/8	01-1/8	- 02-1/8	02-1/8	- 03-1/4	03-1/4	- 04-3/8	04-3/8	- 05-4/8	05-4/8	- 06-1/2	06-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 4 PORT IS 02-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 4 PORT, THE TRIM CORRECTED INNAGE IS 4'-02 1/8"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

April 6, 2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 324"

INNAGE TRIM TABLE 8" HATCH

	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	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
1 STBD	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
2 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
2 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
3 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
3 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
4 PORT	01-1/4	- 01-1/4	02-1/2	- 02-1/2	03-7/8	- 03-7/8	05-1/8	- 05-1/8	06-3/8	- 06-3/8	07-5/8	- 07-5/8
4 STBD	01-1/4	- 01-1/4	02-1/2	- 02-1/2	03-7/8	- 03-7/8	05-1/8	- 05-1/8	06-3/8	- 06-3/8	07-5/8	- 07-5/8

(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 2 PORT IS- 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

April 6, 2020

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588

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BARGE "MM 324"

1 PORT 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	13.81	0	195.40	0	431.30	0	674.93	0	919.28	0	1,162.94	0	1,408.47	0	1,654.00	0	1,899.53	0	2,145.05
1/4	15.92	1/4	199.83	1/4	436.42	1/4	680.00	1/4	924.29	1/4	1,168.05	1/4	1,413.58	1/4	1,659.11	1/4	1,904.64	1/4	2,150.17
1/2	18.02	1/2	204.26	1/2	441.53	1/2	685.06	1/2	929.30	1/2	1,173.17	1/2	1,418.70	1/2	1,664.23	1/2	1,909.76	1/2	2,155.29
3/4	20.13	3/4	208.70	3/4	446.65	3/4	690.12	3/4	934.31	3/4	1,178.28	3/4	1,423.81	3/4	1,669.34	3/4	1,914.87	3/4	2,160.40
1	22.24	1	213.13	1	451.76	1	695.19	1	939.32	1	1,183.40	1	1,428.93	1	1,674.46	1	1,919.99	1	2,165.52
1/4	25.38	1/4	217.65	1/4	456.88	1/4	700.26	1/4	944.33	1/4	1,188.51	1/4	1,434.04	1/4	1,679.57	1/4	1,925.10	1/4	2,170.63
1/2	28.52	1/2	222.17	1/2	462.00	1/2	705.33	1/2	949.34	1/2	1,193.63	1/2	1,439.16	1/2	1,684.69	1/2	1,930.22	1/2	2,175.75
3/4	31.66	3/4	226.68	3/4	467.11	3/4	710.40	3/4	954.36	3/4	1,198.74	3/4	1,444.27	3/4	1,689.80	3/4	1,935.33	3/4	2,180.86
2	34.80	2	231.20	2	472.23	2	715.48	2	959.37	2	1,203.86	2	1,449.39	2	1,694.92	2	1,940.45	2	2,185.98
1/4	38.34	1/4	235.81	1/4	477.34	1/4	720.56	1/4	964.38	1/4	1,208.97	1/4	1,454.50	1/4	1,700.03	1/4	1,945.56	1/4	2,191.09
1/2	41.89	1/2	240.42	1/2	482.46	1/2	725.64	1/2	969.39	1/2	1,214.09	1/2	1,459.62	1/2	1,705.15	1/2	1,950.68	1/2	2,196.21
3/4	45.43	3/4	245.02	3/4	487.57	3/4	730.72	3/4	974.40	3/4	1,219.20	3/4	1,464.73	3/4	1,710.26	3/4	1,955.79	3/4	2,201.32
3	48.97	3	249.63	3	492.69	3	735.80	3	979.41	3	1,224.32	3	1,469.85	3	1,715.38	3	1,960.91	3	2,206.44
1/4	52.62	1/4	254.40	1/4	497.78	1/4	740.89	1/4	984.42	1/4	1,229.43	1/4	1,474.96	1/4	1,720.49	1/4	1,966.02	1/4	2,211.55
1/2	56.26	1/2	259.18	1/2	502.87	1/2	745.99	1/2	989.44	1/2	1,234.55	1/2	1,480.08	1/2	1,725.61	1/2	1,971.14	1/2	2,216.67
3/4	59.90	3/4	263.95	3/4	507.95	3/4	751.09	3/4	994.45	3/4	1,239.66	3/4	1,485.19	3/4	1,730.72	3/4	1,976.25	3/4	2,221.78
4	63.54	4	268.72	4	513.04	4	756.19	4	999.46	4	1,244.78	4	1,490.31	4	1,735.84	4	1,981.37	4	2,226.90
1/4	67.28	1/4	273.66	1/4	518.10	1/4	761.30	1/4	1,004.52	1/4	1,249.89	1/4	1,495.42	1/4	1,740.95	1/4	1,986.48	1/4	2,232.01
1/2	71.01	1/2	278.61	1/2	523.16	1/2	766.42	1/2	1,009.58	1/2	1,255.01	1/2	1,500.54	1/2	1,746.07	1/2	1,991.60	1/2	2,237.13
3/4	74.74	3/4	283.55	3/4	528.22	3/4	771.54	3/4	1,014.65	3/4	1,260.13	3/4	1,505.65	3/4	1,751.18	3/4	1,996.71	3/4	2,242.24
5	78.48	5	288.49	5	533.27	5	776.65	5	1,019.71	5	1,265.24	5	1,510.77	5	1,756.30	5	2,001.83	5	2,247.36
1/4	82.38	1/4	293.52	1/4	538.33	1/4	781.77	1/4	1,024.83	1/4	1,270.36	1/4	1,515.89	1/4	1,761.41	1/4	2,006.94	1/4	2,252.47
1/2	86.28	1/2	298.55	1/2	543.39	1/2	786.89	1/2	1,029.94	1/2	1,275.47	1/2	1,521.00	1/2	1,766.53	1/2	2,012.06	1/2	2,257.59
3/4	90.19	3/4	303.58	3/4	548.45	3/4	792.00	3/4	1,035.06	3/4	1,280.59	3/4	1,526.12	3/4	1,771.65	3/4	2,017.17	3/4	2,262.70
6	94.09	6	308.61	6	553.51	6	797.12	6	1,040.17	6	1,285.70	6	1,531.23	6	1,776.76	6	2,022.29	6	2,267.82
1/4	98.16	1/4	313.70	1/4	558.57	1/4	802.23	1/4	1,045.29	1/4	1,290.82	1/4	1,536.35	1/4	1,781.88	1/4	2,027.41	1/4	2,272.93
1/2	102.23	1/2	318.79	1/2	563.63	1/2	807.35	1/2	1,050.40	1/2	1,295.93	1/2	1,541.46	1/2	1,786.99	1/2	2,032.52	1/2	2,278.05
3/4	106.30	3/4	323.89	3/4	568.69	3/4	812.47	3/4	1,055.52	3/4	1,301.05	3/4	1,546.58	3/4	1,792.11	3/4	2,037.64	3/4	2,283.17
7	110.37	7	328.98	7	573.75	7	817.58	7	1,060.63	7	1,306.16	7	1,551.69	7	1,797.22	7	2,042.75	7	2,288.28
1/4	114.53	1/4	334.10	1/4	578.80	1/4	822.70	1/4	1,065.75	1/4	1,311.28	1/4	1,556.81	1/4	1,802.34	1/4	2,047.87	1/4	2,293.40
1/2	118.69	1/2	339.21	1/2	583.86	1/2	827.82	1/2	1,070.86	1/2	1,316.39	1/2	1,561.92	1/2	1,807.45	1/2	2,052.98	1/2	2,298.51
3/4	122.85	3/4	344.33	3/4	588.92	3/4	832.93	3/4	1,075.98	3/4	1,321.51	3/4	1,567.04	3/4	1,812.57	3/4	2,058.10	3/4	2,303.63
8	127.00	8	349.45	8	593.98	8	838.05	8	1,081.09	8	1,326.62	8	1,572.15	8	1,817.68	8	2,063.21	8	2,308.74
1/4	131.25	1/4	354.56	1/4	599.04	1/4	843.16	1/4	1,086.21	1/4	1,331.74	1/4	1,577.27	1/4	1,822.80	1/4	2,068.33	1/4	2,313.86
1/2	135.49	1/2	359.68	1/2	604.10	1/2	848.28	1/2	1,091.32	1/2	1,336.85	1/2	1,582.38	1/2	1,827.91	1/2	2,073.44	1/2	2,318.97
3/4	139.74	3/4	364.79	3/4	609.16	3/4	853.40	3/4	1,096.44	3/4	1,341.97	3/4	1,587.50	3/4	1,833.03	3/4	2,078.56	3/4	2,324.09
9	143.98	9	369.91	9	614.22	9	858.51	9	1,101.55	9	1,347.08	9	1,592.61	9	1,838.14	9	2,083.67	9	2,329.20
1/4	148.24	1/4	375.02	1/4	619.27	1/4	863.63	1/4	1,106.67	1/4	1,352.20	1/4	1,597.73	1/4	1,843.26	1/4	2,088.79	1/4	2,334.32
1/2	152.49	1/2	380.14	1/2	624.33	1/2	868.74	1/2	1,111.78	1/2	1,357.31	1/2	1,602.84	1/2	1,848.37	1/2	2,093.90	1/2	2,339.43
3/4	156.74	3/4	385.26	3/4	629.39	3/4	873.86	3/4	1,116.90	3/4	1,362.43	3/4	1,607.96	3/4	1,853.49	3/4	2,099.02	3/4	2,344.55
10	160.99	10	390.37	10	634.45	10	878.98	10	1,122.01	10	1,367.54	10	1,613.07	10	1,858.60	10	2,104.13	10	2,349.66
1/4	165.25	1/4	395.49	1/4	639.51	1/4	884.04	1/4	1,127.13	1/4	1,372.66	1/4	1,618.19	1/4	1,863.72	1/4	2,109.25	1/4	2,354.78
1/2	169.50	1/2	400.60	1/2	644.57	1/2	889.10	1/2	1,132.25	1/2	1,377.77	1/2	1,623.30	1/2	1,868.83	1/2	2,114.36	1/2	2,359.89
3/4	173.76	3/4	405.72	3/4	649.63	3/4	894.17	3/4	1,137.36	3/4	1,382.89	3/4	1,628.42	3/4	1,873.95	3/4	2,119.48	3/4	2,365.01
11	178.02	11	410.84	11	654.69	11	899.23	11	1,142.48	11	1,388.01	11	1,633.53	11	1,879.06	11	2,124.59	11	2,370.12
1/4	182.37	1/4	415.95	1/4	659.75	1/4	904.24	1/4	1,147.59	1/4	1,393.12	1/4	1,638.65	1/4	1,884.18	1/4	2,129.71	1/4	2,375.24
1/2	186.71	1/2	421.07	1/2	664.81	1/2	909.25	1/2	1,152.71	1/2	1,398.24	1/2	1,643.77	1/2	1,889.29	1/2	2,134.82	1/2	2,380.35
3/4	191.05	3/4	426.18	3/4	669.87	3/4	914.26	3/4	1,157.82	3/4	1,403.35	3/4	1,648.88	3/4	1,894.41	3/4	2,139.94	3/4	2,385.47

