



BARGE: FMT 1094

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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
2 CENTER	- 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
3 CENTER	- 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

(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 - 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 7/8'

LENGTH BETWEEN DRAFT MARKS: 138'-00"

November 16, 2018



BARGE: FMT 1094

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

REFERENCE GAUGE HEIGHT: 16'-02 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.
0	2.77	0	259.61	0	533.98	0	802.64	0	1,073.71	0	1,347.25	0	1,620.78	0	1,894.31	0	2,167.68	0	2,441.25	0	2,714.97	0	2,988.68	0	3,243.74	0	3,490.46	0	3,737.19	0	

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 29'-00" FORWARD OF AFT BULKHEAD.

DATE STRAPPED: 11/15/2018 SW
 DATE COMPUTED: 11/15/2018 CL
 DATE ISSUED: 11/16/2018 CL

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





BARGE: FMT 1094

3 CENTER INNGAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

REFERENCE GAUGE HEIGHT: 16'-02 1/2"

Table with 26 columns (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., IN, 10 FT., IN, 11 FT., IN, 12 FT., IN, 13 FT., IN, 14 FT., IN, 15 FT.) and 26 rows of capacity data.

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 INNGAGE GAUGES TAKEN AT 2" DIAMETER "HERMETIC" VALVE. GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 28'-06" FORWARD OF AFT BULKHEAD.

DATE STRAPPED: 11/15/2018 SW
DATE COMPUTED: 11/15/2018 CL
DATE ISSUED: 11/16/2018 CL

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





BARGE: FMT 1094

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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
2 CENTER	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
3 CENTER	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

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

LENGTH BETWEEN DRAFT MARKS: 138'-00"

November 16, 2018



BARGE: FMT 1094

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

REFERENCE GAUGE HEIGHT: 16'-02 1/2"

Table with columns for IN, 1 FT., 2 FT., 3 FT., 4 FT., 5 FT., 6 FT., 7 FT., 8 FT., 9 FT., 10 FT., 11 FT., 12 FT., 13 FT., 14 FT., 15 FT., 16 FT. and rows for various levels (0, 1/4, 1/2, 3/4, 1, 2, 3, 4, 5, 7, 8, 9, 10, 11).

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 28'-09" FORWARD OF AFT BULKHEAD.

DATE STRAPPED: 11/15/2018 SW
DATE COMPUTED: 11/15/2018 CL
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CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.
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http://www.pmacorp.net

Signature of PMA representative



BARGE: FMT 1094

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

REFERENCE GAUGE HEIGHT: 16'-02 1/2"

