



# BARGE "FMT 1422"

## 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 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
2 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
3 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 163'-09"

December 11, 2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "FMT 1422"

# 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	4.07	0	221.20	0	469.63	0	714.67	0	959.42	0	1,207.10	0	1,454.78	0	1,702.36	0	1,949.43	0	2,197.17
1/4	4.93	1/4	226.38	1/4	474.80	1/4	719.67	1/4	964.58	1/4	1,212.26	1/4	1,459.94	1/4	1,707.50	1/4	1,954.59	1/4	2,202.34
1/2	5.80	1/2	231.55	1/2	479.98	1/2	724.68	1/2	969.74	1/2	1,217.42	1/2	1,465.10	1/2	1,712.65	1/2	1,959.75	1/2	2,207.50
3/4	6.66	3/4	236.73	3/4	485.16	3/4	729.68	3/4	974.90	3/4	1,222.58	3/4	1,470.26	3/4	1,717.79	3/4	1,964.91	3/4	2,212.66
1	7.52	1	241.90	1	490.33	1	734.68	1	980.06	1	1,227.74	1	1,475.42	1	1,722.93	1	1,970.07	1	2,217.82
1/4	10.11	1/4	247.08	1/4	495.51	1/4	739.69	1/4	985.22	1/4	1,232.90	1/4	1,480.58	1/4	1,728.08	1/4	1,975.23	1/4	2,222.98
1/2	12.69	1/2	252.25	1/2	500.68	1/2	744.69	1/2	990.38	1/2	1,238.06	1/2	1,485.74	1/2	1,733.22	1/2	1,980.40	1/2	2,228.14
3/4	15.28	3/4	257.43	3/4	505.86	3/4	749.70	3/4	995.54	3/4	1,243.22	3/4	1,490.90	3/4	1,738.37	3/4	1,985.56	3/4	2,233.30
2	17.87	2	262.60	2	511.03	2	754.70	2	1,000.70	2	1,248.38	2	1,496.06	2	1,743.51	2	1,990.72	2	2,238.47
1/4	22.18	1/4	267.78	1/4	516.21	1/4	759.70	1/4	1,005.86	1/4	1,253.54	1/4	1,501.22	1/4	1,748.66	1/4	1,995.88	1/4	2,243.63
1/2	26.49	1/2	272.96	1/2	521.38	1/2	764.71	1/2	1,011.02	1/2	1,258.70	1/2	1,506.38	1/2	1,753.80	1/2	2,001.04	1/2	2,248.79
3/4	30.80	3/4	278.13	3/4	526.56	3/4	769.71	3/4	1,016.18	3/4	1,263.86	3/4	1,511.53	3/4	1,758.95	3/4	2,006.20	3/4	2,253.95
3	35.11	3	283.31	3	531.74	3	774.72	3	1,021.34	3	1,269.02	3	1,516.69	3	1,764.09	3	2,011.36	3	2,259.11
1/4	40.24	1/4	288.48	1/4	536.91	1/4	779.74	1/4	1,026.50	1/4	1,274.18	1/4	1,521.84	1/4	1,769.23	1/4	2,016.53	1/4	2,264.27
1/2	45.37	1/2	293.66	1/2	542.09	1/2	784.77	1/2	1,031.66	1/2	1,279.34	1/2	1,527.00	1/2	1,774.38	1/2	2,021.69	1/2	2,269.43
3/4	50.50	3/4	298.83	3/4	547.26	3/4	789.80	3/4	1,036.82	3/4	1,284.50	3/4	1,532.16	3/4	1,779.52	3/4	2,026.85	3/4	2,274.60
4	55.63	4	304.01	4	552.44	4	794.82	4	1,041.98	4	1,289.66	4	1,537.31	4	1,784.67	4	2,032.01	4	2,279.76
1/4	60.80	1/4	309.19	1/4	557.61	1/4	799.85	1/4	1,047.14	1/4	1,294.82	1/4	1,542.47	1/4	1,789.81	1/4	2,037.17	1/4	2,284.92
1/2	65.96	1/2	314.36	1/2	562.79	1/2	804.88	1/2	1,052.30	1/2	1,299.98	1/2	1,547.63	1/2	1,794.96	1/2	2,042.33	1/2	2,290.08
3/4	71.12	3/4	319.54	3/4	567.97	3/4	809.91	3/4	1,057.46	3/4	1,305.14	3/4	1,552.78	3/4	1,800.10	3/4	2,047.49	3/4	2,295.24
5	76.28	5	324.71	5	573.14	5	814.94	5	1,062.62	5	1,310.30	5	1,557.94	5	1,805.25	5	2,052.66	5	2,300.40
1/4	81.46	1/4	329.89	1/4	578.31	1/4	820.10	1/4	1,067.78	1/4	1,315.46	1/4	1,563.09	1/4	1,810.39	1/4	2,057.82	1/4	2,305.56
1/2	86.63	1/2	335.06	1/2	583.48	1/2	825.26	1/2	1,072.94	1/2	1,320.62	1/2	1,568.25	1/2	1,815.54	1/2	2,062.98	1/2	2,310.73
3/4	91.81	3/4	340.24	3/4	588.64	3/4	830.42	3/4	1,078.10	3/4	1,325.78	3/4	1,573.41	3/4	1,820.68	3/4	2,068.14	3/4	2,315.89
6	96.98	6	345.41	6	593.81	6	835.58	6	1,083.26	6	1,330.94	6	1,578.56	6	1,825.82	6	2,073.30	6	2,321.05
1/4	102.16	1/4	350.59	1/4	598.98	1/4	840.74	1/4	1,088.42	1/4	1,336.10	1/4	1,583.72	1/4	1,830.97	1/4	2,078.46	1/4	2,326.21
1/2	107.33	1/2	355.77	1/2	604.15	1/2	845.90	1/2	1,093.58	1/2	1,341.26	1/2	1,588.87	1/2	1,836.11	1/2	2,083.62	1/2	2,331.37
3/4	112.51	3/4	360.94	3/4	609.31	3/4	851.06	3/4	1,098.74	3/4	1,346.42	3/4	1,594.03	3/4	1,841.26	3/4	2,088.79	3/4	2,336.53
7	117.68	7	366.12	7	614.48	7	856.22	7	1,103.90	7	1,351.58	7	1,599.19	7	1,846.40	7	2,093.95	7	2,341.69
1/4	122.86	1/4	371.29	1/4	619.50	1/4	861.38	1/4	1,109.06	1/4	1,356.74	1/4	1,604.34	1/4	1,851.55	1/4	2,099.11	1/4	2,346.85
1/2	128.03	1/2	376.47	1/2	624.52	1/2	866.54	1/2	1,114.22	1/2	1,361.90	1/2	1,609.50	1/2	1,856.69	1/2	2,104.27	1/2	2,352.01
3/4	133.21	3/4	381.64	3/4	629.54	3/4	871.70	3/4	1,119.38	3/4	1,367.06	3/4	1,614.66	3/4	1,861.84	3/4	2,109.43	3/4	2,357.16
8	138.39	8	386.82	8	634.56	8	876.86	8	1,124.54	8	1,372.22	8	1,619.81	8	1,866.98	8	2,114.59	8	2,362.32
1/4	143.56	1/4	391.99	1/4	639.57	1/4	882.02	1/4	1,129.70	1/4	1,377.38	1/4	1,624.97	1/4	1,872.12	1/4	2,119.75	1/4	2,367.47
1/2	148.74	1/2	397.17	1/2	644.59	1/2	887.18	1/2	1,134.86	1/2	1,382.54	1/2	1,630.13	1/2	1,877.27	1/2	2,124.91	1/2	2,372.63
3/4	153.91	3/4	402.35	3/4	649.60	3/4	892.34	3/4	1,140.02	3/4	1,387.70	3/4	1,635.29	3/4	1,882.41	3/4	2,130.08	3/4	2,377.79
9	159.09	9	407.52	9	654.62	9	897.50	9	1,145.18	9	1,392.86	9	1,640.45	9	1,887.56	9	2,135.24	9	2,382.94
1/4	164.27	1/4	412.70	1/4	659.62	1/4	902.66	1/4	1,150.34	1/4	1,398.02	1/4	1,645.61	1/4	1,892.70	1/4	2,140.40	1/4	2,388.10
1/2	169.44	1/2	417.87	1/2	664.63	1/2	907.82	1/2	1,155.50	1/2	1,403.18	1/2	1,650.77	1/2	1,897.85	1/2	2,145.56	1/2	2,393.26
3/4	174.62	3/4	423.05	3/4	669.63	3/4	912.98	3/4	1,160.66	3/4	1,408.34	3/4	1,655.93	3/4	1,902.99	3/4	2,150.72	3/4	2,398.41
10	179.79	10	428.22	10	674.64	10	918.14	10	1,165.82	10	1,413.50	10	1,661.08	10	1,908.14	10	2,155.88	10	2,403.57
1/4	184.97	1/4	433.40	1/4	679.64	1/4	923.30	1/4	1,170.98	1/4	1,418.66	1/4	1,666.24	1/4	1,913.30	1/4	2,161.04	1/4	2,408.72
1/2	190.14	1/2	438.58	1/2	684.64	1/2	928.46	1/2	1,176.14	1/2	1,423.82	1/2	1,671.40	1/2	1,918.46	1/2	2,166.21	1/2	2,413.88
3/4	195.32	3/4	443.75	3/4	689.65	3/4	933.62	3/4	1,181.30	3/4	1,428.98	3/4	1,676.56	3/4	1,923.62	3/4	2,171.37	3/4	2,419.04
11	200.50	11	448.93	11	694.65	11	938.78	11	1,186.46	11	1,434.14	11	1,681.72	11	1,928.78	11	2,176.53	11	2,424.19
1/4	205.67	1/4	454.10	1/4	699.66	1/4	943.94	1/4	1,191.62	1/4	1,439.30	1/4	1,686.88	1/4	1,933.94	1/4	2,181.69	1/4	2,429.35
1/2	210.85	1/2	459.28	1/2	704.66	1/2	949.10	1/2	1,196.78	1/2	1,444.46	1/2	1,692.04	1/2	1,939.10	1/2	2,186.85	1/2	2,434.51
3/4	216.02	3/4	464.45	3/4	709.66	3/4	954.26	3/4	1,201.94	3/4	1,449.62	3/4	1,697.20	3/4	1,944.27	3/4	2,192.01	3/4	2,439.66

