



BARGE CBC 1119 (ex: E2MS 107)

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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
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	01-1/8	- 01-1/8

(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)

LENGTH BETWEEN DRAFT MARKS: 163'-09"

August 1, 2019

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"



BARGE CBC 1119 (ex: E2MS 107)

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	4.08	0	220.57	0	468.30	0	712.65	0	956.71	0	1,203.69	0	1,450.67	0	1,697.64	0	1,943.91	0	2,190.96
1/4	4.82	1/4	225.73	1/4	473.46	1/4	717.64	1/4	961.85	1/4	1,208.83	1/4	1,455.81	1/4	1,702.67	1/4	1,949.06	1/4	2,196.11
1/2	5.78	1/2	230.90	1/2	478.62	1/2	722.63	1/2	967.00	1/2	1,213.98	1/2	1,460.96	1/2	1,707.80	1/2	1,954.21	1/2	2,201.25
3/4	6.64	3/4	236.06	3/4	483.78	3/4	727.62	3/4	972.14	3/4	1,219.12	3/4	1,466.10	3/4	1,712.83	3/4	1,959.35	3/4	2,206.40
1	7.50	1	241.22	1	488.95	1	732.60	1	977.29	1	1,224.27	1	1,471.25	1	1,718.06	1	1,964.50	1	2,211.55
1 1/4	10.08	1 1/4	246.38	1 1/4	494.11	1 1/4	737.59	1 1/4	982.44	1 1/4	1,229.41	1 1/4	1,476.39	1 1/4	1,723.19	1 1/4	1,969.65	1 1/4	2,216.69
1 1/2	12.66	1 1/2	251.54	1 1/2	499.27	1 1/2	742.58	1 1/2	987.56	1 1/2	1,234.56	1 1/2	1,481.54	1 1/2	1,728.32	1 1/2	1,974.79	1 1/2	2,221.84
1 3/4	15.24	1 3/4	256.70	1 3/4	504.43	1 3/4	747.57	1 3/4	992.73	1 3/4	1,239.71	1 3/4	1,486.68	1 3/4	1,733.45	1 3/4	1,979.94	1 3/4	2,226.99
2	17.82	2	261.86	2	509.59	2	752.56	2	997.87	2	1,244.85	2	1,491.83	2	1,738.58	2	1,985.09	2	2,232.13
2 1/4	22.12	2 1/4	267.02	2 1/4	514.75	2 1/4	757.55	2 1/4	1,003.02	2 1/4	1,250.00	2 1/4	1,496.97	2 1/4	1,743.71	2 1/4	1,990.23	2 1/4	2,237.28
2 1/2	26.41	2 1/2	272.18	2 1/2	519.91	2 1/2	762.54	2 1/2	1,008.16	2 1/2	1,255.14	2 1/2	1,502.11	2 1/2	1,748.84	2 1/2	1,995.38	2 1/2	2,242.43
2 3/4	30.71	2 3/4	277.34	2 3/4	525.07	2 3/4	767.53	2 3/4	1,013.31	2 3/4	1,260.29	2 3/4	1,507.25	2 3/4	1,753.97	2 3/4	2,000.53	2 3/4	2,247.57
3	35.01	3	282.51	3	530.23	3	772.52	3	1,018.45	3	1,265.43	3	1,512.40	3	1,759.10	3	2,005.67	3	2,252.72
3 1/4	40.13	3 1/4	287.67	3 1/4	535.39	3 1/4	777.54	3 1/4	1,023.60	3 1/4	1,270.58	3 1/4	1,517.54	3 1/4	1,764.23	3 1/4	2,010.82	3 1/4	2,257.87
3 1/2	45.24	3 1/2	292.83	3 1/2	540.56	3 1/2	782.55	3 1/2	1,028.74	3 1/2	1,275.72	3 1/2	1,522.68	3 1/2	1,769.36	3 1/2	2,015.97	3 1/2	2,263.01
3 3/4	50.36	3 3/4	297.99	3 3/4	545.72	3 3/4	787.56	3 3/4	1,033.89	3 3/4	1,280.87	3 3/4	1,527.82	3 3/4	1,774.49	3 3/4	2,021.11	3 3/4	2,268.16
4	55.48	4	303.15	4	550.88	4	792.57	4	1,039.03	4	1,286.01	4	1,532.96	4	1,779.62	4	2,026.26	4	2,273.31
4 1/4	60.62	4 1/4	308.31	4 1/4	556.04	4 1/4	797.59	4 1/4	1,044.18	4 1/4	1,291.16	4 1/4	1,538.10	4 1/4	1,784.75	4 1/4	2,031.41	4 1/4	2,278.45
4 1/2	65.77	4 1/2	313.47	4 1/2	561.20	4 1/2	802.61	4 1/2	1,049.33	4 1/2	1,296.30	4 1/2	1,543.25	4 1/2	1,789.88	4 1/2	2,036.56	4 1/2	2,283.60
4 3/4	70.92	4 3/4	318.63	4 3/4	566.36	4 3/4	807.62	4 3/4	1,054.47	4 3/4	1,301.45	4 3/4	1,548.39	4 3/4	1,795.01	4 3/4	2,041.70	4 3/4	2,288.75
5	76.07	5	323.79	5	571.52	5	812.64	5	1,059.62	5	1,306.60	5	1,553.53	5	1,800.14	5	2,046.85	5	2,293.90
5 1/4	81.23	5 1/4	328.95	5 1/4	576.67	5 1/4	817.78	5 1/4	1,064.76	5 1/4	1,311.74	5 1/4	1,558.67	5 1/4	1,805.27	5 1/4	2,052.00	5 1/4	2,299.04
5 1/2	86.39	5 1/2	334.12	5 1/2	581.83	5 1/2	822.93	5 1/2	1,069.91	5 1/2	1,316.89	5 1/2	1,563.81	5 1/2	1,810.40	5 1/2	2,057.14	5 1/2	2,304.19
5 3/4	91.55	5 3/4	339.28	5 3/4	586.98	5 3/4	828.07	5 3/4	1,075.05	5 3/4	1,322.03	5 3/4	1,568.95	5 3/4	1,815.53	5 3/4	2,062.29	5 3/4	2,309.34
6	96.71	6	344.44	6	592.13	6	833.22	6	1,080.20	6	1,327.18	6	1,574.10	6	1,820.66	6	2,067.44	6	2,314.48
6 1/4	101.87	6 1/4	349.60	6 1/4	597.28	6 1/4	838.36	6 1/4	1,085.34	6 1/4	1,332.32	6 1/4	1,579.24	6 1/4	1,825.79	6 1/4	2,072.58	6 1/4	2,319.63
6 1/2	107.03	6 1/2	354.76	6 1/2	602.44	6 1/2	843.51	6 1/2	1,090.49	6 1/2	1,337.47	6 1/2	1,584.38	6 1/2	1,830.92	6 1/2	2,077.73	6 1/2	2,324.78
6 3/4	112.19	6 3/4	359.92	6 3/4	607.59	6 3/4	848.65	6 3/4	1,095.63	6 3/4	1,342.61	6 3/4	1,589.52	6 3/4	1,836.05	6 3/4	2,082.88	6 3/4	2,329.92
7	117.35	7	365.08	7	612.74	7	853.80	7	1,100.78	7	1,347.76	7	1,594.66	7	1,841.18	7	2,088.02	7	2,335.07
7 1/4	122.51	7 1/4	370.24	7 1/4	617.75	7 1/4	858.95	7 1/4	1,105.92	7 1/4	1,352.90	7 1/4	1,599.80	7 1/4	1,846.31	7 1/4	2,093.17	7 1/4	2,340.21
7 1/2	127.67	7 1/2	375.40	7 1/2	622.75	7 1/2	864.09	7 1/2	1,111.07	7 1/2	1,358.05	7 1/2	1,604.94	7 1/2	1,851.44	7 1/2	2,098.32	7 1/2	2,345.35
7 3/4	132.83	7 3/4	380.56	7 3/4	627.76	7 3/4	869.24	7 3/4	1,116.22	7 3/4	1,363.19	7 3/4	1,610.09	7 3/4	1,856.57	7 3/4	2,103.46	7 3/4	2,350.49
8	137.99	8	385.73	8	632.78	8	874.38	8	1,121.36	8	1,368.34	8	1,615.23	8	1,861.70	8	2,108.61	8	2,355.64
8 1/4	143.16	8 1/4	390.89	8 1/4	637.76	8 1/4	879.53	8 1/4	1,126.51	8 1/4	1,373.49	8 1/4	1,620.37	8 1/4	1,866.83	8 1/4	2,113.76	8 1/4	2,360.78
8 1/2	148.32	8 1/2	396.05	8 1/2	642.78	8 1/2	884.67	8 1/2	1,131.65	8 1/2	1,378.63	8 1/2	1,625.52	8 1/2	1,871.96	8 1/2	2,118.90	8 1/2	2,365.92
8 3/4	153.48	8 3/4	401.21	8 3/4	647.77	8 3/4	889.82	8 3/4	1,136.80	8 3/4	1,383.78	8 3/4	1,630.66	8 3/4	1,877.09	8 3/4	2,124.05	8 3/4	2,371.06
9	158.64	9	406.37	9	652.77	9	894.96	9	1,141.94	9	1,388.92	9	1,635.81	9	1,882.22	9	2,129.20	9	2,376.20
9 1/4	163.80	9 1/4	411.53	9 1/4	657.76	9 1/4	900.11	9 1/4	1,147.09	9 1/4	1,394.07	9 1/4	1,640.95	9 1/4	1,887.35	9 1/4	2,134.34	9 1/4	2,381.34
9 1/2	168.96	9 1/2	416.69	9 1/2	662.75	9 1/2	905.25	9 1/2	1,152.23	9 1/2	1,399.21	9 1/2	1,646.09	9 1/2	1,892.48	9 1/2	2,139.49	9 1/2	2,386.48
9 3/4	174.12	9 3/4	421.85	9 3/4	667.74	9 3/4	910.40	9 3/4	1,157.38	9 3/4	1,404.36	9 3/4	1,651.24	9 3/4	1,897.61	9 3/4	2,144.64	9 3/4	2,391.63
10	179.28	10	427.01	10	672.73	10	915.54	10	1,162.52	10	1,409.50	10	1,656.38	10	1,902.74	10	2,149.78	10	2,396.77
10 1/4	184.44	10 1/4	432.17	10 1/4	677.72	10 1/4	920.69	10 1/4	1,167.67	10 1/4	1,414.65	10 1/4	1,661.53	10 1/4	1,907.89	10 1/4	2,154.93	10 1/4	2,401.91
10 1/2	189.61	10 1/2	437.34	10 1/2	682.71	10 1/2	925.84	10 1/2	1,172.81	10 1/2	1,419.79	10 1/2	1,666.67	10 1/2	1,913.03	10 1/2	2,160.08	10 1/2	2,407.05
10 3/4	194.77	10 3/4	442.50	10 3/4	687.70	10 3/4	930.98	10 3/4	1,177.96	10 3/4	1,424.94	10 3/4	1,671.82	10 3/4	1,918.18	10 3/4	2,165.23	10 3/4	2,412.19
11	199.93	11	447.66	11	692.69	11	936.13	11	1,183.11	11	1,430.08	11	1,676.96	11	1,923.33	11	2,170.37	11	2,417.33
11 1/4	205.09	11 1/4	452.82	11 1/4	697.68	11 1/4	941.27	11 1/4	1,188.25	11 1/4	1,435.23	11 1/4	1,682.11	11 1/4	1,928.47	11 1/4	2,175.52	11 1/4	2,422.48
11 1/2	210.25	11 1/2	457.98	11 1/2	702.67	11 1/2	946.42	11 1/2	1,193.40	11 1/2	1,440.38	11 1/2	1,687.25	11 1/2	1,933.62	11 1/2	2,180.67	11 1/2	2,427.62
11 3/4	215.41	11 3/4	463.14	11 3/4	707.66	11 3/4	951.56	11 3/4	1,198.54	11 3/4	1,445.52	11 3/4	1,692.39	11 3/4	1,938.77	11 3/4	2,185.81	11 3/4	2,432.76