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.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.
0	0	0	3,506.54	0	3,506.54	0	3,010.99	0	2,763.21	0	2,515.44	0	2,267.66	0	2,019.88	0	1,772.11	0	1,524.33	0	1,276.56	0	1,028.78	0	781.05	0	533.88	0	286.11	0	38.94
1/4	1/4	1/4	3,501.38	1/4	3,253.60	1/4	3,005.83	1/4	2,758.05	1/4	2,510.27	1/4	2,262.50	1/4	2,014.72	1/4	1,766.95	1/4	1,519.17	1/4	1,271.39	1/4	1,023.62	1/4	775.90	1/4	528.72	1/4	280.95	1/4	33.88
1/2	1/2	1/2	3,496.22	1/2	3,248.44	1/2	3,000.66	1/2	2,752.89	1/2	2,505.11	1/2	2,257.34	1/2	2,009.56	1/2	1,761.78	1/2	1,514.01	1/2	1,266.23	1/2	1,018.46	1/2	770.75	1/2	523.55	1/2	275.79	1/2	28.81
3/4	3/4	3/4	3,491.05	3/4	3,243.28	3/4	2,995.50	3/4	2,747.73	3/4	2,499.95	3/4	2,252.17	3/4	2,004.40	3/4	1,756.62	3/4	1,508.85	3/4	1,261.07	3/4	1,013.29	3/4	765.61	3/4	518.39	3/4	270.63	3/4	24.51
1	1	1	3,485.89	1	3,238.12	1	2,990.34	1	2,742.56	1	2,494.79	1	2,247.01	1	1,999.24	1	1,751.46	1	1,503.68	1	1,255.91	1	1,008.13	1	760.47	1	513.23	1	265.46	1	20.20
1/4	1/4	1/4	3,480.73	1/4	3,232.95	1/4	2,985.18	1/4	2,737.40	1/4	2,489.63	1/4	2,241.85	1/4	1,994.07	1/4	1,746.30	1/4	1,498.52	1/4	1,250.75	1/4	1,002.97	1/4	755.32	1/4	508.07	1/4	260.30	1/4	15.89
1/2	1/2	1/2	3,475.57	1/2	3,227.79	1/2	2,980.02	1/2	2,732.24	1/2	2,484.46	1/2	2,236.69	1/2	1,988.91	1/2	1,741.14	1/2	1,493.36	1/2	1,245.58	1/2	997.81	1/2	750.18	1/2	502.91	1/2	255.14	1/2	11.58
3/4	3/4	3/4	3,470.41	3/4	3,222.63	3/4	2,974.85	3/4	2,727.08	3/4	2,479.30	3/4	2,231.53	3/4	1,983.75	3/4	1,735.97	3/4	1,488.20	3/4	1,240.42	3/4	992.65	3/4	745.04	3/4	497.75	3/4	249.98	3/4	9.33
2	2	2	3,465.24	2	3,217.47	2	2,969.69	2	2,721.92	2	2,474.14	2	2,226.36	2	1,978.59	2	1,730.81	2	1,483.04	2	1,235.26	2	987.48	2	739.89	2	492.58	2	244.82	2	7.07
1/4	1/4	1/4	3,460.08	1/4	3,212.31	1/4	2,964.53	1/4	2,716.75	1/4	2,468.98	1/4	2,221.20	1/4	1,973.43	1/4	1,725.65	1/4	1,477.87	1/4	1,230.10	1/4	982.32	1/4	734.75	1/4	487.42	1/4	239.66	1/4	4.82
1/2	1/2	1/2	3,454.92	1/2	3,207.14	1/2	2,959.37	1/2	2,711.59	1/2	2,463.82	1/2	2,216.04	1/2	1,968.26	1/2	1,720.49	1/2	1,472.71	1/2	1,224.94	1/2	977.16	1/2	729.61	1/2	482.26	1/2	234.49	1/2	2.56
3/4	3/4	3/4	3,449.76	3/4	3,201.98	3/4	2,954.21	3/4	2,706.43	3/4	2,458.65	3/4	2,210.88	3/4	1,963.10	3/4	1,715.33	3/4	1,467.55	3/4	1,219.77	3/4	972.00	3/4	724.46	3/4	477.10	3/4	229.33	3/4	