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 AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "FMT 1422"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,444.82	0	2,673.57	0	2,884.92	0	3,096.28	0	3,307.63	0		0		0		0		0	
1/4	2,449.97	1/4	2,677.97	1/4	2,889.33	1/4	3,100.68	1/4	3,312.03	1/4		1/4		1/4		1/4		1/4	
1/2	2,455.13	1/2	2,682.38	1/2	2,893.73	1/2	3,105.08	1/2	3,316.44	1/2		1/2		1/2		1/2		1/2	
3/4	2,460.29	3/4	2,686.78	3/4	2,898.13	3/4	3,109.49	3/4	3,320.84	3/4		3/4		3/4		3/4		3/4	
1	2,465.44	1	2,691.18	1	2,902.54	1	3,113.89	1	3,325.24	1		1		1		1		1	
1/4	2,470.60	1/4	2,695.59	1/4	2,906.94	1/4	3,118.29	1/4	3,329.65	1/4		1/4		1/4		1/4		1/4	
1/2	2,475.75	1/2	2,699.99	1/2	2,911.34	1/2	3,122.70	1/2	3,334.05	1/2		1/2		1/2		1/2		1/2	
3/4	2,480.91	3/4	2,704.39	3/4	2,915.75	3/4	3,127.10	3/4	3,338.45	3/4		3/4		3/4		3/4		3/4	
2	2,486.07	2	2,708.80	2	2,920.15	2	3,131.50	2	3,342.86	2		2		2		2		2	
1/4	2,491.22	1/4	2,713.20	1/4	2,924.55	1/4	3,135.91	1/4	3,347.26	1/4		1/4		1/4		1/4		1/4	
1/2	2,496.38	1/2	2,717.60	1/2	2,928.96	1/2	3,140.31	1/2	3,351.67	1/2		1/2		1/2		1/2		1/2	
3/4	2,501.54	3/4	2,722.00	3/4	2,933.36	3/4	3,144.71	3/4	3,356.07	3/4		3/4		3/4		3/4		3/4	
3	2,506.69	3	2,726.41	3	2,937.76	3	3,149.12	3	3,360.48	3		3		3		3		3	
1/4	2,511.85	1/4	2,730.81	1/4	2,942.16	1/4	3,153.52	1/4	3,364.87	1/4		1/4		1/4		1/4		1/4	
1/2	2,517.00	1/2	2,735.21	1/2	2,946.57	1/2	3,157.92	1/2	3,369.26	1/2		1/2		1/2		1/2		1/2	
3/4	2,522.16	3/4	2,739.62	3/4	2,950.97	3/4	3,162.32	3/4	3,373.65	3/4		3/4		3/4		3/4		3/4	
4	2,527.32	4	2,744.02	4	2,955.37	4	3,166.73	4	3,378.04	4		4		4		4		4	
1/4	2,532.46	1/4	2,748.42	1/4	2,959.78	1/4	3,171.13	1/4	3,382.40	1/4		1/4		1/4		1/4		1/4	
1/2	2,537.60	1/2	2,752.83	1/2	2,964.18	1/2	3,175.53	1/2	3,386.76	1/2		1/2		1/2		1/2		1/2	
3/4	2,542.74	3/4	2,757.23	3/4	2,968.58	3/4	3,179.94	3/4	3,391.12	3/4		3/4		3/4		3/4		3/4	
5	2,547.88	5	2,761.63	5	2,972.99	5	3,184.34	5	3,395.48	5		5		5		5		5	
1/4	2,553.02	1/4	2,766.04	1/4	2,977.39	1/4	3,188.74	1/4	3,399.79	1/4		1/4		1/4		1/4		1/4	
1/2	2,558.16	1/2	2,770.44	1/2	2,981.79	1/2	3,193.15	1/2	3,404.10	1/2		1/2		1/2		1/2		1/2	
3/4	2,563.30	3/4	2,774.84	3/4	2,986.20	3/4	3,197.55	3/4	3,408.41	3/4		3/4		3/4		3/4		3/4	
6	2,568.44	6	2,779.25	6	2,990.60	6	3,201.95	6	3,412.72	6		6		6		6		6	
1/4	2,572.81	1/4	2,783.65	1/4	2,995.00	1/4	3,206.36	1/4	3,415.31	1/4		1/4		1/4		1/4		1/4	
1/2	2,577.18	1/2	2,788.05	1/2	2,999.41	1/2	3,210.76	1/2	3,417.89	1/2		1/2		1/2		1/2		1/2	
3/4	2,581.55	3/4	2,792.46	3/4	3,003.81	3/4	3,215.16	3/4	3,420.48	3/4		3/4		3/4		3/4		3/4	
7	2,585.92	7	2,796.86	7	3,008.21	7	3,219.57	7	3,423.07	7		7		7		7		7	
1/4	2,590.29	1/4	2,801.26	1/4	3,012.62	1/4	3,223.97	1/4	3,423.93	1/4		1/4		1/4		1/4		1/4	
1/2	2,594.66	1/2	2,805.67	1/2	3,017.02	1/2	3,228.37	1/2	3,424.79	1/2		1/2		1/2		1/2		1/2	
3/4	2,599.02	3/4	2,810.07	3/4	3,021.42	3/4	3,232.78	3/4	3,425.65	3/4		3/4		3/4		3/4		3/4	
8	2,603.39	8	2,814.47	8	3,025.83	8	3,237.18	8	3,426.51	8		8		8		8		8	
1/4	2,607.76	1/4	2,818.88	1/4	3,030.23	1/4	3,241.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,612.13	1/2	2,823.28	1/2	3,034.63	1/2	3,245.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,616.50	3/4	2,827.68	3/4	3,039.04	3/4	3,250.39	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,620.87	9	2,832.08	9	3,043.44	9	3,254.79	9		9		9		9		9		9	
1/4	2,625.24	1/4	2,836.49	1/4	3,047.84	1/4	3,259.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,629.61	1/2	2,840.89	1/2	3,052.24	1/2	3,263.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,633.98	3/4	2,845.29	3/4	3,056.65	3/4	3,268.00	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,638.34	10	2,849.70	10	3,061.05	10	3,272.40	10		10		10		10		10		10	
1/4	2,642.75	1/4	2,854.10	1/4	3,065.45	1/4	3,276.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,647.15	1/2	2,858.50	1/2	3,069.86	1/2	3,281.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,651.55	3/4	2,862.91	3/4	3,074.26	3/4	3,285.61	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,655.96	11	2,867.31	11	3,078.66	11	3,290.02	11		11		11		11		11		11	
1/4	2,660.36	1/4	2,871.71	1/4	3,083.07	1/4	3,294.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,664.76	1/2	2,876.12	1/2	3,087.47	1/2	3,298.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,669.17	3/4	2,880.52	3/4	3,091.87	3/4	3,303.23	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2019 CL  
CALCULATED: 12/11/2019 CL  
PRINTED: 12/11/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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



# BARGE "FMT 1422"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.73	0	241.58	0	517.16	0	789.31	0	1,061.46	0	1,337.04	0	1,612.63	0	1,888.22	0	2,163.81	0	2,439.39
1/4	1.69	1/4	247.32	1/4	522.90	1/4	794.88	1/4	1,067.20	1/4	1,342.78	1/4	1,618.37	1/4	1,893.96	1/4	2,169.55	1/4	2,445.13
1/2	2.64	1/2	253.06	1/2	528.64	1/2	800.44	1/2	1,072.94	1/2	1,348.53	1/2	1,624.11	1/2	1,899.70	1/2	2,175.29	1/2	2,450.88
3/4	3.60	3/4	258.80	3/4	534.38	3/4	806.01	3/4	1,078.68	3/4	1,354.27	3/4	1,629.85	3/4	1,905.44	3/4	2,181.03	3/4	2,456.62
1	4.56	1	264.55	1	540.12	1	811.58	1	1,084.42	1	1,360.01	1	1,635.60	1	1,911.18	1	2,186.77	1	2,462.36
1/4	7.43	1/4	270.29	1/4	545.86	1/4	817.15	1/4	1,090.16	1/4	1,365.75	1/4	1,641.34	1/4	1,916.92	1/4	2,192.51	1/4	2,468.10
1/2	10.29	1/2	276.03	1/2	551.61	1/2	822.72	1/2	1,095.90	1/2	1,371.49	1/2	1,647.08	1/2	1,922.67	1/2	2,198.25	1/2	2,473.84
3/4	13.16	3/4	281.77	3/4	557.35	3/4	828.29	3/4	1,101.65	3/4	1,377.23	3/4	1,652.82	3/4	1,928.41	3/4	2,203.99	3/4	2,479.58
2	16.03	2	287.51	2	563.09	2	833.86	2	1,107.39	2	1,382.97	2	1,658.56	2	1,934.15	2	2,209.74	2	2,485.32
1/4	20.82	1/4	293.25	1/4	568.83	1/4	839.42	1/4	1,113.13	1/4	1,388.72	1/4	1,664.30	1/4	1,939.89	1/4	2,215.48	1/4	2,491.06
1/2	25.60	1/2	298.99	1/2	574.57	1/2	844.99	1/2	1,118.87	1/2	1,394.46	1/2	1,670.04	1/2	1,945.63	1/2	2,221.22	1/2	2,496.81
3/4	30.38	3/4	304.73	3/4	580.31	3/4	850.56	3/4	1,124.61	3/4	1,400.20	3/4	1,675.79	3/4	1,951.37	3/4	2,226.96	3/4	2,502.55
3	35.16	3	310.48	3	586.05	3	856.13	3	1,130.35	3	1,405.94	3	1,681.53	3	1,957.11	3	2,232.70	3	2,508.29
1/4	40.85	1/4	316.22	1/4	591.79	1/4	861.70	1/4	1,136.09	1/4	1,411.68	1/4	1,687.27	1/4	1,962.86	1/4	2,238.44	1/4	2,514.03
1/2	46.54	1/2	321.96	1/2	597.54	1/2	867.27	1/2	1,141.84	1/2	1,417.42	1/2	1,693.01	1/2	1,968.60	1/2	2,244.18	1/2	2,519.77
3/4	52.24	3/4	327.70	3/4	603.28	3/4	872.84	3/4	1,147.58	3/4	1,423.16	3/4	1,698.75	3/4	1,974.34	3/4	2,249.93	3/4	2,525.51
4	57.93	4	333.44	4	609.02	4	878.40	4	1,153.32	4	1,428.91	4	1,704.49	4	1,980.08	4	2,255.67	4	2,531.25
1/4	63.65	1/4	339.18	1/4	614.76	1/4	883.98	1/4	1,159.06	1/4	1,434.65	1/4	1,710.23	1/4	1,985.82	1/4	2,261.41	1/4	2,537.00
1/2	69.38	1/2	344.92	1/2	620.50	1/2	889.55	1/2	1,164.80	1/2	1,440.39	1/2	1,715.98	1/2	1,991.56	1/2	2,267.15	1/2	2,542.74
3/4	75.11	3/4	350.66	3/4	626.24	3/4	895.12	3/4	1,170.54	3/4	1,446.13	3/4	1,721.72	3/4	1,997.30	3/4	2,272.89	3/4	2,548.48
5	80.83	5	356.41	5	631.98	5	900.70	5	1,176.28	5	1,451.87	5	1,727.46	5	2,003.05	5	2,278.63	5	2,554.22
1/4	86.57	1/4	362.15	1/4	637.72	1/4	906.44	1/4	1,182.03	1/4	1,457.61	1/4	1,733.20	1/4	2,008.79	1/4	2,284.37	1/4	2,559.96
1/2	92.31	1/2	367.89	1/2	643.47	1/2	912.18	1/2	1,187.77	1/2	1,463.35	1/2	1,738.94	1/2	2,014.53	1/2	2,290.12	1/2	2,565.70
3/4	98.05	3/4	373.63	3/4	649.21	3/4	917.92	3/4	1,193.51	3/4	1,469.10	3/4	1,744.68	3/4	2,020.27	3/4	2,295.86	3/4	2,571.44
6	103.79	6	379.37	6	654.95	6	923.66	6	1,199.25	6	1,474.84	6	1,750.42	6	2,026.01	6	2,301.60	6	2,577.19
1/4	109.53	1/4	385.11	1/4	660.69	1/4	929.40	1/4	1,204.99	1/4	1,480.58	1/4	1,756.17	1/4	2,031.75	1/4	2,307.34	1/4	2,582.93
1/2	115.27	1/2	390.85	1/2	666.43	1/2	935.15	1/2	1,210.73	1/2	1,486.32	1/2	1,761.91	1/2	2,037.49	1/2	2,313.08	1/2	2,588.67
3/4	121.02	3/4	396.59	3/4	672.17	3/4	940.89	3/4	1,216.47	3/4	1,492.06	3/4	1,767.65	3/4	2,043.24	3/4	2,318.82	3/4	2,594.41
7	126.76	7	402.33	7	677.91	7	946.63	7	1,222.22	7	1,497.80	7	1,773.39	7	2,048.98	7	2,324.56	7	2,600.15
1/4	132.50	1/4	408.08	1/4	683.49	1/4	952.37	1/4	1,227.96	1/4	1,503.54	1/4	1,779.13	1/4	2,054.72	1/4	2,330.31	1/4	2,605.89
1/2	138.24	1/2	413.82	1/2	689.06	1/2	958.11	1/2	1,233.70	1/2	1,509.29	1/2	1,784.87	1/2	2,060.46	1/2	2,336.05	1/2	2,611.63
3/4	143.98	3/4	419.56	3/4	694.64	3/4	963.85	3/4	1,239.44	3/4	1,515.03	3/4	1,790.61	3/4	2,066.20	3/4	2,341.79	3/4	2,617.38
8	149.72	8	425.30	8	700.21	8	969.59	8	1,245.18	8	1,520.77	8	1,796.36	8	2,071.94	8	2,347.53	8	2,623.12
1/4	155.46	1/4	431.04	1/4	705.78	1/4	975.34	1/4	1,250.92	1/4	1,526.51	1/4	1,802.10	1/4	2,077.68	1/4	2,353.27	1/4	2,628.86
1/2	161.20	1/2	436.78	1/2	711.35	1/2	981.08	1/2	1,256.66	1/2	1,532.25	1/2	1,807.84	1/2	2,083.43	1/2	2,359.01	1/2	2,634.60
3/4	166.95	3/4	442.52	3/4	716.92	3/4	986.82	3/4	1,262.41	3/4	1,537.99	3/4	1,813.58	3/4	2,089.17	3/4	2,364.75	3/4	2,640.34
9	172.69	9	448.26	9	722.48	9	992.56	9	1,268.15	9	1,543.73	9	1,819.32	9	2,094.91	9	2,370.50	9	2,646.08
1/4	178.43	1/4	454.01	1/4	728.05	1/4	998.30	1/4	1,273.89	1/4	1,549.48	1/4	1,825.06	1/4	2,100.65	1/4	2,376.24	1/4	2,651.82
1/2	184.17	1/2	459.75	1/2	733.62	1/2	1,004.04	1/2	1,279.63	1/2	1,555.22	1/2	1,830.80	1/2	2,106.39	1/2	2,381.98	1/2	2,657.57
3/4	189.91	3/4	465.49	3/4	739.19	3/4	1,009.78	3/4	1,285.37	3/4	1,560.96	3/4	1,836.55	3/4	2,112.13	3/4	2,387.72	3/4	2,663.31
10	195.65	10	471.23	10	744.76	10	1,015.53	10	1,291.11	10	1,566.70	10	1,842.29	10	2,117.87	10	2,393.46	10	2,669.05
1/4	201.39	1/4	476.97	1/4	750.33	1/4	1,021.27	1/4	1,296.85	1/4	1,572.44	1/4	1,848.03	1/4	2,123.62	1/4	2,399.20	1/4	2,674.79
1/2	207.13	1/2	482.71	1/2	755.90	1/2	1,027.01	1/2	1,302.60	1/2	1,578.18	1/2	1,853.77	1/2	2,129.36	1/2	2,404.94	1/2	2,680.53
3/4	212.88	3/4	488.45	3/4	761.46	3/4	1,032.75	3/4	1,308.34	3/4	1,583.92	3/4	1,859.51	3/4	2,135.10	3/4	2,410.69	3/4	2,686.27
11	218.62	11	494.19	11	767.03	11	1,038.49	11	1,314.08	11	1,589.67	11	1,865.25	11	2,140.84	11	2,416.43	11	2,692.01
1/4	224.36	1/4	499.94	1/4	772.60	1/4	1,044.23	1/4	1,319.82	1/4	1,595.41	1/4	1,870.99	1/4	2,146.58	1/4	2,422.17	1/4	2,697.76
1/2	230.10	1/2	505.68	1/2	778.17	1/2	1,049.97	1/2	1,325.56	1/2	1,601.15	1/2	1,876.74	1/2	2,152.32	1/2	2,427.91	1/2	2,703.50
3/4	235.84	3/4	511.42	3/4	783.74	3/4	1,055.71	3/4	1,331.30	3/4	1,606.89	3/4	1,882.48	3/4	2,158.06	3/4	2,433.65	3/4	2,709.24