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 OF 2" 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 CBC 1119 (ex: E2MS 107)

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,437.90	0	2,666.00	0	2,876.76	0	3,087.52	0	3,298.28	0		0		0		0		0	
1/4	2,443.04	1/4	2,670.39	1/4	2,881.15	1/4	3,091.91	1/4	3,302.67	1/4		1/4		1/4		1/4		1/4	
1/2	2,448.18	1/2	2,674.78	1/2	2,885.54	1/2	3,096.30	1/2	3,307.06	1/2		1/2		1/2		1/2		1/2	
3/4	2,453.32	3/4	2,679.18	3/4	2,889.93	3/4	3,100.69	3/4	3,311.45	3/4		3/4		3/4		3/4		3/4	
1	2,458.47	1	2,683.57	1	2,894.32	1	3,105.08	1	3,315.84	1		1		1		1		1	
1 1/4	2,463.61	1 1/4	2,687.96	1 1/4	2,898.72	1 1/4	3,109.47	1 1/4	3,320.23	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,468.75	1 1/2	2,692.35	1 1/2	2,903.11	1 1/2	3,113.86	1 1/2	3,324.62	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	2,473.89	1 3/4	2,696.74	1 3/4	2,907.50	1 3/4	3,118.25	1 3/4	3,329.01	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
2	2,479.03	2	2,701.13	2	2,911.89	2	3,122.65	2	3,333.40	2		2		2		2		2	
2 1/4	2,484.17	2 1/4	2,705.52	2 1/4	2,916.28	2 1/4	3,127.04	2 1/4	3,337.80	2 1/4		2 1/4		2 1/4		2 1/4		2 1/4	
2 1/2	2,489.31	2 1/2	2,709.91	2 1/2	2,920.67	2 1/2	3,131.43	2 1/2	3,342.19	2 1/2		2 1/2		2 1/2		2 1/2		2 1/2	
2 3/4	2,494.46	2 3/4	2,714.30	2 3/4	2,925.06	2 3/4	3,135.82	2 3/4	3,346.58	2 3/4		2 3/4		2 3/4		2 3/4		2 3/4	
3	2,499.60	3	2,718.69	3	2,929.45	3	3,140.21	3	3,350.97	3		3		3		3		3	
3 1/4	2,504.74	3 1/4	2,723.08	3 1/4	2,933.84	3 1/4	3,144.60	3 1/4	3,355.36	3 1/4		3 1/4		3 1/4		3 1/4		3 1/4	
3 1/2	2,509.88	3 1/2	2,727.47	3 1/2	2,938.23	3 1/2	3,148.99	3 1/2	3,359.75	3 1/2		3 1/2		3 1/2		3 1/2		3 1/2	
3 3/4	2,515.02	3 3/4	2,731.86	3 3/4	2,942.62	3 3/4	3,153.38	3 3/4	3,364.14	3 3/4		3 3/4		3 3/4		3 3/4		3 3/4	
4	2,520.16	4	2,736.25	4	2,947.01	4	3,157.77	4	3,368.53	4		4		4		4		4	
4 1/4	2,525.29	4 1/4	2,740.65	4 1/4	2,951.40	4 1/4	3,162.16	4 1/4	3,372.93	4 1/4		4 1/4		4 1/4		4 1/4		4 1/4	
4 1/2	2,530.42	4 1/2	2,745.04	4 1/2	2,955.80	4 1/2	3,166.55	4 1/2	3,377.32	4 1/2		4 1/2		4 1/2		4 1/2		4 1/2	
4 3/4	2,535.56	4 3/4	2,749.43	4 3/4	2,960.19	4 3/4	3,170.94	4 3/4	3,381.71	4 3/4		4 3/4		4 3/4		4 3/4		4 3/4	
5	2,540.69	5	2,753.82	5	2,964.58	5	3,175.34	5	3,386.10	5		5		5		5		5	
5 1/4	2,545.83	5 1/4	2,758.21	5 1/4	2,968.97	5 1/4	3,179.73	5 1/4	3,390.49	5 1/4		5 1/4		5 1/4		5 1/4		5 1/4	
5 1/2	2,550.96	5 1/2	2,762.60	5 1/2	2,973.36	5 1/2	3,184.12	5 1/2	3,394.88	5 1/2		5 1/2		5 1/2		5 1/2		5 1/2	
5 3/4	2,556.09	5 3/4	2,766.99	5 3/4	2,977.75	5 3/4	3,188.51	5 3/4	3,399.27	5 3/4		5 3/4		5 3/4		5 3/4		5 3/4	
6	2,561.22	6	2,771.38	6	2,982.14	6	3,192.90	6	3,403.66	6		6		6		6		6	
6 1/4	2,566.35	6 1/4	2,775.77	6 1/4	2,986.53	6 1/4	3,197.29	6 1/4	3,408.05	6 1/4		6 1/4		6 1/4		6 1/4		6 1/4	
6 1/2	2,569.89	6 1/2	2,780.16	6 1/2	2,990.92	6 1/2	3,201.68	6 1/2	3,408.22	6 1/2		6 1/2		6 1/2		6 1/2		6 1/2	
6 3/4	2,574.24	6 3/4	2,784.55	6 3/4	2,995.31	6 3/4	3,206.07	6 3/4	3,410.80	6 3/4		6 3/4		6 3/4		6 3/4		6 3/4	
7	2,578.60	7	2,788.95	7	2,999.70	7	3,210.46	7	3,413.38	7		7		7		7		7	
7 1/4	2,582.96	7 1/4	2,793.34	7 1/4	3,004.09	7 1/4	3,214.85	7 1/4	3,414.24	7 1/4		7 1/4		7 1/4		7 1/4		7 1/4	
7 1/2	2,587.31	7 1/2	2,797.73	7 1/2	3,008.49	7 1/2	3,219.24	7 1/2	3,415.10	7 1/2		7 1/2		7 1/2		7 1/2		7 1/2	
7 3/4	2,591.67	7 3/4	2,802.12	7 3/4	3,012.88	7 3/4	3,223.63	7 3/4	3,415.96	7 3/4		7 3/4		7 3/4		7 3/4		7 3/4	
8	2,596.03	8	2,806.51	8	3,017.27	8	3,228.03	8	3,418.82	8		8		8		8		8	
8 1/4	2,600.38	8 1/4	2,810.90	8 1/4	3,021.66	8 1/4	3,232.42	8 1/4		8 1/4		8 1/4		8 1/4		8 1/4		8 1/4	
8 1/2	2,604.74	8 1/2	2,815.29	8 1/2	3,026.05	8 1/2	3,236.81	8 1/2		8 1/2		8 1/2		8 1/2		8 1/2		8 1/2	
8 3/4	2,609.09	8 3/4	2,819.68	8 3/4	3,030.44	8 3/4	3,241.20	8 3/4		8 3/4		8 3/4		8 3/4		8 3/4		8 3/4	
9	2,613.45	9	2,824.07	9	3,034.83	9	3,245.59	9		9		9		9		9		9	
9 1/4	2,617.81	9 1/4	2,828.46	9 1/4	3,039.22	9 1/4	3,249.98	9 1/4		9 1/4		9 1/4		9 1/4		9 1/4		9 1/4	
9 1/2	2,622.16	9 1/2	2,832.85	9 1/2	3,043.61	9 1/2	3,254.37	9 1/2		9 1/2		9 1/2		9 1/2		9 1/2		9 1/2	
9 3/4	2,626.52	9 3/4	2,837.24	9 3/4	3,048.00	9 3/4	3,258.76	9 3/4		9 3/4		9 3/4		9 3/4		9 3/4		9 3/4	
10	2,630.88	10	2,841.63	10	3,052.39	10	3,263.15	10		10		10		10		10		10	
10 1/4	2,635.27	10 1/4	2,846.03	10 1/4	3,056.78	10 1/4	3,267.54	10 1/4		10 1/4		10 1/4		10 1/4		10 1/4		10 1/4	
10 1/2	2,639.66	10 1/2	2,850.42	10 1/2	3,061.17	10 1/2	3,271.93	10 1/2		10 1/2		10 1/2		10 1/2		10 1/2		10 1/2	
10 3/4	2,644.05	10 3/4	2,854.81	10 3/4	3,065.57	10 3/4	3,276.32	10 3/4		10 3/4		10 3/4		10 3/4		10 3/4		10 3/4	
11	2,648.44	11	2,859.20	11	3,069.96	11	3,280.71	11		11		11		11		11		11	
11 1/4	2,652.83	11 1/4	2,863.59	11 1/4	3,074.35	11 1/4	3,285.11	11 1/4		11 1/4		11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	2,657.22	11 1/2	2,867.98	11 1/2	3,078.74	11 1/2	3,289.50	11 1/2		11 1/2		11 1/2		11 1/2		11 1/2		11 1/2	
11 3/4	2,661.61	11 3/4	2,872.37	11 3/4	3,083.13	11 3/4	3,293.89	11 3/4		11 3/4		11 3/4		11 3/4		11 3/4		11 3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 JS
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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



