



BARGE "401"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
1 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
2 PORT	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 00-7/8	00-7/8	- 01-1/8	01-1/8
2 STBD	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 00-7/8	00-7/8	- 01-1/8	01-1/8
3 PORT	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-6/8	00-6/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8
3 STBD	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-6/8	00-6/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8
4 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
4 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
5 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
5 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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

June 29, 2022

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "401"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-02 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	8.31	0	199.39	0	398.78	0	598.18	0	797.57	0	996.96	0	1,196.35	0	1,395.74	0	1,595.14	0	1,794.48
1/4	10.91	1/4	203.55	1/4	402.93	1/4	602.33	1/4	801.72	1/4	1,001.12	1/4	1,200.51	1/4	1,399.89	1/4	1,599.29	1/4	1,798.61
1/2	13.51	1/2	207.70	1/2	407.09	1/2	606.48	1/2	805.87	1/2	1,005.27	1/2	1,204.66	1/2	1,404.05	1/2	1,603.44	1/2	1,802.74
3/4	16.10	3/4	211.86	3/4	411.24	3/4	610.64	3/4	810.03	3/4	1,009.43	3/4	1,208.82	3/4	1,408.20	3/4	1,607.60	3/4	1,806.87
1	18.70	1	216.01	1	415.40	1	614.79	1	814.18	1	1,013.58	1	1,212.97	1	1,412.36	1	1,611.75	1	1,811.00
1/4	22.33	1/4	220.16	1/4	419.55	1/4	618.94	1/4	818.33	1/4	1,017.73	1/4	1,217.12	1/4	1,416.51	1/4	1,615.90	1/4	1,815.13
1/2	25.97	1/2	224.32	1/2	423.71	1/2	623.10	1/2	822.49	1/2	1,021.89	1/2	1,221.28	1/2	1,420.67	1/2	1,620.06	1/2	1,819.26
3/4	29.60	3/4	228.47	3/4	427.86	3/4	627.25	3/4	826.64	3/4	1,026.04	3/4	1,225.43	3/4	1,424.82	3/4	1,624.21	3/4	1,823.39
2	33.23	2	232.62	2	432.02	2	631.41	2	830.80	2	1,030.19	2	1,229.58	2	1,428.98	2	1,628.37	2	1,827.52
1/4	37.39	1/4	236.78	1/4	436.17	1/4	635.56	1/4	834.95	1/4	1,034.35	1/4	1,233.74	1/4	1,433.13	1/4	1,632.52	1/4	1,831.65
1/2	41.54	1/2	240.93	1/2	440.32	1/2	639.71	1/2	839.11	1/2	1,038.50	1/2	1,237.89	1/2	1,437.28	1/2	1,636.67	1/2	1,835.78
3/4	45.70	3/4	245.09	3/4	444.48	3/4	643.87	3/4	843.26	3/4	1,042.66	3/4	1,242.05	3/4	1,441.44	3/4	1,640.83	3/4	1,839.91
3	49.85	3	249.24	3	448.63	3	648.02	3	847.42	3	1,046.81	3	1,246.20	3	1,445.59	3	1,644.98	3	1,844.04
1/4	54.00	1/4	253.40	1/4	452.78	1/4	652.17	1/4	851.57	1/4	1,050.96	1/4	1,250.36	1/4	1,449.74	1/4	1,649.13	1/4	1,848.17
1/2	58.16	1/2	257.55	1/2	456.94	1/2	656.33	1/2	855.72	1/2	1,055.12	1/2	1,254.51	1/2	1,453.90	1/2	1,653.29	1/2	1,852.30
3/4	62.31	3/4	261.71	3/4	461.09	3/4	660.48	3/4	859.88	3/4	1,059.27	3/4	1,258.67	3/4	1,458.05	3/4	1,657.44	3/4	1,856.43
4	66.46	4	265.86	4	465.25	4	664.64	4	864.03	4	1,063.42	4	1,262.82	4	1,462.21	4	1,661.60	4	1,860.56
1/4	70.62	1/4	270.01	1/4	469.40	1/4	668.79	1/4	868.18	1/4	1,067.58	1/4	1,266.97	1/4	1,466.36	1/4	1,665.75	1/4	1,864.69
1/2	74.77	1/2	274.17	1/2	473.55	1/2	672.95	1/2	872.34	1/2	1,071.73	1/2	1,271.13	1/2	1,470.51	1/2	1,669.91	1/2	1,868.82
3/4	78.93	3/4	278.32	3/4	477.71	3/4	677.10	3/4	876.49	3/4	1,075.89	3/4	1,275.28	3/4	1,474.67	3/4	1,674.06	3/4	1,872.95
5	83.08	5	282.47	5	481.86	5	681.26	5	880.65	5	1,080.04	5	1,279.43	5	1,478.82	5	1,678.22	5	1,877.08
1/4	87.24	1/4	286.63	1/4	486.01	1/4	685.41	1/4	884.80	1/4	1,084.20	1/4	1,283.59	1/4	1,482.97	1/4	1,682.37	1/4	1,881.21
1/2	91.39	1/2	290.78	1/2	490.17	1/2	689.56	1/2	888.95	1/2	1,088.35	1/2	1,287.74	1/2	1,487.13	1/2	1,686.52	1/2	1,885.34
3/4	95.55	3/4	294.94	3/4	494.32	3/4	693.72	3/4	893.11	3/4	1,092.51	3/4	1,291.90	3/4	1,491.28	3/4	1,690.68	3/4	1,889.47
6	99.70	6	299.09	6	498.48	6	697.87	6	897.26	6	1,096.66	6	1,296.05	6	1,495.44	6	1,694.83	6	1,893.60
1/4	103.85	1/4	303.24	1/4	502.63	1/4	702.02	1/4	901.41	1/4	1,100.81	1/4	1,300.20	1/4	1,499.59	1/4	1,698.98	1/4	1,897.73
1/2	108.01	1/2	307.40	1/2	506.79	1/2	706.18	1/2	905.57	1/2	1,104.97	1/2	1,304.35	1/2	1,503.75	1/2	1,703.14	1/2	1,901.86
3/4	112.16	3/4	311.55	3/4	510.94	3/4	710.33	3/4	909.72	3/4	1,109.12	3/4	1,308.51	3/4	1,507.90	3/4	1,707.29	3/4	1,905.99
7	116.31	7	315.70	7	515.10	7	714.49	7	913.88	7	1,113.27	7	1,312.66	7	1,512.06	7	1,711.45	7	1,910.12
1/4	120.47	1/4	319.86	1/4	519.25	1/4	718.64	1/4	918.03	1/4	1,117.43	1/4	1,316.81	1/4	1,516.21	1/4	1,715.60	1/4	1,914.25
1/2	124.62	1/2	324.01	1/2	523.40	1/2	722.79	1/2	922.19	1/2	1,121.58	1/2	1,320.97	1/2	1,520.36	1/2	1,719.75	1/2	1,918.38
3/4	128.78	3/4	328.17	3/4	527.56	3/4	726.95	3/4	926.34	3/4	1,125.74	3/4	1,325.12	3/4	1,524.52	3/4	1,723.91	3/4	1,922.51
8	132.93	8	332.32	8	531.71	8	731.10	8	930.50	8	1,129.89	8	1,329.28	8	1,528.67	8	1,728.06	8	1,926.64
1/4	137.08	1/4	336.48	1/4	535.86	1/4	735.25	1/4	934.65	1/4	1,134.04	1/4	1,333.43	1/4	1,532.82	1/4	1,732.21	1/4	1,930.77
1/2	141.24	1/2	340.63	1/2	540.02	1/2	739.41	1/2	938.80	1/2	1,138.20	1/2	1,337.59	1/2	1,536.98	1/2	1,736.37	1/2	1,934.90
3/4	145.39	3/4	344.79	3/4	544.17	3/4	743.56	3/4	942.96	3/4	1,142.35	3/4	1,341.74	3/4	1,541.13	3/4	1,740.52	3/4	1,939.03
9	149.54	9	348.94	9	548.33	9	747.72	9	947.11	9	1,146.50	9	1,345.90	9	1,545.29	9	1,744.68	9	1,943.16
1/4	153.70	1/4	353.09	1/4	552.48	1/4	751.87	1/4	951.26	1/4	1,150.66	1/4	1,350.05	1/4	1,549.44	1/4	1,748.83	1/4	1,947.29
1/2	157.85	1/2	357.24	1/2	556.63	1/2	756.03	1/2	955.42	1/2	1,154.81	1/2	1,354.20	1/2	1,553.59	1/2	1,752.99	1/2	1,951.42
3/4	162.01	3/4	361.40	3/4	560.79	3/4	760.18	3/4	959.57	3/4	1,158.97	3/4	1,358.36	3/4	1,557.75	3/4	1,757.14	3/4	1,955.55
10	166.16	10	365.55	10	564.94	10	764.34	10	963.73	10	1,163.12	10	1,362.51	10	1,561.90	10	1,761.30	10	1,959.68
1/4	170.32	1/4	369.70	1/4	569.09	1/4	768.49	1/4	967.88	1/4	1,167.28	1/4	1,366.66	1/4	1,566.05	1/4	1,765.45	1/4	1,963.81
1/2	174.47	1/2	373.86	1/2	573.25	1/2	772.65	1/2	972.03	1/2	1,171.43	1/2	1,370.82	1/2	1,570.21	1/2	1,769.60	1/2	1,967.94
3/4	178.63	3/4	378.01	3/4	577.40	3/4	776.80	3/4	976.19	3/4	1,175.59	3/4	1,374.97	3/4	1,574.36	3/4	1,773.76	3/4	1,972.07
11	182.78	11	382.17	11	581.56	11	780.96	11	980.34	11	1,179.74	11	1,379.13	11	1,578.52	11	1,777.91	11	1,976.20
1/4	186.93	1/4	386.32	1/4	585.71	1/4	785.11	1/4	984.49	1/4	1,183.89	1/4	1,383.28	1/4	1,582.67	1/4	1,782.05	1/4	1,980.33
1/2	191.09	1/2	390.47	1/2	589.87	1/2	789.26	1/2	988.65	1/2	1,188.05	1/2	1,387.43	1/2	1,586.83	1/2	1,786.19	1/2	1,984.46
3/4	195.24	3/4	394.63	3/4	594.02	3/4	793.42	3/4	992.80	3/4	1,192.20	3/4	1,391.59	3/4	1,590.98	3/4	1,790.34	3/4	1,988.59

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE.

GAUGE POINT: (MMC VALVE) LOCATED 10'-09" OFF CENTERLINE AND 26'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "401"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-02 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	1,992.72	0		0		0		0		0		0		0		0		0	
1/4	1,996.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,000.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,005.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,009.24	1		1		1		1		1		1		1		1		1	
1/4	2,013.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,017.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,021.63	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,025.76	2		2		2		2		2		2		2		2		2	
1/4	2,029.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,034.02	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,038.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,042.28	3		3		3		3		3		3		3		3		3	
1/4	2,046.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,050.54	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,054.67	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,058.80	4		4		4		4		4		4		4		4		4	
1/4	2,062.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,067.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,071.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,075.32	5		5		5		5		5		5		5		5		5	
1/4	2,079.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,083.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,087.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,091.84	6		6		6		6		6		6		6		6		6	
1/4	2,095.97	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,099.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,103.10	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,106.85	7		7		7		7		7		7		7		7		7	
1/4	2,109.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,112.84	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,115.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,118.83	8		8		8		8		8		8		8		8		8	
1/4	2,121.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,123.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,125.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,127.80	9		9		9		9		9		9		9		9		9	
1/4	2,129.29	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,130.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,132.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,133.74	10		10		10		10		10		10		10		10		10	
1/4	2,134.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,135.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,135.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,136.67	11		11		11		11		11		11		11		11		11	
1/4	2,136.84	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,137.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2002 INSP.
 RECALCULATED: 06/28/2022 PMA
 REPRINTED: 06/28/2022 PMA

CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2022

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



BARGE "401"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	8.31	0	199.39	0	398.78	0	598.18	0	797.57	0	996.96	0	1,196.35	0	1,395.74	0	1,595.14	0	1,794.48
1/4	10.91	1/4	203.55	1/4	402.93	1/4	602.33	1/4	801.72	1/4	1,001.12	1/4	1,200.51	1/4	1,399.89	1/4	1,599.29	1/4	1,798.61
1/2	13.51	1/2	207.70	1/2	407.09	1/2	606.48	1/2	805.87	1/2	1,005.27	1/2	1,204.66	1/2	1,404.05	1/2	1,603.44	1/2	1,802.74
3/4	16.10	3/4	211.86	3/4	411.24	3/4	610.64	3/4	810.03	3/4	1,009.43	3/4	1,208.82	3/4	1,408.20	3/4	1,607.60	3/4	1,806.87
1	18.70	1	216.01	1	415.40	1	614.79	1	814.18	1	1,013.58	1	1,212.97	1	1,412.36	1	1,611.75	1	1,811.00
1/4	22.33	1/4	220.16	1/4	419.55	1/4	618.94	1/4	818.33	1/4	1,017.73	1/4	1,217.12	1/4	1,416.51	1/4	1,615.90	1/4	1,815.13
1/2	25.97	1/2	224.32	1/2	423.71	1/2	623.10	1/2	822.49	1/2	1,021.89	1/2	1,221.28	1/2	1,420.67	1/2	1,620.06	1/2	1,819.26
3/4	29.60	3/4	228.47	3/4	427.86	3/4	627.25	3/4	826.64	3/4	1,026.04	3/4	1,225.43	3/4	1,424.82	3/4	1,624.21	3/4	1,823.39
2	33.23	2	232.62	2	432.02	2	631.41	2	830.80	2	1,030.19	2	1,229.58	2	1,428.98	2	1,628.37	2	1,827.52
1/4	37.39	1/4	236.78	1/4	436.17	1/4	635.56	1/4	834.95	1/4	1,034.35	1/4	1,233.74	1/4	1,433.13	1/4	1,632.52	1/4	1,831.65
1/2	41.54	1/2	240.93	1/2	440.32	1/2	639.71	1/2	839.11	1/2	1,038.50	1/2	1,237.89	1/2	1,437.28	1/2	1,636.67	1/2	1,835.78
3/4	45.70	3/4	245.09	3/4	444.48	3/4	643.87	3/4	843.26	3/4	1,042.66	3/4	1,242.05	3/4	1,441.44	3/4	1,640.83	3/4	1,839.91
3	49.85	3	249.24	3	448.63	3	648.02	3	847.42	3	1,046.81	3	1,246.20	3	1,445.59	3	1,644.98	3	1,844.04
1/4	54.00	1/4	253.40	1/4	452.78	1/4	652.17	1/4	851.57	1/4	1,050.96	1/4	1,250.36	1/4	1,449.74	1/4	1,649.13	1/4	1,848.17
1/2	58.16	1/2	257.55	1/2	456.94	1/2	656.33	1/2	855.72	1/2	1,055.12	1/2	1,254.51	1/2	1,453.90	1/2	1,653.29	1/2	1,852.30
3/4	62.31	3/4	261.71	3/4	461.09	3/4	660.48	3/4	859.88	3/4	1,059.27	3/4	1,258.67	3/4	1,458.05	3/4	1,657.44	3/4	1,856.43
4	66.46	4	265.86	4	465.25	4	664.64	4	864.03	4	1,063.42	4	1,262.82	4	1,462.21	4	1,661.60	4	1,860.56
1/4	70.62	1/4	270.01	1/4	469.40	1/4	668.79	1/4	868.18	1/4	1,067.58	1/4	1,266.97	1/4	1,466.36	1/4	1,665.75	1/4	1,864.69
1/2	74.77	1/2	274.17	1/2	473.55	1/2	672.95	1/2	872.34	1/2	1,071.73	1/2	1,271.13	1/2	1,470.51	1/2	1,669.91	1/2	1,868.82
3/4	78.93	3/4	278.32	3/4	477.71	3/4	677.10	3/4	876.49	3/4	1,075.89	3/4	1,275.28	3/4	1,474.67	3/4	1,674.06	3/4	1,872.95
5	83.08	5	282.47	5	481.86	5	681.26	5	880.65	5	1,080.04	5	1,279.43	5	1,478.82	5	1,678.22	5	1,877.08
1/4	87.24	1/4	286.63	1/4	486.01	1/4	685.41	1/4	884.80	1/4	1,084.20	1/4	1,283.59	1/4	1,482.97	1/4	1,682.37	1/4	1,881.21
1/2	91.39	1/2	290.78	1/2	490.17	1/2	689.56	1/2	888.95	1/2	1,088.35	1/2	1,287.74	1/2	1,487.13	1/2	1,686.52	1/2	1,885.34
3/4	95.55	3/4	294.94	3/4	494.32	3/4	693.72	3/4	893.11	3/4	1,092.51	3/4	1,291.90	3/4	1,491.28	3/4	1,690.68	3/4	1,889.47
6	99.70	6	299.09	6	498.48	6	697.87	6	897.26	6	1,096.66	6	1,296.05	6	1,495.44	6	1,694.83	6	1,893.60
1/4	103.85	1/4	303.24	1/4	502.63	1/4	702.02	1/4	901.41	1/4	1,100.81	1/4	1,300.20	1/4	1,499.59	1/4	1,698.98	1/4	1,897.73
1/2	108.01	1/2	307.40	1/2	506.79	1/2	706.18	1/2	905.57	1/2	1,104.97	1/2	1,304.35	1/2	1,503.75	1/2	1,703.14	1/2	1,901.86
3/4	112.16	3/4	311.55	3/4	510.94	3/4	710.33	3/4	909.72	3/4	1,109.12	3/4	1,308.51	3/4	1,507.90	3/4	1,707.29	3/4	1,905.99
7	116.31	7	315.70	7	515.10	7	714.49	7	913.88	7	1,113.27	7	1,312.66	7	1,512.06	7	1,711.45	7	1,910.12
1/4	120.47	1/4	319.86	1/4	519.25	1/4	718.64	1/4	918.03	1/4	1,117.43	1/4	1,316.81	1/4	1,516.21	1/4	1,715.60	1/4	1,914.25
1/2	124.62	1/2	324.01	1/2	523.40	1/2	722.79	1/2	922.19	1/2	1,121.58	1/2	1,320.97	1/2	1,520.36	1/2	1,719.75	1/2	1,918.38
3/4	128.78	3/4	328.17	3/4	527.56	3/4	726.95	3/4	926.34	3/4	1,125.74	3/4	1,325.12	3/4	1,524.52	3/4	1,723.91	3/4	1,922.51
8	132.93	8	332.32	8	531.71	8	731.10	8	930.50	8	1,129.89	8	1,329.28	8	1,528.67	8	1,728.06	8	1,926.64
1/4	137.08	1/4	336.48	1/4	535.86	1/4	735.25	1/4	934.65	1/4	1,134.04	1/4	1,333.43	1/4	1,532.82	1/4	1,732.21	1/4	1,930.77
1/2	141.24	1/2	340.63	1/2	540.02	1/2	739.41	1/2	938.80	1/2	1,138.20	1/2	1,337.59	1/2	1,536.98	1/2	1,736.37	1/2	1,934.90
3/4	145.39	3/4	344.79	3/4	544.17	3/4	743.56	3/4	942.96	3/4	1,142.35	3/4	1,341.74	3/4	1,541.13	3/4	1,740.52	3/4	1,939.03
9	149.54	9	348.94	9	548.33	9	747.72	9	947.11	9	1,146.50	9	1,345.90	9	1,545.29	9	1,744.68	9	1,943.16
1/4	153.70	1/4	353.09	1/4	552.48	1/4	751.87	1/4	951.26	1/4	1,150.66	1/4	1,350.05	1/4	1,549.44	1/4	1,748.83	1/4	1,947.29
1/2	157.85	1/2	357.24	1/2	556.63	1/2	756.03	1/2	955.42	1/2	1,154.81	1/2	1,354.20	1/2	1,553.59	1/2	1,752.99	1/2	1,951.42
3/4	162.01	3/4	361.40	3/4	560.79	3/4	760.18	3/4	959.57	3/4	1,158.97	3/4	1,358.36	3/4	1,557.75	3/4	1,757.14	3/4	1,955.55
10	166.16	10	365.55	10	564.94	10	764.34	10	963.73	10	1,163.12	10	1,362.51	10	1,561.90	10	1,761.30	10	1,959.68
1/4	170.32	1/4	369.70	1/4	569.09	1/4	768.49	1/4	967.88	1/4	1,167.28	1/4	1,366.66	1/4	1,566.05	1/4	1,765.45	1/4	1,963.81
1/2	174.47	1/2	373.86	1/2	573.25	1/2	772.65	1/2	972.03	1/2	1,171.43	1/2	1,370.82	1/2	1,570.21	1/2	1,769.60	1/2	1,967.94
3/4	178.63	3/4	378.01	3/4	577.40	3/4	776.80	3/4	976.19	3/4	1,175.59	3/4	1,374.97	3/4	1,574.36	3/4	1,773.76	3/4	1,972.07
11	182.78	11	382.17	11	581.56	11	780.96	11	980.34	11	1,179.74	11	1,379.13	11	1,578.52	11	1,777.91	11	1,976.20
1/4	186.93	1/4	386.32	1/4	585.71	1/4	785.11	1/4	984.49	1/4	1,183.89	1/4	1,383.28	1/4	1,582.67	1/4	1,782.05	1/4	1,980.33
1/2	191.09	1/2	390.47	1/2	589.87	1/2	789.26	1/2	988.65	1/2	1,188.05	1/2	1,387.43	1/2	1,586.83	1/2	1,786.19	1/2	1,984.46
3/4	195.24	3/4	394.63	3/4	594.02	3/4	793.42	3/4	992.80	3/4	1,192.20	3/4	1,391.59	3/4	1,590.98	3/4	1,790.34	3/4	1,988.59

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE.
 GAUGE POINT: (MMC VALVE) LOCATED 10'-09" OFF CENTERLINE AND 26'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "401"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-02 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	1,992.72	0		0		0		0		0		0		0		0		0	
1/4	1,996.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,000.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,005.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,009.24	1		1		1		1		1		1		1		1		1	
1/4	2,013.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,017.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,021.63	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,025.76	2		2		2		2		2		2		2		2		2	
1/4	2,029.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,034.02	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,038.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,042.28	3		3		3		3		3		3		3		3		3	
1/4	2,046.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,050.54	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,054.67	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,058.80	4		4		4		4		4		4		4		4		4	
1/4	2,062.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,067.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,071.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,075.32	5		5		5		5		5		5		5		5		5	
1/4	2,079.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,083.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,087.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,091.84	6		6		6		6		6		6		6		6		6	
1/4	2,095.97	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,099.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,103.10	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,106.85	7		7		7		7		7		7		7		7		7	
1/4	2,109.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,112.84	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,115.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,118.83	8		8		8		8		8		8		8		8		8	
1/4	2,121.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,123.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,125.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,127.80	9		9		9		9		9		9		9		9		9	
1/4	2,129.29	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,130.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,132.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,133.74	10		10		10		10		10		10		10		10		10	
1/4	2,134.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,135.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,135.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,136.67	11		11		11		11		11		11		11		11		11	
1/4	2,136.84	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,137.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2002 INSP.
 RECALCULATED: 06/28/2022 PMA
 REPRINTED: 06/28/2022 PMA

CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2022

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



BARGE "401"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-03"

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	8.24	0	197.57	0	395.14	0	592.70	0	790.27	0	987.84	0	1,185.41	0	1,382.98	0	1,580.54	0	1,778.06
1/4	10.81	1/4	201.69	1/4	399.26	1/4	596.82	1/4	794.39	1/4	991.95	1/4	1,189.53	1/4	1,387.10	1/4	1,584.66	1/4	1,782.15
1/2	13.39	1/2	205.80	1/2	403.37	1/2	600.94	1/2	798.51	1/2	996.07	1/2	1,193.64	1/2	1,391.21	1/2	1,588.78	1/2	1,786.25
3/4	15.96	3/4	209.92	3/4	407.49	3/4	605.05	3/4	802.62	3/4	1,000.19	3/4	1,197.76	3/4	1,395.33	3/4	1,592.89	3/4	1,790.34
1	18.53	1	214.03	1	411.60	1	609.17	1	806.74	1	1,004.30	1	1,201.87	1	1,399.44	1	1,597.01	1	1,794.43
1/4	22.13	1/4	218.15	1/4	415.72	1/4	613.29	1/4	810.86	1/4	1,008.42	1/4	1,205.99	1/4	1,403.56	1/4	1,601.13	1/4	1,798.52
1/2	25.73	1/2	222.27	1/2	419.83	1/2	617.40	1/2	814.97	1/2	1,012.54	1/2	1,210.11	1/2	1,407.67	1/2	1,605.24	1/2	1,802.62
3/4	29.33	3/4	226.38	3/4	423.95	3/4	621.52	3/4	819.09	3/4	1,016.65	3/4	1,214.22	3/4	1,411.79	3/4	1,609.36	3/4	1,806.71
2	32.93	2	230.50	2	428.06	2	625.63	2	823.20	2	1,020.77	2	1,218.34	2	1,415.90	2	1,613.47	2	1,810.80
1/4	37.05	1/4	234.62	1/4	432.18	1/4	629.75	1/4	827.32	1/4	1,024.89	1/4	1,222.46	1/4	1,420.02	1/4	1,617.59	1/4	1,814.89
1/2	41.16	1/2	238.73	1/2	436.30	1/2	633.87	1/2	831.43	1/2	1,029.00	1/2	1,226.57	1/2	1,424.14	1/2	1,621.71	1/2	1,818.99
3/4	45.28	3/4	242.85	3/4	440.41	3/4	637.98	3/4	835.55	3/4	1,033.12	3/4	1,230.69	3/4	1,428.25	3/4	1,625.82	3/4	1,823.08
3	49.39	3	246.96	3	444.53	3	642.10	3	839.66	3	1,037.23	3	1,234.80	3	1,432.37	3	1,629.94	3	1,827.17
1/4	53.51	1/4	251.08	1/4	448.65	1/4	646.22	1/4	843.78	1/4	1,041.35	1/4	1,238.92	1/4	1,436.49	1/4	1,634.06	1/4	1,831.26
1/2	57.63	1/2	255.19	1/2	452.76	1/2	650.33	1/2	847.90	1/2	1,045.47	1/2	1,243.03	1/2	1,440.60	1/2	1,638.17	1/2	1,835.36
3/4	61.74	3/4	259.31	3/4	456.88	3/4	654.45	3/4	852.01	3/4	1,049.58	3/4	1,247.15	3/4	1,444.72	3/4	1,642.29	3/4	1,839.45
4	65.86	4	263.42	4	460.99	4	658.56	4	856.13	4	1,053.70	4	1,251.26	4	1,448.83	4	1,646.40	4	1,843.54
1/4	69.98	1/4	267.54	1/4	465.11	1/4	662.68	1/4	860.24	1/4	1,057.82	1/4	1,255.38	1/4	1,452.95	1/4	1,650.52	1/4	1,847.63
1/2	74.09	1/2	271.66	1/2	469.23	1/2	666.79	1/2	864.36	1/2	1,061.93	1/2	1,259.50	1/2	1,457.07	1/2	1,654.63	1/2	1,851.72
3/4	78.21	3/4	275.77	3/4	473.34	3/4	670.91	3/4	868.47	3/4	1,066.05	3/4	1,263.61	3/4	1,461.18	3/4	1,658.75	3/4	1,855.81
5	82.32	5	279.89	5	477.46	5	675.02	5	872.59	5	1,070.16	5	1,267.73	5	1,465.30	5	1,662.86	5	1,859.90
1/4	86.44	1/4	284.01	1/4	481.58	1/4	679.14	1/4	876.71	1/4	1,074.28	1/4	1,271.85	1/4	1,469.42	1/4	1,666.98	1/4	1,863.99
1/2	90.55	1/2	288.12	1/2	485.69	1/2	683.26	1/2	880.82	1/2	1,078.39	1/2	1,275.96	1/2	1,473.53	1/2	1,671.10	1/2	1,868.09
3/4	94.67	3/4	292.24	3/4	489.81	3/4	687.37	3/4	884.94	3/4	1,082.51	3/4	1,280.08	3/4	1,477.65	3/4	1,675.21	3/4	1,872.18
6	98.78	6	296.35	6	493.92	6	691.49	6	889.06	6	1,086.62	6	1,284.19	6	1,481.76	6	1,679.33	6	1,876.27
1/4	102.90	1/4	300.47	1/4	498.04	1/4	695.61	1/4	893.17	1/4	1,090.74	1/4	1,288.31	1/4	1,485.88	1/4	1,683.45	1/4	1,880.36
1/2	107.02	1/2	304.59	1/2	502.15	1/2	699.72	1/2	897.29	1/2	1,094.86	1/2	1,292.43	1/2	1,489.99	1/2	1,687.56	1/2	1,884.46
3/4	111.13	3/4	308.70	3/4	506.27	3/4	703.84	3/4	901.40	3/4	1,098.97	3/4	1,296.54	3/4	1,494.11	3/4	1,691.68	3/4	1,888.55
7	115.25	7	312.82	7	510.38	7	707.95	7	905.52	7	1,103.09	7	1,300.66	7	1,498.22	7	1,695.79	7	1,892.64
1/4	119.37	1/4	316.94	1/4	514.50	1/4	712.07	1/4	909.63	1/4	1,107.21	1/4	1,304.78	1/4	1,502.34	1/4	1,699.91	1/4	1,896.73
1/2	123.48	1/2	321.05	1/2	518.62	1/2	716.19	1/2	913.75	1/2	1,111.32	1/2	1,308.89	1/2	1,506.46	1/2	1,704.03	1/2	1,900.83
3/4	127.60	3/4	325.17	3/4	522.73	3/4	720.30	3/4	917.86	3/4	1,115.44	3/4	1,313.01	3/4	1,510.57	3/4	1,708.14	3/4	1,904.92
8	131.71	8	329.28	8	526.85	8	724.42	8	921.98	8	1,119.55	8	1,317.12	8	1,514.69	8	1,712.26	8	1,909.01
1/4	135.83	1/4	333.40	1/4	530.97	1/4	728.54	1/4	926.10	1/4	1,123.67	1/4	1,321.24	1/4	1,518.81	1/4	1,716.38	1/4	1,913.10
1/2	139.95	1/2	337.51	1/2	535.08	1/2	732.65	1/2	930.21	1/2	1,127.79	1/2	1,325.35	1/2	1,522.92	1/2	1,720.49	1/2	1,917.20
3/4	144.06	3/4	341.63	3/4	539.20	3/4	736.77	3/4	934.33	3/4	1,131.90	3/4	1,329.47	3/4	1,527.04	3/4	1,724.61	3/4	1,921.29
9	148.18	9	345.74	9	543.31	9	740.88	9	938.45	9	1,136.02	9	1,333.58	9	1,531.15	9	1,728.72	9	1,925.38
1/4	152.30	1/4	349.86	1/4	547.43	1/4	745.00	1/4	942.56	1/4	1,140.14	1/4	1,337.70	1/4	1,535.27	1/4	1,732.84	1/4	1,929.47
1/2	156.41	1/2	353.98	1/2	551.55	1/2	749.11	1/2	946.68	1/2	1,144.25	1/2	1,341.82	1/2	1,539.39	1/2	1,736.95	1/2	1,933.56
3/4	160.53	3/4	358.09	3/4	555.66	3/4	753.23	3/4	950.79	3/4	1,148.37	3/4	1,345.93	3/4	1,543.50	3/4	1,741.07	3/4	1,937.65
10	164.64	10	362.21	10	559.78	10	757.34	10	954.91	10	1,152.48	10	1,350.05	10	1,547.62	10	1,745.18	10	1,941.74
1/4	168.76	1/4	366.33	1/4	563.90	1/4	761.46	1/4	959.03	1/4	1,156.60	1/4	1,354.17	1/4	1,551.74	1/4	1,749.30	1/4	1,945.83
1/2	172.87	1/2	370.44	1/2	568.01	1/2	765.58	1/2	963.14	1/2	1,160.71	1/2	1,358.28	1/2	1,555.85	1/2	1,753.42	1/2	1,949.93
3/4	176.99	3/4	374.56	3/4	572.13	3/4	769.69	3/4	967.26	3/4	1,164.83	3/4	1,362.40	3/4	1,559.97	3/4	1,757.53	3/4	1,954.02
11	181.10	11	378.67	11	576.24	11	773.81	11	971.38	11	1,168.94	11	1,366.51	11	1,564.08	11	1,761.65	11	1,958.11
1/4	185.22	1/4	382.79	1/4	580.36	1/4	777.93	1/4	975.49	1/4	1,173.06	1/4	1,370.63	1/4	1,568.20	1/4	1,765.75	1/4	1,962.20
1/2	189.34	1/2	386.91	1/2	584.47	1/2	782.04	1/2	979.61	1/2	1,177.18	1/2	1,374.75	1/2	1,572.31	1/2	1,769.86	1/2	1,966.30
3/4	193.45	3/4	391.02	3/4	588.59	3/4	786.16	3/4	983.72	3/4	1,181.29	3/4	1,378.86	3/4	1,576.43	3/4	1,773.96	3/4	1,970.39