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.
 GAUGE POINT: (MMC - TOP OF THREADS) LOCATED 12'-08" OFF CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (8" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "MM 324"

1 PORT 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	2,390.58	0	2,636.08	0	2,880.74	0	3,125.40	0	3,368.87	0		0		0		0		0	
1/4	2,395.70	1/4	2,641.17	1/4	2,885.83	1/4	3,130.49	1/4	3,373.69	1/4		1/4		1/4		1/4		1/4	
1/2	2,400.81	1/2	2,646.27	1/2	2,890.93	1/2	3,135.59	1/2	3,378.51	1/2		1/2		1/2		1/2		1/2	
3/4	2,405.93	3/4	2,651.37	3/4	2,896.03	3/4	3,140.69	3/4	3,383.33	3/4		3/4		3/4		3/4		3/4	
1	2,411.05	1	2,656.46	1	2,901.13	1	3,145.79	1	3,388.15	1		1		1		1		1	
1/4	2,416.16	1/4	2,661.56	1/4	2,906.22	1/4	3,150.88	1/4	3,392.34	1/4		1/4		1/4		1/4		1/4	
1/2	2,421.28	1/2	2,666.66	1/2	2,911.32	1/2	3,155.98	1/2	3,396.54	1/2		1/2		1/2		1/2		1/2	
3/4	2,426.39	3/4	2,671.76	3/4	2,916.42	3/4	3,161.08	3/4	3,400.73	3/4		3/4		3/4		3/4		3/4	
2	2,431.51	2	2,676.85	2	2,921.51	2	3,166.17	2	3,404.92	2		2		2		2		2	
1/4	2,436.62	1/4	2,681.95	1/4	2,926.61	1/4	3,171.27	1/4	3,408.26	1/4		1/4		1/4		1/4		1/4	
1/2	2,441.74	1/2	2,687.05	1/2	2,931.71	1/2	3,176.37	1/2	3,411.61	1/2		1/2		1/2		1/2		1/2	
3/4	2,446.85	3/4	2,692.14	3/4	2,936.81	3/4	3,181.47	3/4	3,414.95	3/4		3/4		3/4		3/4		3/4	
3	2,451.97	3	2,697.24	3	2,941.90	3	3,186.56	3	3,418.29	3		3		3		3		3	
1/4	2,457.08	1/4	2,702.34	1/4	2,947.00	1/4	3,191.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,462.20	1/2	2,707.44	1/2	2,952.10	1/2	3,196.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,467.31	3/4	2,712.53	3/4	2,957.19	3/4	3,201.85	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,472.43	4	2,717.63	4	2,962.29	4	3,206.95	4		4		4		4		4		4	
1/4	2,477.54	1/4	2,722.73	1/4	2,967.39	1/4	3,212.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,482.66	1/2	2,727.82	1/2	2,972.48	1/2	3,217.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,487.77	3/4	2,732.92	3/4	2,977.58	3/4	3,222.24	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,492.89	5	2,738.02	5	2,982.68	5	3,227.34	5		5		5		5		5		5	
1/4	2,498.00	1/4	2,743.12	1/4	2,987.78	1/4	3,232.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,503.12	1/2	2,748.21	1/2	2,992.87	1/2	3,237.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,508.23	3/4	2,753.31	3/4	2,997.97	3/4	3,242.63	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,513.35	6	2,758.41	6	3,003.07	6	3,247.73	6		6		6		6		6		6	
1/4	2,518.46	1/4	2,763.50	1/4	3,008.16	1/4	3,252.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,523.58	1/2	2,768.60	1/2	3,013.26	1/2	3,257.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,528.69	3/4	2,773.70	3/4	3,018.36	3/4	3,262.95	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,533.81	7	2,778.79	7	3,023.46	7	3,268.02	7		7		7		7		7		7	
1/4	2,538.93	1/4	2,783.89	1/4	3,028.55	1/4	3,273.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,544.04	1/2	2,788.99	1/2	3,033.65	1/2	3,278.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,549.16	3/4	2,794.09	3/4	3,038.75	3/4	3,283.16	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,554.27	8	2,799.18	8	3,043.84	8	3,288.21	8		8		8		8		8		8	
1/4	2,559.39	1/4	2,804.28	1/4	3,048.94	1/4	3,293.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,564.50	1/2	2,809.38	1/2	3,054.04	1/2	3,298.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,569.62	3/4	2,814.47	3/4	3,059.14	3/4	3,303.34	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,574.73	9	2,819.57	9	3,064.23	9	3,308.39	9		9		9		9		9		9	
1/4	2,579.85	1/4	2,824.67	1/4	3,069.33	1/4	3,313.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,584.96	1/2	2,829.77	1/2	3,074.43	1/2	3,318.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,590.08	3/4	2,834.86	3/4	3,079.52	3/4	3,323.53	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,595.19	10	2,839.96	10	3,084.62	10	3,328.58	10		10		10		10		10		10	
1/4	2,600.31	1/4	2,845.06	1/4	3,089.72	1/4	3,333.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,605.42	1/2	2,850.15	1/2	3,094.82	1/2	3,338.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,610.54	3/4	2,855.25	3/4	3,099.91	3/4	3,343.70	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,615.65	11	2,860.35	11	3,105.01	11	3,348.74	11		11		11		11		11		11	
1/4	2,620.76	1/4	2,865.45	1/4	3,110.11	1/4	3,353.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,625.86	1/2	2,870.54	1/2	3,115.20	1/2	3,358.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,630.97	3/4	2,875.64	3/4	3,120.30	3/4	3,363.84	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2020 CL
CALCULATED: 04/06/2020 CL
PRINTED: 04/06/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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