BARGE CBC 1119 (ex: E2MS 107)

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0.73	240.47	514.79	785.68	1,056.59	1,330.91	1,605.24	1,879.56	2,153.89	2,428.21
1/4	1.68	248.19	520.50	791.23	1,062.30	1,336.63	1,610.95	1,885.28	2,159.60	2,433.93
1/2	2.63	251.90	526.22	796.77	1,068.02	1,342.34	1,616.67	1,890.99	2,165.32	2,439.64
3/4	3.58	257.62	531.93	802.31	1,073.73	1,348.06	1,622.38	1,896.71	2,171.03	2,445.36
1	4.53	263.33	537.65	807.86	1,079.45	1,353.77	1,628.10	1,902.42	2,176.75	2,451.07
1 1/4	7.39	269.05	543.36	813.40	1,085.16	1,359.49	1,633.81	1,908.14	2,182.46	2,456.79
1 1/2	10.25	274.76	549.08	818.94	1,090.88	1,365.20	1,639.53	1,913.85	2,188.18	2,462.50
1 3/4	13.10	280.48	554.79	824.49	1,096.59	1,370.92	1,645.24	1,919.57	2,193.89	2,468.22
2	15.96	286.19	560.51	830.03	1,102.31	1,376.63	1,650.96	1,925.28	2,199.61	2,473.93
1 1/4	20.72	291.91	566.22	835.57	1,108.02	1,382.35	1,656.67	1,931.00	2,205.32	2,479.65
1 1/2	25.48	297.62	571.94	841.11	1,113.74	1,388.06	1,662.39	1,936.71	2,211.04	2,485.36
1 3/4	30.24	303.34	577.65	846.66	1,119.45	1,393.78	1,668.10	1,942.43	2,216.75	2,491.08
3	35.00	309.05	583.37	852.20	1,125.17	1,399.49	1,673.82	1,948.14	2,222.46	2,496.79
1 1/4	40.67	314.77	589.08	857.74	1,130.88	1,405.21	1,679.53	1,953.86	2,228.18	2,502.51
1 1/2	46.33	320.48	594.80	863.29	1,136.60	1,410.92	1,685.25	1,959.57	2,233.90	2,508.22
1 3/4	52.00	326.20	600.51	868.83	1,142.31	1,416.64	1,690.98	1,965.29	2,239.61	2,513.94
4	57.66	331.91	606.23	874.37	1,148.03	1,422.35	1,696.68	1,971.00	2,245.33	2,519.65
1 1/4	63.38	337.63	611.94	879.92	1,153.74	1,428.07	1,702.39	1,976.72	2,251.04	2,525.37
1 1/2	69.06	343.34	617.66	885.47	1,159.46	1,433.78	1,708.11	1,982.43	2,256.76	2,531.08
1 3/4	74.76	349.06	623.37	891.02	1,165.17	1,439.50	1,713.82	1,988.15	2,262.47	2,536.80
6	80.46	354.77	629.09	896.56	1,170.89	1,445.21	1,719.54	1,993.86	2,268.19	2,542.51
1 1/4	86.18	360.49	634.80	902.28	1,176.60	1,450.93	1,725.25	1,999.58	2,273.90	2,548.22
1 1/2	91.89	366.20	640.52	907.99	1,182.32	1,456.64	1,730.97	2,005.29	2,279.62	2,553.94
1 3/4	97.60	371.92	646.23	913.71	1,188.03	1,462.36	1,736.68	2,011.01	2,285.33	2,559.66
8	103.32	377.63	651.95	919.42	1,193.75	1,468.07	1,742.40	2,016.72	2,291.05	2,565.37
1 1/4	109.03	383.35	657.66	925.14	1,199.46	1,473.79	1,748.11	2,022.44	2,296.76	2,571.09
1 1/2	114.75	389.06	663.38	930.86	1,205.18	1,479.50	1,753.83	2,028.15	2,302.48	2,576.80
1 3/4	120.46	394.78	669.09	936.57	1,210.90	1,485.22	1,759.54	2,033.87	2,308.19	2,582.52
7	126.18	400.49	674.81	942.29	1,216.61	1,490.93	1,765.26	2,039.58	2,313.91	2,588.23
1 1/4	131.89	406.21	680.35	948.00	1,222.33	1,496.65	1,770.97	2,045.30	2,319.62	2,593.95
1 1/2	137.61	411.92	685.90	953.72	1,228.04	1,502.37	1,776.69	2,051.01	2,325.34	2,599.66
1 3/4	143.32	417.64	691.45	959.43	1,233.76	1,508.08	1,782.40	2,056.73	2,331.05	2,605.38
8	149.03	423.35	697.00	965.15	1,239.47	1,513.80	1,788.12	2,062.44	2,336.77	2,611.09
1 1/4	154.75	429.07	702.54	970.86	1,245.19	1,519.51	1,793.84	2,068.16	2,342.48	2,616.81
1 1/2	160.46	434.78	708.08	976.58	1,250.90	1,525.23	1,799.55	2,073.88	2,348.20	2,622.52
1 3/4	166.18	440.49	713.63	982.29	1,256.62	1,530.94	1,805.27	2,079.59	2,353.91	2,628.24
9	171.89	446.21	719.17	988.01	1,262.33	1,536.66	1,810.98	2,085.31	2,359.63	2,633.95
1 1/4	177.61	451.92	724.71	993.72	1,268.05	1,542.37	1,816.70	2,091.02	2,365.35	2,639.67
1 1/2	183.32	457.64	730.25	999.44	1,273.76	1,548.09	1,822.41	2,096.74	2,371.06	2,645.39
1 3/4	189.04	463.35	735.80	1,005.15	1,279.48	1,553.80	1,828.13	2,102.45	2,376.78	2,651.10
10	194.75	469.07	741.34	1,010.87	1,285.19	1,559.52	1,833.84	2,108.17	2,382.49	2,656.82
1 1/4	200.47	474.78	746.88	1,016.58	1,290.91	1,565.23	1,839.56	2,113.88	2,388.21	2,662.53
1 1/2	206.18	480.50	752.43	1,022.30	1,296.62	1,570.95	1,845.27	2,119.60	2,393.92	2,668.25
1 3/4	211.90	486.21	757.97	1,028.01	1,302.34	1,576.66	1,850.99	2,125.31	2,399.64	2,673.96
11	217.61	491.93	763.51	1,033.73	1,308.05	1,582.38	1,856.70	2,131.03	2,405.35	2,679.68
1 1/4	223.33	497.64	769.06	1,039.44	1,313.77	1,588.09	1,862.42	2,136.74	2,411.07	2,685.39
1 1/2	229.04	503.36	774.60	1,045.16	1,319.48	1,593.81	1,868.13	2,142.46	2,416.78	2,691.11
1 3/4	234.76	509.07	780.14	1,050.87	1,325.20	1,599.52	1,873.85	2,148.17	2,422.50	2,696.82