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE.

GAUGE POINT: (MMC VALVE) LOCATED 10'-09" OFF CENTERLINE AND 27'-03" FORWARD OF AFT BULKHEAD.

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

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



BARGE "401"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-03"

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	1,974.48	0		0		0		0		0		0		0		0		0	
1/4	1,978.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,982.67	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,986.76	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,990.85	1		1		1		1		1		1		1		1		1	
1/4	1,994.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,999.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,003.13	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,007.22	2		2		2		2		2		2		2		2		2	
1/4	2,011.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,015.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,019.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,023.58	3		3		3		3		3		3		3		3		3	
1/4	2,027.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,031.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,035.86	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,039.95	4		4		4		4		4		4		4		4		4	
1/4	2,044.04	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,048.14	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,052.23	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,056.32	5		5		5		5		5		5		5		5		5	
1/4	2,060.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,064.51	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,068.60	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,072.69	6		6		6		6		6		6		6		6		6	
1/4	2,076.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,080.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,083.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,087.56	7		7		7		7		7		7		7		7		7	
1/4	2,090.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,093.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,096.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,099.43	8		8		8		8		8		8		8		8		8	
1/4	2,101.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,103.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,106.10	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,108.32	9		9		9		9		9		9		9		9		9	
1/4	2,109.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,111.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,112.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,114.21	10		10		10		10		10		10		10		10		10	
1/4	2,114.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,115.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,116.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,117.11	11		11		11		11		11		11		11		11		11	
1/4	2,117.28	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,117.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2002 INSP.
RECALCULATED: 06/28/2022 PMA
REPRINTED: 06/28/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2022

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



BARGE "401"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-03"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	8.24	0	197.57	0	395.14	0	592.70	0	790.27	0	987.84	0	1,185.41	0	1,382.98	0	1,580.54	0	1,778.06
1/4	10.81	1/4	201.69	1/4	399.26	1/4	596.82	1/4	794.39	1/4	991.95	1/4	1,189.53	1/4	1,387.10	1/4	1,584.66	1/4	1,782.15
1/2	13.39	1/2	205.80	1/2	403.37	1/2	600.94	1/2	798.51	1/2	996.07	1/2	1,193.64	1/2	1,391.21	1/2	1,588.78	1/2	1,786.25
3/4	15.96	3/4	209.92	3/4	407.49	3/4	605.05	3/4	802.62	3/4	1,000.19	3/4	1,197.76	3/4	1,395.33	3/4	1,592.89	3/4	1,790.34
1	18.53	1	214.03	1	411.60	1	609.17	1	806.74	1	1,004.30	1	1,201.87	1	1,399.44	1	1,597.01	1	1,794.43
1/4	22.13	1/4	218.15	1/4	415.72	1/4	613.29	1/4	810.86	1/4	1,008.42	1/4	1,205.99	1/4	1,403.56	1/4	1,601.13	1/4	1,798.52
1/2	25.73	1/2	222.27	1/2	419.83	1/2	617.40	1/2	814.97	1/2	1,012.54	1/2	1,210.11	1/2	1,407.67	1/2	1,605.24	1/2	1,802.62
3/4	29.33	3/4	226.38	3/4	423.95	3/4	621.52	3/4	819.09	3/4	1,016.65	3/4	1,214.22	3/4	1,411.79	3/4	1,609.36	3/4	1,806.71
2	32.93	2	230.50	2	428.06	2	625.63	2	823.20	2	1,020.77	2	1,218.34	2	1,415.90	2	1,613.47	2	1,810.80
1/4	37.05	1/4	234.62	1/4	432.18	1/4	629.75	1/4	827.32	1/4	1,024.89	1/4	1,222.46	1/4	1,420.02	1/4	1,617.59	1/4	1,814.89
1/2	41.16	1/2	238.73	1/2	436.30	1/2	633.87	1/2	831.43	1/2	1,029.00	1/2	1,226.57	1/2	1,424.14	1/2	1,621.71	1/2	1,818.99
3/4	45.28	3/4	242.85	3/4	440.41	3/4	637.98	3/4	835.55	3/4	1,033.12	3/4	1,230.69	3/4	1,428.25	3/4	1,625.82	3/4	1,823.08
3	49.39	3	246.96	3	444.53	3	642.10	3	839.66	3	1,037.23	3	1,234.80	3	1,432.37	3	1,629.94	3	1,827.17
1/4	53.51	1/4	251.08	1/4	448.65	1/4	646.22	1/4	843.78	1/4	1,041.35	1/4	1,238.92	1/4	1,436.49	1/4	1,634.06	1/4	1,831.26
1/2	57.63	1/2	255.19	1/2	452.76	1/2	650.33	1/2	847.90	1/2	1,045.47	1/2	1,243.03	1/2	1,440.60	1/2	1,638.17	1/2	1,835.36
3/4	61.74	3/4	259.31	3/4	456.88	3/4	654.45	3/4	852.01	3/4	1,049.58	3/4	1,247.15	3/4	1,444.72	3/4	1,642.29	3/4	1,839.45
4	65.86	4	263.42	4	460.99	4	658.56	4	856.13	4	1,053.70	4	1,251.26	4	1,448.83	4	1,646.40	4	1,843.54
1/4	69.98	1/4	267.54	1/4	465.11	1/4	662.68	1/4	860.24	1/4	1,057.82	1/4	1,255.38	1/4	1,452.95	1/4	1,650.52	1/4	1,847.63
1/2	74.09	1/2	271.66	1/2	469.23	1/2	666.79	1/2	864.36	1/2	1,061.93	1/2	1,259.50	1/2	1,457.07	1/2	1,654.63	1/2	1,851.72
3/4	78.21	3/4	275.77	3/4	473.34	3/4	670.91	3/4	868.47	3/4	1,066.05	3/4	1,263.61	3/4	1,461.18	3/4	1,658.75	3/4	1,855.81
5	82.32	5	279.89	5	477.46	5	675.02	5	872.59	5	1,070.16	5	1,267.73	5	1,465.30	5	1,662.86	5	1,859.90
1/4	86.44	1/4	284.01	1/4	481.58	1/4	679.14	1/4	876.71	1/4	1,074.28	1/4	1,271.85	1/4	1,469.42	1/4	1,666.98	1/4	1,863.99
1/2	90.55	1/2	288.12	1/2	485.69	1/2	683.26	1/2	880.82	1/2	1,078.39	1/2	1,275.96	1/2	1,473.53	1/2	1,671.10	1/2	1,868.09
3/4	94.67	3/4	292.24	3/4	489.81	3/4	687.37	3/4	884.94	3/4	1,082.51	3/4	1,280.08	3/4	1,477.65	3/4	1,675.21	3/4	1,872.18
6	98.78	6	296.35	6	493.92	6	691.49	6	889.06	6	1,086.62	6	1,284.19	6	1,481.76	6	1,679.33	6	1,876.27
1/4	102.90	1/4	300.47	1/4	498.04	1/4	695.61	1/4	893.17	1/4	1,090.74	1/4	1,288.31	1/4	1,485.88	1/4	1,683.45	1/4	1,880.36
1/2	107.02	1/2	304.59	1/2	502.15	1/2	699.72	1/2	897.29	1/2	1,094.86	1/2	1,292.43	1/2	1,489.99	1/2	1,687.56	1/2	1,884.46
3/4	111.13	3/4	308.70	3/4	506.27	3/4	703.84	3/4	901.40	3/4	1,098.97	3/4	1,296.54	3/4	1,494.11	3/4	1,691.68	3/4	1,888.55
7	115.25	7	312.82	7	510.38	7	707.95	7	905.52	7	1,103.09	7	1,300.66	7	1,498.22	7	1,695.79	7	1,892.64
1/4	119.37	1/4	316.94	1/4	514.50	1/4	712.07	1/4	909.63	1/4	1,107.21	1/4	1,304.78	1/4	1,502.34	1/4	1,699.91	1/4	1,896.73
1/2	123.48	1/2	321.05	1/2	518.62	1/2	716.19	1/2	913.75	1/2	1,111.32	1/2	1,308.89	1/2	1,506.46	1/2	1,704.03	1/2	1,900.83
3/4	127.60	3/4	325.17	3/4	522.73	3/4	720.30	3/4	917.86	3/4	1,115.44	3/4	1,313.01	3/4	1,510.57	3/4	1,708.14	3/4	1,904.92
8	131.71	8	329.28	8	526.85	8	724.42	8	921.98	8	1,119.55	8	1,317.12	8	1,514.69	8	1,712.26	8	1,909.01
1/4	135.83	1/4	333.40	1/4	530.97	1/4	728.54	1/4	926.10	1/4	1,123.67	1/4	1,321.24	1/4	1,518.81	1/4	1,716.38	1/4	1,913.10
1/2	139.95	1/2	337.51	1/2	535.08	1/2	732.65	1/2	930.21	1/2	1,127.79	1/2	1,325.35	1/2	1,522.92	1/2	1,720.49	1/2	1,917.20
3/4	144.06	3/4	341.63	3/4	539.20	3/4	736.77	3/4	934.33	3/4	1,131.90	3/4	1,329.47	3/4	1,527.04	3/4	1,724.61	3/4	1,921.29
9	148.18	9	345.74	9	543.31	9	740.88	9	938.45	9	1,136.02	9	1,333.58	9	1,531.15	9	1,728.72	9	1,925.38
1/4	152.30	1/4	349.86	1/4	547.43	1/4	745.00	1/4	942.56	1/4	1,140.14	1/4	1,337.70	1/4	1,535.27	1/4	1,732.84	1/4	1,929.47
1/2	156.41	1/2	353.98	1/2	551.55	1/2	749.11	1/2	946.68	1/2	1,144.25	1/2	1,341.82	1/2	1,539.39	1/2	1,736.95	1/2	1,933.56
3/4	160.53	3/4	358.09	3/4	555.66	3/4	753.23	3/4	950.79	3/4	1,148.37	3/4	1,345.93	3/4	1,543.50	3/4	1,741.07	3/4	1,937.65
10	164.64	10	362.21	10	559.78	10	757.34	10	954.91	10	1,152.48	10	1,350.05	10	1,547.62	10	1,745.18	10	1,941.74
1/4	168.76	1/4	366.33	1/4	563.90	1/4	761.46	1/4	959.03	1/4	1,156.60	1/4	1,354.17	1/4	1,551.74	1/4	1,749.30	1/4	1,945.83
1/2	172.87	1/2	370.44	1/2	568.01	1/2	765.58	1/2	963.14	1/2	1,160.71	1/2	1,358.28	1/2	1,555.85	1/2	1,753.42	1/2	1,949.93
3/4	176.99	3/4	374.56	3/4	572.13	3/4	769.69	3/4	967.26	3/4	1,164.83	3/4	1,362.40	3/4	1,559.97	3/4	1,757.53	3/4	1,954.02
11	181.10	11	378.67	11	576.24	11	773.81	11	971.38	11	1,168.94	11	1,366.51	11	1,564.08	11	1,761.65	11	1,958.11
1/4	185.22	1/4	382.79	1/4	580.36	1/4	777.93	1/4	975.49	1/4	1,173.06	1/4	1,370.63	1/4	1,568.20	1/4	1,765.75	1/4	1,962.20
1/2	189.34	1/2	386.91	1/2	584.47	1/2	782.04	1/2	979.61	1/2	1,177.18	1/2	1,374.75	1/2	1,572.31	1/2	1,769.86	1/2	1,966.30
3/4	193.45	3/4	391.02	3/4	588.59	3/4	786.16	3/4	983.72	3/4	1,181.29	3/4	1,378.86	3/4	1,576.43	3/4	1,773.96	3/4	1,970.39