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 AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "FMT 1422"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,714.98	0	2,990.57	0	3,266.15	0	3,541.74	0	3,817.33	0		0		0		0		0	
1/4	2,720.72	1/4	2,996.31	1/4	3,271.90	1/4	3,547.48	1/4	3,823.07	1/4		1/4		1/4		1/4		1/4	
1/2	2,726.46	1/2	3,002.05	1/2	3,277.64	1/2	3,553.22	1/2	3,828.81	1/2		1/2		1/2		1/2		1/2	
3/4	2,732.20	3/4	3,007.79	3/4	3,283.38	3/4	3,558.97	3/4	3,834.55	3/4		3/4		3/4		3/4		3/4	
1	2,737.95	1	3,013.53	1	3,289.12	1	3,564.71	1	3,840.29	1		1		1		1		1	
1/4	2,743.69	1/4	3,019.27	1/4	3,294.86	1/4	3,570.45	1/4	3,846.04	1/4		1/4		1/4		1/4		1/4	
1/2	2,749.43	1/2	3,025.02	1/2	3,300.60	1/2	3,576.19	1/2	3,851.78	1/2		1/2		1/2		1/2		1/2	
3/4	2,755.17	3/4	3,030.76	3/4	3,306.34	3/4	3,581.93	3/4	3,857.52	3/4		3/4		3/4		3/4		3/4	
2	2,760.91	2	3,036.50	2	3,312.09	2	3,587.67	2	3,863.26	2		2		2		2		2	
1/4	2,766.65	1/4	3,042.24	1/4	3,317.83	1/4	3,593.41	1/4	3,869.00	1/4		1/4		1/4		1/4		1/4	
1/2	2,772.39	1/2	3,047.98	1/2	3,323.57	1/2	3,599.16	1/2	3,874.75	1/2		1/2		1/2		1/2		1/2	
3/4	2,778.13	3/4	3,053.72	3/4	3,329.31	3/4	3,604.90	3/4	3,880.49	3/4		3/4		3/4		3/4		3/4	
3	2,783.88	3	3,059.46	3	3,335.05	3	3,610.64	3	3,886.24	3		3		3		3		3	
1/4	2,789.62	1/4	3,065.20	1/4	3,340.79	1/4	3,616.38	1/4	3,891.97	1/4		1/4		1/4		1/4		1/4	
1/2	2,795.36	1/2	3,070.95	1/2	3,346.53	1/2	3,622.12	1/2	3,897.69	1/2		1/2		1/2		1/2		1/2	
3/4	2,801.10	3/4	3,076.69	3/4	3,352.27	3/4	3,627.86	3/4	3,903.42	3/4		3/4		3/4		3/4		3/4	
4	2,806.84	4	3,082.43	4	3,358.02	4	3,633.60	4	3,909.15	4		4		4		4		4	
1/4	2,812.58	1/4	3,088.17	1/4	3,363.76	1/4	3,639.34	1/4	3,914.84	1/4		1/4		1/4		1/4		1/4	
1/2	2,818.32	1/2	3,093.91	1/2	3,369.50	1/2	3,645.09	1/2	3,920.53	1/2		1/2		1/2		1/2		1/2	
3/4	2,824.07	3/4	3,099.65	3/4	3,375.24	3/4	3,650.83	3/4	3,926.22	3/4		3/4		3/4		3/4		3/4	
5	2,829.81	5	3,105.39	5	3,380.98	5	3,656.57	5	3,931.91	5		5		5		5		5	
1/4	2,835.55	1/4	3,111.14	1/4	3,386.72	1/4	3,662.31	1/4	3,936.70	1/4		1/4		1/4		1/4		1/4	
1/2	2,841.29	1/2	3,116.88	1/2	3,392.46	1/2	3,668.05	1/2	3,941.48	1/2		1/2		1/2		1/2		1/2	
3/4	2,847.03	3/4	3,122.62	3/4	3,398.21	3/4	3,673.79	3/4	3,946.26	3/4		3/4		3/4		3/4		3/4	
6	2,852.77	6	3,128.36	6	3,403.95	6	3,679.53	6	3,951.04	6		6		6		6		6	
1/4	2,858.51	1/4	3,134.10	1/4	3,409.69	1/4	3,685.28	1/4	3,953.91	1/4		1/4		1/4		1/4		1/4	
1/2	2,864.26	1/2	3,139.84	1/2	3,415.43	1/2	3,691.02	1/2	3,956.78	1/2		1/2		1/2		1/2		1/2	
3/4	2,870.00	3/4	3,145.58	3/4	3,421.17	3/4	3,696.76	3/4	3,959.65	3/4		3/4		3/4		3/4		3/4	
7	2,875.74	7	3,151.33	7	3,426.91	7	3,702.50	7	3,962.52	7		7		7		7		7	
1/4	2,881.48	1/4	3,157.07	1/4	3,432.65	1/4	3,708.24	1/4	3,963.48	1/4		1/4		1/4		1/4		1/4	
1/2	2,887.22	1/2	3,162.81	1/2	3,438.40	1/2	3,713.98	1/2	3,964.43	1/2		1/2		1/2		1/2		1/2	
3/4	2,892.96	3/4	3,168.55	3/4	3,444.14	3/4	3,719.72	3/4	3,965.39	3/4		3/4		3/4		3/4		3/4	
8	2,898.70	8	3,174.29	8	3,449.88	8	3,725.47	8	3,966.34	8		8		8		8		8	
1/4	2,904.45	1/4	3,180.03	1/4	3,455.62	1/4	3,731.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,910.19	1/2	3,185.77	1/2	3,461.36	1/2	3,736.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,915.93	3/4	3,191.52	3/4	3,467.10	3/4	3,742.69	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,921.67	9	3,197.26	9	3,472.84	9	3,748.43	9		9		9		9		9		9	
1/4	2,927.41	1/4	3,203.00	1/4	3,478.59	1/4	3,754.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,933.15	1/2	3,208.74	1/2	3,484.33	1/2	3,759.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,938.89	3/4	3,214.48	3/4	3,490.07	3/4	3,765.66	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,944.64	10	3,220.22	10	3,495.81	10	3,771.40	10		10		10		10		10		10	
1/4	2,950.38	1/4	3,225.96	1/4	3,501.55	1/4	3,777.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,956.12	1/2	3,231.71	1/2	3,507.29	1/2	3,782.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,961.86	3/4	3,237.45	3/4	3,513.03	3/4	3,788.62	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,967.60	11	3,243.19	11	3,518.78	11	3,794.36	11		11		11		11		11		11	
1/4	2,973.34	1/4	3,248.93	1/4	3,524.52	1/4	3,800.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,979.08	1/2	3,254.67	1/2	3,530.26	1/2	3,805.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,984.83	3/4	3,260.41	3/4	3,536.00	3/4	3,811.59	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2019 CL  
CALCULATED: 12/11/2019 CL  
PRINTED: 12/11/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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