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 OF 2" HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pasland, Texas 77689
http://www.pma-corp.net



BARGE CBC 1119 (ex: E2MS 107)

**2 CENTER
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,702.54	0	2,976.86	0	3,251.19	0	3,525.51	0	3,799.84	0	0	0	0	0	0	0	0	0	0
1/4	2,708.25	1/4	2,982.58	1/4	3,256.90	1/4	3,531.23	1/4	3,805.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,713.97	1/2	2,988.29	1/2	3,262.62	1/2	3,536.94	1/2	3,811.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,719.68	3/4	2,994.01	3/4	3,268.33	3/4	3,542.66	3/4	3,816.98	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,725.40	1	2,999.72	1	3,274.05	1	3,548.37	1	3,822.70	1	1	1	1	1	1	1	1	1	1
1 1/4	2,731.11	1 1/4	3,005.44	1 1/4	3,279.76	1 1/4	3,554.09	1 1/4	3,828.41	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,736.83	1 1/2	3,011.15	1 1/2	3,285.48	1 1/2	3,559.80	1 1/2	3,834.13	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,742.54	3/4	3,016.87	3/4	3,291.19	3/4	3,565.52	3/4	3,839.84	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,748.26	2	3,022.58	2	3,296.91	2	3,571.23	2	3,845.56	2	2	2	2	2	2	2	2	2	2
1 1/4	2,753.97	1 1/4	3,028.30	1 1/4	3,302.62	1 1/4	3,576.95	1 1/4	3,851.27	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,759.69	1 1/2	3,034.01	1 1/2	3,308.34	1 1/2	3,582.66	1 1/2	3,856.98	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,765.40	3/4	3,039.73	3/4	3,314.05	3/4	3,588.38	3/4	3,862.69	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,771.12	3	3,045.44	3	3,319.77	3	3,594.09	3	3,868.41	3	3	3	3	3	3	3	3	3	3
1 1/4	2,776.83	1 1/4	3,051.16	1 1/4	3,325.48	1 1/4	3,599.81	1 1/4	3,874.11	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,782.55	1 1/2	3,056.87	1 1/2	3,331.20	1 1/2	3,605.52	1 1/2	3,879.81	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,788.26	3/4	3,062.59	3/4	3,336.91	3/4	3,611.24	3/4	3,885.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,793.98	4	3,068.30	4	3,342.63	4	3,616.95	4	3,891.21	4	4	4	4	4	4	4	4	4	4
1 1/4	2,799.69	1 1/4	3,074.02	1 1/4	3,348.34	1 1/4	3,622.67	1 1/4	3,896.88	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,805.41	1 1/2	3,079.73	1 1/2	3,354.06	1 1/2	3,628.38	1 1/2	3,902.54	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,811.12	3/4	3,085.45	3/4	3,359.77	3/4	3,634.10	3/4	3,908.21	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,816.84	5	3,091.16	5	3,365.49	5	3,639.81	5	3,913.87	5	5	5	5	5	5	5	5	5	5
1 1/4	2,822.55	1 1/4	3,096.88	1 1/4	3,371.20	1 1/4	3,645.53	1 1/4	3,919.63	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,828.27	1 1/2	3,102.59	1 1/2	3,376.92	1 1/2	3,651.24	1 1/2	3,925.39	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,833.98	3/4	3,108.31	3/4	3,382.63	3/4	3,656.96	3/4	3,931.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	2,839.70	6	3,114.02	6	3,388.35	6	3,662.67	6	3,932.91	6	6	6	6	6	6	6	6	6	6
1 1/4	2,845.41	1 1/4	3,119.74	1 1/4	3,394.06	1 1/4	3,668.39	1 1/4	3,935.77	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,851.13	1 1/2	3,125.45	1 1/2	3,399.78	1 1/2	3,674.10	1 1/2	3,938.63	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,856.84	3/4	3,131.17	3/4	3,405.49	3/4	3,679.82	3/4	3,941.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	2,862.56	7	3,136.88	7	3,411.21	7	3,685.53	7	3,944.34	7	7	7	7	7	7	7	7	7	7
1 1/4	2,868.27	1 1/4	3,142.60	1 1/4	3,416.92	1 1/4	3,691.25	1 1/4	3,945.29	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,873.99	1 1/2	3,148.31	1 1/2	3,422.64	1 1/2	3,696.96	1 1/2	3,946.24	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,879.70	3/4	3,154.03	3/4	3,428.35	3/4	3,702.68	3/4	3,947.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	2,885.42	8	3,159.74	8	3,434.07	8	3,708.39	8	3,948.14	8	8	8	8	8	8	8	8	8	8
1 1/4	2,891.13	1 1/4	3,165.46	1 1/4	3,439.78	1 1/4	3,714.11	1 1/4	3,949.09	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,896.85	1 1/2	3,171.17	1 1/2	3,445.50	1 1/2	3,719.82	1 1/2	3,950.04	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,902.56	3/4	3,176.89	3/4	3,451.21	3/4	3,725.54	3/4	3,950.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	2,908.28	9	3,182.60	9	3,456.93	9	3,731.25	9	3,951.94	9	9	9	9	9	9	9	9	9	9
1 1/4	2,913.99	1 1/4	3,188.32	1 1/4	3,462.64	1 1/4	3,736.97	1 1/4	3,952.89	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,919.71	1 1/2	3,194.03	1 1/2	3,468.36	1 1/2	3,742.68	1 1/2	3,953.84	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,925.42	3/4	3,199.75	3/4	3,474.07	3/4	3,748.40	3/4	3,954.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	2,931.14	10	3,205.46	10	3,479.79	10	3,754.11	10	3,955.74	10	10	10	10	10	10	10	10	10	10
1 1/4	2,936.86	1 1/4	3,211.18	1 1/4	3,485.50	1 1/4	3,759.83	1 1/4	3,956.69	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,942.57	1 1/2	3,216.90	1 1/2	3,491.22	1 1/2	3,765.54	1 1/2	3,957.64	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,948.29	3/4	3,222.61	3/4	3,496.93	3/4	3,771.26	3/4	3,958.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	2,954.00	11	3,228.33	11	3,502.65	11	3,776.97	11	3,959.54	11	11	11	11	11	11	11	11	11	11
1 1/4	2,959.72	1 1/4	3,234.04	1 1/4	3,508.37	1 1/4	3,782.69	1 1/4	3,960.49	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,965.43	1 1/2	3,239.76	1 1/2	3,514.08	1 1/2	3,788.41	1 1/2	3,961.44	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,971.15	3/4	3,245.47	3/4	3,519.80	3/4	3,794.12	3/4	3,962.39	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: 08/01/2019 JS
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE CBC 1119 (ex: E2MS 107)