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE.
 GAUGE POINT: (MMC VALVE) LOCATED 10'-09" OFF CENTERLINE AND 27'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "401"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-03"

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	1,974.48	0		0		0		0		0		0		0		0		0	
1/4	1,978.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,982.67	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,986.76	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,990.85	1		1		1		1		1		1		1		1		1	
1/4	1,994.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,999.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,003.13	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,007.22	2		2		2		2		2		2		2		2		2	
1/4	2,011.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,015.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,019.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,023.58	3		3		3		3		3		3		3		3		3	
1/4	2,027.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,031.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,035.86	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,039.95	4		4		4		4		4		4		4		4		4	
1/4	2,044.04	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,048.14	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,052.23	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,056.32	5		5		5		5		5		5		5		5		5	
1/4	2,060.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,064.51	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,068.60	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,072.69	6		6		6		6		6		6		6		6		6	
1/4	2,076.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,080.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,083.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,087.56	7		7		7		7		7		7		7		7		7	
1/4	2,090.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,093.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,096.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,099.43	8		8		8		8		8		8		8		8		8	
1/4	2,101.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,103.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,106.10	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,108.32	9		9		9		9		9		9		9		9		9	
1/4	2,109.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,111.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,112.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,114.21	10		10		10		10		10		10		10		10		10	
1/4	2,114.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,115.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,116.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,117.11	11		11		11		11		11		11		11		11		11	
1/4	2,117.28	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,117.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2002 INSP.
RECALCULATED: 06/28/2022 PMA
REPRINTED: 06/28/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2022

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



BARGE "401"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-02 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	8.22	0	197.27	0	394.55	0	591.83	0	789.11	0	986.39	0	1,183.67	0	1,380.95	0	1,578.23	0	1,775.46
1/4	10.79	1/4	201.38	1/4	398.66	1/4	595.94	1/4	793.22	1/4	990.50	1/4	1,187.78	1/4	1,385.06	1/4	1,582.34	1/4	1,779.55
1/2	13.36	1/2	205.49	1/2	402.77	1/2	600.05	1/2	797.33	1/2	994.61	1/2	1,191.89	1/2	1,389.17	1/2	1,586.45	1/2	1,783.63
3/4	15.93	3/4	209.60	3/4	406.88	3/4	604.16	3/4	801.44	3/4	998.72	3/4	1,199.00	3/4	1,393.28	3/4	1,590.56	3/4	1,787.72
1	18.50	1	213.71	1	410.99	1	608.27	1	805.55	1	1,002.83	1	1,200.11	1	1,397.39	1	1,594.67	1	1,791.81
1/4	22.09	1/4	217.82	1/4	415.10	1/4	612.38	1/4	809.66	1/4	1,006.94	1/4	1,204.22	1/4	1,401.50	1/4	1,598.78	1/4	1,795.89
1/2	25.69	1/2	221.93	1/2	419.21	1/2	616.49	1/2	813.77	1/2	1,011.05	1/2	1,208.33	1/2	1,405.61	1/2	1,602.89	1/2	1,799.98
3/4	29.28	3/4	226.04	3/4	423.32	3/4	620.60	3/4	817.88	3/4	1,015.16	3/4	1,212.44	3/4	1,409.72	3/4	1,607.00	3/4	1,804.06
2	32.87	2	230.15	2	427.43	2	624.71	2	821.99	2	1,019.27	2	1,216.55	2	1,413.83	2	1,611.11	2	1,808.15
1/4	36.98	1/4	234.26	1/4	431.54	1/4	628.82	1/4	826.10	1/4	1,023.38	1/4	1,220.66	1/4	1,417.94	1/4	1,615.22	1/4	1,812.24
1/2	41.09	1/2	238.37	1/2	435.65	1/2	632.93	1/2	830.21	1/2	1,027.49	1/2	1,224.77	1/2	1,422.05	1/2	1,619.33	1/2	1,816.32
3/4	45.20	3/4	242.48	3/4	439.76	3/4	637.04	3/4	834.32	3/4	1,031.60	3/4	1,228.88	3/4	1,426.16	3/4	1,623.44	3/4	1,820.41
3	49.31	3	246.59	3	443.87	3	641.15	3	838.43	3	1,035.71	3	1,232.99	3	1,430.27	3	1,627.55	3	1,824.50
1/4	53.42	1/4	250.70	1/4	447.98	1/4	645.26	1/4	842.54	1/4	1,039.82	1/4	1,237.10	1/4	1,434.38	1/4	1,631.66	1/4	1,828.58
1/2	57.53	1/2	254.81	1/2	452.09	1/2	649.37	1/2	846.65	1/2	1,043.93	1/2	1,241.21	1/2	1,438.49	1/2	1,635.77	1/2	1,832.67
3/4	61.64	3/4	258.92	3/4	456.20	3/4	653.48	3/4	850.76	3/4	1,048.04	3/4	1,245.32	3/4	1,442.60	3/4	1,639.88	3/4	1,836.75
4	65.75	4	263.03	4	460.31	4	657.59	4	854.87	4	1,052.15	4	1,249.43	4	1,446.71	4	1,643.99	4	1,840.84
1/4	69.86	1/4	267.14	1/4	464.42	1/4	661.70	1/4	858.98	1/4	1,056.26	1/4	1,253.54	1/4	1,450.82	1/4	1,648.10	1/4	1,844.92
1/2	73.97	1/2	271.25	1/2	468.53	1/2	665.81	1/2	863.09	1/2	1,060.37	1/2	1,257.65	1/2	1,454.93	1/2	1,652.21	1/2	1,849.01
3/4	78.08	3/4	275.36	3/4	472.64	3/4	669.92	3/4	867.20	3/4	1,064.48	3/4	1,261.76	3/4	1,459.04	3/4	1,656.32	3/4	1,853.09
5	82.19	5	279.47	5	476.75	5	674.03	5	871.31	5	1,068.59	5	1,265.87	5	1,463.15	5	1,660.43	5	1,857.18
1/4	86.30	1/4	283.58	1/4	480.86	1/4	678.14	1/4	875.42	1/4	1,072.70	1/4	1,269.98	1/4	1,467.26	1/4	1,664.54	1/4	1,861.27
1/2	90.41	1/2	287.69	1/2	484.97	1/2	682.25	1/2	879.53	1/2	1,076.81	1/2	1,274.09	1/2	1,471.37	1/2	1,668.65	1/2	1,865.35
3/4	94.52	3/4	291.80	3/4	489.08	3/4	686.36	3/4	883.64	3/4	1,080.92	3/4	1,278.20	3/4	1,475.48	3/4	1,672.76	3/4	1,869.44
6	98.63	6	295.91	6	493.19	6	690.47	6	887.75	6	1,085.03	6	1,282.31	6	1,479.59	6	1,676.87	6	1,873.53
1/4	102.74	1/4	300.02	1/4	497.30	1/4	694.58	1/4	891.86	1/4	1,089.14	1/4	1,286.42	1/4	1,483.70	1/4	1,680.98	1/4	1,877.61
1/2	106.85	1/2	304.13	1/2	501.41	1/2	698.69	1/2	895.97	1/2	1,093.25	1/2	1,290.53	1/2	1,487.81	1/2	1,685.09	1/2	1,881.70
3/4	110.96	3/4	308.24	3/4	505.52	3/4	702.80	3/4	900.08	3/4	1,097.36	3/4	1,294.64	3/4	1,491.92	3/4	1,689.20	3/4	1,885.78
7	115.07	7	312.35	7	509.63	7	706.91	7	904.19	7	1,101.47	7	1,298.75	7	1,496.03	7	1,693.31	7	1,889.87
1/4	119.18	1/4	316.46	1/4	513.74	1/4	711.02	1/4	908.30	1/4	1,105.58	1/4	1,302.86	1/4	1,500.14	1/4	1,697.42	1/4	1,893.96
1/2	123.29	1/2	320.57	1/2	517.85	1/2	715.13	1/2	912.41	1/2	1,109.69	1/2	1,306.97	1/2	1,504.25	1/2	1,701.53	1/2	1,898.04
3/4	127.40	3/4	324.68	3/4	521.96	3/4	719.24	3/4	916.52	3/4	1,113.80	3/4	1,311.08	3/4	1,508.36	3/4	1,705.64	3/4	1,902.13
8	131.51	8	328.79	8	526.07	8	723.35	8	920.63	8	1,117.91	8	1,315.19	8	1,512.47	8	1,709.75	8	1,906.22
1/4	135.62	1/4	332.90	1/4	530.18	1/4	727.46	1/4	924.74	1/4	1,122.02	1/4	1,319.30	1/4	1,516.58	1/4	1,713.86	1/4	1,910.30
1/2	139.73	1/2	337.01	1/2	534.29	1/2	731.57	1/2	928.85	1/2	1,126.13	1/2	1,323.41	1/2	1,520.69	1/2	1,717.97	1/2	1,914.39
3/4	143.84	3/4	341.12	3/4	538.40	3/4	735.68	3/4	932.96	3/4	1,130.24	3/4	1,327.52	3/4	1,524.80	3/4	1,722.08	3/4	1,918.47
9	147.95	9	345.23	9	542.51	9	739.79	9	937.07	9	1,134.35	9	1,331.63	9	1,528.91	9	1,726.19	9	1,922.56
1/4	152.06	1/4	349.34	1/4	546.62	1/4	743.90	1/4	941.18	1/4	1,138.46	1/4	1,335.74	1/4	1,533.02	1/4	1,730.30	1/4	1,926.64
1/2	156.17	1/2	353.45	1/2	550.73	1/2	748.01	1/2	945.29	1/2	1,142.57	1/2	1,339.85	1/2	1,537.13	1/2	1,734.41	1/2	1,930.73
3/4	160.28	3/4	357.56	3/4	554.84	3/4	752.12	3/4	949.40	3/4	1,146.68	3/4	1,343.96	3/4	1,541.24	3/4	1,738.52	3/4	1,934.81
10	164.39	10	361.67	10	558.95	10	756.23	10	953.51	10	1,150.79	10	1,348.07	10	1,545.35	10	1,742.63	10	1,938.90
1/4	168.50	1/4	365.78	1/4	563.06	1/4	760.34	1/4	957.62	1/4	1,154.90	1/4	1,352.18	1/4	1,549.46	1/4	1,746.74	1/4	1,942.99
1/2	172.61	1/2	369.89	1/2	567.17	1/2	764.45	1/2	961.73	1/2	1,159.01	1/2	1,356.29	1/2	1,553.57	1/2	1,750.85	1/2	1,947.07
3/4	176.72	3/4	374.00	3/4	571.28	3/4	768.56	3/4	965.84	3/4	1,163.12	3/4	1,360.40	3/4	1,557.68	3/4	1,754.96	3/4	1,951.16
11	180.83	11	378.11	11	575.39	11	772.67	11	969.95	11	1,167.23	11	1,364.51	11	1,561.79	11	1,759.07	11	1,955.25
1/4	184.94	1/4	382.22	1/4	579.50	1/4	776.78	1/4	974.06	1/4	1,171.34	1/4	1,368.62	1/4	1,565.90	1/4	1,763.17	1/4	1,959.33
1/2	189.05	1/2	386.33	1/2	583.61	1/2	780.89	1/2	978.17	1/2	1,175.45	1/2	1,372.73	1/2	1,570.01	1/2	1,767.26	1/2	1,963.42
3/4	193.16	3/4	390.44	3/4	587.72	3/4	785.00	3/4	982.28	3/4	1,179.56	3/4	1,376.84	3/4	1,574.12	3/4	1,771.36	3/4	1,967.50

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE.
 GAUGE POINT: (MMC VALVE) LOCATED 10'-09" OFF CENTERLINE AND 27'-00" FORWARD OF AFT BULKHEAD.