BARGE "MM 324"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	13.87	0	196.36	0	433.21	0	679.02	0	924.83	0	1,169.44	0	1,415.92	0	1,662.40	0	1,908.88	0	2,155.36
1/4	15.99	1/4	200.81	1/4	438.34	1/4	684.14	1/4	929.86	1/4	1,174.57	1/4	1,421.05	1/4	1,667.53	1/4	1,914.01	1/4	2,160.49
1/2	18.11	1/2	205.26	1/2	443.48	1/2	689.26	1/2	934.89	1/2	1,179.71	1/2	1,426.19	1/2	1,672.67	1/2	1,919.15	1/2	2,165.63
3/4	20.24	3/4	209.72	3/4	448.62	3/4	694.38	3/4	939.92	3/4	1,184.84	3/4	1,431.32	3/4	1,677.80	3/4	1,924.28	3/4	2,170.76
1	22.36	1	214.17	1	453.75	1	699.50	1	944.95	1	1,189.98	1	1,436.46	1	1,682.94	1	1,929.42	1	2,175.90
1/4	25.52	1/4	218.71	1/4	458.89	1/4	704.63	1/4	949.98	1/4	1,195.11	1/4	1,441.59	1/4	1,688.07	1/4	1,934.55	1/4	2,181.03
1/2	28.67	1/2	223.24	1/2	464.02	1/2	709.76	1/2	955.01	1/2	1,200.25	1/2	1,446.73	1/2	1,693.21	1/2	1,939.69	1/2	2,186.17
3/4	31.83	3/4	227.78	3/4	469.16	3/4	714.89	3/4	960.05	3/4	1,205.38	3/4	1,451.86	3/4	1,698.34	3/4	1,944.82	3/4	2,191.30
2	34.99	2	232.32	2	474.29	2	720.02	2	965.08	2	1,210.52	2	1,457.00	2	1,703.48	2	1,949.96	2	2,196.44
1/4	38.55	1/4	236.95	1/4	479.43	1/4	725.15	1/4	970.11	1/4	1,215.65	1/4	1,462.13	1/4	1,708.61	1/4	1,955.09	1/4	2,201.57
1/2	42.12	1/2	241.57	1/2	484.57	1/2	730.29	1/2	975.14	1/2	1,220.79	1/2	1,467.27	1/2	1,713.75	1/2	1,960.23	1/2	2,206.71
3/4	45.68	3/4	246.20	3/4	489.70	3/4	735.42	3/4	980.17	3/4	1,225.92	3/4	1,472.40	3/4	1,718.88	3/4	1,965.36	3/4	2,211.84
3	49.24	3	250.82	3	494.84	3	740.56	3	985.20	3	1,231.06	3	1,477.54	3	1,724.02	3	1,970.50	3	2,216.98
1/4	52.90	1/4	255.62	1/4	499.96	1/4	745.70	1/4	990.23	1/4	1,236.19	1/4	1,482.67	1/4	1,729.15	1/4	1,975.63	1/4	2,222.11
1/2	56.56	1/2	260.41	1/2	505.09	1/2	750.83	1/2	995.26	1/2	1,241.33	1/2	1,487.81	1/2	1,734.29	1/2	1,980.77	1/2	2,227.25
3/4	60.23	3/4	265.20	3/4	510.21	3/4	755.97	3/4	1,000.29	3/4	1,246.46	3/4	1,492.94	3/4	1,739.42	3/4	1,985.90	3/4	2,232.38
4	63.89	4	270.00	4	515.34	4	761.10	4	1,005.33	4	1,251.60	4	1,498.08	4	1,744.56	4	1,991.04	4	2,237.52
1/4	67.64	1/4	274.96	1/4	520.45	1/4	766.24	1/4	1,010.41	1/4	1,256.73	1/4	1,503.21	1/4	1,749.69	1/4	1,996.17	1/4	2,242.65
1/2	71.39	1/2	279.92	1/2	525.57	1/2	771.38	1/2	1,015.49	1/2	1,261.87	1/2	1,508.35	1/2	1,754.83	1/2	2,001.31	1/2	2,247.79
3/4	75.14	3/4	284.88	3/4	530.68	3/4	776.51	3/4	1,020.58	3/4	1,267.00	3/4	1,513.48	3/4	1,759.96	3/4	2,006.44	3/4	2,252.92
5	78.90	5	289.84	5	535.80	5	781.65	5	1,025.66	5	1,272.14	5	1,518.62	5	1,765.10	5	2,011.58	5	2,258.06
1/4	82.82	1/4	294.89	1/4	540.91	1/4	786.78	1/4	1,030.79	1/4	1,277.27	1/4	1,523.75	1/4	1,770.23	1/4	2,016.71	1/4	2,263.19
1/2	86.74	1/2	299.94	1/2	546.03	1/2	791.92	1/2	1,035.93	1/2	1,282.41	1/2	1,528.89	1/2	1,775.37	1/2	2,021.85	1/2	2,268.33
3/4	90.66	3/4	304.99	3/4	551.14	3/4	797.06	3/4	1,041.06	3/4	1,287.54	3/4	1,534.02	3/4	1,780.50	3/4	2,026.98	3/4	2,273.46
6	94.58	6	310.04	6	556.26	6	802.19	6	1,046.20	6	1,292.68	6	1,539.16	6	1,785.64	6	2,032.12	6	2,278.60
1/4	98.67	1/4	315.15	1/4	561.37	1/4	807.33	1/4	1,051.33	1/4	1,297.81	1/4	1,544.29	1/4	1,790.77	1/4	2,037.25	1/4	2,283.73
1/2	102.76	1/2	320.27	1/2	566.49	1/2	812.46	1/2	1,056.47	1/2	1,302.95	1/2	1,549.43	1/2	1,795.91	1/2	2,042.39	1/2	2,288.87
3/4	106.85	3/4	325.38	3/4	571.60	3/4	817.60	3/4	1,061.60	3/4	1,308.08	3/4	1,554.56	3/4	1,801.04	3/4	2,047.52	3/4	2,294.00
7	110.94	7	330.49	7	576.72	7	822.74	7	1,066.74	7	1,313.22	7	1,559.70	7	1,806.18	7	2,052.66	7	2,299.14
1/4	115.12	1/4	335.63	1/4	581.83	1/4	827.87	1/4	1,071.87	1/4	1,318.35	1/4	1,564.83	1/4	1,811.31	1/4	2,057.79	1/4	2,304.27
1/2	119.30	1/2	340.77	1/2	586.95	1/2	833.01	1/2	1,077.01	1/2	1,323.49	1/2	1,569.97	1/2	1,816.45	1/2	2,062.93	1/2	2,309.41
3/4	123.48	3/4	345.90	3/4	592.06	3/4	838.14	3/4	1,082.14	3/4	1,328.62	3/4	1,575.10	3/4	1,821.58	3/4	2,068.06	3/4	2,314.54
8	127.65	8	351.04	8	597.18	8	843.28	8	1,087.28	8	1,333.76	8	1,580.24	8	1,826.72	8	2,073.20	8	2,319.68
1/4	131.92	1/4	356.17	1/4	602.29	1/4	848.42	1/4	1,092.41	1/4	1,338.89	1/4	1,585.37	1/4	1,831.85	1/4	2,078.33	1/4	2,324.81
1/2	136.18	1/2	361.31	1/2	607.41	1/2	853.55	1/2	1,097.55	1/2	1,344.03	1/2	1,590.51	1/2	1,836.99	1/2	2,083.47	1/2	2,329.95
3/4	140.45	3/4	366.44	3/4	612.52	3/4	858.69	3/4	1,102.68	3/4	1,349.16	3/4	1,595.64	3/4	1,842.12	3/4	2,088.60	3/4	2,335.08
9	144.71	9	371.58	9	617.64	9	863.82	9	1,107.82	9	1,354.30	9	1,600.78	9	1,847.26	9	2,093.74	9	2,340.22
1/4	148.98	1/4	376.72	1/4	622.75	1/4	868.96	1/4	1,112.95	1/4	1,359.43	1/4	1,605.91	1/4	1,852.39	1/4	2,098.87	1/4	2,345.35
1/2	153.25	1/2	381.85	1/2	627.87	1/2	874.10	1/2	1,118.09	1/2	1,364.57	1/2	1,611.05	1/2	1,857.53	1/2	2,104.01	1/2	2,350.49
3/4	157.52	3/4	386.99	3/4	632.98	3/4	879.23	3/4	1,123.22	3/4	1,369.70	3/4	1,616.18	3/4	1,862.66	3/4	2,109.14	3/4	2,355.62
10	161.80	10	392.12	10	638.09	10	884.37	10	1,128.36	10	1,374.84	10	1,621.32	10	1,867.80	10	2,114.28	10	2,360.76
1/4	166.07	1/4	397.26	1/4	643.21	1/4	889.45	1/4	1,133.49	1/4	1,379.97	1/4	1,626.45	1/4	1,872.93	1/4	2,119.41	1/4	2,365.89
1/2	170.35	1/2	402.39	1/2	648.32	1/2	894.53	1/2	1,138.63	1/2	1,385.11	1/2	1,631.59	1/2	1,878.07	1/2	2,124.55	1/2	2,371.03
3/4	174.63	3/4	407.53	3/4	653.44	3/4	899.62	3/4	1,143.76	3/4	1,390.24	3/4	1,636.72	3/4	1,883.20	3/4	2,129.68	3/4	2,376.16
11	178.90	11	412.67	11	658.55	11	904.70	11	1,148.90	11	1,395.38	11	1,641.86	11	1,888.34	11	2,134.82	11	2,381.30
1/4	183.27	1/4	417.80	1/4	663.67	1/4	909.73	1/4	1,154.03	1/4	1,400.51	1/4	1,646.99	1/4	1,893.47	1/4	2,139.95	1/4	2,386.43
1/2	187.63	1/2	422.94	1/2	668.79	1/2	914.76	1/2	1,159.17	1/2	1,405.65	1/2	1,652.13	1/2	1,898.61	1/2	2,145.09	1/2	2,391.57
3/4	192.00	3/4	428.07	3/4	673.91	3/4	919.80	3/4	1,164.30	3/4	1,410.78	3/4	1,657.26	3/4	1,903.74	3/4	2,150.22	3/4	2,396.70