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	215.42	0	461.07	0	706.48	0	951.90	0	1,197.56	0	1,443.22	0	1,688.88	0	1,934.54	0	2,180.20
1/4	1.58	1/4	220.54	1/4	466.19	1/4	711.59	1/4	957.02	1/4	1,202.68	1/4	1,448.34	1/4	1,693.99	1/4	1,939.65	1/4	2,185.31
1/2	2.43	1/2	225.66	1/2	471.31	1/2	716.69	1/2	962.13	1/2	1,207.79	1/2	1,453.45	1/2	1,699.11	1/2	1,944.77	1/2	2,190.43
3/4	3.29	3/4	230.77	3/4	476.42	3/4	721.80	3/4	967.25	3/4	1,212.91	3/4	1,458.57	3/4	1,704.23	3/4	1,949.89	3/4	2,195.55
1	4.14	1	235.89	1	481.54	1	726.90	1	972.37	1	1,218.03	1	1,463.69	1	1,709.35	1	1,955.01	1	2,200.67
1 1/4	6.69	1 1/4	241.01	1 1/4	486.66	1 1/4	732.01	1 1/4	977.49	1 1/4	1,223.15	1 1/4	1,468.81	1 1/4	1,714.47	1 1/4	1,960.13	1 1/4	2,205.78
1 1/2	9.25	1 1/2	246.13	1 1/2	491.78	1 1/2	737.11	1 1/2	982.61	1 1/2	1,228.27	1 1/2	1,473.93	1 1/2	1,719.58	1 1/2	1,965.24	1 1/2	2,210.90
3/4	11.81	3/4	251.25	3/4	496.90	3/4	742.22	3/4	987.72	3/4	1,233.38	3/4	1,479.04	3/4	1,724.70	3/4	1,970.36	3/4	2,216.02
2	14.37	2	256.36	2	502.01	2	747.32	2	992.84	2	1,238.50	2	1,484.16	2	1,729.82	2	1,975.48	2	2,221.14
1 1/4	18.83	1 1/4	261.48	1 1/4	507.13	1 1/4	752.43	1 1/4	997.96	1 1/4	1,243.62	1 1/4	1,489.28	1 1/4	1,734.94	1 1/4	1,980.60	1 1/4	2,226.26
1 1/2	22.89	1 1/2	266.60	1 1/2	512.25	1 1/2	757.53	1 1/2	1,003.08	1 1/2	1,248.74	1 1/2	1,494.40	1 1/2	1,740.06	1 1/2	1,985.71	1 1/2	2,231.37
3/4	27.16	3/4	271.72	3/4	517.37	3/4	762.64	3/4	1,008.20	3/4	1,253.86	3/4	1,499.51	3/4	1,745.17	3/4	1,990.83	3/4	2,236.49
3	31.42	3	276.83	3	522.48	3	767.74	3	1,013.31	3	1,258.97	3	1,504.63	3	1,750.29	3	1,995.95	3	2,241.61
1 1/4	36.49	1 1/4	281.95	1 1/4	527.60	1 1/4	772.85	1 1/4	1,018.43	1 1/4	1,264.09	1 1/4	1,509.75	1 1/4	1,755.41	1 1/4	2,001.07	1 1/4	2,246.73
1 1/2	41.57	1 1/2	287.07	1 1/2	532.72	1 1/2	777.95	1 1/2	1,023.55	1 1/2	1,269.21	1 1/2	1,514.87	1 1/2	1,760.53	1 1/2	2,006.19	1 1/2	2,251.85
3/4	46.64	3/4	292.19	3/4	537.84	3/4	783.06	3/4	1,028.67	3/4	1,274.33	3/4	1,519.98	3/4	1,765.65	3/4	2,011.30	3/4	2,256.98
4	51.71	4	297.30	4	542.95	4	788.16	4	1,033.79	4	1,279.44	4	1,525.10	4	1,770.76	4	2,016.42	4	2,262.08
1 1/4	56.82	1 1/4	302.42	1 1/4	548.07	1 1/4	793.27	1 1/4	1,038.90	1 1/4	1,284.56	1 1/4	1,530.22	1 1/4	1,775.88	1 1/4	2,021.54	1 1/4	2,267.20
1 1/2	61.92	1 1/2	307.54	1 1/2	553.19	1 1/2	798.38	1 1/2	1,044.02	1 1/2	1,289.68	1 1/2	1,535.34	1 1/2	1,781.00	1 1/2	2,026.66	1 1/2	2,272.32
3/4	67.03	3/4	312.66	3/4	558.31	3/4	803.49	3/4	1,049.14	3/4	1,294.80	3/4	1,540.46	3/4	1,786.12	3/4	2,031.78	3/4	2,277.44
6	72.13	6	317.78	6	563.43	6	808.60	6	1,054.26	6	1,299.92	6	1,545.58	6	1,791.23	6	2,036.89	6	2,282.55
1 1/4	77.25	1 1/4	322.89	1 1/4	568.54	1 1/4	813.72	1 1/4	1,059.38	1 1/4	1,305.03	1 1/4	1,550.69	1 1/4	1,796.35	1 1/4	2,042.01	1 1/4	2,287.67
1 1/2	82.36	1 1/2	328.01	1 1/2	573.66	1 1/2	818.83	1 1/2	1,064.49	1 1/2	1,310.15	1 1/2	1,555.81	1 1/2	1,801.47	1 1/2	2,047.13	1 1/2	2,292.79
3/4	87.48	3/4	333.13	3/4	578.78	3/4	823.95	3/4	1,069.61	3/4	1,315.27	3/4	1,560.93	3/4	1,806.59	3/4	2,052.25	3/4	2,297.91
8	92.60	8	338.25	8	583.90	8	829.07	8	1,074.73	8	1,320.39	8	1,566.05	8	1,811.71	8	2,057.37	8	2,303.02
1 1/4	97.71	1 1/4	343.36	1 1/4	589.01	1 1/4	834.19	1 1/4	1,079.85	1 1/4	1,325.51	1 1/4	1,571.17	1 1/4	1,816.82	1 1/4	2,062.48	1 1/4	2,308.14
1 1/2	102.83	1 1/2	348.48	1 1/2	594.13	1 1/2	839.31	1 1/2	1,084.96	1 1/2	1,330.62	1 1/2	1,576.28	1 1/2	1,821.94	1 1/2	2,067.60	1 1/2	2,313.26
3/4	107.95	3/4	353.60	3/4	599.25	3/4	844.42	3/4	1,090.08	3/4	1,335.74	3/4	1,581.40	3/4	1,827.06	3/4	2,072.72	3/4	2,318.38
7	113.07	7	358.72	7	604.37	7	849.54	7	1,095.20	7	1,340.86	7	1,586.52	7	1,832.18	7	2,077.84	7	2,323.50
1 1/4	118.19	1 1/4	363.83	1 1/4	609.48	1 1/4	854.66	1 1/4	1,100.32	1 1/4	1,345.98	1 1/4	1,591.64	1 1/4	1,837.30	1 1/4	2,082.96	1 1/4	2,328.61
1 1/2	123.30	1 1/2	368.95	1 1/2	614.59	1 1/2	859.78	1 1/2	1,105.44	1 1/2	1,351.10	1 1/2	1,596.75	1 1/2	1,842.41	1 1/2	2,088.07	1 1/2	2,333.73
3/4	128.42	3/4	374.07	3/4	619.70	3/4	864.89	3/4	1,110.55	3/4	1,356.21	3/4	1,601.87	3/4	1,847.53	3/4	2,093.19	3/4	2,338.85
8	133.54	8	379.19	8	624.81	8	870.01	8	1,115.67	8	1,361.33	8	1,606.99	8	1,852.65	8	2,098.31	8	2,343.97
1 1/4	138.66	1 1/4	384.31	1 1/4	629.92	1 1/4	875.13	1 1/4	1,120.79	1 1/4	1,366.45	1 1/4	1,612.11	1 1/4	1,857.77	1 1/4	2,103.43	1 1/4	2,349.09
1 1/2	143.77	1 1/2	389.42	1 1/2	635.02	1 1/2	880.25	1 1/2	1,125.91	1 1/2	1,371.57	1 1/2	1,617.23	1 1/2	1,862.89	1 1/2	2,108.54	1 1/2	2,354.20
3/4	148.89	3/4	394.54	3/4	640.12	3/4	885.37	3/4	1,131.03	3/4	1,376.68	3/4	1,622.34	3/4	1,868.00	3/4	2,113.66	3/4	2,359.32
9	154.01	9	399.66	9	645.23	9	890.48	9	1,136.14	9	1,381.80	9	1,627.46	9	1,873.12	9	2,118.78	9	2,364.44
1 1/4	159.13	1 1/4	404.78	1 1/4	650.33	1 1/4	895.60	1 1/4	1,141.26	1 1/4	1,386.92	1 1/4	1,632.58	1 1/4	1,878.24	1 1/4	2,123.90	1 1/4	2,369.56
1 1/2	164.24	1 1/2	409.89	1 1/2	655.44	1 1/2	900.72	1 1/2	1,146.38	1 1/2	1,392.04	1 1/2	1,637.70	1 1/2	1,883.36	1 1/2	2,129.02	1 1/2	2,374.68
3/4	169.36	3/4	415.01	3/4	660.54	3/4	905.84	3/4	1,151.50	3/4	1,397.16	3/4	1,642.82	3/4	1,888.47	3/4	2,134.13	3/4	2,379.79
10	174.48	10	420.13	10	665.65	10	910.96	10	1,156.62	10	1,402.27	10	1,647.93	10	1,893.59	10	2,139.25	10	2,384.91
1 1/4	179.60	1 1/4	425.25	1 1/4	670.75	1 1/4	916.07	1 1/4	1,161.73	1 1/4	1,407.39	1 1/4	1,653.05	1 1/4	1,898.71	1 1/4	2,144.37	1 1/4	2,390.03
1 1/2	184.72	1 1/2	430.37	1 1/2	675.86	1 1/2	921.19	1 1/2	1,166.85	1 1/2	1,412.51	1 1/2	1,658.17	1 1/2	1,903.83	1 1/2	2,149.49	1 1/2	2,395.15
3/4	189.83	3/4	435.48	3/4	680.96	3/4	926.31	3/4	1,171.97	3/4	1,417.63	3/4	1,663.29	3/4	1,908.95	3/4	2,154.61	3/4	2,400.26
11	194.95	11	440.60	11	686.07	11	931.43	11	1,177.09	11	1,422.75	11	1,668.41	11	1,914.06	11	2,159.72	11	2,405.38
1 1/4	200.07	1 1/4	445.72	1 1/4	691.17	1 1/4	936.55	1 1/4	1,182.20	1 1/4	1,427.86	1 1/4	1,673.52	1 1/4	1,919.18	1 1/4	2,164.84	1 1/4	2,410.50
1 1/2	205.19	1 1/2	450.84	1 1/2	696.28	1 1/2	941.66	1 1/2	1,187.32	1 1/2	1,432.98	1 1/2	1,678.64	1 1/2	1,924.30	1 1/2	2,169.96	1 1/2	2,415.62
3/4	210.30	3/4	455.95	3/4	701.38	3/4	946.78	3/4	1,192.44	3/4	1,438.10	3/4	1,683.76	3/4	1,929.42	3/4	2,175.08	3/4	2,420.74