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





BARGE "401"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,971.59	0		0		0		0		0		0		0		0		0	
1/4	1,975.68	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,979.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,983.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,987.94	1		1		1		1		1		1		1		1		1	
1/4	1,992.02	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,996.11	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,000.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,004.28	2		2		2		2		2		2		2		2		2	
1/4	2,008.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,012.45	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,016.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,020.62	3		3		3		3		3		3		3		3		3	
1/4	2,024.71	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,028.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,032.88	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,036.97	4		4		4		4		4		4		4		4		4	
1/4	2,041.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,045.14	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,049.22	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,053.31	5		5		5		5		5		5		5		5		5	
1/4	2,057.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,061.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,065.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,069.66	6		6		6		6		6		6		6		6		6	
1/4	2,073.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,077.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,080.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,084.50	7		7		7		7		7		7		7		7		7	
1/4	2,087.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,090.43	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,093.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,096.36	8		8		8		8		8		8		8		8		8	
1/4	2,098.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,100.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,103.01	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,105.23	9		9		9		9		9		9		9		9		9	
1/4	2,106.70	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,108.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,109.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,111.11	10		10		10		10		10		10		10		10		10	
1/4	2,111.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,112.56	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,113.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,114.01	11		11		11		11		11		11		11		11		11	
1/4	2,114.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,114.34	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2002 INSP.
RECALCULATED: 06/28/2022 PMA
REPRINTED: 06/28/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2022

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



BARGE "401"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-02 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	8.22	0	197.27	0	394.55	0	591.83	0	789.11	0	986.39	0	1,183.67	0	1,380.95	0	1,578.23	0	1,775.46
1/4	10.79	1/4	201.38	1/4	398.66	1/4	595.94	1/4	793.22	1/4	990.50	1/4	1,187.78	1/4	1,385.06	1/4	1,582.34	1/4	1,779.55
1/2	13.36	1/2	205.49	1/2	402.77	1/2	600.05	1/2	797.33	1/2	994.61	1/2	1,191.89	1/2	1,389.17	1/2	1,586.45	1/2	1,783.63
3/4	15.93	3/4	209.60	3/4	406.88	3/4	604.16	3/4	801.44	3/4	998.72	3/4	1,199.00	3/4	1,393.28	3/4	1,590.56	3/4	1,787.72
1	18.50	1	213.71	1	410.99	1	608.27	1	805.55	1	1,002.83	1	1,200.11	1	1,397.39	1	1,594.67	1	1,791.81
1/4	22.09	1/4	217.82	1/4	415.10	1/4	612.38	1/4	809.66	1/4	1,006.94	1/4	1,204.22	1/4	1,401.50	1/4	1,598.78	1/4	1,795.89
1/2	25.69	1/2	221.93	1/2	419.21	1/2	616.49	1/2	813.77	1/2	1,011.05	1/2	1,208.33	1/2	1,405.61	1/2	1,602.89	1/2	1,799.98
3/4	29.28	3/4	226.04	3/4	423.32	3/4	620.60	3/4	817.88	3/4	1,015.16	3/4	1,212.44	3/4	1,409.72	3/4	1,607.00	3/4	1,804.06
2	32.87	2	230.15	2	427.43	2	624.71	2	821.99	2	1,019.27	2	1,216.55	2	1,413.83	2	1,611.11	2	1,808.15
1/4	36.98	1/4	234.26	1/4	431.54	1/4	628.82	1/4	826.10	1/4	1,023.38	1/4	1,220.66	1/4	1,417.94	1/4	1,615.22	1/4	1,812.24
1/2	41.09	1/2	238.37	1/2	435.65	1/2	632.93	1/2	830.21	1/2	1,027.49	1/2	1,224.77	1/2	1,422.05	1/2	1,619.33	1/2	1,816.32
3/4	45.20	3/4	242.48	3/4	439.76	3/4	637.04	3/4	834.32	3/4	1,031.60	3/4	1,228.88	3/4	1,426.16	3/4	1,623.44	3/4	1,820.41
3	49.31	3	246.59	3	443.87	3	641.15	3	838.43	3	1,035.71	3	1,232.99	3	1,430.27	3	1,627.55	3	1,824.50
1/4	53.42	1/4	250.70	1/4	447.98	1/4	645.26	1/4	842.54	1/4	1,039.82	1/4	1,237.10	1/4	1,434.38	1/4	1,631.66	1/4	1,828.58
1/2	57.53	1/2	254.81	1/2	452.09	1/2	649.37	1/2	846.65	1/2	1,043.93	1/2	1,241.21	1/2	1,438.49	1/2	1,635.77	1/2	1,832.67
3/4	61.64	3/4	258.92	3/4	456.20	3/4	653.48	3/4	850.76	3/4	1,048.04	3/4	1,245.32	3/4	1,442.60	3/4	1,639.88	3/4	1,836.75
4	65.75	4	263.03	4	460.31	4	657.59	4	854.87	4	1,052.15	4	1,249.43	4	1,446.71	4	1,643.99	4	1,840.84
1/4	69.86	1/4	267.14	1/4	464.42	1/4	661.70	1/4	858.98	1/4	1,056.26	1/4	1,253.54	1/4	1,450.82	1/4	1,648.10	1/4	1,844.92
1/2	73.97	1/2	271.25	1/2	468.53	1/2	665.81	1/2	863.09	1/2	1,060.37	1/2	1,257.65	1/2	1,454.93	1/2	1,652.21	1/2	1,849.01
3/4	78.08	3/4	275.36	3/4	472.64	3/4	669.92	3/4	867.20	3/4	1,064.48	3/4	1,261.76	3/4	1,459.04	3/4	1,656.32	3/4	1,853.09
5	82.19	5	279.47	5	476.75	5	674.03	5	871.31	5	1,068.59	5	1,265.87	5	1,463.15	5	1,660.43	5	1,857.18
1/4	86.30	1/4	283.58	1/4	480.86	1/4	678.14	1/4	875.42	1/4	1,072.70	1/4	1,269.98	1/4	1,467.26	1/4	1,664.54	1/4	1,861.27
1/2	90.41	1/2	287.69	1/2	484.97	1/2	682.25	1/2	879.53	1/2	1,076.81	1/2	1,274.09	1/2	1,471.37	1/2	1,668.65	1/2	1,865.35
3/4	94.52	3/4	291.80	3/4	489.08	3/4	686.36	3/4	883.64	3/4	1,080.92	3/4	1,278.20	3/4	1,475.48	3/4	1,672.76	3/4	1,869.44
6	98.63	6	295.91	6	493.19	6	690.47	6	887.75	6	1,085.03	6	1,282.31	6	1,479.59	6	1,676.87	6	1,873.53
1/4	102.74	1/4	300.02	1/4	497.30	1/4	694.58	1/4	891.86	1/4	1,089.14	1/4	1,286.42	1/4	1,483.70	1/4	1,680.98	1/4	1,877.61
1/2	106.85	1/2	304.13	1/2	501.41	1/2	698.69	1/2	895.97	1/2	1,093.25	1/2	1,290.53	1/2	1,487.81	1/2	1,685.09	1/2	1,881.70
3/4	110.96	3/4	308.24	3/4	505.52	3/4	702.80	3/4	900.08	3/4	1,097.36	3/4	1,294.64	3/4	1,491.92	3/4	1,689.20	3/4	1,885.78
7	115.07	7	312.35	7	509.63	7	706.91	7	904.19	7	1,101.47	7	1,298.75	7	1,496.03	7	1,693.31	7	1,889.87
1/4	119.18	1/4	316.46	1/4	513.74	1/4	711.02	1/4	908.30	1/4	1,105.58	1/4	1,302.86	1/4	1,500.14	1/4	1,697.42	1/4	1,893.96
1/2	123.29	1/2	320.57	1/2	517.85	1/2	715.13	1/2	912.41	1/2	1,109.69	1/2	1,306.97	1/2	1,504.25	1/2	1,701.53	1/2	1,898.04
3/4	127.40	3/4	324.68	3/4	521.96	3/4	719.24	3/4	916.52	3/4	1,113.80	3/4	1,311.08	3/4	1,508.36	3/4	1,705.64	3/4	1,902.13
8	131.51	8	328.79	8	526.07	8	723.35	8	920.63	8	1,117.91	8	1,315.19	8	1,512.47	8	1,709.75	8	1,906.22
1/4	135.62	1/4	332.90	1/4	530.18	1/4	727.46	1/4	924.74	1/4	1,122.02	1/4	1,319.30	1/4	1,516.58	1/4	1,713.86	1/4	1,910.30
1/2	139.73	1/2	337.01	1/2	534.29	1/2	731.57	1/2	928.85	1/2	1,126.13	1/2	1,323.41	1/2	1,520.69	1/2	1,717.97	1/2	1,914.39
3/4	143.84	3/4	341.12	3/4	538.40	3/4	735.68	3/4	932.96	3/4	1,130.24	3/4	1,327.52	3/4	1,524.80	3/4	1,722.08	3/4	1,918.47
9	147.95	9	345.23	9	542.51	9	739.79	9	937.07	9	1,134.35	9	1,331.63	9	1,528.91	9	1,726.19	9	1,922.56
1/4	152.06	1/4	349.34	1/4	546.62	1/4	743.90	1/4	941.18	1/4	1,138.46	1/4	1,335.74	1/4	1,533.02	1/4	1,730.30	1/4	1,926.64
1/2	156.17	1/2	353.45	1/2	550.73	1/2	748.01	1/2	945.29	1/2	1,142.57	1/2	1,339.85	1/2	1,537.13	1/2	1,734.41	1/2	1,930.73
3/4	160.28	3/4	357.56	3/4	554.84	3/4	752.12	3/4	949.40	3/4	1,146.68	3/4	1,343.96	3/4	1,541.24	3/4	1,738.52	3/4	1,934.81
10	164.39	10	361.67	10	558.95	10	756.23	10	953.51	10	1,150.79	10	1,348.07	10	1,545.35	10	1,742.63	10	1,938.90
1/4	168.50	1/4	365.78	1/4	563.06	1/4	760.34	1/4	957.62	1/4	1,154.90	1/4	1,352.18	1/4	1,549.46	1/4	1,746.74	1/4	1,942.99
1/2	172.61	1/2	369.89	1/2	567.17	1/2	764.45	1/2	961.73	1/2	1,159.01	1/2	1,356.29	1/2	1,553.57	1/2	1,750.85	1/2	1,947.07
3/4	176.72	3/4	374.00	3/4	571.28	3/4	768.56	3/4	965.84	3/4	1,163.12	3/4	1,360.40	3/4	1,557.68	3/4	1,754.96	3/4	1,951.16
11	180.83	11	378.11	11	575.39	11	772.67	11	969.95	11	1,167.23	11	1,364.51	11	1,561.79	11	1,759.07	11	1,955.25
1/4	184.94	1/4	382.22	1/4	579.50	1/4	776.78	1/4	974.06	1/4	1,171.34	1/4	1,368.62	1/4	1,565.90	1/4	1,763.17	1/4	1,959.33
1/2	189.05	1/2	386.33	1/2	583.61	1/2	780.89	1/2	978.17	1/2	1,175.45	1/2	1,372.73	1/2	1,570.01	1/2	1,767.26	1/2	1,963.42
3/4	193.16	3/4	390.44	3/4	587.72	3/4	785.00	3/4	982.28	3/4	1,179.56	3/4	1,376.84	3/4	1,574.12	3/4	1,771.36	3/4	1,967.50

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE.

GAUGE POINT: (MMC VALVE) LOCATED 10'-09" OFF CENTERLINE AND 27'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "401"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-02 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	1,971.59	0		0		0		0		0		0		0		0		0	
1/4	1,975.68	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,979.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,983.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,987.94	1		1		1		1		1		1		1		1		1	
1/4	1,992.02	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,996.11	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,000.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,004.28	2		2		2		2		2		2		2		2		2	
1/4	2,008.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,012.45	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,016.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,020.62	3		3		3		3		3		3		3		3		3	
1/4	2,024.71	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,028.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,032.88	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,036.97	4		4		4		4		4		4		4		4		4	
1/4	2,041.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,045.14	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,049.22	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,053.31	5		5		5		5		5		5		5		5		5	
1/4	2,057.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,061.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,065.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,069.66	6		6		6		6		6		6		6		6		6	
1/4	2,073.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,077.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,080.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,084.50	7		7		7		7		7		7		7		7		7	
1/4	2,087.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,090.43	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,093.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,096.36	8		8		8		8		8		8		8		8		8	
1/4	2,098.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,100.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,103.01	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,105.23	9		9		9		9		9		9		9		9		9	
1/4	2,106.70	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,108.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,109.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,111.11	10		10		10		10		10		10		10		10		10	
1/4	2,111.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,112.56	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,113.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,114.01	11		11		11		11		11		11		11		11		11	
1/4	2,114.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,114.34	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2002 INSP.
RECALCULATED: 06/28/2022 PMA
REPRINTED: 06/28/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2022

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



BARGE "401"

4 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 12'-03"