# BARGE "FMT 1422"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.73	0	216.20	0	462.74	0	709.03	0	955.33	0	1,201.88	0	1,448.43	0	1,694.97	0	1,941.52	0	2,188.07
1/4	1.59	1/4	221.34	1/4	467.87	1/4	714.15	1/4	960.47	1/4	1,207.01	1/4	1,453.56	1/4	1,700.11	1/4	1,946.66	1/4	2,193.20
1/2	2.44	1/2	226.47	1/2	473.01	1/2	719.28	1/2	965.60	1/2	1,212.15	1/2	1,458.70	1/2	1,705.25	1/2	1,951.79	1/2	2,198.34
3/4	3.30	3/4	231.61	3/4	478.15	3/4	724.40	3/4	970.74	3/4	1,217.29	3/4	1,463.83	3/4	1,710.38	3/4	1,956.93	3/4	2,203.48
1	4.15	1	236.74	1	483.28	1	729.52	1	975.88	1	1,222.42	1	1,468.97	1	1,715.52	1	1,962.07	1	2,208.61
1/4	6.72	1/4	241.88	1/4	488.42	1/4	734.65	1/4	981.01	1/4	1,227.56	1/4	1,474.11	1/4	1,720.65	1/4	1,967.20	1/4	2,213.75
1/2	9.29	1/2	247.02	1/2	493.55	1/2	739.77	1/2	986.15	1/2	1,232.70	1/2	1,479.24	1/2	1,725.79	1/2	1,972.34	1/2	2,218.89
3/4	11.85	3/4	252.15	3/4	498.69	3/4	744.89	3/4	991.29	3/4	1,237.83	3/4	1,484.38	3/4	1,730.93	3/4	1,977.47	3/4	2,224.02
2	14.42	2	257.29	2	503.83	2	750.02	2	996.42	2	1,242.97	2	1,489.52	2	1,736.06	2	1,982.61	2	2,229.16
1/4	18.70	1/4	262.43	1/4	508.96	1/4	755.14	1/4	1,001.56	1/4	1,248.11	1/4	1,494.65	1/4	1,741.20	1/4	1,987.75	1/4	2,234.29
1/2	22.98	1/2	267.56	1/2	514.10	1/2	760.26	1/2	1,006.70	1/2	1,253.24	1/2	1,499.79	1/2	1,746.34	1/2	1,992.88	1/2	2,239.43
3/4	27.25	3/4	272.70	3/4	519.24	3/4	765.38	3/4	1,011.83	3/4	1,258.38	3/4	1,504.93	3/4	1,751.47	3/4	1,998.02	3/4	2,244.57
3	31.53	3	277.83	3	524.37	3	770.51	3	1,016.97	3	1,263.52	3	1,510.06	3	1,756.61	3	2,003.16	3	2,249.70
1/4	36.62	1/4	282.97	1/4	529.51	1/4	775.63	1/4	1,022.10	1/4	1,268.65	1/4	1,515.20	1/4	1,761.75	1/4	2,008.29	1/4	2,254.84
1/2	41.72	1/2	288.11	1/2	534.64	1/2	780.75	1/2	1,027.24	1/2	1,273.79	1/2	1,520.34	1/2	1,766.88	1/2	2,013.43	1/2	2,259.98
3/4	46.81	3/4	293.24	3/4	539.78	3/4	785.88	3/4	1,032.38	3/4	1,278.92	3/4	1,525.47	3/4	1,772.02	3/4	2,018.57	3/4	2,265.11
4	51.90	4	298.38	4	544.92	4	791.00	4	1,037.51	4	1,284.06	4	1,530.61	4	1,777.16	4	2,023.70	4	2,270.25
1/4	57.02	1/4	303.51	1/4	550.05	1/4	796.13	1/4	1,042.65	1/4	1,289.20	1/4	1,535.74	1/4	1,782.29	1/4	2,028.84	1/4	2,275.39
1/2	62.15	1/2	308.65	1/2	555.19	1/2	801.26	1/2	1,047.79	1/2	1,294.33	1/2	1,540.88	1/2	1,787.43	1/2	2,033.98	1/2	2,280.52
3/4	67.27	3/4	313.79	3/4	560.32	3/4	806.38	3/4	1,052.92	3/4	1,299.47	3/4	1,546.02	3/4	1,792.56	3/4	2,039.11	3/4	2,285.66
5	72.39	5	318.92	5	565.46	5	811.51	5	1,058.06	5	1,304.61	5	1,551.15	5	1,797.70	5	2,044.25	5	2,290.80
1/4	77.53	1/4	324.06	1/4	570.60	1/4	816.65	1/4	1,063.20	1/4	1,309.74	1/4	1,556.29	1/4	1,802.84	1/4	2,049.38	1/4	2,295.93
1/2	82.66	1/2	329.20	1/2	575.73	1/2	821.78	1/2	1,068.33	1/2	1,314.88	1/2	1,561.43	1/2	1,807.97	1/2	2,054.52	1/2	2,301.07
3/4	87.80	3/4	334.33	3/4	580.87	3/4	826.92	3/4	1,073.47	3/4	1,320.02	3/4	1,566.56	3/4	1,813.11	3/4	2,059.66	3/4	2,306.20
6	92.93	6	339.47	6	586.01	6	832.06	6	1,078.60	6	1,325.15	6	1,571.70	6	1,818.25	6	2,064.79	6	2,311.34
1/4	98.07	1/4	344.60	1/4	591.14	1/4	837.19	1/4	1,083.74	1/4	1,330.29	1/4	1,576.84	1/4	1,823.38	1/4	2,069.93	1/4	2,316.48
1/2	103.20	1/2	349.74	1/2	596.28	1/2	842.33	1/2	1,088.88	1/2	1,335.42	1/2	1,581.97	1/2	1,828.52	1/2	2,075.07	1/2	2,321.61
3/4	108.34	3/4	354.88	3/4	601.41	3/4	847.47	3/4	1,094.01	3/4	1,340.56	3/4	1,587.11	3/4	1,833.66	3/4	2,080.20	3/4	2,326.75
7	113.48	7	360.01	7	606.55	7	852.60	7	1,099.15	7	1,345.70	7	1,592.24	7	1,838.79	7	2,085.34	7	2,331.89
1/4	118.61	1/4	365.15	1/4	611.68	1/4	857.74	1/4	1,104.29	1/4	1,350.83	1/4	1,597.38	1/4	1,843.93	1/4	2,090.48	1/4	2,337.02
1/2	123.75	1/2	370.29	1/2	616.81	1/2	862.88	1/2	1,109.42	1/2	1,355.97	1/2	1,602.52	1/2	1,849.06	1/2	2,095.61	1/2	2,342.16
3/4	128.88	3/4	375.42	3/4	621.93	3/4	868.01	3/4	1,114.56	3/4	1,361.11	3/4	1,607.65	3/4	1,854.20	3/4	2,100.75	3/4	2,347.30
8	134.02	8	380.56	8	627.06	8	873.15	8	1,119.70	8	1,366.24	8	1,612.79	8	1,859.34	8	2,105.88	8	2,352.43
1/4	139.16	1/4	385.69	1/4	632.18	1/4	878.29	1/4	1,124.83	1/4	1,371.38	1/4	1,617.93	1/4	1,864.47	1/4	2,111.02	1/4	2,357.57
1/2	144.29	1/2	390.83	1/2	637.31	1/2	883.42	1/2	1,129.97	1/2	1,376.52	1/2	1,623.06	1/2	1,869.61	1/2	2,116.16	1/2	2,362.70
3/4	149.43	3/4	395.97	3/4	642.43	3/4	888.56	3/4	1,135.11	3/4	1,381.65	3/4	1,628.20	3/4	1,874.75	3/4	2,121.29	3/4	2,367.84
9	154.57	9	401.10	9	647.55	9	893.69	9	1,140.24	9	1,386.79	9	1,633.34	9	1,879.88	9	2,126.43	9	2,372.98
1/4	159.70	1/4	406.24	1/4	652.68	1/4	898.83	1/4	1,145.38	1/4	1,391.93	1/4	1,638.47	1/4	1,885.02	1/4	2,131.57	1/4	2,378.11
1/2	164.84	1/2	411.37	1/2	657.80	1/2	903.97	1/2	1,150.51	1/2	1,397.06	1/2	1,643.61	1/2	1,890.16	1/2	2,136.70	1/2	2,383.25
3/4	169.97	3/4	416.51	3/4	662.92	3/4	909.10	3/4	1,155.65	3/4	1,402.20	3/4	1,648.75	3/4	1,895.29	3/4	2,141.84	3/4	2,388.39
10	175.11	10	421.65	10	668.05	10	914.24	10	1,160.79	10	1,407.33	10	1,653.88	10	1,900.43	10	2,146.98	10	2,393.52
1/4	180.25	1/4	426.78	1/4	673.17	1/4	919.38	1/4	1,165.92	1/4	1,412.47	1/4	1,659.02	1/4	1,905.57	1/4	2,152.11	1/4	2,398.66
1/2	185.38	1/2	431.92	1/2	678.29	1/2	924.51	1/2	1,171.06	1/2	1,417.61	1/2	1,664.15	1/2	1,910.70	1/2	2,157.25	1/2	2,403.80
3/4	190.52	3/4	437.06	3/4	683.42	3/4	929.65	3/4	1,176.20	3/4	1,422.74	3/4	1,669.29	3/4	1,915.84	3/4	2,162.39	3/4	2,408.93
11	195.65	11	442.19	11	688.54	11	934.79	11	1,181.33	11	1,427.88	11	1,674.43	11	1,920.97	11	2,167.52	11	2,414.07
1/4	200.79	1/4	447.33	1/4	693.66	1/4	939.92	1/4	1,186.47	1/4	1,433.02	1/4	1,679.56	1/4	1,926.11	1/4	2,172.66	1/4	2,419.21
1/2	205.93	1/2	452.46	1/2	698.78	1/2	945.06	1/2	1,191.61	1/2	1,438.15	1/2	1,684.70	1/2	1,931.25	1/2	2,177.79	1/2	2,424.34
3/4	211.06	3/4	457.60	3/4	703.91	3/4	950.19	3/4	1,196.74	3/4	1,443.29	3/4	1,689.84	3/4	1,936.38	3/4	2,182.93	3/4	2,429.48

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 AT GAUGE POINT.

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

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "FMT 1422"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,434.61	0	2,681.16	0	2,927.71	0	3,174.26	0	3,420.80	0		0		0		0		0	
1/4	2,439.75	1/4	2,686.30	1/4	2,932.84	1/4	3,179.39	1/4	3,425.94	1/4		1/4		1/4		1/4		1/4	
1/2	2,444.89	1/2	2,691.43	1/2	2,937.98	1/2	3,184.53	1/2	3,431.08	1/2		1/2		1/2		1/2		1/2	
3/4	2,450.02	3/4	2,696.57	3/4	2,943.12	3/4	3,189.66	3/4	3,436.21	3/4		3/4		3/4		3/4		3/4	
1	2,455.16	1	2,701.71	1	2,948.25	1	3,194.80	1	3,441.35	1		1		1		1		1	
1/4	2,460.30	1/4	2,706.84	1/4	2,953.39	1/4	3,199.94	1/4	3,446.48	1/4		1/4		1/4		1/4		1/4	
1/2	2,465.43	1/2	2,711.98	1/2	2,958.53	1/2	3,205.07	1/2	3,451.62	1/2		1/2		1/2		1/2		1/2	
3/4	2,470.57	3/4	2,717.12	3/4	2,963.66	3/4	3,210.21	3/4	3,456.76	3/4		3/4		3/4		3/4		3/4	
2	2,475.71	2	2,722.25	2	2,968.80	2	3,215.35	2	3,461.89	2		2		2		2		2	
1/4	2,480.84	1/4	2,727.39	1/4	2,973.94	1/4	3,220.48	1/4	3,467.03	1/4		1/4		1/4		1/4		1/4	
1/2	2,485.98	1/2	2,732.53	1/2	2,979.07	1/2	3,225.62	1/2	3,472.16	1/2		1/2		1/2		1/2		1/2	
3/4	2,491.11	3/4	2,737.66	3/4	2,984.21	3/4	3,230.76	3/4	3,477.30	3/4		3/4		3/4		3/4		3/4	
3	2,496.25	3	2,742.80	3	2,989.35	3	3,235.89	3	3,482.43	3		3		3		3		3	
1/4	2,501.39	1/4	2,747.93	1/4	2,994.48	1/4	3,241.03	1/4	3,487.56	1/4		1/4		1/4		1/4		1/4	
1/2	2,506.52	1/2	2,753.07	1/2	2,999.62	1/2	3,246.17	1/2	3,492.68	1/2		1/2		1/2		1/2		1/2	
3/4	2,511.66	3/4	2,758.21	3/4	3,004.75	3/4	3,251.30	3/4	3,497.80	3/4		3/4		3/4		3/4		3/4	
4	2,516.80	4	2,763.34	4	3,009.89	4	3,256.44	4	3,502.93	4		4		4		4		4	
1/4	2,521.93	1/4	2,768.48	1/4	3,015.03	1/4	3,261.57	1/4	3,508.02	1/4		1/4		1/4		1/4		1/4	
1/2	2,527.07	1/2	2,773.62	1/2	3,020.16	1/2	3,266.71	1/2	3,513.11	1/2		1/2		1/2		1/2		1/2	
3/4	2,532.21	3/4	2,778.75	3/4	3,025.30	3/4	3,271.85	3/4	3,518.20	3/4		3/4		3/4		3/4		3/4	
5	2,537.34	5	2,783.89	5	3,030.44	5	3,276.98	5	3,523.29	5		5		5		5		5	
1/4	2,542.48	1/4	2,789.03	1/4	3,035.57	1/4	3,282.12	1/4	3,527.57	1/4		1/4		1/4		1/4		1/4	
1/2	2,547.62	1/2	2,794.16	1/2	3,040.71	1/2	3,287.26	1/2	3,531.85	1/2		1/2		1/2		1/2		1/2	
3/4	2,552.75	3/4	2,799.30	3/4	3,045.85	3/4	3,292.39	3/4	3,536.13	3/4		3/4		3/4		3/4		3/4	
6	2,557.89	6	2,804.44	6	3,050.98	6	3,297.53	6	3,540.41	6		6		6		6		6	
1/4	2,563.02	1/4	2,809.57	1/4	3,056.12	1/4	3,302.67	1/4	3,542.97	1/4		1/4		1/4		1/4		1/4	
1/2	2,568.16	1/2	2,814.71	1/2	3,061.25	1/2	3,307.80	1/2	3,545.54	1/2		1/2		1/2		1/2		1/2	
3/4	2,573.30	3/4	2,819.84	3/4	3,066.39	3/4	3,312.94	3/4	3,548.11	3/4		3/4		3/4		3/4		3/4	
7	2,578.43	7	2,824.98	7	3,071.53	7	3,318.07	7	3,550.67	7		7		7		7		7	
1/4	2,583.57	1/4	2,830.12	1/4	3,076.66	1/4	3,323.21	1/4	3,551.53	1/4		1/4		1/4		1/4		1/4	
1/2	2,588.71	1/2	2,835.25	1/2	3,081.80	1/2	3,328.35	1/2	3,552.38	1/2		1/2		1/2		1/2		1/2	
3/4	2,593.84	3/4	2,840.39	3/4	3,086.94	3/4	3,333.48	3/4	3,553.24	3/4		3/4		3/4		3/4		3/4	
8	2,598.98	8	2,845.53	8	3,092.07	8	3,338.62	8	3,554.09	8		8		8		8		8	
1/4	2,604.12	1/4	2,850.66	1/4	3,097.21	1/4	3,343.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,609.25	1/2	2,855.80	1/2	3,102.35	1/2	3,348.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,614.39	3/4	2,860.94	3/4	3,107.48	3/4	3,354.03	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,619.52	9	2,866.07	9	3,112.62	9	3,359.17	9		9		9		9		9		9	
1/4	2,624.66	1/4	2,871.21	1/4	3,117.76	1/4	3,364.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,629.80	1/2	2,876.34	1/2	3,122.89	1/2	3,369.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,634.93	3/4	2,881.48	3/4	3,128.03	3/4	3,374.58	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,640.07	10	2,886.62	10	3,133.16	10	3,379.71	10		10		10		10		10		10	
1/4	2,645.21	1/4	2,891.75	1/4	3,138.30	1/4	3,384.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,650.34	1/2	2,896.89	1/2	3,143.44	1/2	3,389.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,655.48	3/4	2,902.03	3/4	3,148.57	3/4	3,395.12	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,660.62	11	2,907.16	11	3,153.71	11	3,400.26	11		11		11		11		11		11	
1/4	2,665.75	1/4	2,912.30	1/4	3,158.85	1/4	3,405.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,670.89	1/2	2,917.44	1/2	3,163.98	1/2	3,410.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,676.03	3/4	2,922.57	3/4	3,169.12	3/4	3,415.67	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2019 CL  
CALCULATED: 12/11/2019 CL  
PRINTED: 12/11/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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



# BARGE "FMT 1422"

## ULLAGE 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 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
2 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
3 CENTER	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 163'-09"

December 11, 2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "FMT 1422"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