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 OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pasadena, Texas 77668
<http://www.pmacorp.net>



BARGE CBC 1119 (ex: E2MS 107)

**3 CENTER
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN
0	2,425.85	0	2,671.51	0	2,917.17	0	3,162.83	0	3,408.49	0		0		0		0		0		0
1/4	2,430.97	1/4	2,676.63	1/4	2,922.29	1/4	3,167.95	1/4	3,413.61	1/4		1/4		1/4		1/4		1/4		1/4
1/2	2,436.09	1/2	2,681.75	1/2	2,927.41	1/2	3,173.07	1/2	3,418.73	1/2		1/2		1/2		1/2		1/2		1/2
3/4	2,441.21	3/4	2,686.87	3/4	2,932.53	3/4	3,178.19	3/4	3,423.84	3/4		3/4		3/4		3/4		3/4		3/4
1	2,446.33	1	2,691.99	1	2,937.64	1	3,183.30	1	3,428.96	1		1		1		1		1		1
1 1/4	2,451.44	1 1/4	2,697.10	1 1/4	2,942.76	1 1/4	3,188.42	1 1/4	3,434.08	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	2,456.56	1 1/2	2,702.22	1 1/2	2,947.88	1 1/2	3,193.54	1 1/2	3,439.20	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/2	2,461.68	3/2	2,707.34	3/2	2,953.00	3/2	3,198.66	3/2	3,444.32	3/2		3/2		3/2		3/2		3/2		3/2
2	2,466.80	2	2,712.46	2	2,958.12	2	3,203.78	2	3,449.43	2		2		2		2		2		2
2 1/4	2,471.92	2 1/4	2,717.57	2 1/4	2,963.23	2 1/4	3,208.89	2 1/4	3,454.56	2 1/4		2 1/4		2 1/4		2 1/4		2 1/4		2 1/4
2 1/2	2,477.03	2 1/2	2,722.69	2 1/2	2,968.35	2 1/2	3,214.01	2 1/2	3,459.68	2 1/2		2 1/2		2 1/2		2 1/2		2 1/2		2 1/2
3/2	2,482.15	3/2	2,727.81	3/2	2,973.47	3/2	3,219.13	3/2	3,464.80	3/2		3/2		3/2		3/2		3/2		3/2
3	2,487.27	3	2,732.93	3	2,978.59	3	3,224.25	3	3,469.93	3		3		3		3		3		3
3 1/4	2,492.39	3 1/4	2,738.05	3 1/4	2,983.71	3 1/4	3,229.36	3 1/4	3,475.03	3 1/4		3 1/4		3 1/4		3 1/4		3 1/4		3 1/4
3 1/2	2,497.51	3 1/2	2,743.16	3 1/2	2,988.82	3 1/2	3,234.48	3 1/2	3,480.14	3 1/2		3 1/2		3 1/2		3 1/2		3 1/2		3 1/2
3/2	2,502.62	3/2	2,748.28	3/2	2,993.94	3/2	3,239.60	3/2	3,485.24	3/2		3/2		3/2		3/2		3/2		3/2
4	2,507.74	4	2,753.40	4	2,999.06	4	3,244.72	4	3,490.35	4		4		4		4		4		4
4 1/4	2,512.86	4 1/4	2,758.52	4 1/4	3,004.18	4 1/4	3,249.84	4 1/4	3,495.42	4 1/4		4 1/4		4 1/4		4 1/4		4 1/4		4 1/4
4 1/2	2,517.98	4 1/2	2,763.64	4 1/2	3,009.30	4 1/2	3,254.95	4 1/2	3,500.49	4 1/2		4 1/2		4 1/2		4 1/2		4 1/2		4 1/2
3/2	2,523.09	3/2	2,768.75	3/2	3,014.41	3/2	3,260.07	3/2	3,505.57	3/2		3/2		3/2		3/2		3/2		3/2
5	2,528.21	5	2,773.87	5	3,019.53	5	3,265.19	5	3,510.64	5		5		5		5		5		5
5 1/4	2,533.33	5 1/4	2,778.99	5 1/4	3,024.65	5 1/4	3,270.31	5 1/4	3,514.90	5 1/4		5 1/4		5 1/4		5 1/4		5 1/4		5 1/4
5 1/2	2,538.45	5 1/2	2,784.11	5 1/2	3,029.77	5 1/2	3,275.43	5 1/2	3,519.17	5 1/2		5 1/2		5 1/2		5 1/2		5 1/2		5 1/2
3/2	2,543.57	3/2	2,789.23	3/2	3,034.88	3/2	3,280.54	3/2	3,523.43	3/2		3/2		3/2		3/2		3/2		3/2
6	2,548.68	6	2,794.34	6	3,040.00	6	3,285.66	6	3,527.69	6		6		6		6		6		6
6 1/4	2,553.80	6 1/4	2,799.46	6 1/4	3,045.12	6 1/4	3,290.78	6 1/4	3,530.25	6 1/4		6 1/4		6 1/4		6 1/4		6 1/4		6 1/4
6 1/2	2,558.92	6 1/2	2,804.58	6 1/2	3,050.24	6 1/2	3,295.90	6 1/2	3,532.81	6 1/2		6 1/2		6 1/2		6 1/2		6 1/2		6 1/2
3/2	2,564.04	3/2	2,809.70	3/2	3,055.36	3/2	3,301.02	3/2	3,535.37	3/2		3/2		3/2		3/2		3/2		3/2
7	2,569.16	7	2,814.81	7	3,060.47	7	3,306.13	7	3,537.92	7		7		7		7		7		7
7 1/4	2,574.27	7 1/4	2,819.93	7 1/4	3,065.59	7 1/4	3,311.25	7 1/4	3,538.78	7 1/4		7 1/4		7 1/4		7 1/4		7 1/4		7 1/4
7 1/2	2,579.39	7 1/2	2,825.05	7 1/2	3,070.71	7 1/2	3,316.37	7 1/2	3,539.63	7 1/2		7 1/2		7 1/2		7 1/2		7 1/2		7 1/2
3/2	2,584.51	3/2	2,830.17	3/2	3,075.83	3/2	3,321.49	3/2	3,540.48	3/2		3/2		3/2		3/2		3/2		3/2
8	2,589.63	8	2,835.29	8	3,080.95	8	3,326.60	8	3,541.33	8		8		8		8		8		8
8 1/4	2,594.75	8 1/4	2,840.40	8 1/4	3,086.06	8 1/4	3,331.72	8 1/4		8 1/4		8 1/4		8 1/4		8 1/4		8 1/4		8 1/4
8 1/2	2,599.86	8 1/2	2,845.52	8 1/2	3,091.18	8 1/2	3,336.84	8 1/2		8 1/2		8 1/2		8 1/2		8 1/2		8 1/2		8 1/2
3/2	2,604.98	3/2	2,850.64	3/2	3,096.30	3/2	3,341.96	3/2		3/2		3/2		3/2		3/2		3/2		3/2
9	2,610.10	9	2,855.76	9	3,101.42	9	3,347.08	9		9		9		9		9		9		9
9 1/4	2,615.22	9 1/4	2,860.88	9 1/4	3,106.54	9 1/4	3,352.19	9 1/4		9 1/4		9 1/4		9 1/4		9 1/4		9 1/4		9 1/4
9 1/2	2,620.33	9 1/2	2,865.99	9 1/2	3,111.65	9 1/2	3,357.31	9 1/2		9 1/2		9 1/2		9 1/2		9 1/2		9 1/2		9 1/2
3/2	2,625.45	3/2	2,871.11	3/2	3,116.77	3/2	3,362.43	3/2		3/2		3/2		3/2		3/2		3/2		3/2
10	2,630.57	10	2,876.23	10	3,121.89	10	3,367.55	10		10		10		10		10		10		10
10 1/4	2,635.69	10 1/4	2,881.35	10 1/4	3,127.01	10 1/4	3,372.67	10 1/4		10 1/4		10 1/4		10 1/4		10 1/4		10 1/4		10 1/4
10 1/2	2,640.81	10 1/2	2,886.47	10 1/2	3,132.12	10 1/2	3,377.78	10 1/2		10 1/2		10 1/2		10 1/2		10 1/2		10 1/2		10 1/2
3/2	2,645.92	3/2	2,891.58	3/2	3,137.24	3/2	3,382.90	3/2		3/2		3/2		3/2		3/2		3/2		3/2
11	2,651.04	11	2,896.70	11	3,142.36	11	3,388.02	11		11		11		11		11		11		11
11 1/4	2,656.16	11 1/4	2,901.82	11 1/4	3,147.48	11 1/4	3,393.14	11 1/4		11 1/4		11 1/4		11 1/4		11 1/4		11 1/4		11 1/4
11 1/2	2,661.28	11 1/2	2,906.94	11 1/2	3,152.60	11 1/2	3,398.26	11 1/2		11 1/2		11 1/2		11 1/2		11 1/2		11 1/2		11 1/2
3/2	2,666.40	3/2	2,912.05	3/2	3,157.71	3/2	3,403.37	3/2		3/2		3/2		3/2		3/2		3/2		3/2