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.
 GAUGE POINT: (MMC - TOP OF THREADS) LOCATED 12'-08" OFF CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (8" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 31'-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 "MM 324"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,401.84	0	2,648.30	0	2,893.92	0	3,139.54	0	3,383.95	0		0		0		0		0	
1/4	2,406.97	1/4	2,653.42	1/4	2,899.04	1/4	3,144.65	1/4	3,388.79	1/4		1/4		1/4		1/4		1/4	
1/2	2,412.11	1/2	2,658.54	1/2	2,904.15	1/2	3,149.77	1/2	3,393.63	1/2		1/2		1/2		1/2		1/2	
3/4	2,417.24	3/4	2,663.65	3/4	2,909.27	3/4	3,154.89	3/4	3,398.47	3/4		3/4		3/4		3/4		3/4	
1	2,422.38	1	2,668.77	1	2,914.39	1	3,160.00	1	3,403.31	1		1		1		1		1	
1/4	2,427.51	1/4	2,673.89	1/4	2,919.50	1/4	3,165.12	1/4	3,407.52	1/4		1/4		1/4		1/4		1/4	
1/2	2,432.65	1/2	2,679.01	1/2	2,924.62	1/2	3,170.24	1/2	3,411.73	1/2		1/2		1/2		1/2		1/2	
3/4	2,437.78	3/4	2,684.12	3/4	2,929.74	3/4	3,175.35	3/4	3,415.94	3/4		3/4		3/4		3/4		3/4	
2	2,442.92	2	2,689.24	2	2,934.86	2	3,180.47	2	3,420.15	2		2		2		2		2	
1/4	2,448.05	1/4	2,694.36	1/4	2,939.97	1/4	3,185.59	1/4	3,423.50	1/4		1/4		1/4		1/4		1/4	
1/2	2,453.19	1/2	2,699.47	1/2	2,945.09	1/2	3,190.71	1/2	3,426.86	1/2		1/2		1/2		1/2		1/2	
3/4	2,458.32	3/4	2,704.59	3/4	2,950.21	3/4	3,195.82	3/4	3,430.21	3/4		3/4		3/4		3/4		3/4	
3	2,463.46	3	2,709.71	3	2,955.32	3	3,200.94	3	3,433.57	3		3		3		3		3	
1/4	2,468.59	1/4	2,714.82	1/4	2,960.44	1/4	3,206.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,473.73	1/2	2,719.94	1/2	2,965.56	1/2	3,211.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,478.86	3/4	2,725.06	3/4	2,970.67	3/4	3,216.29	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,484.00	4	2,730.18	4	2,975.79	4	3,221.41	4		4		4		4		4		4	
1/4	2,489.13	1/4	2,735.29	1/4	2,980.91	1/4	3,226.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,494.27	1/2	2,740.41	1/2	2,986.03	1/2	3,231.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,499.40	3/4	2,745.53	3/4	2,991.14	3/4	3,236.76	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,504.54	5	2,750.64	5	2,996.26	5	3,241.88	5		5		5		5		5		5	
1/4	2,509.67	1/4	2,755.76	1/4	3,001.38	1/4	3,246.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,514.81	1/2	2,760.88	1/2	3,006.49	1/2	3,252.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,519.94	3/4	2,765.99	3/4	3,011.61	3/4	3,257.23	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,525.08	6	2,771.11	6	3,016.73	6	3,262.34	6		6		6		6		6		6	
1/4	2,530.21	1/4	2,776.23	1/4	3,021.84	1/4	3,267.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,535.35	1/2	2,781.35	1/2	3,026.96	1/2	3,272.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,540.48	3/4	2,786.46	3/4	3,032.08	3/4	3,277.62	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,545.62	7	2,791.58	7	3,037.20	7	3,282.71	7		7		7		7		7		7	
1/4	2,550.75	1/4	2,796.70	1/4	3,042.31	1/4	3,287.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,555.89	1/2	2,801.81	1/2	3,047.43	1/2	3,292.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,561.02	3/4	2,806.93	3/4	3,052.55	3/4	3,297.91	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,566.16	8	2,812.05	8	3,057.66	8	3,302.97	8		8		8		8		8		8	
1/4	2,571.29	1/4	2,817.16	1/4	3,062.78	1/4	3,308.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,576.43	1/2	2,822.28	1/2	3,067.90	1/2	3,313.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,581.56	3/4	2,827.40	3/4	3,073.01	3/4	3,318.17	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,586.70	9	2,832.52	9	3,078.13	9	3,323.24	9		9		9		9		9		9	
1/4	2,591.83	1/4	2,837.63	1/4	3,083.25	1/4	3,328.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,596.97	1/2	2,842.75	1/2	3,088.37	1/2	3,333.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,602.10	3/4	2,847.87	3/4	3,093.48	3/4	3,338.44	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,607.24	10	2,852.98	10	3,098.60	10	3,343.50	10		10		10		10		10		10	
1/4	2,612.37	1/4	2,858.10	1/4	3,103.72	1/4	3,348.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,617.51	1/2	2,863.22	1/2	3,108.83	1/2	3,353.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,622.64	3/4	2,868.33	3/4	3,113.95	3/4	3,358.69	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,627.78	11	2,873.45	11	3,119.07	11	3,363.75	11		11		11		11		11		11	
1/4	2,632.91	1/4	2,878.57	1/4	3,124.18	1/4	3,368.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,638.04	1/2	2,883.69	1/2	3,129.30	1/2	3,373.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,643.17	3/4	2,888.80	3/4	3,134.42	3/4	3,378.90	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2020 CL
CALCULATED: 04/06/2020 CL
PRINTED: 04/06/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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



BARGE "MM 324"

2 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	3,035.17	0	3,340.02	0	3,644.05	0	3,948.08	0	4,250.62	0		0		0		0		0	
1/4	3,041.52	1/4	3,346.35	1/4	3,650.39	1/4	3,954.42	1/4	4,256.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,047.87	1/2	3,352.69	1/2	3,656.72	1/2	3,960.75	1/2	4,262.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,054.22	3/4	3,359.02	3/4	3,663.05	3/4	3,967.09	3/4	4,268.60	3/4		3/4		3/4		3/4		3/4	
1	3,060.57	1	3,365.36	1	3,669.39	1	3,973.42	1	4,274.59	1		1		1		1		1	
1/4	3,066.93	1/4	3,371.69	1/4	3,675.72	1/4	3,979.75	1/4	4,279.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,073.28	1/2	3,378.02	1/2	3,682.06	1/2	3,986.09	1/2	4,285.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,079.63	3/4	3,384.36	3/4	3,688.39	3/4	3,992.42	3/4	4,290.22	3/4		3/4		3/4		3/4		3/4	
2	3,085.98	2	3,390.69	2	3,694.72	2	3,998.76	2	4,295.43	2		2		2		2		2	
1/4	3,092.33	1/4	3,397.03	1/4	3,701.06	1/4	4,005.09	1/4	4,299.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,098.69	1/2	3,403.36	1/2	3,707.39	1/2	4,011.42	1/2	4,303.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,105.04	3/4	3,409.69	3/4	3,713.73	3/4	4,017.76	3/4	4,307.89	3/4		3/4		3/4		3/4		3/4	
3	3,111.39	3	3,416.03	3	3,720.06	3	4,024.09	3	4,312.05	3		3		3		3		3	
1/4	3,117.74	1/4	3,422.36	1/4	3,726.39	1/4	4,030.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,124.09	1/2	3,428.70	1/2	3,732.73	1/2	4,036.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,130.45	3/4	3,435.03	3/4	3,739.06	3/4	4,043.09	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,136.80	4	3,441.36	4	3,745.40	4	4,049.43	4		4		4		4		4		4	
1/4	3,143.15	1/4	3,447.70	1/4	3,751.73	1/4	4,055.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,149.50	1/2	3,454.03	1/2	3,758.06	1/2	4,062.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,155.86	3/4	3,460.37	3/4	3,764.40	3/4	4,068.43	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,162.21	5	3,466.70	5	3,770.73	5	4,074.76	5		5		5		5		5		5	
1/4	3,168.56	1/4	3,473.03	1/4	3,777.07	1/4	4,081.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,174.91	1/2	3,479.37	1/2	3,783.40	1/2	4,087.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,181.26	3/4	3,485.70	3/4	3,789.73	3/4	4,093.77	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,187.62	6	3,492.04	6	3,796.07	6	4,100.10	6		6		6		6		6		6	
1/4	3,193.97	1/4	3,498.37	1/4	3,802.40	1/4	4,106.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,200.32	1/2	3,504.70	1/2	3,808.74	1/2	4,112.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,206.67	3/4	3,511.04	3/4	3,815.07	3/4	4,119.00	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,213.02	7	3,517.37	7	3,821.40	7	4,125.30	7		7		7		7		7		7	
1/4	3,219.38	1/4	3,523.71	1/4	3,827.74	1/4	4,131.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,225.73	1/2	3,530.04	1/2	3,834.07	1/2	4,137.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,232.08	3/4	3,536.37	3/4	3,840.41	3/4	4,144.12	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,238.43	8	3,542.71	8	3,846.74	8	4,150.39	8		8		8		8		8		8	
1/4	3,244.78	1/4	3,549.04	1/4	3,853.07	1/4	4,156.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,251.14	1/2	3,555.38	1/2	3,859.41	1/2	4,162.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,257.49	3/4	3,561.71	3/4	3,865.74	3/4	4,169.20	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,263.84	9	3,568.04	9	3,872.08	9	4,175.47	9		9		9		9		9		9	
1/4	3,270.19	1/4	3,574.38	1/4	3,878.41	1/4	4,181.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,276.55	1/2	3,580.71	1/2	3,884.74	1/2	4,188.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,282.90	3/4	3,587.05	3/4	3,891.08	3/4	4,194.28	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,289.25	10	3,593.38	10	3,897.41	10	4,200.55	10		10		10		10		10		10	
1/4	3,295.60	1/4	3,599.71	1/4	3,903.75	1/4	4,206.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,301.95	1/2	3,606.05	1/2	3,910.08	1/2	4,213.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,308.31	3/4	3,612.38	3/4	3,916.41	3/4	4,219.35	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,314.66	11	3,618.72	11	3,922.75	11	4,225.62	11		11		11		11		11		11	
1/4	3,321.00	1/4	3,625.05	1/4	3,929.08	1/4	4,231.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,327.34	1/2	3,631.38	1/2	3,935.42	1/2	4,238.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,333.68	3/4	3,637.72	3/4	3,941.75	3/4	4,244.37	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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ALL PRIOR TO 04/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "MM 324"