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		0	3,423.06	0	3,219.56	0	3,008.21	0	2,796.86	0	2,585.91	0	2,341.69	0	2,093.94	0	1,846.40	0	1,599.18		
1/4		1/4	3,420.48	1/4	3,215.16	1/4	3,003.81	1/4	2,792.45	1/4	2,581.55	1/4	2,336.53	1/4	2,088.78	1/4	1,841.25	1/4	1,594.03		
1/2		1/2	3,417.89	1/2	3,210.76	1/2	2,999.40	1/2	2,788.05	1/2	2,577.18	1/2	2,331.37	1/2	2,083.62	1/2	1,836.11	1/2	1,588.87		
3/4		3/4	3,415.30	3/4	3,206.35	3/4	2,995.00	3/4	2,783.65	3/4	2,572.81	3/4	2,326.21	3/4	2,078.46	3/4	1,830.96	3/4	1,583.71		
1		1	3,412.72	1	3,201.95	1	2,990.60	1	2,779.24	1	2,568.44	1	2,321.04	1	2,073.30	1	1,825.82	1	1,578.56		
1/4		1/4	3,408.40	1/4	3,197.55	1/4	2,986.19	1/4	2,774.84	1/4	2,563.30	1/4	2,315.88	1/4	2,068.14	1/4	1,820.68	1/4	1,573.40		
1/2		1/2	3,404.09	1/2	3,193.14	1/2	2,981.79	1/2	2,770.44	1/2	2,558.16	1/2	2,310.72	1/2	2,062.97	1/2	1,815.53	1/2	1,568.25		
3/4		3/4	3,399.78	3/4	3,188.74	3/4	2,977.39	3/4	2,766.03	3/4	2,553.02	3/4	2,305.56	3/4	2,057.81	3/4	1,810.39	3/4	1,563.09		
2		2	3,395.47	2	3,184.34	2	2,972.98	2	2,761.63	2	2,547.88	2	2,300.40	2	2,052.65	2	1,805.24	2	1,557.93		
1/4		1/4	3,391.11	1/4	3,179.93	1/4	2,968.58	1/4	2,757.23	1/4	2,542.74	1/4	2,295.24	1/4	2,047.49	1/4	1,800.10	1/4	1,552.78		
1/2		1/2	3,386.76	1/2	3,175.53	1/2	2,964.18	1/2	2,752.82	1/2	2,537.59	1/2	2,290.08	1/2	2,042.33	1/2	1,794.95	1/2	1,547.62		
3/4		3/4	3,382.40	3/4	3,171.13	3/4	2,959.77	3/4	2,748.42	3/4	2,532.45	3/4	2,284.91	3/4	2,037.17	3/4	1,789.81	3/4	1,542.46		
3		3	3,378.04	3	3,166.72	3	2,955.37	3	2,744.02	3	2,527.31	3	2,279.75	3	2,032.01	3	1,784.66	3	1,537.31		
1/4		1/4	3,373.65	1/4	3,162.32	1/4	2,950.97	1/4	2,739.61	1/4	2,522.16	1/4	2,274.59	1/4	2,026.84	1/4	1,779.52	1/4	1,532.15		
1/2		1/2	3,369.26	1/2	3,157.92	1/2	2,946.56	1/2	2,735.21	1/2	2,517.00	1/2	2,269.43	1/2	2,021.68	1/2	1,774.37	1/2	1,527.00		
3/4		3/4	3,364.87	3/4	3,153.51	3/4	2,942.16	3/4	2,730.81	3/4	2,511.84	3/4	2,264.27	3/4	2,016.52	3/4	1,769.23	3/4	1,521.84		
4		4	3,360.48	4	3,149.11	4	2,937.76	4	2,726.40	4	2,506.69	4	2,259.11	4	2,011.36	4	1,764.09	4	1,516.68		
1/4		1/4	3,356.07	1/4	3,144.71	1/4	2,933.35	1/4	2,722.00	1/4	2,501.53	1/4	2,253.95	1/4	2,006.20	1/4	1,758.94	1/4	1,511.53		
1/2		1/2	3,351.66	1/2	3,140.30	1/2	2,928.95	1/2	2,717.60	1/2	2,496.38	1/2	2,248.78	1/2	2,001.04	1/2	1,753.80	1/2	1,506.37		
3/4		3/4	3,347.26	3/4	3,135.90	3/4	2,924.55	3/4	2,713.19	3/4	2,491.22	3/4	2,243.62	3/4	1,995.88	3/4	1,748.65	3/4	1,501.22		
5		5	3,342.85	5	3,131.50	5	2,920.14	5	2,708.79	5	2,486.06	5	2,238.46	5	1,990.71	5	1,743.51	5	1,496.06		
1/4		1/4	3,338.45	1/4	3,127.10	1/4	2,915.74	1/4	2,704.39	1/4	2,480.91	1/4	2,233.30	1/4	1,985.55	1/4	1,738.36	1/4	1,490.90		
1/2		1/2	3,334.05	1/2	3,122.69	1/2	2,911.34	1/2	2,699.98	1/2	2,475.75	1/2	2,228.14	1/2	1,980.39	1/2	1,733.22	1/2	1,485.74		
3/4		3/4	3,329.64	3/4	3,118.29	3/4	2,906.94	3/4	2,695.58	3/4	2,470.59	3/4	2,222.98	3/4	1,975.23	3/4	1,728.07	3/4	1,480.58		
6		6	3,325.24	6	3,113.89	6	2,902.53	6	2,691.18	6	2,465.44	6	2,217.82	6	1,970.07	6	1,722.93	6	1,475.42		
1/4		1/4	3,320.84	1/4	3,109.48	1/4	2,898.13	1/4	2,686.78	1/4	2,460.28	1/4	2,212.65	1/4	1,964.91	1/4	1,717.79	1/4	1,470.26		
1/2		1/2	3,316.43	1/2	3,105.08	1/2	2,893.73	1/2	2,682.37	1/2	2,455.13	1/2	2,207.49	1/2	1,959.75	1/2	1,712.64	1/2	1,465.10		
3/4		3/4	3,312.03	3/4	3,100.68	3/4	2,889.32	3/4	2,677.97	3/4	2,449.97	3/4	2,202.33	3/4	1,954.58	3/4	1,707.50	3/4	1,459.94		
7		7	3,307.63	7	3,096.27	7	2,884.92	7	2,673.57	7	2,444.81	7	2,197.17	7	1,949.42	7	1,702.35	7	1,454.78		
1/4		1/4	3,303.22	1/4	3,091.87	1/4	2,880.52	1/4	2,669.16	1/4	2,439.66	1/4	2,192.01	1/4	1,944.26	1/4	1,697.19	1/4	1,449.62		
1/2		1/2	3,298.82	1/2	3,087.47	1/2	2,876.11	1/2	2,664.76	1/2	2,434.50	1/2	2,186.85	1/2	1,939.10	1/2	1,692.03	1/2	1,444.46		
3/4		3/4	3,294.42	3/4	3,083.06	3/4	2,871.71	3/4	2,660.36	3/4	2,429.34	3/4	2,181.69	3/4	1,933.94	3/4	1,686.87	3/4	1,439.30		
8		8	3,290.01	8	3,078.66	8	2,867.31	8	2,655.95	8	2,424.19	8	2,176.52	8	1,928.78	8	1,681.72	8	1,434.14		
1/4		1/4	3,285.61	1/4	3,074.26	1/4	2,862.90	1/4	2,651.55	1/4	2,419.03	1/4	2,171.36	1/4	1,923.62	1/4	1,676.56	1/4	1,428.98		
1/2		1/2	3,281.21	1/2	3,069.85	1/2	2,858.50	1/2	2,647.15	1/2	2,413.88	1/2	2,166.20	1/2	1,918.45	1/2	1,671.40	1/2	1,423.82		
3/4		3/4	3,276.80	3/4	3,065.45	3/4	2,854.10	3/4	2,642.74	3/4	2,408.72	3/4	2,161.04	3/4	1,913.29	3/4	1,666.24	3/4	1,418.66		
9		9	3,272.40	9	3,061.05	9	2,849.69	9	2,638.34	9	2,403.56	9	2,155.88	9	1,908.13	9	1,661.08	9	1,413.50		
1/4		1/4	3,268.00	1/4	3,056.64	1/4	2,845.29	1/4	2,633.97	1/4	2,398.41	1/4	2,150.72	1/4	1,902.99	1/4	1,655.92	1/4	1,408.34		
1/2		1/2	3,263.59	1/2	3,052.24	1/2	2,840.89	1/2	2,629.60	1/2	2,393.25	1/2	2,145.56	1/2	1,897.84	1/2	1,650.76	1/2	1,403.18		
3/4		3/4	3,259.19	3/4	3,047.84	3/4	2,836.48	3/4	2,625.23	3/4	2,388.10	3/4	2,140.39	3/4	1,892.70	3/4	1,645.60	3/4	1,398.02		
10		10	3,254.79	10	3,043.43	10	2,832.08	10	2,620.86	10	2,382.94	10	2,135.23	10	1,887.55	10	1,640.44	10	1,392.86		
1/4		1/4	3,250.38	1/4	3,039.03	1/4	2,827.68	1/4	2,616.50	1/4	2,377.78	1/4	2,130.07	1/4	1,882.41	1/4	1,635.28	1/4	1,387.70		
1/2		1/2	3,245.98	1/2	3,034.63	1/2	2,823.27	1/2	2,612.13	1/2	2,372.63	1/2	2,124.91	1/2	1,877.26	1/2	1,630.13	1/2	1,382.54		
3/4		3/4	3,241.58	3/4	3,030.22	3/4	2,818.87	3/4	2,607.76	3/4	2,367.47	3/4	2,119.75	3/4	1,872.12	3/4	1,624.97	3/4	1,377.38		
11		11	3,426.51	11	3,237.18	11	3,025.82	11	2,814.47	11	2,603.39	11	2,362.31	11	2,114.59	11	1,866.98	11	1,619.81	11	1,372.22
1/4		1/4	3,425.65	1/4	3,232.77	1/4	3,021.42	1/4	2,810.06	1/4	2,599.02	1/4	2,357.16	1/4	2,109.43	1/4	1,861.83	1/4	1,614.65	1/4	1,367.06
1/2		1/2	3,424.79	1/2	3,228.37	1/2	3,017.02	1/2	2,805.66	1/2	2,594.65	1/2	2,352.00	1/2	2,104.27	1/2	1,856.69	1/2	1,609.50	1/2	1,361.90
3/4		3/4	3,423.93	3/4	3,223.97	3/4	3,012.61	3/4	2,801.26	3/4	2,590.28	3/4	2,346.85	3/4	2,099.10	3/4	1,851.54	3/4	1,604.34	3/4	1,356.74

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 AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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# BARGE "FMT 1422"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