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	7.00	0	167.99	0	335.99	0	503.99	0	671.99	0	839.99	0	1,007.99	0	1,175.99	0	1,343.99	0	1,511.95
1/4	9.19	1/4	171.49	1/4	339.49	1/4	507.49	1/4	675.49	1/4	843.49	1/4	1,011.49	1/4	1,179.49	1/4	1,347.49	1/4	1,515.43
1/2	11.37	1/2	174.99	1/2	342.99	1/2	510.99	1/2	678.99	1/2	846.99	1/2	1,014.99	1/2	1,182.99	1/2	1,350.99	1/2	1,518.91
3/4	13.56	3/4	178.49	3/4	346.49	3/4	514.49	3/4	682.49	3/4	850.49	3/4	1,018.49	3/4	1,186.49	3/4	1,354.49	3/4	1,522.39
1	15.74	1	181.99	1	349.99	1	517.99	1	685.99	1	853.99	1	1,021.99	1	1,189.99	1	1,357.99	1	1,525.87
1/4	18.80	1/4	185.49	1/4	353.49	1/4	521.49	1/4	689.49	1/4	857.49	1/4	1,025.49	1/4	1,193.49	1/4	1,361.49	1/4	1,529.35
1/2	21.87	1/2	188.99	1/2	356.99	1/2	524.99	1/2	692.99	1/2	860.99	1/2	1,028.99	1/2	1,196.99	1/2	1,364.99	1/2	1,532.83
3/4	24.93	3/4	192.49	3/4	360.49	3/4	528.49	3/4	696.49	3/4	864.49	3/4	1,032.49	3/4	1,200.49	3/4	1,368.49	3/4	1,536.31
2	27.99	2	195.99	2	363.99	2	531.99	2	699.99	2	867.99	2	1,035.99	2	1,203.99	2	1,371.99	2	1,539.79
1/4	31.49	1/4	199.49	1/4	367.49	1/4	535.49	1/4	703.49	1/4	871.49	1/4	1,039.49	1/4	1,207.49	1/4	1,375.49	1/4	1,543.27
1/2	34.99	1/2	202.99	1/2	370.99	1/2	538.99	1/2	706.99	1/2	874.99	1/2	1,042.99	1/2	1,210.99	1/2	1,378.99	1/2	1,546.75
3/4	38.49	3/4	206.49	3/4	374.49	3/4	542.49	3/4	710.49	3/4	878.49	3/4	1,046.49	3/4	1,214.49	3/4	1,382.49	3/4	1,550.23
3	41.99	3	209.99	3	377.99	3	545.99	3	713.99	3	881.99	3	1,049.99	3	1,217.99	3	1,385.99	3	1,553.71
1/4	45.49	1/4	213.49	1/4	381.49	1/4	549.49	1/4	717.49	1/4	885.49	1/4	1,053.49	1/4	1,221.49	1/4	1,389.49	1/4	1,557.19
1/2	48.99	1/2	216.99	1/2	384.99	1/2	552.99	1/2	720.99	1/2	888.99	1/2	1,056.99	1/2	1,224.99	1/2	1,392.99	1/2	1,560.67
3/4	52.49	3/4	220.49	3/4	388.49	3/4	556.49	3/4	724.49	3/4	892.49	3/4	1,060.49	3/4	1,228.49	3/4	1,396.49	3/4	1,564.15
4	55.99	4	223.99	4	391.99	4	559.99	4	727.99	4	895.99	4	1,063.99	4	1,231.99	4	1,399.99	4	1,567.63
1/4	59.49	1/4	227.49	1/4	395.49	1/4	563.49	1/4	731.49	1/4	899.49	1/4	1,067.49	1/4	1,235.49	1/4	1,403.49	1/4	1,571.11
1/2	62.99	1/2	230.99	1/2	398.99	1/2	566.99	1/2	734.99	1/2	902.99	1/2	1,070.99	1/2	1,238.99	1/2	1,406.99	1/2	1,574.59
3/4	66.49	3/4	234.49	3/4	402.49	3/4	570.49	3/4	738.49	3/4	906.49	3/4	1,074.49	3/4	1,242.49	3/4	1,410.49	3/4	1,578.07
5	69.99	5	237.99	5	405.99	5	573.99	5	741.99	5	909.99	5	1,077.99	5	1,245.99	5	1,413.99	5	1,581.55
1/4	73.49	1/4	241.49	1/4	409.49	1/4	577.49	1/4	745.49	1/4	913.49	1/4	1,081.49	1/4	1,249.49	1/4	1,417.49	1/4	1,585.03
1/2	76.99	1/2	244.99	1/2	412.99	1/2	580.99	1/2	748.99	1/2	916.99	1/2	1,084.99	1/2	1,252.99	1/2	1,420.99	1/2	1,588.51
3/4	80.49	3/4	248.49	3/4	416.49	3/4	584.49	3/4	752.49	3/4	920.49	3/4	1,088.49	3/4	1,256.49	3/4	1,424.49	3/4	1,591.99
6	83.99	6	251.99	6	419.99	6	587.99	6	755.99	6	923.99	6	1,091.99	6	1,259.99	6	1,427.99	6	1,595.47
1/4	87.49	1/4	255.49	1/4	423.49	1/4	591.49	1/4	759.49	1/4	927.49	1/4	1,095.49	1/4	1,263.49	1/4	1,431.49	1/4	1,598.95
1/2	90.99	1/2	258.99	1/2	426.99	1/2	594.99	1/2	762.99	1/2	930.99	1/2	1,098.99	1/2	1,266.99	1/2	1,434.99	1/2	1,602.43
3/4	94.49	3/4	262.49	3/4	430.49	3/4	598.49	3/4	766.49	3/4	934.49	3/4	1,102.49	3/4	1,270.49	3/4	1,438.49	3/4	1,605.91
7	97.99	7	265.99	7	433.99	7	601.99	7	769.99	7	937.99	7	1,105.99	7	1,273.99	7	1,441.99	7	1,609.39
1/4	101.49	1/4	269.49	1/4	437.49	1/4	605.49	1/4	773.49	1/4	941.49	1/4	1,109.49	1/4	1,277.49	1/4	1,445.49	1/4	1,612.87
1/2	104.99	1/2	272.99	1/2	440.99	1/2	608.99	1/2	776.99	1/2	944.99	1/2	1,112.99	1/2	1,280.99	1/2	1,448.99	1/2	1,616.35
3/4	108.49	3/4	276.49	3/4	444.49	3/4	612.49	3/4	780.49	3/4	948.49	3/4	1,116.49	3/4	1,284.49	3/4	1,452.49	3/4	1,619.83
8	111.99	8	279.99	8	447.99	8	615.99	8	783.99	8	951.99	8	1,119.99	8	1,287.99	8	1,455.99	8	1,623.31
1/4	115.49	1/4	283.49	1/4	451.49	1/4	619.49	1/4	787.49	1/4	955.49	1/4	1,123.49	1/4	1,291.49	1/4	1,459.49	1/4	1,626.79
1/2	118.99	1/2	286.99	1/2	454.99	1/2	622.99	1/2	790.99	1/2	958.99	1/2	1,126.99	1/2	1,294.99	1/2	1,462.99	1/2	1,630.27
3/4	122.49	3/4	290.49	3/4	458.49	3/4	626.49	3/4	794.49	3/4	962.49	3/4	1,130.49	3/4	1,298.49	3/4	1,466.49	3/4	1,633.75
9	125.99	9	293.99	9	461.99	9	629.99	9	797.99	9	965.99	9	1,133.99	9	1,301.99	9	1,469.99	9	1,637.23
1/4	129.49	1/4	297.49	1/4	465.49	1/4	633.49	1/4	801.49	1/4	969.49	1/4	1,137.49	1/4	1,305.49	1/4	1,473.49	1/4	1,640.71
1/2	132.99	1/2	300.99	1/2	468.99	1/2	636.99	1/2	804.99	1/2	972.99	1/2	1,140.99	1/2	1,308.99	1/2	1,476.99	1/2	1,644.19
3/4	136.49	3/4	304.49	3/4	472.49	3/4	640.49	3/4	808.49	3/4	976.49	3/4	1,144.49	3/4	1,312.49	3/4	1,480.49	3/4	1,647.67
10	139.99	10	307.99	10	475.99	10	643.99	10	811.99	10	979.99	10	1,147.99	10	1,315.99	10	1,483.99	10	1,651.15
1/4	143.49	1/4	311.49	1/4	479.49	1/4	647.49	1/4	815.49	1/4	983.49	1/4	1,151.49	1/4	1,319.49	1/4	1,487.49	1/4	1,654.63
1/2	146.99	1/2	314.99	1/2	482.99	1/2	650.99	1/2	818.99	1/2	986.99	1/2	1,154.99	1/2	1,322.99	1/2	1,490.99	1/2	1,658.11
3/4	150.49	3/4	318.49	3/4	486.49	3/4	654.49	3/4	822.49	3/4	990.49	3/4	1,158.49	3/4	1,326.49	3/4	1,494.49	3/4	1,661.59
11	153.99	11	321.99	11	489.99	11	657.99	11	825.99	11	993.99	11	1,161.99	11	1,329.99	11	1,497.99	11	1,665.07
1/4	157.49	1/4	325.49	1/4	493.49	1/4	661.49	1/4	829.49	1/4	997.49	1/4	1,165.49	1/4	1,333.49	1/4	1,501.48	1/4	1,668.55
1/2	160.99	1/2	328.99	1/2	496.99	1/2	664.99	1/2	832.99	1/2	1,000.99	1/2	1,168.99	1/2	1,336.99	1/2	1,504.97	1/2	1,672.03
3/4	164.49	3/4	332.49	3/4	500.49	3/4	668.49	3/4	836.49	3/4	1,004.49	3/4	1,172.49	3/4	1,340.49	3/4	1,508.46	3/4	1,675.51

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE.

GAUGE POINT: (MMC VALVE) LOCATED 10'-09" OFF CENTERLINE AND 19'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "401"

4 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-03"

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	1,678.99	0		0		0		0		0		0		0		0		0	
1/4	1,682.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,685.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,689.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,692.91	1		1		1		1		1		1		1		1		1	
1/4	1,696.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,699.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,703.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,706.83	2		2		2		2		2		2		2		2		2	
1/4	1,710.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,713.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,717.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	1,720.75	3		3		3		3		3		3		3		3		3	
1/4	1,724.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,727.71	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,731.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	1,734.67	4		4		4		4		4		4		4		4		4	
1/4	1,738.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,741.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,745.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	1,748.59	5		5		5		5		5		5		5		5		5	
1/4	1,752.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,755.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,759.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	1,762.51	6		6		6		6		6		6		6		6		6	
1/4	1,765.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,768.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,771.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	1,775.15	7		7		7		7		7		7		7		7		7	
1/4	1,777.68	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,780.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,782.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	1,785.25	8		8		8		8		8		8		8		8		8	
1/4	1,787.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,789.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,790.91	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	1,792.80	9		9		9		9		9		9		9		9		9	
1/4	1,794.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,795.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,796.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	1,797.81	10		10		10		10		10		10		10		10		10	
1/4	1,798.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,799.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,799.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,800.27	11		11		11		11		11		11		11		11		11	
1/4	1,800.29	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,800.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2022

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BARGE "401"

4 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-02 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	7.00	0	167.99	0	335.99	0	503.99	0	671.99	0	839.99	0	1,007.99	0	1,175.99	0	1,343.99	0	1,511.95
1/4	9.19	1/4	171.49	1/4	339.49	1/4	507.49	1/4	675.49	1/4	843.49	1/4	1,011.49	1/4	1,179.49	1/4	1,347.49	1/4	1,515.43
1/2	11.37	1/2	174.99	1/2	342.99	1/2	510.99	1/2	678.99	1/2	846.99	1/2	1,014.99	1/2	1,182.99	1/2	1,350.99	1/2	1,518.91
3/4	13.56	3/4	178.49	3/4	346.49	3/4	514.49	3/4	682.49	3/4	850.49	3/4	1,018.49	3/4	1,186.49	3/4	1,354.49	3/4	1,522.39
1	15.74	1	181.99	1	349.99	1	517.99	1	685.99	1	853.99	1	1,021.99	1	1,189.99	1	1,357.99	1	1,525.87
1/4	18.80	1/4	185.49	1/4	353.49	1/4	521.49	1/4	689.49	1/4	857.49	1/4	1,025.49	1/4	1,193.49	1/4	1,361.49	1/4	1,529.35
1/2	21.87	1/2	188.99	1/2	356.99	1/2	524.99	1/2	692.99	1/2	860.99	1/2	1,028.99	1/2	1,196.99	1/2	1,364.99	1/2	1,532.83
3/4	24.93	3/4	192.49	3/4	360.49	3/4	528.49	3/4	696.49	3/4	864.49	3/4	1,032.49	3/4	1,200.49	3/4	1,368.49	3/4	1,536.31
2	27.99	2	195.99	2	363.99	2	531.99	2	699.99	2	867.99	2	1,035.99	2	1,203.99	2	1,371.99	2	1,539.79
1/4	31.49	1/4	199.49	1/4	367.49	1/4	535.49	1/4	703.49	1/4	871.49	1/4	1,039.49	1/4	1,207.49	1/4	1,375.49	1/4	1,543.27
1/2	34.99	1/2	202.99	1/2	370.99	1/2	538.99	1/2	706.99	1/2	874.99	1/2	1,042.99	1/2	1,210.99	1/2	1,378.99	1/2	1,546.75
3/4	38.49	3/4	206.49	3/4	374.49	3/4	542.49	3/4	710.49	3/4	878.49	3/4	1,046.49	3/4	1,214.49	3/4	1,382.49	3/4	1,550.23
3	41.99	3	209.99	3	377.99	3	545.99	3	713.99	3	881.99	3	1,049.99	3	1,217.99	3	1,385.99	3	1,553.71
1/4	45.49	1/4	213.49	1/4	381.49	1/4	549.49	1/4	717.49	1/4	885.49	1/4	1,053.49	1/4	1,221.49	1/4	1,389.49	1/4	1,557.19
1/2	48.99	1/2	216.99	1/2	384.99	1/2	552.99	1/2	720.99	1/2	888.99	1/2	1,056.99	1/2	1,224.99	1/2	1,392.99	1/2	1,560.67
3/4	52.49	3/4	220.49	3/4	388.49	3/4	556.49	3/4	724.49	3/4	892.49	3/4	1,060.49	3/4	1,228.49	3/4	1,396.49	3/4	1,564.15
4	55.99	4	223.99	4	391.99	4	559.99	4	727.99	4	895.99	4	1,063.99	4	1,231.99	4	1,399.99	4	1,567.63
1/4	59.49	1/4	227.49	1/4	395.49	1/4	563.49	1/4	731.49	1/4	899.49	1/4	1,067.49	1/4	1,235.49	1/4	1,403.49	1/4	1,571.11
1/2	62.99	1/2	230.99	1/2	398.99	1/2	566.99	1/2	734.99	1/2	902.99	1/2	1,070.99	1/2	1,238.99	1/2	1,406.99	1/2	1,574.59
3/4	66.49	3/4	234.49	3/4	402.49	3/4	570.49	3/4	738.49	3/4	906.49	3/4	1,074.49	3/4	1,242.49	3/4	1,410.49	3/4	1,578.07
5	69.99	5	237.99	5	405.99	5	573.99	5	741.99	5	909.99	5	1,077.99	5	1,245.99	5	1,413.99	5	1,581.55
1/4	73.49	1/4	241.49	1/4	409.49	1/4	577.49	1/4	745.49	1/4	913.49	1/4	1,081.49	1/4	1,249.49	1/4	1,417.49	1/4	1,585.03
1/2	76.99	1/2	244.99	1/2	412.99	1/2	580.99	1/2	748.99	1/2	916.99	1/2	1,084.99	1/2	1,252.99	1/2	1,420.99	1/2	1,588.51
3/4	80.49	3/4	248.49	3/4	416.49	3/4	584.49	3/4	752.49	3/4	920.49	3/4	1,088.49	3/4	1,256.49	3/4	1,424.49	3/4	1,591.99
6	83.99	6	251.99	6	419.99	6	587.99	6	755.99	6	923.99	6	1,091.99	6	1,259.99	6	1,427.99	6	1,595.47
1/4	87.49	1/4	255.49	1/4	423.49	1/4	591.49	1/4	759.49	1/4	927.49	1/4	1,095.49	1/4	1,263.49	1/4	1,431.49	1/4	1,598.95
1/2	90.99	1/2	258.99	1/2	426.99	1/2	594.99	1/2	762.99	1/2	930.99	1/2	1,098.99	1/2	1,266.99	1/2	1,434.99	1/2	1,602.43
3/4	94.49	3/4	262.49	3/4	430.49	3/4	598.49	3/4	766.49	3/4	934.49	3/4	1,102.49	3/4	1,270.49	3/4	1,438.49	3/4	1,605.91
7	97.99	7	265.99	7	433.99	7	601.99	7	769.99	7	937.99	7	1,105.99	7	1,273.99	7	1,441.99	7	1,609.39
1/4	101.49	1/4	269.49	1/4	437.49	1/4	605.49	1/4	773.49	1/4	941.49	1/4	1,109.49	1/4	1,277.49	1/4	1,445.49	1/4	1,612.87
1/2	104.99	1/2	272.99	1/2	440.99	1/2	608.99	1/2	776.99	1/2	944.99	1/2	1,112.99	1/2	1,280.99	1/2	1,448.99	1/2	1,616.35
3/4	108.49	3/4	276.49	3/4	444.49	3/4	612.49	3/4	780.49	3/4	948.49	3/4	1,116.49	3/4	1,284.49	3/4	1,452.49	3/4	1,619.83
8	111.99	8	279.99	8	447.99	8	615.99	8	783.99	8	951.99	8	1,119.99	8	1,287.99	8	1,455.99	8	1,623.31
1/4	115.49	1/4	283.49	1/4	451.49	1/4	619.49	1/4	787.49	1/4	955.49	1/4	1,123.49	1/4	1,291.49	1/4	1,459.49	1/4	1,626.79
1/2	118.99	1/2	286.99	1/2	454.99	1/2	622.99	1/2	790.99	1/2	958.99	1/2	1,126.99	1/2	1,294.99	1/2	1,462.99	1/2	1,630.27
3/4	122.49	3/4	290.49	3/4	458.49	3/4	626.49	3/4	794.49	3/4	962.49	3/4	1,130.49	3/4	1,298.49	3/4	1,466.49	3/4	1,633.75
9	125.99	9	293.99	9	461.99	9	629.99	9	797.99	9	965.99	9	1,133.99	9	1,301.99	9	1,469.99	9	1,637.23
1/4	129.49	1/4	297.49	1/4	465.49	1/4	633.49	1/4	801.49	1/4	969.49	1/4	1,137.49	1/4	1,305.49	1/4	1,473.49	1/4	1,640.71
1/2	132.99	1/2	300.99	1/2	468.99	1/2	636.99	1/2	804.99	1/2	972.99	1/2	1,140.99	1/2	1,308.99	1/2	1,476.99	1/2	1,644.19
3/4	136.49	3/4	304.49	3/4	472.49	3/4	640.49	3/4	808.49	3/4	976.49	3/4	1,144.49	3/4	1,312.49	3/4	1,480.49	3/4	1,647.67
10	139.99	10	307.99	10	475.99	10	643.99	10	811.99	10	979.99	10	1,147.99	10	1,315.99	10	1,483.99	10	1,651.15
1/4	143.49	1/4	311.49	1/4	479.49	1/4	647.49	1/4	815.49	1/4	983.49	1/4	1,151.49	1/4	1,319.49	1/4	1,487.49	1/4	1,654.63
1/2	146.99	1/2	314.99	1/2	482.99	1/2	650.99	1/2	818.99	1/2	986.99	1/2	1,154.99	1/2	1,322.99	1/2	1,490.99	1/2	1,658.11
3/4	150.49	3/4	318.49	3/4	486.49	3/4	654.49	3/4	822.49	3/4	990.49	3/4	1,158.49	3/4	1,326.49	3/4	1,494.49	3/4	1,661.59
11	153.99	11	321.99	11	489.99	11	657.99	11	825.99	11	993.99	11	1,161.99	11	1,329.99	11	1,497.99	11	1,665.07
1/4	157.49	1/4	325.49	1/4	493.49	1/4	661.49	1/4	829.49	1/4	997.49	1/4	1,165.49	1/4	1,333.49	1/4	1,501.48	1/4	1,668.55
1/2	160.99	1/2	328.99	1/2	496.99	1/2	664.99	1/2	832.99	1/2	1,000.99	1/2	1,168.99	1/2	1,336.99	1/2	1,504.97	1/2	1,672.03
3/4	164.49	3/4	332.49	3/4	500.49	3/4	668.49	3/4	836.49	3/4	1,004.49	3/4	1,172.49	3/4	1,340.49	3/4	1,508.46	3/4	1,675.51