2 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	20.88	0	309.95	0	610.71	0	913.55	0	1,216.15	0	1,517.09	0	1,820.60	0	2,124.11	0	2,427.62	0	2,731.13
1/4	25.43	1/4	316.07	1/4	617.03	1/4	919.85	1/4	1,222.33	1/4	1,523.41	1/4	1,826.92	1/4	2,130.43	1/4	2,433.94	1/4	2,737.45
1/2	29.97	1/2	322.20	1/2	623.35	1/2	926.16	1/2	1,228.51	1/2	1,529.74	1/2	1,833.25	1/2	2,136.75	1/2	2,440.26	1/2	2,743.77
3/4	34.51	3/4	328.32	3/4	629.68	3/4	932.47	3/4	1,234.69	3/4	1,536.06	3/4	1,839.57	3/4	2,143.08	3/4	2,446.59	3/4	2,750.09
1	39.05	1	334.45	1	636.00	1	938.78	1	1,240.87	1	1,542.38	1	1,845.89	1	2,149.40	1	2,452.91	1	2,756.42
1/4	44.77	1/4	340.57	1/4	642.32	1/4	945.10	1/4	1,247.05	1/4	1,548.71	1/4	1,852.21	1/4	2,155.72	1/4	2,459.23	1/4	2,762.74
1/2	50.48	1/2	346.70	1/2	648.65	1/2	951.41	1/2	1,253.23	1/2	1,555.03	1/2	1,858.54	1/2	2,162.05	1/2	2,465.56	1/2	2,769.06
3/4	56.19	3/4	352.82	3/4	654.97	3/4	957.73	3/4	1,259.41	3/4	1,561.35	3/4	1,864.86	3/4	2,168.37	3/4	2,471.88	3/4	2,775.39
2	61.90	2	358.94	2	661.30	2	964.04	2	1,265.59	2	1,567.68	2	1,871.18	2	2,174.69	2	2,478.20	2	2,781.71
1/4	68.01	1/4	365.07	1/4	667.62	1/4	970.37	1/4	1,271.77	1/4	1,574.00	1/4	1,877.51	1/4	2,181.02	1/4	2,484.52	1/4	2,788.03
1/2	74.11	1/2	371.19	1/2	673.94	1/2	976.69	1/2	1,277.95	1/2	1,580.32	1/2	1,883.83	1/2	2,187.34	1/2	2,490.85	1/2	2,794.36
3/4	80.21	3/4	377.32	3/4	680.27	3/4	983.02	3/4	1,284.13	3/4	1,586.64	3/4	1,890.15	3/4	2,193.66	3/4	2,497.17	3/4	2,800.68
3	86.32	3	383.44	3	686.59	3	989.34	3	1,290.31	3	1,592.97	3	1,896.48	3	2,199.99	3	2,503.49	3	2,807.00
1/4	92.43	1/4	389.67	1/4	692.91	1/4	995.66	1/4	1,296.49	1/4	1,599.29	1/4	1,902.80	1/4	2,206.31	1/4	2,509.82	1/4	2,813.33
1/2	98.55	1/2	395.89	1/2	699.22	1/2	1,001.99	1/2	1,302.68	1/2	1,605.61	1/2	1,909.12	1/2	2,212.63	1/2	2,516.14	1/2	2,819.65
3/4	104.67	3/4	402.12	3/4	705.53	3/4	1,008.31	3/4	1,308.86	3/4	1,611.94	3/4	1,915.45	3/4	2,218.95	3/4	2,522.46	3/4	2,825.97
4	110.79	4	408.34	4	711.84	4	1,014.64	4	1,315.04	4	1,618.26	4	1,921.77	4	2,225.28	4	2,528.79	4	2,832.30
1/4	116.91	1/4	414.66	1/4	718.15	1/4	1,020.96	1/4	1,321.29	1/4	1,624.58	1/4	1,928.09	1/4	2,231.60	1/4	2,535.11	1/4	2,838.62
1/2	123.03	1/2	420.99	1/2	724.45	1/2	1,027.28	1/2	1,327.54	1/2	1,630.91	1/2	1,934.41	1/2	2,237.92	1/2	2,541.43	1/2	2,844.94
3/4	129.16	3/4	427.31	3/4	730.75	3/4	1,033.61	3/4	1,333.79	3/4	1,637.23	3/4	1,940.74	3/4	2,244.25	3/4	2,547.76	3/4	2,851.26
5	135.28	5	433.64	5	737.06	5	1,039.93	5	1,340.04	5	1,643.55	5	1,947.06	5	2,250.57	5	2,554.08	5	2,857.59
1/4	141.50	1/4	439.96	1/4	743.36	1/4	1,046.26	1/4	1,346.37	1/4	1,649.88	1/4	1,953.38	1/4	2,256.89	1/4	2,560.40	1/4	2,863.91
1/2	147.72	1/2	446.28	1/2	749.66	1/2	1,052.58	1/2	1,352.69	1/2	1,656.20	1/2	1,959.71	1/2	2,263.22	1/2	2,566.72	1/2	2,870.23
3/4	153.95	3/4	452.61	3/4	755.96	3/4	1,058.90	3/4	1,359.01	3/4	1,662.52	3/4	1,966.03	3/4	2,269.54	3/4	2,573.05	3/4	2,876.56
6	160.17	6	458.93	6	762.27	6	1,065.23	6	1,365.34	6	1,668.84	6	1,972.35	6	2,275.86	6	2,579.37	6	2,882.88
1/4	166.49	1/4	465.26	1/4	768.57	1/4	1,071.55	1/4	1,371.66	1/4	1,675.17	1/4	1,978.68	1/4	2,282.19	1/4	2,585.69	1/4	2,889.20
1/2	172.82	1/2	471.58	1/2	774.87	1/2	1,077.88	1/2	1,377.98	1/2	1,681.49	1/2	1,985.00	1/2	2,288.51	1/2	2,592.02	1/2	2,895.53
3/4	179.14	3/4	477.90	3/4	781.18	3/4	1,084.20	3/4	1,384.31	3/4	1,687.81	3/4	1,991.32	3/4	2,294.83	3/4	2,598.34	3/4	2,901.85
7	185.47	7	484.23	7	787.48	7	1,090.53	7	1,390.63	7	1,694.14	7	1,997.65	7	2,301.15	7	2,604.66	7	2,908.17
1/4	191.79	1/4	490.55	1/4	793.78	1/4	1,096.85	1/4	1,396.95	1/4	1,700.46	1/4	2,003.97	1/4	2,307.48	1/4	2,610.99	1/4	2,914.50
1/2	198.11	1/2	496.88	1/2	800.08	1/2	1,103.17	1/2	1,403.27	1/2	1,706.78	1/2	2,010.29	1/2	2,313.80	1/2	2,617.31	1/2	2,920.82
3/4	204.44	3/4	503.20	3/4	806.39	3/4	1,109.50	3/4	1,409.60	3/4	1,713.11	3/4	2,016.62	3/4	2,320.12	3/4	2,623.63	3/4	2,927.14
8	210.76	8	509.52	8	812.69	8	1,115.82	8	1,415.92	8	1,719.43	8	2,022.94	8	2,326.45	8	2,629.96	8	2,933.46
1/4	217.09	1/4	515.85	1/4	818.99	1/4	1,122.15	1/4	1,422.24	1/4	1,725.75	1/4	2,029.26	1/4	2,332.77	1/4	2,636.28	1/4	2,939.79
1/2	223.41	1/2	522.17	1/2	825.30	1/2	1,128.47	1/2	1,428.57	1/2	1,732.08	1/2	2,035.58	1/2	2,339.09	1/2	2,642.60	1/2	2,946.11
3/4	229.73	3/4	528.49	3/4	831.60	3/4	1,134.79	3/4	1,434.89	3/4	1,738.40	3/4	2,041.91	3/4	2,345.42	3/4	2,648.93	3/4	2,952.43
9	236.06	9	534.82	9	837.90	9	1,141.12	9	1,441.21	9	1,744.72	9	2,048.23	9	2,351.74	9	2,655.25	9	2,958.76
1/4	242.28	1/4	541.14	1/4	844.20	1/4	1,147.44	1/4	1,447.54	1/4	1,751.04	1/4	2,054.55	1/4	2,358.06	1/4	2,661.57	1/4	2,965.08
1/2	248.51	1/2	547.47	1/2	850.51	1/2	1,153.77	1/2	1,453.86	1/2	1,757.37	1/2	2,060.88	1/2	2,364.39	1/2	2,667.89	1/2	2,971.40
3/4	254.73	3/4	553.79	3/4	856.81	3/4	1,160.09	3/4	1,460.18	3/4	1,763.69	3/4	2,067.20	3/4	2,370.71	3/4	2,674.22	3/4	2,977.73
10	260.95	10	560.11	10	863.11	10	1,166.41	10	1,466.51	10	1,770.01	10	2,073.52	10	2,377.03	10	2,680.54	10	2,984.05
1/4	267.08	1/4	566.44	1/4	869.41	1/4	1,172.67	1/4	1,472.83	1/4	1,776.34	1/4	2,079.85	1/4	2,383.35	1/4	2,686.86	1/4	2,990.37
1/2	273.20	1/2	572.76	1/2	875.72	1/2	1,178.92	1/2	1,479.15	1/2	1,782.66	1/2	2,086.17	1/2	2,389.68	1/2	2,693.19	1/2	2,996.70
3/4	279.33	3/4	579.09	3/4	882.02	3/4	1,185.17	3/4	1,485.47	3/4	1,788.98	3/4	2,092.49	3/4	2,396.00	3/4	2,699.51	3/4	3,003.02
11	285.45	11	585.41	11	888.32	11	1,191.42	11	1,491.80	11	1,795.31	11	2,098.82	11	2,402.32	11	2,705.83	11	3,009.34
1/4	291.58	1/4	591.73	1/4	894.63	1/4	1,197.60	1/4	1,498.12	1/4	1,801.63	1/4	2,105.14	1/4	2,408.65	1/4	2,712.16	1/4	3,015.66
1/2	297.70	1/2	598.06	1/2	900.93	1/2	1,203.79	1/2	1,504.44	1/2	1,807.95	1/2	2,111.46	1/2	2,414.97	1/2	2,718.48	1/2	3,021.99
3/4	303.83	3/4	604.38	3/4	907.24	3/4	1,209.97	3/4	1,510.77	3/4	1,814.28	3/4	2,117.78	3/4	2,421.29	3/4	2,724.80	3/4	3,028.31