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 JS
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT
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P.O. Box 2092
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BARGE CBC 1119 (ex: E2MS 107)

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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
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	- 01-1/8	01-1/8

(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)

LENGTH BETWEEN DRAFT MARKS: 163'-09"

August 1, 2019

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"



BARGE CBC 1119 (ex: E2MS 107)

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	0	3,415.98	0	3,223.64	0	3,012.98	0	2,802.12	0	2,591.67	0	2,350.50	0	2,103.47	0	1,858.57	0	1,610.09	
1/4	1/4	3,415.10	1/4	3,219.25	1/4	3,008.49	1/4	2,797.73	1/4	2,587.32	1/4	2,345.36	1/4	2,098.32	1/4	1,851.44	1/4	1,604.95	
1/2	1/2	3,414.24	1/2	3,214.86	1/2	3,004.10	1/2	2,793.34	1/2	2,582.96	1/2	2,340.21	1/2	2,093.17	1/2	1,846.31	1/2	1,599.81	
3/4	3/4	3,413.38	3/4	3,210.47	3/4	2,999.71	3/4	2,788.95	3/4	2,578.60	3/4	2,335.07	3/4	2,088.03	3/4	1,841.18	3/4	1,594.86	
1	1	3,410.80	1	3,206.07	1	2,995.32	1	2,784.56	1	2,574.25	1	2,329.93	1	2,082.88	1	1,836.05	1	1,589.52	
1 1/4	1 1/4	3,408.22	1 1/4	3,201.88	1 1/4	2,990.93	1 1/4	2,780.17	1 1/4	2,569.89	1 1/4	2,324.78	1 1/4	2,077.73	1 1/4	1,830.92	1 1/4	1,584.38	
1 1/2	1 1/2	3,405.64	1 1/2	3,197.29	1 1/2	2,986.53	1 1/2	2,775.78	1 1/2	2,565.53	1 1/2	2,319.63	1 1/2	2,072.59	1 1/2	1,825.79	1 1/2	1,579.24	
1 3/4	1 3/4	3,403.06	1 3/4	3,192.90	1 3/4	2,982.14	1 3/4	2,771.39	1 3/4	2,561.18	1 3/4	2,314.49	1 3/4	2,067.44	1 3/4	1,820.66	1 3/4	1,574.10	
2	2	3,398.77	2	3,188.51	2	2,977.75	2	2,768.99	2	2,556.05	2	2,309.34	2	2,062.29	2	1,815.53	2	1,568.96	
2 1/4	2 1/4	3,394.47	2 1/4	3,184.12	2 1/4	2,973.38	2 1/4	2,762.60	2 1/4	2,550.92	2 1/4	2,304.19	2 1/4	2,057.15	2 1/4	1,810.40	2 1/4	1,563.82	
2 1/2	2 1/2	3,390.17	2 1/2	3,179.73	2 1/2	2,968.97	2 1/2	2,758.21	2 1/2	2,545.80	2 1/2	2,299.05	2 1/2	2,052.00	2 1/2	1,805.27	2 1/2	1,568.87	
2 3/4	2 3/4	3,385.87	2 3/4	3,175.34	2 3/4	2,964.58	2 3/4	2,753.82	2 3/4	2,540.67	2 3/4	2,293.90	2 3/4	2,046.85	2 3/4	1,800.14	2 3/4	1,563.53	
3	3	3,381.52	3	3,170.95	3	2,960.19	3	2,749.43	3	2,535.55	3	2,288.75	3	2,041.71	3	1,795.01	3	1,548.39	
3 1/4	3 1/4	3,377.18	3 1/4	3,166.56	3 1/4	2,955.80	3 1/4	2,745.04	3 1/4	2,530.42	3 1/4	2,283.60	3 1/4	2,036.56	3 1/4	1,789.88	3 1/4	1,543.25	
3 1/2	3 1/2	3,372.83	3 1/2	3,162.17	3 1/2	2,951.41	3 1/2	2,740.65	3 1/2	2,525.29	3 1/2	2,278.46	3 1/2	2,031.41	3 1/2	1,784.75	3 1/2	1,538.11	
3 3/4	3 3/4	3,368.49	3 3/4	3,157.78	3 3/4	2,947.02	3 3/4	2,736.26	3 3/4	2,520.17	3 3/4	2,273.31	3 3/4	2,026.26	3 3/4	1,779.62	3 3/4	1,532.97	
4	4	3,364.11	4	3,153.38	4	2,942.63	4	2,731.87	4	2,515.03	4	2,268.18	4	2,021.12	4	1,774.49	4	1,527.82	
4 1/4	4 1/4	3,359.73	4 1/4	3,148.99	4 1/4	2,938.24	4 1/4	2,727.48	4 1/4	2,509.88	4 1/4	2,263.02	4 1/4	2,015.97	4 1/4	1,769.36	4 1/4	1,522.88	
4 1/2	4 1/2	3,355.35	4 1/2	3,144.60	4 1/2	2,933.84	4 1/2	2,723.09	4 1/2	2,504.74	4 1/2	2,257.87	4 1/2	2,010.82	4 1/2	1,764.23	4 1/2	1,517.54	
4 3/4	4 3/4	3,350.97	4 3/4	3,140.21	4 3/4	2,929.45	4 3/4	2,718.70	4 3/4	2,499.60	4 3/4	2,252.72	4 3/4	2,005.68	4 3/4	1,759.10	4 3/4	1,512.40	
5	5	3,346.58	5	3,135.82	5	2,925.06	5	2,714.30	5	2,494.46	5	2,247.58	5	2,000.53	5	1,753.97	5	1,507.26	
5 1/4	5 1/4	3,342.19	5 1/4	3,131.43	5 1/4	2,920.67	5 1/4	2,709.91	5 1/4	2,489.32	5 1/4	2,242.43	5 1/4	1,995.38	5 1/4	1,748.84	5 1/4	1,502.12	