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BARGE "401"

4 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,678.99	0		0		0		0		0		0		0		0		0	
1/4	1,682.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,685.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,689.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,692.91	1		1		1		1		1		1		1		1		1	
1/4	1,696.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,699.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,703.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,706.83	2		2		2		2		2		2		2		2		2	
1/4	1,710.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,713.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,717.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	1,720.75	3		3		3		3		3		3		3		3		3	
1/4	1,724.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,727.71	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,731.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	1,734.67	4		4		4		4		4		4		4		4		4	
1/4	1,738.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,741.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,745.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	1,748.59	5		5		5		5		5		5		5		5		5	
1/4	1,752.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,755.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,759.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	1,762.51	6		6		6		6		6		6		6		6		6	
1/4	1,765.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,768.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,771.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	1,775.15	7		7		7		7		7		7		7		7		7	
1/4	1,777.68	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,780.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,782.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	1,785.25	8		8		8		8		8		8		8		8		8	
1/4	1,787.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,789.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,790.91	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	1,792.80	9		9		9		9		9		9		9		9		9	
1/4	1,794.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,795.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,796.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	1,797.81	10		10		10		10		10		10		10		10		10	
1/4	1,798.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,799.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,799.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,800.27	11		11		11		11		11		11		11		11		11	
1/4	1,800.29	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,800.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2002 INSP.
RECALCULATED: 06/28/2022 PMA
REPRINTED: 06/28/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2022

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



BARGE "401"

5 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-02 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	8.16	0	195.83	0	391.67	0	587.51	0	783.35	0	979.19	0	1,175.03	0	1,370.87	0	1,566.71	0	1,762.50
1/4	10.71	1/4	199.91	1/4	395.75	1/4	591.59	1/4	787.43	1/4	983.27	1/4	1,179.11	1/4	1,374.95	1/4	1,570.79	1/4	1,766.56
1/2	13.26	1/2	203.99	1/2	399.83	1/2	595.67	1/2	791.51	1/2	987.35	1/2	1,183.19	1/2	1,379.03	1/2	1,574.87	1/2	1,770.61
3/4	15.81	3/4	208.07	3/4	403.91	3/4	599.75	3/4	795.59	3/4	991.43	3/4	1,187.27	3/4	1,383.11	3/4	1,578.95	3/4	1,774.67
1	18.36	1	212.15	1	407.99	1	603.83	1	799.67	1	995.51	1	1,191.35	1	1,387.19	1	1,583.03	1	1,778.73
1/4	21.93	1/4	216.23	1/4	412.07	1/4	607.91	1/4	803.75	1/4	999.59	1/4	1,195.43	1/4	1,391.27	1/4	1,587.11	1/4	1,782.78
1/2	25.50	1/2	220.31	1/2	416.15	1/2	611.99	1/2	807.83	1/2	1,003.67	1/2	1,199.51	1/2	1,395.35	1/2	1,591.19	1/2	1,786.84
3/4	29.06	3/4	224.39	3/4	420.23	3/4	616.07	3/4	811.91	3/4	1,007.75	3/4	1,203.59	3/4	1,399.43	3/4	1,595.27	3/4	1,790.89
2	32.63	2	228.47	2	424.31	2	620.15	2	815.99	2	1,011.83	2	1,207.67	2	1,403.51	2	1,599.35	2	1,794.95
1/4	36.71	1/4	232.55	1/4	428.39	1/4	624.23	1/4	820.07	1/4	1,015.91	1/4	1,211.75	1/4	1,407.59	1/4	1,603.43	1/4	1,799.01
1/2	40.79	1/2	236.63	1/2	432.47	1/2	628.31	1/2	824.15	1/2	1,019.99	1/2	1,215.83	1/2	1,411.67	1/2	1,607.51	1/2	1,803.06
3/4	44.87	3/4	240.71	3/4	436.55	3/4	632.39	3/4	828.23	3/4	1,024.07	3/4	1,219.91	3/4	1,415.75	3/4	1,611.59	3/4	1,807.12
3	48.95	3	244.79	3	440.63	3	636.47	3	832.31	3	1,028.15	3	1,223.99	3	1,419.83	3	1,615.67	3	1,811.18
1/4	53.03	1/4	248.87	1/4	444.71	1/4	640.55	1/4	836.39	1/4	1,032.23	1/4	1,228.07	1/4	1,423.91	1/4	1,619.75	1/4	1,815.23
1/2	57.11	1/2	252.95	1/2	448.79	1/2	644.63	1/2	840.47	1/2	1,036.31	1/2	1,232.15	1/2	1,427.99	1/2	1,623.83	1/2	1,819.29
3/4	61.19	3/4	257.03	3/4	452.87	3/4	648.71	3/4	844.55	3/4	1,040.39	3/4	1,236.23	3/4	1,432.07	3/4	1,627.91	3/4	1,823.34
4	65.27	4	261.11	4	456.95	4	652.79	4	848.63	4	1,044.47	4	1,240.31	4	1,436.15	4	1,631.99	4	1,827.40
1/4	69.35	1/4	265.19	1/4	461.03	1/4	656.87	1/4	852.71	1/4	1,048.55	1/4	1,244.39	1/4	1,440.23	1/4	1,636.07	1/4	1,831.45
1/2	73.43	1/2	269.27	1/2	465.11	1/2	660.95	1/2	856.79	1/2	1,052.63	1/2	1,248.47	1/2	1,444.31	1/2	1,640.15	1/2	1,835.51
3/4	77.51	3/4	273.35	3/4	469.19	3/4	665.03	3/4	860.87	3/4	1,056.71	3/4	1,252.55	3/4	1,448.39	3/4	1,644.23	3/4	1,839.56
5	81.59	5	277.43	5	473.27	5	669.11	5	864.95	5	1,060.79	5	1,256.63	5	1,452.47	5	1,648.31	5	1,843.62
1/4	85.67	1/4	281.51	1/4	477.35	1/4	673.19	1/4	869.03	1/4	1,064.87	1/4	1,260.71	1/4	1,456.55	1/4	1,652.39	1/4	1,847.68
1/2	89.75	1/2	285.59	1/2	481.43	1/2	677.27	1/2	873.11	1/2	1,068.95	1/2	1,264.79	1/2	1,460.63	1/2	1,656.47	1/2	1,851.73
3/4	93.83	3/4	289.67	3/4	485.51	3/4	681.35	3/4	877.19	3/4	1,073.03	3/4	1,268.87	3/4	1,464.71	3/4	1,660.55	3/4	1,855.79
6	97.91	6	293.75	6	489.59	6	685.43	6	881.27	6	1,077.11	6	1,272.95	6	1,468.79	6	1,664.63	6	1,859.85
1/4	101.99	1/4	297.83	1/4	493.67	1/4	689.51	1/4	885.35	1/4	1,081.19	1/4	1,277.03	1/4	1,472.87	1/4	1,668.71	1/4	1,863.90
1/2	106.07	1/2	301.91	1/2	497.75	1/2	693.59	1/2	889.43	1/2	1,085.27	1/2	1,281.11	1/2	1,476.95	1/2	1,672.79	1/2	1,867.96
3/4	110.15	3/4	305.99	3/4	501.83	3/4	697.67	3/4	893.51	3/4	1,089.35	3/4	1,285.19	3/4	1,481.03	3/4	1,676.87	3/4	1,872.01
7	114.23	7	310.07	7	505.91	7	701.75	7	897.59	7	1,093.43	7	1,289.27	7	1,485.11	7	1,680.95	7	1,876.07
1/4	118.31	1/4	314.15	1/4	509.99	1/4	705.83	1/4	901.67	1/4	1,097.51	1/4	1,293.35	1/4	1,489.19	1/4	1,685.03	1/4	1,880.13
1/2	122.39	1/2	318.23	1/2	514.07	1/2	709.91	1/2	905.75	1/2	1,101.59	1/2	1,297.43	1/2	1,493.27	1/2	1,689.11	1/2	1,884.18
3/4	126.47	3/4	322.31	3/4	518.15	3/4	713.99	3/4	909.83	3/4	1,105.67	3/4	1,301.51	3/4	1,497.35	3/4	1,693.19	3/4	1,888.24
8	130.55	8	326.39	8	522.23	8	718.07	8	913.91	8	1,109.75	8	1,305.59	8	1,501.43	8	1,697.27	8	1,892.30
1/4	134.63	1/4	330.47	1/4	526.31	1/4	722.15	1/4	917.99	1/4	1,113.83	1/4	1,309.67	1/4	1,505.51	1/4	1,701.35	1/4	1,896.35
1/2	138.71	1/2	334.55	1/2	530.39	1/2	726.23	1/2	922.07	1/2	1,117.91	1/2	1,313.75	1/2	1,509.59	1/2	1,705.43	1/2	1,900.41
3/4	142.79	3/4	338.63	3/4	534.47	3/4	730.31	3/4	926.15	3/4	1,121.99	3/4	1,317.83	3/4	1,513.67	3/4	1,709.51	3/4	1,904.46
9	146.87	9	342.71	9	538.55	9	734.39	9	930.23	9	1,126.07	9	1,321.91	9	1,517.75	9	1,713.59	9	1,908.52
1/4	150.95	1/4	346.79	1/4	542.63	1/4	738.47	1/4	934.31	1/4	1,130.15	1/4	1,325.99	1/4	1,521.83	1/4	1,717.67	1/4	1,912.57
1/2	155.03	1/2	350.87	1/2	546.71	1/2	742.55	1/2	938.39	1/2	1,134.23	1/2	1,330.07	1/2	1,525.91	1/2	1,721.75	1/2	1,916.63
3/4	159.11	3/4	354.95	3/4	550.79	3/4	746.63	3/4	942.47	3/4	1,138.31	3/4	1,334.15	3/4	1,529.99	3/4	1,725.83	3/4	1,920.68
10	163.19	10	359.03	10	554.87	10	750.71	10	946.55	10	1,142.39	10	1,338.23	10	1,534.07	10	1,729.91	10	1,924.74
1/4	167.27	1/4	363.11	1/4	558.95	1/4	754.79	1/4	950.63	1/4	1,146.47	1/4	1,342.31	1/4	1,538.15	1/4	1,733.99	1/4	1,928.80
1/2	171.35	1/2	367.19	1/2	563.03	1/2	758.87	1/2	954.71	1/2	1,150.55	1/2	1,346.39	1/2	1,542.23	1/2	1,738.07	1/2	1,932.85
3/4	175.43	3/4	371.27	3/4	567.11	3/4	762.95	3/4	958.79	3/4	1,154.63	3/4	1,350.47	3/4	1,546.31	3/4	1,742.15	3/4	1,936.91
11	179.51	11	375.35	11	571.19	11	767.03	11	962.87	11	1,158.71	11	1,354.55	11	1,550.39	11	1,746.23	11	1,940.97
1/4	183.59	1/4	379.43	1/4	575.27	1/4	771.11	1/4	966.95	1/4	1,162.79	1/4	1,358.63	1/4	1,554.47	1/4	1,750.30	1/4	1,945.02
1/2	187.67	1/2	383.51	1/2	579.35	1/2	775.19	1/2	971.03	1/2	1,166.87	1/2	1,362.71	1/2	1,558.55	1/2	1,754.36	1/2	1,949.08
3/4	191.75	3/4	387.59	3/4	583.43	3/4	779.27	3/4	975.11	3/4	1,170.95	3/4	1,366.79	3/4	1,562.63	3/4	1,758.43	3/4	1,953.13

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE.