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.
 GAUGE POINT: (MMC - TOP OF THREADS) LOCATED 12'-08" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (8" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
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BARGE "MM 324"

2 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	3,034.63	0	3,338.13	0	3,640.77	0	3,943.41	0	4,244.58	0		0		0		0		0	
1/4	3,040.96	1/4	3,344.44	1/4	3,647.08	1/4	3,949.72	1/4	4,250.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,047.28	1/2	3,350.74	1/2	3,653.38	1/2	3,956.02	1/2	4,256.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,053.60	3/4	3,357.05	3/4	3,659.69	3/4	3,962.33	3/4	4,262.47	3/4		3/4		3/4		3/4		3/4	
1	3,059.93	1	3,363.35	1	3,665.99	1	3,968.63	1	4,268.44	1		1		1		1		1	
1/4	3,066.25	1/4	3,369.66	1/4	3,672.30	1/4	3,974.94	1/4	4,273.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,072.57	1/2	3,375.96	1/2	3,678.60	1/2	3,981.24	1/2	4,278.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,078.90	3/4	3,382.27	3/4	3,684.91	3/4	3,987.55	3/4	4,284.00	3/4		3/4		3/4		3/4		3/4	
2	3,085.22	2	3,388.57	2	3,691.21	2	3,993.85	2	4,289.19	2		2		2		2		2	
1/4	3,091.54	1/4	3,394.88	1/4	3,697.52	1/4	4,000.16	1/4	4,293.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,097.87	1/2	3,401.18	1/2	3,703.82	1/2	4,006.46	1/2	4,297.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,104.19	3/4	3,407.49	3/4	3,710.13	3/4	4,012.77	3/4	4,301.59	3/4		3/4		3/4		3/4		3/4	
3	3,110.51	3	3,413.79	3	3,716.43	3	4,019.07	3	4,305.73	3		3		3		3		3	
1/4	3,116.83	1/4	3,420.10	1/4	3,722.74	1/4	4,025.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,123.16	1/2	3,426.40	1/2	3,729.04	1/2	4,031.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,129.48	3/4	3,432.71	3/4	3,735.35	3/4	4,037.99	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,135.80	4	3,439.01	4	3,741.65	4	4,044.29	4		4		4		4		4		4	
1/4	3,142.13	1/4	3,445.32	1/4	3,747.96	1/4	4,050.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,148.45	1/2	3,451.62	1/2	3,754.26	1/2	4,056.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,154.77	3/4	3,457.93	3/4	3,760.57	3/4	4,063.21	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,161.10	5	3,464.23	5	3,766.87	5	4,069.51	5		5		5		5		5		5	
1/4	3,167.42	1/4	3,470.54	1/4	3,773.18	1/4	4,075.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,173.74	1/2	3,476.84	1/2	3,779.48	1/2	4,082.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,180.07	3/4	3,483.15	3/4	3,785.79	3/4	4,088.43	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,186.39	6	3,489.45	6	3,792.09	6	4,094.73	6		6		6		6		6		6	
1/4	3,192.71	1/4	3,495.76	1/4	3,798.40	1/4	4,101.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,199.03	1/2	3,502.06	1/2	3,804.70	1/2	4,107.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,205.36	3/4	3,508.37	3/4	3,811.01	3/4	4,113.56	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,211.68	7	3,514.67	7	3,817.31	7	4,119.83	7		7		7		7		7		7	
1/4	3,218.00	1/4	3,520.98	1/4	3,823.62	1/4	4,126.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,224.33	1/2	3,527.28	1/2	3,829.92	1/2	4,132.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,230.65	3/4	3,533.59	3/4	3,836.23	3/4	4,138.56	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,236.97	8	3,539.89	8	3,842.53	8	4,144.80	8		8		8		8		8		8	
1/4	3,243.30	1/4	3,546.20	1/4	3,848.84	1/4	4,151.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,249.62	1/2	3,552.50	1/2	3,855.14	1/2	4,157.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,255.94	3/4	3,558.81	3/4	3,861.45	3/4	4,163.53	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,262.27	9	3,565.11	9	3,867.75	9	4,169.77	9		9		9		9		9		9	
1/4	3,268.59	1/4	3,571.42	1/4	3,874.06	1/4	4,176.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,274.91	1/2	3,577.72	1/2	3,880.36	1/2	4,182.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,281.24	3/4	3,584.03	3/4	3,886.67	3/4	4,188.50	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,287.56	10	3,590.33	10	3,892.97	10	4,194.74	10		10		10		10		10		10	
1/4	3,293.88	1/4	3,596.64	1/4	3,899.28	1/4	4,200.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,300.20	1/2	3,602.94	1/2	3,905.58	1/2	4,207.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,306.53	3/4	3,609.25	3/4	3,911.89	3/4	4,213.45	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,312.85	11	3,615.55	11	3,918.19	11	4,219.69	11		11		11		11		11		11	
1/4	3,319.17	1/4	3,621.86	1/4	3,924.50	1/4	4,225.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,325.49	1/2	3,628.16	1/2	3,930.80	1/2	4,232.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,331.81	3/4	3,634.47	3/4	3,937.11	3/4	4,238.36	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2020 CL
CALCULATED: 04/06/2020 CL
PRINTED: 04/06/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "MM 324"