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	1,351.58	0	1,103.90	0	856.22	0	614.48	0	366.11	0	117.68	0		0		0		0	
1/4	1,346.42	1/4	1,098.74	1/4	851.06	1/4	609.31	1/4	360.94	1/4	112.50	1/4		1/4		1/4		1/4	
1/2	1,341.26	1/2	1,093.58	1/2	845.90	1/2	604.14	1/2	355.76	1/2	107.33	1/2		1/2		1/2		1/2	
3/4	1,336.10	3/4	1,088.42	3/4	840.74	3/4	598.97	3/4	350.59	3/4	102.15	3/4		3/4		3/4		3/4	
1	1,330.94	1	1,083.26	1	835.58	1	593.81	1	345.41	1	96.98	1		1		1		1	
1/4	1,325.78	1/4	1,078.10	1/4	830.42	1/4	588.64	1/4	340.23	1/4	91.80	1/4		1/4		1/4		1/4	
1/2	1,320.62	1/2	1,072.94	1/2	825.26	1/2	583.47	1/2	335.06	1/2	86.63	1/2		1/2		1/2		1/2	
3/4	1,315.46	3/4	1,067.78	3/4	820.10	3/4	578.30	3/4	329.88	3/4	81.45	3/4		3/4		3/4		3/4	
2	1,310.30	2	1,062.62	2	814.94	2	573.14	2	324.71	2	76.28	2		2		2		2	
1/4	1,305.14	1/4	1,057.46	1/4	809.91	1/4	567.96	1/4	319.53	1/4	71.12	1/4		1/4		1/4		1/4	
1/2	1,299.98	1/2	1,052.30	1/2	804.88	1/2	562.79	1/2	314.36	1/2	65.95	1/2		1/2		1/2		1/2	
3/4	1,294.82	3/4	1,047.14	3/4	799.85	3/4	557.61	3/4	309.18	3/4	60.79	3/4		3/4		3/4		3/4	
3	1,289.66	3	1,041.98	3	794.82	3	552.43	3	304.01	3	55.63	3		3		3		3	
1/4	1,284.50	1/4	1,036.82	1/4	789.79	1/4	547.26	1/4	298.83	1/4	50.50	1/4		1/4		1/4		1/4	
1/2	1,279.34	1/2	1,031.66	1/2	784.77	1/2	542.08	1/2	293.65	1/2	45.37	1/2		1/2		1/2		1/2	
3/4	1,274.18	3/4	1,026.50	3/4	779.74	3/4	536.91	3/4	288.48	3/4	40.24	3/4		3/4		3/4		3/4	
4	1,269.02	4	1,021.34	4	774.71	4	531.73	4	283.30	4	35.11	4		4		4		4	
1/4	1,263.86	1/4	1,016.18	1/4	769.71	1/4	526.56	1/4	278.13	1/4	30.80	1/4		1/4		1/4		1/4	
1/2	1,258.70	1/2	1,011.02	1/2	764.70	1/2	521.38	1/2	272.95	1/2	26.48	1/2		1/2		1/2		1/2	
3/4	1,253.54	3/4	1,005.86	3/4	759.70	3/4	516.21	3/4	267.78	3/4	22.17	3/4		3/4		3/4		3/4	
5	1,248.38	5	1,000.70	5	754.70	5	511.03	5	262.60	5	17.86	5		5		5		5	
1/4	1,243.22	1/4	995.54	1/4	749.69	1/4	505.85	1/4	257.43	1/4	15.28	1/4		1/4		1/4		1/4	
1/2	1,238.06	1/2	990.38	1/2	744.69	1/2	500.68	1/2	252.25	1/2	12.69	1/2		1/2		1/2		1/2	
3/4	1,232.90	3/4	985.22	3/4	739.68	3/4	495.50	3/4	247.07	3/4	10.10	3/4		3/4		3/4		3/4	
6	1,227.74	6	980.06	6	734.68	6	490.33	6	241.90	6	7.52	6		6		6		6	
1/4	1,222.58	1/4	974.90	1/4	729.68	1/4	485.15	1/4	236.72	1/4	6.65	1/4		1/4		1/4		1/4	
1/2	1,217.42	1/2	969.74	1/2	724.67	1/2	479.98	1/2	231.55	1/2	5.79	1/2		1/2		1/2		1/2	
3/4	1,212.26	3/4	964.58	3/4	719.67	3/4	474.80	3/4	226.37	3/4	4.93	3/4		3/4		3/4		3/4	
7	1,207.10	7	959.42	7	714.66	7	469.62	7	221.20	7	4.07	7		7		7		7	
1/4	1,201.94	1/4	954.26	1/4	709.66	1/4	464.45	1/4	216.02	1/4		1/4		1/4		1/4		1/4	
1/2	1,196.78	1/2	949.10	1/2	704.66	1/2	459.27	1/2	210.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,191.62	3/4	943.94	3/4	699.65	3/4	454.10	3/4	205.67	3/4		3/4		3/4		3/4		3/4	
8	1,186.46	8	938.78	8	694.65	8	448.92	8	200.49	8		8		8		8		8	
1/4	1,181.30	1/4	933.62	1/4	689.64	1/4	443.75	1/4	195.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,176.14	1/2	928.46	1/2	684.64	1/2	438.57	1/2	190.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,170.98	3/4	923.30	3/4	679.64	3/4	433.40	3/4	184.96	3/4		3/4		3/4		3/4		3/4	
9	1,165.82	9	918.14	9	674.63	9	428.22	9	179.79	9		9		9		9		9	
1/4	1,160.66	1/4	912.98	1/4	669.63	1/4	423.04	1/4	174.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,155.50	1/2	907.82	1/2	664.62	1/2	417.87	1/2	169.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,150.34	3/4	902.66	3/4	659.62	3/4	412.69	3/4	164.26	3/4		3/4		3/4		3/4		3/4	
10	1,145.18	10	897.50	10	654.62	10	407.52	10	159.09	10		10		10		10		10	
1/4	1,140.02	1/4	892.34	1/4	649.60	1/4	402.34	1/4	153.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,134.86	1/2	887.18	1/2	644.58	1/2	397.17	1/2	148.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,129.70	3/4	882.02	3/4	639.57	3/4	391.99	3/4	143.56	3/4		3/4		3/4		3/4		3/4	
11	1,124.54	11	876.86	11	634.55	11	386.82	11	138.38	11		11		11		11		11	
1/4	1,119.38	1/4	871.70	1/4	629.53	1/4	381.64	1/4	133.21	1/4		1/4		1/4		1/4		1/4	
1/2	1,114.22	1/2	866.54	1/2	624.52	1/2	376.46	1/2	128.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,109.06	3/4	861.38	3/4	619.50	3/4	371.29	3/4	122.85	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2019 CL  
CALCULATED: 12/11/2019 CL  
PRINTED: 12/11/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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



# BARGE "FMT 1422"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	3,731.20	0	3,455.62	0	3,180.03	0	2,904.44	0	2,628.86	0	2,353.27	0	2,077.68	0	1,802.09
1/4		1/4	3,966.34	1/4	3,725.46	1/4	3,449.88	1/4	3,174.29	1/4	2,898.70	1/4	2,623.11	1/4	2,347.53	1/4	2,071.94	1/4	1,796.35
1/2		1/2	3,965.38	1/2	3,719.72	1/2	3,444.13	1/2	3,168.55	1/2	2,892.96	1/2	2,617.37	1/2	2,341.79	1/2	2,066.20	1/2	1,790.61
3/4		3/4	3,964.43	3/4	3,713.98	3/4	3,438.39	3/4	3,162.81	3/4	2,887.22	3/4	2,611.63	3/4	2,336.04	3/4	2,060.46	3/4	1,784.87
1		1	3,963.47	1	3,708.24	1	3,432.65	1	3,157.06	1	2,881.48	1	2,605.89	1	2,330.30	1	2,054.72	1	1,779.13
1/4		1/4	3,962.52	1/4	3,702.50	1/4	3,426.91	1/4	3,151.32	1/4	2,875.74	1/4	2,600.15	1/4	2,324.56	1/4	2,048.97	1/4	1,773.39
1/2		1/2	3,959.65	1/2	3,696.76	1/2	3,421.17	1/2	3,145.58	1/2	2,869.99	1/2	2,594.41	1/2	2,318.82	1/2	2,043.23	1/2	1,767.65
3/4		3/4	3,956.78	3/4	3,691.01	3/4	3,415.43	3/4	3,139.84	3/4	2,864.25	3/4	2,588.67	3/4	2,313.08	3/4	2,037.49	3/4	1,761.90
2		2	3,953.91	2	3,685.27	2	3,409.69	2	3,134.10	2	2,858.51	2	2,582.92	2	2,307.34	2	2,031.75	2	1,756.16
1/4		1/4	3,951.04	1/4	3,679.53	1/4	3,403.94	1/4	3,128.36	1/4	2,852.77	1/4	2,577.18	1/4	2,301.60	1/4	2,026.01	1/4	1,750.42
1/2		1/2	3,946.26	1/2	3,673.79	1/2	3,398.20	1/2	3,122.62	1/2	2,847.03	1/2	2,571.44	1/2	2,295.85	1/2	2,020.27	1/2	1,744.68
3/4		3/4	3,941.47	3/4	3,668.05	3/4	3,392.46	3/4	3,116.87	3/4	2,841.29	3/4	2,565.70	3/4	2,290.11	3/4	2,014.53	3/4	1,738.94
3		3	3,936.69	3	3,662.31	3	3,386.72	3	3,111.13	3	2,835.55	3	2,559.96	3	2,284.37	3	2,008.78	3	1,733.20
1/4		1/4	3,931.91	1/4	3,656.57	1/4	3,380.98	1/4	3,105.39	1/4	2,829.80	1/4	2,554.22	1/4	2,278.63	1/4	2,003.04	1/4	1,727.46
1/2		1/2	3,926.22	1/2	3,650.82	1/2	3,375.24	1/2	3,099.65	1/2	2,824.06	1/2	2,548.48	1/2	2,272.89	1/2	1,997.30	1/2	1,721.71
3/4		3/4	3,920.53	3/4	3,645.08	3/4	3,369.50	3/4	3,093.91	3/4	2,818.32	3/4	2,542.73	3/4	2,267.15	3/4	1,991.56	3/4	1,715.97
4		4	3,914.84	4	3,639.34	4	3,363.75	4	3,088.17	4	2,812.58	4	2,536.99	4	2,261.41	4	1,985.82	4	1,710.23
1/4		1/4	3,909.14	1/4	3,633.60	1/4	3,358.01	1/4	3,082.43	1/4	2,806.84	1/4	2,531.25	1/4	2,255.66	1/4	1,980.08	1/4	1,704.49
1/2		1/2	3,903.42	1/2	3,627.86	1/2	3,352.27	1/2	3,076.68	1/2	2,801.10	1/2	2,525.51	1/2	2,249.92	1/2	1,974.34	1/2	1,698.75
3/4		3/4	3,897.69	3/4	3,622.12	3/4	3,346.53	3/4	3,070.94	3/4	2,795.36	3/4	2,519.77	3/4	2,244.18	3/4	1,968.59	3/4	1,693.01
5		5	3,891.96	5	3,616.38	5	3,340.79	5	3,065.20	5	2,789.61	5	2,514.03	5	2,238.44	5	1,962.85	5	1,687.27
1/4		1/4	3,886.24	1/4	3,610.63	1/4	3,335.05	1/4	3,059.46	1/4	2,783.87	1/4	2,508.29	1/4	2,232.70	1/4	1,957.11	1/4	1,681.52
1/2		1/2	3,880.49	1/2	3,604.89	1/2	3,329.31	1/2	3,053.72	1/2	2,778.13	1/2	2,502.54	1/2	2,226.96	1/2	1,951.37	1/2	1,675.78
3/4		3/4	3,874.75	3/4	3,599.15	3/4	3,323.56	3/4	3,047.98	3/4	2,772.39	3/4	2,496.80	3/4	2,221.22	3/4	1,945.63	3/4	1,670.04
6		6	3,869.00	6	3,593.41	6	3,317.82	6	3,042.24	6	2,766.65	6	2,491.06	6	2,215.47	6	1,939.89	6	1,664.30
1/4		1/4	3,863.26	1/4	3,587.67	1/4	3,312.08	1/4	3,036.49	1/4	2,760.91	1/4	2,485.32	1/4	2,209.73	1/4	1,934.15	1/4	1,658.56
1/2		1/2	3,857.51	1/2	3,581.93	1/2	3,306.34	1/2	3,030.75	1/2	2,755.17	1/2	2,479.58	1/2	2,203.99	1/2	1,928.40	1/2	1,652.82
3/4		3/4	3,851.77	3/4	3,576.19	3/4	3,300.60	3/4	3,025.01	3/4	2,749.42	3/4	2,473.84	3/4	2,198.25	3/4	1,922.66	3/4	1,647.08
7		7	3,846.03	7	3,570.44	7	3,294.86	7	3,019.27	7	2,743.68	7	2,468.10	7	2,192.51	7	1,916.92	7	1,641.33
1/4		1/4	3,840.29	1/4	3,564.70	1/4	3,289.12	1/4	3,013.53	1/4	2,737.94	1/4	2,462.35	1/4	2,186.77	1/4	1,911.18	1/4	1,635.59
1/2		1/2	3,834.55	1/2	3,558.96	1/2	3,283.37	1/2	3,007.79	1/2	2,732.20	1/2	2,456.61	1/2	2,181.03	1/2	1,905.44	1/2	1,629.85
3/4		3/4	3,828.81	3/4	3,553.22	3/4	3,277.63	3/4	3,002.05	3/4	2,726.46	3/4	2,450.87	3/4	2,175.28	3/4	1,899.70	3/4	1,624.11
8		8	3,823.07	8	3,547.48	8	3,271.89	8	2,996.30	8	2,720.72	8	2,445.13	8	2,169.54	8	1,893.96	8	1,618.37
1/4		1/4	3,817.32	1/4	3,541.74	1/4	3,266.15	1/4	2,990.56	1/4	2,714.98	1/4	2,439.39	1/4	2,163.80	1/4	1,888.21	1/4	1,612.63
1/2		1/2	3,811.58	1/2	3,536.00	1/2	3,260.41	1/2	2,984.82	1/2	2,709.23	1/2	2,433.65	1/2	2,158.06	1/2	1,882.47	1/2	1,606.89
3/4		3/4	3,805.84	3/4	3,530.25	3/4	3,254.67	3/4	2,979.08	3/4	2,703.49	3/4	2,427.91	3/4	2,152.32	3/4	1,876.73	3/4	1,601.14
9		9	3,800.10	9	3,524.51	9	3,248.93	9	2,973.34	9	2,697.75	9	2,422.16	9	2,146.58	9	1,870.99	9	1,595.40
1/4		1/4	3,794.36	1/4	3,518.77	1/4	3,243.18	1/4	2,967.60	1/4	2,692.01	1/4	2,416.42	1/4	2,140.84	1/4	1,865.25	1/4	1,589.66
1/2		1/2	3,788.62	1/2	3,513.03	1/2	3,237.44	1/2	2,961.86	1/2	2,686.27	1/2	2,410.68	1/2	2,135.09	1/2	1,859.51	1/2	1,583.92
3/4		3/4	3,782.88	3/4	3,507.29	3/4	3,231.70	3/4	2,956.11	3/4	2,680.53	3/4	2,404.94	3/4	2,129.35	3/4	1,853.77	3/4	1,578.18
10		10	3,777.14	10	3,501.55	10	3,225.96	10	2,950.37	10	2,674.79	10	2,399.20	10	2,123.61	10	1,848.02	10	1,572.44
1/4		1/4	3,771.39	1/4	3,495.81	1/4	3,220.22	1/4	2,944.63	1/4	2,669.04	1/4	2,393.46	1/4	2,117.87	1/4	1,842.28	1/4	1,566.70
1/2		1/2	3,765.65	1/2	3,490.07	1/2	3,214.48	1/2	2,938.89	1/2	2,663.30	1/2	2,387.72	1/2	2,112.13	1/2	1,836.54	1/2	1,560.95
3/4		3/4	3,759.91	3/4	3,484.32	3/4	3,208.74	3/4	2,933.15	3/4	2,657.56	3/4	2,381.97	3/4	2,106.39	3/4	1,830.80	3/4	1,555.21
11		11	3,754.17	11	3,478.58	11	3,203.00	11	2,927.41	11	2,651.82	11	2,376.23	11	2,100.65	11	1,825.06	11	1,549.47
1/4		1/4	3,748.43	1/4	3,472.84	1/4	3,197.25	1/4	2,921.67	1/4	2,646.08	1/4	2,370.49	1/4	2,094.90	1/4	1,819.32	1/4	1,543.73
1/2		1/2	3,742.69	1/2	3,467.10	1/2	3,191.51	1/2	2,915.93	1/2	2,640.34	1/2	2,364.75	1/2	2,089.16	1/2	1,813.58	1/2	1,537.99
3/4		3/4	3,736.95	3/4	3,461.36	3/4	3,185.77	3/4	2,910.18	3/4	2,634.60	3/4	2,359.01	3/4	2,083.42	3/4	1,807.83	3/4	1,532.25