3	3	3	3,444.60	3	3,196.82	3	2,949.04	3	2,701.27	3	2,453.49	3	2,205.72	3	1,957.94	3	1,710.16	3	1,462.39	3	1,214.61	3	966.84	3	719.32	3	471.94	3	224.17	3	
1/4	1/4	1/4	3,439.43	1/4	3,191.66	1/4	2,943.88	1/4	2,696.11	1/4	2,448.33	1/4	2,200.55	1/4	1,952.78	1/4	1,705.00	1/4	1,457.23	1/4	1,209.45	1/4	961.67	1/4	714.18	1/4	466.77	1/4	219.01	1/4	
1/2	1/2	1/2	3,434.27	1/2	3,186.50	1/2	2,938.72	1/2	2,690.94	1/2	2,443.17	1/2	2,195.39	1/2	1,947.62	1/2	1,699.84	1/2	1,452.06	1/2	1,204.29	1/2	956.51	1/2	709.03	1/2	461.61	1/2	213.85	1/2	
3/4	3/4	3/4	3,429.11	3/4	3,181.33	3/4	2,933.56	3/4	2,685.78	3/4	2,438.01	3/4	2,190.23	3/4	1,942.45	3/4	1,694.68	3/4	1,446.90	3/4	1,199.13	3/4	951.35	3/4	703.89	3/4	456.45	3/4	208.68	3/4	
4	4	4	3,423.95	4	3,176.17	4	2,928.40	4	2,680.62	4	2,432.84	4	2,185.07	4	1,937.29	4	1,689.52	4	1,441.74	4	1,193.96	4	946.19	4	698.74	4	451.29	4	203.52	4	
1/4	1/4	1/4	3,418.79	1/4	3,171.01	1/4	2,923.23	1/4	2,675.46	1/4	2,427.68	1/4	2,179.91	1/4	1,932.13	1/4	1,684.35	1/4	1,436.58	1/4	1,188.80	1/4	941.03	1/4	693.60	1/4	446.13	1/4	198.36	1/4	
1/2	1/2	1/2	3,413.62	1/2	3,165.85	1/2	2,918.07	1/2	2,670.30	1/2	2,422.52	1/2	2,174.74	1/2	1,926.97	1/2	1,679.19	1/2	1,431.42	1/2	1,183.64	1/2	935.86	1/2	688.46	1/2	440.97	1/2	193.20	1/2	
3/4	3/4	3/4	3,408.46	3/4	3,160.69	3/4	2,912.91	3/4	2,665.13	3/4	2,417.36	3/4	2,169.58	3/4	1,921.81	3/4	1,674.03	3/4	1,426.25	3/4	1,178.48	3/4	930.70	3/4	683.31	3/4	435.80	3/4	188.04	3/4	
5	5	5	3,403.30	5	3,155.52	5	2,907.75	5	2,659.97	5	2,412.20	5	2,164.42	5	1,916.64	5	1,668.87	5	1,421.09	5	1,173.32	5	925.54	5	678.17	5	430.64	5	182.88	5	
1/4	1/4	1/4	3,398.14	1/4	3,150.36	1/4	2,902.59	1/4	2,654.81	1/4	2,407.03	1/4	2,159.26	1/4	1,911.48	1/4	1,663.71	1/4	1,415.93	1/4	1,168.15	1/4	920.38	1/4	673.03	1/4	425.48	1/4	177.71	1/4	
1/2	1/2	1/2	3,392.98	1/2	3,145.20	1/2	2,897.42	1/2	2,649.65	1/2	2,401.87	1/2	2,154.10	1/2	1,906.32	1/2	1,658.54	1/2	1,410.77	1/2	1,162.99	1/2	915.22	1/2	667.88	1/2	420.32	1/2	172.55	1/2	
3/4	3/4	3/4	3,387.81	3/4	3,140.04	3/4	2,892.26	3/4	2,644.49	3/4	2,396.71	3/4	2,148.93	3/4	1,901.16	3/4	1,653.38	3/4	1,405.61	3/4	1,157.83	3/4	910.05	3/4	662.74	3/4	415.16	3/4	167.39	3/4	
6	6	6	3,382.65	6	3,134.88	6	2,887.10	6	2,639.32	6	2,391.55	6	2,143.77	6	1,896.00	6	1,648.22	6	1,400.44	6	1,152.67	6	904.89	6	657.60	6	409.99	6	162.23	6	