3 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	20.92	0	310.53	0	611.85	0	905.76	0	1,205.02	0	1,506.53	0	1,810.61	0	2,114.69	0	2,418.77	0	2,722.85
1/4	25.47	1/4	316.67	1/4	618.19	1/4	911.80	1/4	1,211.21	1/4	1,512.86	1/4	1,816.94	1/4	2,121.02	1/4	2,425.10	1/4	2,729.18
1/2	30.02	1/2	322.80	1/2	624.53	1/2	917.84	1/2	1,217.40	1/2	1,519.20	1/2	1,823.28	1/2	2,127.36	1/2	2,431.44	1/2	2,735.52
3/4	34.58	3/4	328.94	3/4	630.86	3/4	923.88	3/4	1,223.59	3/4	1,525.53	3/4	1,829.61	3/4	2,133.69	3/4	2,437.77	3/4	2,741.85
1	39.13	1	335.08	1	637.20	1	929.92	1	1,229.79	1	1,531.87	1	1,835.95	1	2,140.03	1	2,443.11	1	2,748.19
1/4	44.85	1/4	341.21	1/4	643.53	1/4	935.97	1/4	1,235.98	1/4	1,538.20	1/4	1,842.28	1/4	2,146.36	1/4	2,450.44	1/4	2,754.52
1/2	50.57	1/2	347.35	1/2	649.87	1/2	942.02	1/2	1,242.17	1/2	1,544.54	1/2	1,848.62	1/2	2,152.70	1/2	2,456.78	1/2	2,760.86
3/4	56.30	3/4	353.48	3/4	656.20	3/4	948.07	3/4	1,248.36	3/4	1,550.87	3/4	1,854.95	3/4	2,159.03	3/4	2,463.11	3/4	2,767.19
2	62.02	2	359.62	2	662.54	2	954.12	2	1,254.56	2	1,557.21	2	1,861.29	2	2,165.37	2	2,469.45	2	2,773.53
1/4	68.14	1/4	365.76	1/4	668.88	1/4	960.17	1/4	1,260.75	1/4	1,563.54	1/4	1,867.62	1/4	2,171.70	1/4	2,475.78	1/4	2,779.86
1/2	74.25	1/2	371.89	1/2	675.21	1/2	966.23	1/2	1,266.94	1/2	1,569.88	1/2	1,873.96	1/2	2,178.04	1/2	2,482.12	1/2	2,786.20
3/4	80.36	3/4	378.03	3/4	681.55	3/4	972.29	3/4	1,273.13	3/4	1,576.21	3/4	1,880.29	3/4	2,184.37	3/4	2,488.45	3/4	2,792.53
3	86.48	3	384.16	3	687.88	3	978.34	3	1,279.32	3	1,582.55	3	1,886.63	3	2,190.71	3	2,494.79	3	2,798.87
1/4	92.61	1/4	390.40	1/4	694.07	1/4	984.54	1/4	1,285.52	1/4	1,588.88	1/4	1,892.96	1/4	2,197.04	1/4	2,501.12	1/4	2,805.20
1/2	98.74	1/2	396.64	1/2	700.25	1/2	990.74	1/2	1,291.71	1/2	1,595.22	1/2	1,899.30	1/2	2,203.38	1/2	2,507.46	1/2	2,811.54
3/4	104.87	3/4	402.87	3/4	706.44	3/4	996.93	3/4	1,297.90	3/4	1,601.55	3/4	1,905.63	3/4	2,209.71	3/4	2,513.79	3/4	2,817.87
4	111.00	4	409.11	4	712.62	4	1,003.13	4	1,304.09	4	1,607.89	4	1,911.97	4	2,216.05	4	2,520.13	4	2,824.21
1/4	117.13	1/4	415.44	1/4	718.66	1/4	1,009.47	1/4	1,310.36	1/4	1,614.22	1/4	1,918.30	1/4	2,222.38	1/4	2,526.46	1/4	2,830.54
1/2	123.26	1/2	421.78	1/2	724.69	1/2	1,015.80	1/2	1,316.62	1/2	1,620.56	1/2	1,924.64	1/2	2,228.72	1/2	2,532.80	1/2	2,836.88
3/4	129.40	3/4	428.12	3/4	730.73	3/4	1,022.14	3/4	1,322.88	3/4	1,626.89	3/4	1,930.97	3/4	2,235.05	3/4	2,539.13	3/4	2,843.21
5	135.53	5	434.45	5	736.76	5	1,028.47	5	1,329.15	5	1,633.23	5	1,937.31	5	2,241.39	5	2,545.47	5	2,849.55
1/4	141.77	1/4	440.79	1/4	742.80	1/4	1,034.81	1/4	1,335.48	1/4	1,639.56	1/4	1,943.64	1/4	2,247.72	1/4	2,551.80	1/4	2,855.88
1/2	148.00	1/2	447.12	1/2	748.83	1/2	1,041.15	1/2	1,341.82	1/2	1,645.90	1/2	1,949.98	1/2	2,254.06	1/2	2,558.14	1/2	2,862.22
3/4	154.24	3/4	453.46	3/4	754.87	3/4	1,047.48	3/4	1,348.15	3/4	1,652.23	3/4	1,956.31	3/4	2,260.39	3/4	2,564.47	3/4	2,868.55
6	160.47	6	459.80	6	760.90	6	1,053.82	6	1,354.49	6	1,658.57	6	1,962.65	6	2,266.73	6	2,570.81	6	2,874.89
1/4	166.81	1/4	466.13	1/4	766.94	1/4	1,060.15	1/4	1,360.82	1/4	1,664.90	1/4	1,968.98	1/4	2,273.06	1/4	2,577.14	1/4	2,881.22
1/2	173.14	1/2	472.47	1/2	772.97	1/2	1,066.49	1/2	1,367.16	1/2	1,671.24	1/2	1,975.32	1/2	2,279.40	1/2	2,583.48	1/2	2,887.56
3/4	179.48	3/4	478.80	3/4	779.01	3/4	1,072.83	3/4	1,373.49	3/4	1,677.57	3/4	1,981.65	3/4	2,285.73	3/4	2,589.81	3/4	2,893.89
7	185.82	7	485.14	7	785.05	7	1,079.16	7	1,379.83	7	1,683.91	7	1,987.99	7	2,292.07	7	2,596.15	7	2,900.23
1/4	192.15	1/4	491.47	1/4	791.08	1/4	1,085.50	1/4	1,386.16	1/4	1,690.24	1/4	1,994.32	1/4	2,298.40	1/4	2,602.48	1/4	2,906.56
1/2	198.49	1/2	497.81	1/2	797.12	1/2	1,091.83	1/2	1,392.50	1/2	1,696.58	1/2	2,000.66	1/2	2,304.74	1/2	2,608.82	1/2	2,912.90
3/4	204.82	3/4	504.15	3/4	803.15	3/4	1,098.17	3/4	1,398.83	3/4	1,702.91	3/4	2,006.99	3/4	2,311.07	3/4	2,615.15	3/4	2,919.23
8	211.16	8	510.48	8	809.19	8	1,104.51	8	1,405.17	8	1,709.25	8	2,013.33	8	2,317.41	8	2,621.49	8	2,925.57
1/4	217.49	1/4	516.82	1/4	815.22	1/4	1,110.84	1/4	1,411.50	1/4	1,715.58	1/4	2,019.66	1/4	2,323.74	1/4	2,627.82	1/4	2,931.90
1/2	223.83	1/2	523.15	1/2	821.26	1/2	1,117.18	1/2	1,417.84	1/2	1,721.92	1/2	2,026.00	1/2	2,330.08	1/2	2,634.16	1/2	2,938.24
3/4	230.17	3/4	529.49	3/4	827.29	3/4	1,123.51	3/4	1,424.17	3/4	1,728.25	3/4	2,032.33	3/4	2,336.41	3/4	2,640.49	3/4	2,944.57
9	236.50	9	535.82	9	833.33	9	1,129.85	9	1,430.51	9	1,734.59	9	2,038.67	9	2,342.75	9	2,646.83	9	2,950.91
1/4	242.74	1/4	542.16	1/4	839.36	1/4	1,136.19	1/4	1,436.84	1/4	1,740.92	1/4	2,045.00	1/4	2,349.08	1/4	2,653.16	1/4	2,957.24
1/2	248.97	1/2	548.50	1/2	845.40	1/2	1,142.52	1/2	1,443.18	1/2	1,747.26	1/2	2,051.34	1/2	2,355.42	1/2	2,659.50	1/2	2,963.58
3/4	255.21	3/4	554.83	3/4	851.43	3/4	1,148.86	3/4	1,449.51	3/4	1,753.59	3/4	2,057.67	3/4	2,361.75	3/4	2,665.83	3/4	2,969.91
10	261.44	10	561.17	10	857.47	10	1,155.19	10	1,455.85	10	1,759.93	10	2,064.01	10	2,368.09	10	2,672.17	10	2,976.25
1/4	267.58	1/4	567.50	1/4	863.50	1/4	1,161.46	1/4	1,462.18	1/4	1,766.26	1/4	2,070.34	1/4	2,374.42	1/4	2,678.50	1/4	2,982.58
1/2	273.72	1/2	573.84	1/2	869.54	1/2	1,167.72	1/2	1,468.52	1/2	1,772.60	1/2	2,076.68	1/2	2,380.76	1/2	2,684.84	1/2	2,988.92
3/4	279.85	3/4	580.18	3/4	875.57	3/4	1,173.99	3/4	1,474.85	3/4	1,778.93	3/4	2,083.01	3/4	2,387.09	3/4	2,691.17	3/4	2,995.25
11	285.99	11	586.51	11	881.61	11	1,180.25	11	1,481.19	11	1,785.27	11	2,089.35	11	2,393.43	11	2,697.51	11	3,001.59
1/4	292.12	1/4	592.85	1/4	887.65	1/4	1,186.44	1/4	1,487.52	1/4	1,791.60	1/4	2,095.68	1/4	2,399.76	1/4	2,703.84	1/4	3,007.92
1/2	298.26	1/2	599.18	1/2	893.69	1/2	1,192.63	1/2	1,493.86	1/2	1,797.94	1/2	2,102.02	1/2	2,406.10	1/2	2,710.18	1/2	3,014.26
3/4	304.40	3/4	605.52	3/4	899.72	3/4	1,198.83	3/4	1,500.19	3/4	1,804.27	3/4	2,108.35	3/4	2,412.43	3/4	2,716.51	3/4	3,020.59

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.