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 AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "FMT 1422"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,526.51	0	1,250.92	0	975.33	0	705.77	0	431.04	0	155.46	0		0		0		0	
1/4	1,520.76	1/4	1,245.18	1/4	969.59	1/4	700.21	1/4	425.30	1/4	149.72	1/4		1/4		1/4		1/4	
1/2	1,515.02	1/2	1,239.44	1/2	963.85	1/2	694.63	1/2	419.55	1/2	143.98	1/2		1/2		1/2		1/2	
3/4	1,509.28	3/4	1,233.69	3/4	958.11	3/4	689.06	3/4	413.81	3/4	138.24	3/4		3/4		3/4		3/4	
1	1,503.54	1	1,227.95	1	952.37	1	683.48	1	408.07	1	132.49	1		1		1		1	
1/4	1,497.80	1/4	1,222.21	1/4	946.62	1/4	677.91	1/4	402.33	1/4	126.75	1/4		1/4		1/4		1/4	
1/2	1,492.06	1/2	1,216.47	1/2	940.88	1/2	672.17	1/2	396.59	1/2	121.01	1/2		1/2		1/2		1/2	
3/4	1,486.32	3/4	1,210.73	3/4	935.14	3/4	666.43	3/4	390.85	3/4	115.27	3/4		3/4		3/4		3/4	
2	1,480.58	2	1,204.99	2	929.40	2	660.69	2	385.11	2	109.53	2		2		2		2	
1/4	1,474.83	1/4	1,199.25	1/4	923.66	1/4	654.94	1/4	379.37	1/4	103.79	1/4		1/4		1/4		1/4	
1/2	1,469.09	1/2	1,193.51	1/2	917.92	1/2	649.20	1/2	373.63	1/2	98.05	1/2		1/2		1/2		1/2	
3/4	1,463.35	3/4	1,187.76	3/4	912.18	3/4	643.46	3/4	367.88	3/4	92.31	3/4		3/4		3/4		3/4	
3	1,457.61	3	1,182.02	3	906.44	3	637.72	3	362.14	3	86.57	3		3		3		3	
1/4	1,451.87	1/4	1,176.28	1/4	900.69	1/4	631.98	1/4	356.40	1/4	80.83	1/4		1/4		1/4		1/4	
1/2	1,446.13	1/2	1,170.54	1/2	895.12	1/2	626.24	1/2	350.66	1/2	75.10	1/2		1/2		1/2		1/2	
3/4	1,440.39	3/4	1,164.80	3/4	889.55	3/4	620.50	3/4	344.92	3/4	69.38	3/4		3/4		3/4		3/4	
4	1,434.64	4	1,159.06	4	883.97	4	614.76	4	339.18	4	63.65	4		4		4		4	
1/4	1,428.90	1/4	1,153.32	1/4	878.40	1/4	609.01	1/4	333.44	1/4	57.92	1/4		1/4		1/4		1/4	
1/2	1,423.16	1/2	1,147.57	1/2	872.83	1/2	603.27	1/2	327.70	1/2	52.23	1/2		1/2		1/2		1/2	
3/4	1,417.42	3/4	1,141.83	3/4	867.26	3/4	597.53	3/4	321.95	3/4	46.54	3/4		3/4		3/4		3/4	
5	1,411.68	5	1,136.09	5	861.70	5	591.79	5	316.21	5	40.85	5		5		5		5	
1/4	1,405.94	1/4	1,130.35	1/4	856.13	1/4	586.05	1/4	310.47	1/4	35.16	1/4		1/4		1/4		1/4	
1/2	1,400.20	1/2	1,124.61	1/2	850.56	1/2	580.31	1/2	304.73	1/2	30.38	1/2		1/2		1/2		1/2	
3/4	1,394.45	3/4	1,118.87	3/4	844.99	3/4	574.57	3/4	298.99	3/4	25.59	3/4		3/4		3/4		3/4	
6	1,388.71	6	1,113.13	6	839.42	6	568.83	6	293.25	6	20.81	6		6		6		6	
1/4	1,382.97	1/4	1,107.38	1/4	833.85	1/4	563.08	1/4	287.51	1/4	16.03	1/4		1/4		1/4		1/4	
1/2	1,377.23	1/2	1,101.64	1/2	828.28	1/2	557.34	1/2	281.77	1/2	13.16	1/2		1/2		1/2		1/2	
3/4	1,371.49	3/4	1,095.90	3/4	822.72	3/4	551.60	3/4	276.02	3/4	10.29	3/4		3/4		3/4		3/4	
7	1,365.75	7	1,090.16	7	817.15	7	545.86	7	270.28	7	7.42	7		7		7		7	
1/4	1,360.01	1/4	1,084.42	1/4	811.58	1/4	540.12	1/4	264.54	1/4	4.55	1/4		1/4		1/4		1/4	
1/2	1,354.26	1/2	1,078.68	1/2	806.01	1/2	534.38	1/2	258.80	1/2	3.60	1/2		1/2		1/2		1/2	
3/4	1,348.52	3/4	1,072.94	3/4	800.44	3/4	528.64	3/4	253.06	3/4	2.64	3/4		3/4		3/4		3/4	
8	1,342.78	8	1,067.19	8	794.87	8	522.90	8	247.32	8	1.69	8		8		8		8	
1/4	1,337.04	1/4	1,061.45	1/4	789.30	1/4	517.16	1/4	241.58	1/4	0.73	1/4		1/4		1/4		1/4	
1/2	1,331.30	1/2	1,055.71	1/2	783.74	1/2	511.41	1/2	235.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,325.56	3/4	1,049.97	3/4	778.17	3/4	505.67	3/4	230.10	3/4		3/4		3/4		3/4		3/4	
9	1,319.82	9	1,044.23	9	772.60	9	499.93	9	224.35	9		9		9		9		9	
1/4	1,314.07	1/4	1,038.49	1/4	767.03	1/4	494.19	1/4	218.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,308.33	1/2	1,032.75	1/2	761.46	1/2	488.45	1/2	212.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,302.59	3/4	1,027.00	3/4	755.89	3/4	482.71	3/4	207.13	3/4		3/4		3/4		3/4		3/4	
10	1,296.85	10	1,021.26	10	750.32	10	476.97	10	201.39	10		10		10		10		10	
1/4	1,291.11	1/4	1,015.52	1/4	744.75	1/4	471.23	1/4	195.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,285.37	1/2	1,009.78	1/2	739.19	1/2	465.48	1/2	189.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,279.63	3/4	1,004.04	3/4	733.62	3/4	459.74	3/4	184.17	3/4		3/4		3/4		3/4		3/4	
11	1,273.88	11	998.30	11	728.05	11	454.00	11	178.42	11		11		11		11		11	
1/4	1,268.14	1/4	992.56	1/4	722.48	1/4	448.26	1/4	172.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,262.40	1/2	986.81	1/2	716.91	1/2	442.52	1/2	166.94	1/2		1/2		1/2		1/2		1/2	
3/4	1,256.66	3/4	981.07	3/4	711.34	3/4	436.78	3/4	161.20	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2019 CL  
CALCULATED: 12/11/2019 CL  
PRINTED: 12/11/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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