1/4	1/4	1/4	3,600.79	1/4	3,377.49	1/4	3,129.71	1/4	2,881.94	1/4	2,634.16	1/4	2,386.39	1/4	2,138.61	1/4	1,890.83	1/4	1,643.06	1/4	1,395.28	1/4	1,147.51	1/4	899.73	1/4	652.45	1/4	404.83	1/4	157.07
1/2	1/2	1/2	3,599.93	1/2	3,372.33	1/2	3,124.55	1/2	2,876.78	1/2	2,629.00	1/2	2,381.22	1/2	2,133.45	1/2	1,885.67	1/2	1,637.90	1/2	1,390.12	1/2	1,142.34	1/2	894.57	1/2	647.31	1/2	399.67	1/2	151.90
3/4	3/4	3/4	3,597.99	3/4	3,367.17	3/4	3,119.39	3/4	2,871.61	3/4	2,623.84	3/4	2,376.06	3/4	2,128.29	3/4	1,880.51	3/4	1,632.73	3/4	1,384.96	3/4	1,137.18	3/4	889.41	3/4	642.17	3/4	394.51	3/4	146.74
7	7	7	3,596.06	7	3,362.00	7	3,114.23	7	2,866.45	7	2,618.68	7	2,370.90	7	2,123.12	7	1,875.35	7	1,627.57	7	1,379.80	7	1,132.02	7	884.24	7	637.02	7	389.35	7	141.58
1/4	1/4	1/4	3,594.12	1/4	3,356.84	1/4	3,109.07	1/4	2,861.29	1/4	2,613.51	1/4	2,365.74	1/4	2,117.96	1/4	1,870.19	1/4	1,622.41	1/4	1,374.63	1/4	1,126.86	1/4	879.08	1/4	631.88	1/4	384.19	1/4	136.42
1/2	1/2	1/2	3,592.18	1/2	3,351.68	1/2	3,103.90	1/2	2,856.13	1/2	2,608.35	1/2	2,360.58	1/2	2,112.80	1/2	1,865.02	1/2	1,617.25	1/2	1,369.47	1/2	1,121.70	1/2	873.92	1/2	626.74	1/2	379.02	1/2	131.26
3/4	3/4	3/4	3,588.53	3/4	3,346.52	3/4	3,098.74	3/4	2,850.97	3/4	2,603.19	3/4	2,355.41	3/4	2,107.64	3/4	1,859.86	3/4	1,612.09	3/4	1,364.31	3/4	1,116.53	3/4	868.76	3/4	621.59	3/4	373.86	3/4	126.10
8	8	8	3,584.87	8	3,341.36	8	3,093.58	8	2,845.80	8	2,598.03	8	2,350.25	8	2,102.48	8	1,854.70	8	1,606.92	8	1,359.15	8	1,111.37	8	863.60	8	616.44	8	368.70	8	120.94
1/4	1/4	1/4	3,581.21	1/4	3,336.19	1/4	3,088.42	1/4	2,840.64	1/4	2,592.87	1/4	2,345.09	1/4	2,097.31	1/4	1,849.54	1/4	1,601.76	1/4	1,353.99	1/4	1,106.21	1/4	858.43	1/4	611.28	1/4	363.54	1/4	115.79
1/2	1/2	1/2	3,577.55	1/2	3,331.03	1/2	3,083.26	1/2	2,835.48	1/2	2,587.70	1/2	2,339.93	1/2	2,092.15	1/2	1,844.38	1/2	1,596.60	1/2	1,348.82	1/2	1,101.05	1/2	853.27	1/2	606.13	1/2	358.38	1/2	110.63
3/4	3/4	3/4	3,572.70	3/4	3,325.87	3/4	3,078.09	3/4	2,830.32	3/4	2,582.54	3/4	2,334.77	3/4	2,086.99	3/4	1,839.21	3/4	1,591.44	3/4	1,343.66	3/4	1,095.89	3/4	848.11	3/4	600.97	3/4	353.21	3/4	105.48
9	9	9	3,567.85	9	3,320.71	9	3,072.93	9	2,825.16	9	2,577.38	9	2,329.60	9	2,081.83	9	1,834.05	9	1,586.28	9	1,338.50	9	1,090.72	9	842.95	9	595.82	9	348.05	9	100.33
1/4	1/4	1/4	3,563.01	1/4	3,315.55	1/4	3,067.77	1/4	2,819.99	1/4	2,572.22	1/4	2,324.44	1/4	2,076.67	1/4	1,828.89	1/4	1,581.11	1/4	1,333.34	1/4	1,085.56	1							