GAUGE POINT: (MMC VALVE) LOCATED 10'-09" OFF CENTERLINE AND 24'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "401"

5 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-02 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	1,957.19	0		0		0		0		0		0		0		0		0	
1/4	1,961.25	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,965.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,969.36	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,973.42	1		1		1		1		1		1		1		1		1	
1/4	1,977.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,981.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,985.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,989.64	2		2		2		2		2		2		2		2		2	
1/4	1,993.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,997.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,001.80	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,005.86	3		3		3		3		3		3		3		3		3	
1/4	2,009.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,013.97	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,018.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,022.09	4		4		4		4		4		4		4		4		4	
1/4	2,026.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,030.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,034.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,038.31	5		5		5		5		5		5		5		5		5	
1/4	2,042.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,046.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,050.48	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,054.54	6		6		6		6		6		6		6		6		6	
1/4	2,058.22	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,061.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,065.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,069.27	7		7		7		7		7		7		7		7		7	
1/4	2,072.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,075.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,078.10	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,081.04	8		8		8		8		8		8		8		8		8	
1/4	2,083.24	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,085.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,087.65	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,089.85	9		9		9		9		9		9		9		9		9	
1/4	2,091.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,092.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,094.23	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,095.69	10		10		10		10		10		10		10		10		10	
1/4	2,096.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,097.12	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,097.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,098.56	11		11		11		11		11		11		11		11		11	
1/4	2,098.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,098.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2002 INSP.
 RECALCULATED: 06/28/2022 PMA
 REPRINTED: 06/28/2022 PMA

CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2022

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



BARGE "401"

5 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-02 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	8.16	0	195.83	0	391.67	0	587.51	0	783.35	0	979.19	0	1,175.03	0	1,370.87	0	1,566.71	0	1,762.50
1/4	10.71	1/4	199.91	1/4	395.75	1/4	591.59	1/4	787.43	1/4	983.27	1/4	1,179.11	1/4	1,374.95	1/4	1,570.79	1/4	1,766.56
1/2	13.26	1/2	203.99	1/2	399.83	1/2	595.67	1/2	791.51	1/2	987.35	1/2	1,183.19	1/2	1,379.03	1/2	1,574.87	1/2	1,770.61
3/4	15.81	3/4	208.07	3/4	403.91	3/4	599.75	3/4	795.59	3/4	991.43	3/4	1,187.27	3/4	1,383.11	3/4	1,578.95	3/4	1,774.67
1	18.36	1	212.15	1	407.99	1	603.83	1	799.67	1	995.51	1	1,191.35	1	1,387.19	1	1,583.03	1	1,778.73
1/4	21.93	1/4	216.23	1/4	412.07	1/4	607.91	1/4	803.75	1/4	999.59	1/4	1,195.43	1/4	1,391.27	1/4	1,587.11	1/4	1,782.78
1/2	25.50	1/2	220.31	1/2	416.15	1/2	611.99	1/2	807.83	1/2	1,003.67	1/2	1,199.51	1/2	1,395.35	1/2	1,591.19	1/2	1,786.84
3/4	29.06	3/4	224.39	3/4	420.23	3/4	616.07	3/4	811.91	3/4	1,007.75	3/4	1,203.59	3/4	1,399.43	3/4	1,595.27	3/4	1,790.89
2	32.63	2	228.47	2	424.31	2	620.15	2	815.99	2	1,011.83	2	1,207.67	2	1,403.51	2	1,599.35	2	1,794.95
1/4	36.71	1/4	232.55	1/4	428.39	1/4	624.23	1/4	820.07	1/4	1,015.91	1/4	1,211.75	1/4	1,407.59	1/4	1,603.43	1/4	1,799.01
1/2	40.79	1/2	236.63	1/2	432.47	1/2	628.31	1/2	824.15	1/2	1,019.99	1/2	1,215.83	1/2	1,411.67	1/2	1,607.51	1/2	1,803.06
3/4	44.87	3/4	240.71	3/4	436.55	3/4	632.39	3/4	828.23	3/4	1,024.07	3/4	1,219.91	3/4	1,415.75	3/4	1,611.59	3/4	1,807.12
3	48.95	3	244.79	3	440.63	3	636.47	3	832.31	3	1,028.15	3	1,223.99	3	1,419.83	3	1,615.67	3	1,811.18
1/4	53.03	1/4	248.87	1/4	444.71	1/4	640.55	1/4	836.39	1/4	1,032.23	1/4	1,228.07	1/4	1,423.91	1/4	1,619.75	1/4	1,815.23
1/2	57.11	1/2	252.95	1/2	448.79	1/2	644.63	1/2	840.47	1/2	1,036.31	1/2	1,232.15	1/2	1,427.99	1/2	1,623.83	1/2	1,819.29
3/4	61.19	3/4	257.03	3/4	452.87	3/4	648.71	3/4	844.55	3/4	1,040.39	3/4	1,236.23	3/4	1,432.07	3/4	1,627.91	3/4	1,823.34
4	65.27	4	261.11	4	456.95	4	652.79	4	848.63	4	1,044.47	4	1,240.31	4	1,436.15	4	1,631.99	4	1,827.40
1/4	69.35	1/4	265.19	1/4	461.03	1/4	656.87	1/4	852.71	1/4	1,048.55	1/4	1,244.39	1/4	1,440.23	1/4	1,636.07	1/4	1,831.45
1/2	73.43	1/2	269.27	1/2	465.11	1/2	660.95	1/2	856.79	1/2	1,052.63	1/2	1,248.47	1/2	1,444.31	1/2	1,640.15	1/2	1,835.51
3/4	77.51	3/4	273.35	3/4	469.19	3/4	665.03	3/4	860.87	3/4	1,056.71	3/4	1,252.55	3/4	1,448.39	3/4	1,644.23	3/4	1,839.56
5	81.59	5	277.43	5	473.27	5	669.11	5	864.95	5	1,060.79	5	1,256.63	5	1,452.47	5	1,648.31	5	1,843.62
1/4	85.67	1/4	281.51	1/4	477.35	1/4	673.19	1/4	869.03	1/4	1,064.87	1/4	1,260.71	1/4	1,456.55	1/4	1,652.39	1/4	1,847.68
1/2	89.75	1/2	285.59	1/2	481.43	1/2	677.27	1/2	873.11	1/2	1,068.95	1/2	1,264.79	1/2	1,460.63	1/2	1,656.47	1/2	1,851.73
3/4	93.83	3/4	289.67	3/4	485.51	3/4	681.35	3/4	877.19	3/4	1,073.03	3/4	1,268.87	3/4	1,464.71	3/4	1,660.55	3/4	1,855.79
6	97.91	6	293.75	6	489.59	6	685.43	6	881.27	6	1,077.11	6	1,272.95	6	1,468.79	6	1,664.63	6	1,859.85
1/4	101.99	1/4	297.83	1/4	493.67	1/4	689.51	1/4	885.35	1/4	1,081.19	1/4	1,277.03	1/4	1,472.87	1/4	1,668.71	1/4	1,863.90
1/2	106.07	1/2	301.91	1/2	497.75	1/2	693.59	1/2	889.43	1/2	1,085.27	1/2	1,281.11	1/2	1,476.95	1/2	1,672.79	1/2	1,867.96
3/4	110.15	3/4	305.99	3/4	501.83	3/4	697.67	3/4	893.51	3/4	1,089.35	3/4	1,285.19	3/4	1,481.03	3/4	1,676.87	3/4	1,872.01
7	114.23	7	310.07	7	505.91	7	701.75	7	897.59	7	1,093.43	7	1,289.27	7	1,485.11	7	1,680.95	7	1,876.07
1/4	118.31	1/4	314.15	1/4	509.99	1/4	705.83	1/4	901.67	1/4	1,097.51	1/4	1,293.35	1/4	1,489.19	1/4	1,685.03	1/4	1,880.13
1/2	122.39	1/2	318.23	1/2	514.07	1/2	709.91	1/2	905.75	1/2	1,101.59	1/2	1,297.43	1/2	1,493.27	1/2	1,689.11	1/2	1,884.18
3/4	126.47	3/4	322.31	3/4	518.15	3/4	713.99	3/4	909.83	3/4	1,105.67	3/4	1,301.51	3/4	1,497.35	3/4	1,693.19	3/4	1,888.24
8	130.55	8	326.39	8	522.23	8	718.07	8	913.91	8	1,109.75	8	1,305.59	8	1,501.43	8	1,697.27	8	1,892.30
1/4	134.63	1/4	330.47	1/4	526.31	1/4	722.15	1/4	917.99	1/4	1,113.83	1/4	1,309.67	1/4	1,505.51	1/4	1,701.35	1/4	1,896.35
1/2	138.71	1/2	334.55	1/2	530.39	1/2	726.23	1/2	922.07	1/2	1,117.91	1/2	1,313.75	1/2	1,509.59	1/2	1,705.43	1/2	1,900.41
3/4	142.79	3/4	338.63	3/4	534.47	3/4	730.31	3/4	926.15	3/4	1,121.99	3/4	1,317.83	3/4	1,513.67	3/4	1,709.51	3/4	1,904.46
9	146.87	9	342.71	9	538.55	9	734.39	9	930.23	9	1,126.07	9	1,321.91	9	1,517.75	9	1,713.59	9	1,908.52
1/4	150.95	1/4	346.79	1/4	542.63	1/4	738.47	1/4	934.31	1/4	1,130.15	1/4	1,325.99	1/4	1,521.83	1/4	1,717.67	1/4	1,912.57
1/2	155.03	1/2	350.87	1/2	546.71	1/2	742.55	1/2	938.39	1/2	1,134.23	1/2	1,330.07	1/2	1,525.91	1/2	1,721.75	1/2	1,916.63
3/4	159.11	3/4	354.95	3/4	550.79	3/4	746.63	3/4	942.47	3/4	1,138.31	3/4	1,334.15	3/4	1,529.99	3/4	1,725.83	3/4	1,920.68
10	163.19	10	359.03	10	554.87	10	750.71	10	946.55	10	1,142.39	10	1,338.23	10	1,534.07	10	1,729.91	10	1,924.74
1/4	167.27	1/4	363.11	1/4	558.95	1/4	754.79	1/4	950.63	1/4	1,146.47	1/4	1,342.31	1/4	1,538.15	1/4	1,733.99	1/4	1,928.80
1/2	171.35	1/2	367.19	1/2	563.03	1/2	758.87	1/2	954.71	1/2	1,150.55	1/2	1,346.39	1/2	1,542.23	1/2	1,738.07	1/2	1,932.85
3/4	175.43	3/4	371.27	3/4	567.11	3/4	762.95	3/4	958.79	3/4	1,154.63	3/4	1,350.47	3/4	1,546.31	3/4	1,742.15	3/4	1,936.91
11	179.51	11	375.35	11	571.19	11	767.03	11	962.87	11	1,158.71	11	1,354.55	11	1,550.39	11	1,746.23	11	1,940.97
1/4	183.59	1/4	379.43	1/4	575.27	1/4	771.11	1/4	966.95	1/4	1,162.79	1/4	1,358.63	1/4	1,554.47	1/4	1,750.30	1/4	1,945.02
1/2	187.67	1/2	383.51	1/2	579.35	1/2	775.19	1/2	971.03	1/2	1,166.87	1/2	1,362.71	1/2	1,558.55	1/2	1,754.36	1/2	1,949.08
3/4	191.75	3/4	387.59	3/4	583.43	3/4	779.27	3/4	975.11	3/4	1,170.95	3/4	1,366.79	3/4	1,562.63	3/4	1,758.43	3/4	1,953.13

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE.

GAUGE POINT: (MMC VALVE) LOCATED 10'-09" OFF CENTERLINE AND 24'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "401"

5 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,957.19	0		0		0		0		0		0		0		0		0	
1/4	1,961.25	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,965.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,969.36	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,973.42	1		1		1		1		1		1		1		1		1	
1/4	1,977.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,981.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,985.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,989.64	2		2		2		2		2		2		2		2		2	
1/4	1,993.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,997.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,001.80	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,005.86	3		3		3		3		3		3		3		3		3	
1/4	2,009.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,013.97	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,018.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,022.09	4		4		4		4		4		4		4		4		4	
1/4	2,026.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,030.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,034.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,038.31	5		5		5		5		5		5		5		5		5	
1/4	2,042.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,046.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,050.48	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,054.54	6		6		6		6		6		6		6		6		6	
1/4	2,058.22	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,061.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,065.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,069.27	7		7		7		7		7		7		7		7		7	
1/4	2,072.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,075.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,078.10	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,081.04	8		8		8		8		8		8		8		8		8	
1/4	2,083.24	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,085.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,087.65	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,089.85	9		9		9		9		9		9		9		9		9	
1/4	2,091.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,092.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,094.23	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,095.69	10		10		10		10		10		10		10		10		10	
1/4	2,096.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,097.12	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,097.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,098.56	11		11		11		11		11		11		11		11		11	
1/4	2,098.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,098.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2002 INSP.
RECALCULATED: 06/28/2022 PMA
REPRINTED: 06/28/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2022

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