# BARGE "FMT 1422"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

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		0	3,550.67	0	3,318.07	0	3,071.52	0	2,824.98	0	2,578.43	0	2,331.88	0	2,085.33	0	1,838.79	0	1,592.24
1/4		1/4	3,548.10	1/4	3,312.93	1/4	3,066.39	1/4	2,819.84	1/4	2,573.29	1/4	2,326.75	1/4	2,080.20	1/4	1,833.65	1/4	1,587.10
1/2		1/2	3,545.54	1/2	3,307.80	1/2	3,061.25	1/2	2,814.70	1/2	2,568.16	1/2	2,321.61	1/2	2,075.06	1/2	1,828.51	1/2	1,581.97
3/4		3/4	3,542.97	3/4	3,302.66	3/4	3,056.11	3/4	2,809.57	3/4	2,563.02	3/4	2,316.47	3/4	2,069.93	3/4	1,823.38	3/4	1,576.83
1		1	3,540.40	1	3,297.53	1	3,050.98	1	2,804.43	1	2,557.88	1	2,311.34	1	2,064.79	1	1,818.24	1	1,571.69
1/4		1/4	3,536.12	1/4	3,292.39	1/4	3,045.84	1/4	2,799.29	1/4	2,552.75	1/4	2,306.20	1/4	2,059.65	1/4	1,813.11	1/4	1,566.56
1/2		1/2	3,531.85	1/2	3,287.25	1/2	3,040.71	1/2	2,794.16	1/2	2,547.61	1/2	2,301.06	1/2	2,054.52	1/2	1,807.97	1/2	1,561.42
3/4		3/4	3,527.57	3/4	3,282.12	3/4	3,035.57	3/4	2,789.02	3/4	2,542.47	3/4	2,295.93	3/4	2,049.38	3/4	1,802.83	3/4	1,556.29
2		2	3,523.29	2	3,276.98	2	3,030.43	2	2,783.89	2	2,537.34	2	2,290.79	2	2,044.24	2	1,797.70	2	1,551.15
1/4		1/4	3,518.20	1/4	3,271.84	1/4	3,025.30	1/4	2,778.75	1/4	2,532.20	1/4	2,285.65	1/4	2,039.11	1/4	1,792.56	1/4	1,546.01
1/2		1/2	3,513.11	1/2	3,266.71	1/2	3,020.16	1/2	2,773.61	1/2	2,527.07	1/2	2,280.52	1/2	2,033.97	1/2	1,787.42	1/2	1,540.88
3/4		3/4	3,508.01	3/4	3,261.57	3/4	3,015.02	3/4	2,768.48	3/4	2,521.93	3/4	2,275.38	3/4	2,028.83	3/4	1,782.29	3/4	1,535.74
3		3	3,502.92	3	3,256.43	3	3,009.89	3	2,763.34	3	2,516.79	3	2,270.25	3	2,023.70	3	1,777.15	3	1,530.60
1/4		1/4	3,497.80	1/4	3,251.30	1/4	3,004.75	1/4	2,758.20	1/4	2,511.66	1/4	2,265.11	1/4	2,018.56	1/4	1,772.01	1/4	1,525.47
1/2		1/2	3,492.68	1/2	3,246.16	1/2	2,999.61	1/2	2,753.07	1/2	2,506.52	1/2	2,259.97	1/2	2,013.43	1/2	1,766.88	1/2	1,520.33
3/4		3/4	3,487.55	3/4	3,241.02	3/4	2,994.48	3/4	2,747.93	3/4	2,501.38	3/4	2,254.84	3/4	2,008.29	3/4	1,761.74	3/4	1,515.19
4		4	3,482.43	4	3,235.89	4	2,989.34	4	2,742.79	4	2,496.25	4	2,249.70	4	2,003.15	4	1,756.61	4	1,510.06
1/4		1/4	3,477.29	1/4	3,230.75	1/4	2,984.20	1/4	2,737.66	1/4	2,491.11	1/4	2,244.56	1/4	1,998.02	1/4	1,751.47	1/4	1,504.92
1/2		1/2	3,472.16	1/2	3,225.62	1/2	2,979.07	1/2	2,732.52	1/2	2,485.97	1/2	2,239.43	1/2	1,992.88	1/2	1,746.33	1/2	1,499.79
3/4		3/4	3,467.02	3/4	3,220.48	3/4	2,973.93	3/4	2,727.38	3/4	2,480.84	3/4	2,234.29	3/4	1,987.74	3/4	1,741.20	3/4	1,494.65
5		5	3,461.89	5	3,215.34	5	2,968.80	5	2,722.25	5	2,475.70	5	2,229.15	5	1,982.61	5	1,736.06	5	1,489.51
1/4		1/4	3,456.75	1/4	3,210.21	1/4	2,963.66	1/4	2,717.11	1/4	2,470.56	1/4	2,224.02	1/4	1,977.47	1/4	1,730.92	1/4	1,484.38
1/2		1/2	3,451.62	1/2	3,205.07	1/2	2,958.52	1/2	2,711.98	1/2	2,465.43	1/2	2,218.88	1/2	1,972.33	1/2	1,725.79	1/2	1,479.24
3/4		3/4	3,446.48	3/4	3,199.93	3/4	2,953.39	3/4	2,706.84	3/4	2,460.29	3/4	2,213.74	3/4	1,967.20	3/4	1,720.65	3/4	1,474.10
6		6	3,441.34	6	3,194.80	6	2,948.25	6	2,701.70	6	2,455.16	6	2,208.61	6	1,962.06	6	1,715.51	6	1,468.97
1/4		1/4	3,436.21	1/4	3,189.66	1/4	2,943.11	1/4	2,696.57	1/4	2,450.02	1/4	2,203.47	1/4	1,956.92	1/4	1,710.38	1/4	1,463.83
1/2		1/2	3,431.07	1/2	3,184.52	1/2	2,937.98	1/2	2,691.43	1/2	2,444.88	1/2	2,198.34	1/2	1,951.79	1/2	1,705.24	1/2	1,458.69
3/4		3/4	3,425.94	3/4	3,179.39	3/4	2,932.84	3/4	2,686.29	3/4	2,439.75	3/4	2,193.20	3/4	1,946.65	3/4	1,700.10	3/4	1,453.56
7		7	3,420.80	7	3,174.25	7	2,927.70	7	2,681.16	7	2,434.61	7	2,188.06	7	1,941.52	7	1,694.97	7	1,448.42
1/4		1/4	3,415.66	1/4	3,169.12	1/4	2,922.57	1/4	2,676.02	1/4	2,429.47	1/4	2,182.93	1/4	1,936.38	1/4	1,689.83	1/4	1,443.28
1/2		1/2	3,410.53	1/2	3,163.98	1/2	2,917.43	1/2	2,670.88	1/2	2,424.34	1/2	2,177.79	1/2	1,931.24	1/2	1,684.70	1/2	1,438.15
3/4		3/4	3,405.39	3/4	3,158.84	3/4	2,912.30	3/4	2,665.75	3/4	2,419.20	3/4	2,172.65	3/4	1,926.11	3/4	1,679.56	3/4	1,433.01
8		8	3,400.25	8	3,153.71	8	2,907.16	8	2,660.61	8	2,414.06	8	2,167.52	8	1,920.97	8	1,674.42	8	1,427.88
1/4		1/4	3,395.12	1/4	3,148.57	1/4	2,902.02	1/4	2,655.48	1/4	2,408.93	1/4	2,162.38	1/4	1,915.83	1/4	1,669.29	1/4	1,422.74
1/2		1/2	3,389.98	1/2	3,143.43	1/2	2,896.89	1/2	2,650.34	1/2	2,403.79	1/2	2,157.24	1/2	1,910.70	1/2	1,664.15	1/2	1,417.60
3/4		3/4	3,384.84	3/4	3,138.30	3/4	2,891.75	3/4	2,645.20	3/4	2,398.66	3/4	2,152.11	3/4	1,905.56	3/4	1,659.01	3/4	1,412.47
9		9	3,379.71	9	3,133.16	9	2,886.61	9	2,640.07	9	2,393.52	9	2,146.97	9	1,900.42	9	1,653.88	9	1,407.33
1/4		1/4	3,374.57	1/4	3,128.02	1/4	2,881.48	1/4	2,634.93	1/4	2,388.38	1/4	2,141.84	1/4	1,895.29	1/4	1,648.74	1/4	1,402.19
1/2		1/2	3,369.43	1/2	3,122.89	1/2	2,876.34	1/2	2,629.79	1/2	2,383.25	1/2	2,136.70	1/2	1,890.15	1/2	1,643.60	1/2	1,397.06
3/4		3/4	3,364.30	3/4	3,117.75	3/4	2,871.20	3/4	2,624.66	3/4	2,378.11	3/4	2,131.56	3/4	1,885.02	3/4	1,638.47	3/4	1,391.92
10		10	3,359.16	10	3,112.61	10	2,866.07	10	2,619.52	10	2,372.97	10	2,126.43	10	1,879.88	10	1,633.33	10	1,386.78
1/4		1/4	3,354.03	1/4	3,107.48	1/4	2,860.93	1/4	2,614.38	1/4	2,367.84	1/4	2,121.29	1/4	1,874.74	1/4	1,628.20	1/4	1,381.65
1/2		1/2	3,348.89	1/2	3,102.34	1/2	2,855.79	1/2	2,609.25	1/2	2,362.70	1/2	2,116.15	1/2	1,869.61	1/2	1,623.06	1/2	1,376.51
3/4		3/4	3,343.75	3/4	3,097.21	3/4	2,850.66	3/4	2,604.11	3/4	2,357.56	3/4	2,111.02	3/4	1,864.47	3/4	1,617.92	3/4	1,371.38
11	3,554.09	11	3,338.62	11	3,092.07	11	2,845.52	11	2,598.97	11	2,352.43	11	2,105.88	11	1,859.33	11	1,612.79	11	1,366.24
1/4	3,553.24	1/4	3,333.48	1/4	3,086.93	1/4	2,840.39	1/4	2,593.84	1/4	2,347.29	1/4	2,100.74	1/4	1,854.20	1/4	1,607.65	1/4	1,361.10
1/2	3,552.38	1/2	3,328.34	1/2	3,081.80	1/2	2,835.25	1/2	2,588.70	1/2	2,342.15	1/2	2,095.61	1/2	1,849.06	1/2	1,602.51	1/2	1,355.97
3/4	3,551.53	3/4	3,323.21	3/4	3,076.66	3/4	2,830.11	3/4	2,583.57	3/4	2,337.02	3/4	2,090.47	3/4	1,843.92	3/4	1,597.38	3/4	1,350.83

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 AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "FMT 1422"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

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	1,345.69	0	1,099.15	0	852.60	0	606.55	0	360.01	0	113.47	0		0		0		0	
1/4	1,340.56	1/4	1,094.01	1/4	847.46	1/4	601.41	1/4	354.87	1/4	108.34	1/4		1/4		1/4		1/4	
1/2	1,335.42	1/2	1,088.87	1/2	842.33	1/2	596.27	1/2	349.74	1/2	103.20	1/2		1/2		1/2		1/2	
3/4	1,330.28	3/4	1,083.74	3/4	837.19	3/4	591.14	3/4	344.60	3/4	98.06	3/4		3/4		3/4		3/4	
1	1,325.15	1	1,078.60	1	832.05	1	586.00	1	339.46	1	92.93	1		1		1		1	
1/4	1,320.01	1/4	1,073.46	1/4	826.92	1/4	580.87	1/4	334.33	1/4	87.79	1/4		1/4		1/4		1/4	
1/2	1,314.87	1/2	1,068.33	1/2	821.78	1/2	575.73	1/2	329.19	1/2	82.66	1/2		1/2		1/2		1/2	
3/4	1,309.74	3/4	1,063.19	3/4	816.64	3/4	570.59	3/4	324.06	3/4	77.52	3/4		3/4		3/4		3/4	
2	1,304.60	2	1,058.05	2	811.51	2	565.46	2	318.92	2	72.39	2		2		2		2	
1/4	1,299.47	1/4	1,052.92	1/4	806.38	1/4	560.32	1/4	313.78	1/4	67.26	1/4		1/4		1/4		1/4	
1/2	1,294.33	1/2	1,047.78	1/2	801.25	1/2	555.18	1/2	308.65	1/2	62.14	1/2		1/2		1/2		1/2	
3/4	1,289.19	3/4	1,042.65	3/4	796.12	3/4	550.05	3/4	303.51	3/4	57.02	3/4		3/4		3/4		3/4	
3	1,284.06	3	1,037.51	3	791.00	3	544.91	3	298.37	3	51.89	3		3		3		3	
1/4	1,278.92	1/4	1,032.37	1/4	785.87	1/4	539.78	1/4	293.24	1/4	46.80	1/4		1/4		1/4		1/4	
1/2	1,273.78	1/2	1,027.24	1/2	780.75	1/2	534.64	1/2	288.10	1/2	41.71	1/2		1/2		1/2		1/2	
3/4	1,268.65	3/4	1,022.10	3/4	775.63	3/4	529.50	3/4	282.97	3/4	36.62	3/4		3/4		3/4		3/4	
4	1,263.51	4	1,016.96	4	770.50	4	524.37	4	277.83	4	31.53	4		4		4		4	
1/4	1,258.37	1/4	1,011.83	1/4	765.38	1/4	519.23	1/4	272.69	1/4	27.25	1/4		1/4		1/4		1/4	
1/2	1,253.24	1/2	1,006.69	1/2	760.26	1/2	514.09	1/2	267.56	1/2	22.97	1/2		1/2		1/2		1/2	
3/4	1,248.10	3/4	1,001.55	3/4	755.13	3/4	508.96	3/4	262.42	3/4	18.69	3/4		3/4		3/4		3/4	
5	1,242.97	5	996.42	5	750.01	5	503.82	5	257.28	5	14.42	5		5		5		5	
1/4	1,237.83	1/4	991.28	1/4	744.89	1/4	498.69	1/4	252.15	1/4	11.85	1/4		1/4		1/4		1/4	
1/2	1,232.69	1/2	986.15	1/2	739.77	1/2	493.55	1/2	247.01	1/2	9.28	1/2		1/2		1/2		1/2	
3/4	1,227.56	3/4	981.01	3/4	734.64	3/4	488.41	3/4	241.88	3/4	6.71	3/4		3/4		3/4		3/4	
6	1,222.42	6	975.87	6	729.52	6	483.28	6	236.74	6	4.15	6		6		6		6	
1/4	1,217.28	1/4	970.74	1/4	724.40	1/4	478.14	1/4	231.60	1/4	3.29	1/4		1/4		1/4		1/4	
1/2	1,212.15	1/2	965.60	1/2	719.27	1/2	473.01	1/2	226.47	1/2	2.44	1/2		1/2		1/2		1/2	
3/4	1,207.01	3/4	960.46	3/4	714.15	3/4	467.87	3/4	221.33	3/4	1.58	3/4		3/4		3/4		3/4	
7	1,201.87	7	955.33	7	709.03	7	462.73	7	216.20	7	0.73	7		7		7		7	
1/4	1,196.74	1/4	950.19	1/4	703.90	1/4	457.60	1/4	211.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,191.60	1/2	945.05	1/2	698.78	1/2	452.46	1/2	205.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,186.46	3/4	939.92	3/4	693.66	3/4	447.32	3/4	200.79	3/4		3/4		3/4		3/4		3/4	
8	1,181.33	8	934.78	8	688.53	8	442.19	8	195.65	8		8		8		8		8	
1/4	1,176.19	1/4	929.64	1/4	683.41	1/4	437.05	1/4	190.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,171.06	1/2	924.51	1/2	678.29	1/2	431.92	1/2	185.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,165.92	3/4	919.37	3/4	673.16	3/4	426.78	3/4	180.24	3/4		3/4		3/4		3/4		3/4	
9	1,160.78	9	914.24	9	668.04	9	421.64	9	175.11	9		9		9		9		9	
1/4	1,155.65	1/4	909.10	1/4	662.92	1/4	416.51	1/4	169.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,150.51	1/2	903.96	1/2	657.80	1/2	411.37	1/2	164.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,145.37	3/4	898.83	3/4	652.67	3/4	406.23	3/4	159.70	3/4		3/4		3/4		3/4		3/4	
10	1,140.24	10	893.69	10	647.55	10	401.10	10	154.56	10		10		10		10		10	
1/4	1,135.10	1/4	888.55	1/4	642.43	1/4	395.96	1/4	149.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,129.96	1/2	883.42	1/2	637.30	1/2	390.83	1/2	144.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,124.83	3/4	878.28	3/4	632.18	3/4	385.69	3/4	139.15	3/4		3/4		3/4		3/4		3/4	
11	1,119.69	11	873.14	11	627.06	11	380.55	11	134.02	11		11		11		11		11	
1/4	1,114.56	1/4	868.01	1/4	621.93	1/4	375.42	1/4	128.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,109.42	1/2	862.87	1/2	616.80	1/2	370.28	1/2	123.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,104.28	3/4	857.74	3/4	611.67	3/4	365.15	3/4	118.61	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2019 CL  
CALCULATED: 12/11/2019 CL  
PRINTED: 12/11/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

PRECISION MEASUREMENT  
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