GAUGE POINT: (MMC - TOP OF THREADS) LOCATED 12'-08" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "MM 324"

3 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	3,026.93	0	3,330.97	0	3,634.18	0	3,937.39	0	4,239.13	0		0		0		0		0	
1/4	3,033.26	1/4	3,337.29	1/4	3,640.50	1/4	3,943.70	1/4	4,245.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,039.60	1/2	3,343.61	1/2	3,646.81	1/2	3,950.02	1/2	4,251.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,045.93	3/4	3,349.92	3/4	3,653.13	3/4	3,956.34	3/4	4,257.06	3/4		3/4		3/4		3/4		3/4	
1	3,052.27	1	3,356.24	1	3,659.45	1	3,962.65	1	4,263.03	1		1		1		1		1	
1/4	3,058.60	1/4	3,362.56	1/4	3,665.76	1/4	3,968.97	1/4	4,268.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,064.94	1/2	3,368.87	1/2	3,672.08	1/2	3,975.29	1/2	4,273.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,071.27	3/4	3,375.19	3/4	3,678.40	3/4	3,981.60	3/4	4,278.62	3/4		3/4		3/4		3/4		3/4	
2	3,077.61	2	3,381.51	2	3,684.71	2	3,987.92	2	4,283.82	2		2		2		2		2	
1/4	3,083.94	1/4	3,387.82	1/4	3,691.03	1/4	3,994.24	1/4	4,287.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,090.28	1/2	3,394.14	1/2	3,697.35	1/2	4,000.55	1/2	4,292.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,096.61	3/4	3,400.46	3/4	3,703.66	3/4	4,006.87	3/4	4,296.25	3/4		3/4		3/4		3/4		3/4	
3	3,102.95	3	3,406.77	3	3,709.98	3	4,013.19	3	4,300.39	3		3		3		3		3	
1/4	3,109.28	1/4	3,413.09	1/4	3,716.30	1/4	4,019.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,115.62	1/2	3,419.41	1/2	3,722.61	1/2	4,025.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,121.95	3/4	3,425.72	3/4	3,728.93	3/4	4,032.14	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,128.29	4	3,432.04	4	3,735.25	4	4,038.45	4		4		4		4		4		4	
1/4	3,134.62	1/4	3,438.36	1/4	3,741.56	1/4	4,044.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,140.96	1/2	3,444.67	1/2	3,747.88	1/2	4,051.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,147.29	3/4	3,450.99	3/4	3,754.20	3/4	4,057.40	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,153.63	5	3,457.31	5	3,760.51	5	4,063.72	5		5		5		5		5		5	
1/4	3,159.96	1/4	3,463.63	1/4	3,766.83	1/4	4,070.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,166.30	1/2	3,469.94	1/2	3,773.15	1/2	4,076.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,172.63	3/4	3,476.26	3/4	3,779.47	3/4	4,082.67	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,178.97	6	3,482.58	6	3,785.78	6	4,088.99	6		6		6		6		6		6	
1/4	3,185.30	1/4	3,488.89	1/4	3,792.10	1/4	4,095.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,191.64	1/2	3,495.21	1/2	3,798.42	1/2	4,101.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,197.97	3/4	3,501.53	3/4	3,804.73	3/4	4,107.85	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,204.31	7	3,507.84	7	3,811.05	7	4,114.14	7		7		7		7		7		7	
1/4	3,210.64	1/4	3,514.16	1/4	3,817.37	1/4	4,120.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,216.98	1/2	3,520.48	1/2	3,823.68	1/2	4,126.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,223.31	3/4	3,526.79	3/4	3,830.00	3/4	4,132.90	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,229.65	8	3,533.11	8	3,836.32	8	4,139.16	8		8		8		8		8		8	
1/4	3,235.98	1/4	3,539.43	1/4	3,842.63	1/4	4,145.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,242.32	1/2	3,545.74	1/2	3,848.95	1/2	4,151.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,248.65	3/4	3,552.06	3/4	3,855.27	3/4	4,157.92	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,254.99	9	3,558.38	9	3,861.58	9	4,164.17	9		9		9		9		9		9	
1/4	3,261.32	1/4	3,564.69	1/4	3,867.90	1/4	4,170.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,267.66	1/2	3,571.01	1/2	3,874.22	1/2	4,176.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,273.99	3/4	3,577.33	3/4	3,880.53	3/4	4,182.94	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,280.33	10	3,583.64	10	3,886.85	10	4,189.19	10		10		10		10		10		10	
1/4	3,286.66	1/4	3,589.96	1/4	3,893.17	1/4	4,195.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,293.00	1/2	3,596.28	1/2	3,899.48	1/2	4,201.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,299.33	3/4	3,602.59	3/4	3,905.80	3/4	4,207.94	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,305.67	11	3,608.91	11	3,912.12	11	4,214.19	11		11		11		11		11		11	
1/4	3,311.99	1/4	3,615.23	1/4	3,918.43	1/4	4,220.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,318.32	1/2	3,621.55	1/2	3,924.75	1/2	4,226.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,324.65	3/4	3,627.86	3/4	3,931.07	3/4	4,232.90	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2020 CL
CALCULATED: 04/06/2020 CL
PRINTED: 04/06/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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



BARGE "MM 324"

3 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

Table with columns for height (IN) and capacity (0 FT. to 9 FT.) for various gauge heights (0, 1/4, 1/2, 3/4).

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. GAUGE POINT: (MMC - TOP OF THREADS) LOCATED 12'-08" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD. GAUGE POINT: (8" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

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Signature of PMA representative



BARGE "MM 324"

3 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	3,031.84	0	3,335.04	0	3,637.40	0	3,939.76	0	4,240.66	0		0		0		0		0	
1/4	3,038.16	1/4	3,341.34	1/4	3,643.70	1/4	3,946.06	1/4	4,246.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,044.47	1/2	3,347.64	1/2	3,650.00	1/2	3,952.36	1/2	4,252.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,050.79	3/4	3,353.94	3/4	3,656.30	3/4	3,958.66	3/4	4,258.53	3/4		3/4		3/4		3/4		3/4	
1	3,057.11	1	3,360.24	1	3,662.60	1	3,964.96	1	4,264.49	1		1		1		1		1	
1/4	3,063.43	1/4	3,366.54	1/4	3,668.90	1/4	3,971.26	1/4	4,269.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,069.74	1/2	3,372.84	1/2	3,675.20	1/2	3,977.56	1/2	4,274.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,076.06	3/4	3,379.14	3/4	3,681.50	3/4	3,983.86	3/4	4,280.04	3/4		3/4		3/4		3/4		3/4	
2	3,082.38	2	3,385.43	2	3,687.80	2	3,990.16	2	4,285.22	2		2		2		2		2	
1/4	3,088.70	1/4	3,391.73	1/4	3,694.10	1/4	3,996.46	1/4	4,289.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,095.01	1/2	3,398.03	1/2	3,700.39	1/2	4,002.76	1/2	4,293.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,101.33	3/4	3,404.33	3/4	3,706.69	3/4	4,009.06	3/4	4,297.61	3/4		3/4		3/4		3/4		3/4	
3	3,107.65	3	3,410.63	3	3,412.99	3	4,015.35	3	4,301.74	3		3		3		3		3	
1/4	3,113.96	1/4	3,416.93	1/4	3,719.29	1/4	4,021.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,120.28	1/2	3,423.23	1/2	3,725.59	1/2	4,027.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,126.60	3/4	3,429.53	3/4	3,731.89	3/4	4,034.25	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,132.92	4	3,435.83	4	3,738.19	4	4,040.55	4		4		4		4		4		4	
1/4	3,139.23	1/4	3,442.13	1/4	3,744.49	1/4	4,046.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,145.55	1/2	3,448.43	1/2	3,750.79	1/2	4,053.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,151.87	3/4	3,454.73	3/4	3,757.09	3/4	4,059.45	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,158.19	5	3,461.03	5	3,763.39	5	4,065.75	5		5		5		5		5		5	
1/4	3,164.50	1/4	3,467.32	1/4	3,769.69	1/4	4,072.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,170.82	1/2	3,473.62	1/2	3,775.99	1/2	4,078.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,177.14	3/4	3,479.92	3/4	3,782.28	3/4	4,084.65	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,183.45	6	3,486.22	6	3,788.58	6	4,090.95	6		6		6		6		6		6	
1/4	3,189.77	1/4	3,492.52	1/4	3,794.88	1/4	4,097.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,196.09	1/2	3,498.82	1/2	3,801.18	1/2	4,103.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,202.41	3/4	3,505.12	3/4	3,807.48	3/4	4,109.75	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,208.72	7	3,511.42	7	3,813.78	7	4,116.02	7		7		7		7		7		7	
1/4	3,215.04	1/4	3,517.72	1/4	3,820.08	1/4	4,122.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,221.36	1/2	3,524.02	1/2	3,826.38	1/2	4,128.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,227.68	3/4	3,530.32	3/4	3,832.68	3/4	4,134.73	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,233.99	8	3,536.62	8	3,838.98	8	4,140.97	8		8		8		8		8		8	
1/4	3,240.31	1/4	3,542.91	1/4	3,845.28	1/4	4,147.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,246.63	1/2	3,549.21	1/2	3,851.58	1/2	4,153.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,252.95	3/4	3,555.51	3/4	3,857.87	3/4	4,159.68	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,259.26	9	3,561.81	9	3,864.17	9	4,165.92	9		9		9		9		9		9	
1/4	3,265.58	1/4	3,568.11	1/4	3,870.47	1/4	4,172.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,271.90	1/2	3,574.41	1/2	3,876.77	1/2	4,178.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,278.21	3/4	3,580.71	3/4	3,883.07	3/4	4,184.62	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,284.53	10	3,587.01	10	3,889.37	10	4,190.86	10		10		10		10		10		10	
1/4	3,290.85	1/4	3,593.31	1/4	3,895.67	1/4	4,197.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,297.17	1/2	3,599.61	1/2	3,901.97	1/2	4,203.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,303.48	3/4	3,605.91	3/4	3,908.27	3/4	4,209.55	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,309.80	11	3,612.21	11	3,914.57	11	4,215.79	11		11		11		11		11		11	
1/4	3,316.11	1/4	3,618.51	1/4	3,920.87	1/4	4,222.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,322.42	1/2	3,624.80	1/2	3,927.17	1/2	4,228.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,328.73	3/4	3,631.10	3/4	3,933.47	3/4	4,234.44	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2020 CL
CALCULATED: 04/06/2020 CL
PRINTED: 04/06/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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