5 1/2	5 1/2	3,337.80	5 1/2	3,127.04	5 1/2	2,916.28	5 1/2	2,705.52	5 1/2	2,484.18	5 1/2	2,237.28	5 1/2	1,990.24	5 1/2	1,743.71	5 1/2	1,496.97	
5 3/4	5 3/4	3,333.41	5 3/4	3,122.65	5 3/4	2,911.89	5 3/4	2,701.13	5 3/4	2,479.03	5 3/4	2,232.14	5 3/4	1,985.09	5 3/4	1,738.58	5 3/4	1,491.83	
6	6	3,329.02	6	3,118.26	6	2,907.50	6	2,696.74	6	2,473.89	6	2,226.99	6	1,979.94	6	1,733.45	6	1,486.69	
6 1/4	6 1/4	3,324.63	6 1/4	3,113.87	6 1/4	2,903.11	6 1/4	2,692.35	6 1/4	2,468.75	6 1/4	2,221.84	6 1/4	1,974.80	6 1/4	1,728.32	6 1/4	1,481.54	
6 1/2	6 1/2	3,320.24	6 1/2	3,109.48	6 1/2	2,898.72	6 1/2	2,687.96	6 1/2	2,463.61	6 1/2	2,216.70	6 1/2	1,969.65	6 1/2	1,723.19	6 1/2	1,476.40	
6 3/4	6 3/4	3,315.84	6 3/4	3,105.09	6 3/4	2,894.33	6 3/4	2,683.57	6 3/4	2,458.47	6 3/4	2,211.55	6 3/4	1,964.50	6 3/4	1,718.06	6 3/4	1,471.25	
7	7	3,311.45	7	3,100.70	7	2,889.94	7	2,679.18	7	2,453.33	7	2,206.40	7	1,959.36	7	1,712.93	7	1,466.11	
7 1/4	7 1/4	3,307.06	7 1/4	3,096.30	7 1/4	2,885.55	7 1/4	2,674.79	7 1/4	2,448.19	7 1/4	2,201.26	7 1/4	1,954.21	7 1/4	1,707.80	7 1/4	1,460.96	
7 1/2	7 1/2	3,302.67	7 1/2	3,091.91	7 1/2	2,881.16	7 1/2	2,670.40	7 1/2	2,443.04	7 1/2	2,196.11	7 1/2	1,949.06	7 1/2	1,702.67	7 1/2	1,455.81	
7 3/4	7 3/4	3,298.28	7 3/4	3,087.52	7 3/4	2,876.76	7 3/4	2,666.01	7 3/4	2,437.90	7 3/4	2,190.96	7 3/4	1,943.92	7 3/4	1,697.54	7 3/4	1,450.67	
8	8	3,293.89	8	3,083.13	8	2,872.37	8	2,661.62	8	2,432.76	8	2,185.82	8	1,938.77	8	1,692.40	8	1,445.52	
8 1/4	8 1/4	3,289.50	8 1/4	3,078.74	8 1/4	2,867.98	8 1/4	2,657.22	8 1/4	2,427.62	8 1/4	2,180.67	8 1/4	1,933.62	8 1/4	1,687.25	8 1/4	1,440.38	
8 1/2	8 1/2	3,285.11	8 1/2	3,074.35	8 1/2	2,863.59	8 1/2	2,652.83	8 1/2	2,422.48	8 1/2	2,175.52	8 1/2	1,928.48	8 1/2	1,682.11	8 1/2	1,435.23	
8 3/4	8 3/4	3,280.72	8 3/4	3,069.96	8 3/4	2,859.20	8 3/4	2,648.44	8 3/4	2,417.34	8 3/4	2,170.38	8 3/4	1,923.33	8 3/4	1,676.96	8 3/4	1,430.09	
9	9	3,276.33	9	3,065.57	9	2,854.81	9	2,644.05	9	2,412.20	9	2,165.23	9	1,918.18	9	1,671.82	9	1,424.94	
9 1/4	9 1/4	3,271.94	9 1/4	3,061.18	9 1/4	2,850.42	9 1/4	2,639.66	9 1/4	2,407.05	9 1/4	2,160.08	9 1/4	1,913.04	9 1/4	1,666.68	9 1/4	1,419.80	
9 1/2	9 1/2	3,267.55	9 1/2	3,056.79	9 1/2	2,846.03	9 1/2	2,635.27	9 1/2	2,401.91	9 1/2	2,154.93	9 1/2	1,907.89	9 1/2	1,661.53	9 1/2	1,414.65	
9 3/4	9 3/4	3,263.15	9 3/4	3,052.40	9 3/4	2,841.64	9 3/4	2,630.88	9 3/4	2,396.77	9 3/4	2,149.79	9 3/4	1,902.74	9 3/4	1,656.39	9 3/4	1,409.51	
10	10	3,258.76	10	3,048.01	10	2,837.25	10	2,626.52	10	2,391.63	10	2,144.64	10	1,897.61	10	1,651.24	10	1,404.36	
10 1/4	10 1/4	3,254.37	10 1/4	3,043.61	10 1/4	2,832.86	10 1/4	2,622.17	10 1/4	2,386.49	10 1/4	2,139.49	10 1/4	1,892.48	10 1/4	1,646.10	10 1/4	1,399.22	
10 1/2	10 1/2	3,249.98	10 1/2	3,039.22	10 1/2	2,828.47	10 1/2	2,617.81	10 1/2	2,381.35	10 1/2	2,134.35	10 1/2	1,887.35	10 1/2	1,640.95	10 1/2	1,394.07	
10 3/4	10 3/4	3,245.59	10 3/4	3,034.83	10 3/4	2,824.07	10 3/4	2,613.45	10 3/4	2,376.20	10 3/4	2,129.20	10 3/4	1,882.22	10 3/4	1,635.81	10 3/4	1,388.92	
11	11	3,241.20	11	3,030.44	11	2,819.68	11	2,609.10	11	2,371.06	11	2,124.05	11	1,877.09	11	1,630.66	11	1,383.78	
11 1/4	11 1/4	3,236.81	11 1/4	3,026.05	11 1/4	2,815.29	11 1/4	2,604.74	11 1/4	2,365.92	11 1/4	2,118.91	11 1/4	1,871.96	11 1/4	1,625.52	11 1/4	1,378.63	
11 1/2	11 1/2	3,232.42	11 1/2	3,021.66	11 1/2	2,810.90	11 1/2	2,600.38	11 1/2	2,360.78	11 1/2	2,113.76	11 1/2	1,866.83	11 1/2	1,620.38	11 1/2	1,373.49	
11 3/4	3,416.82	3,228.03	3,416.82	3,017.27	3,416.82	2,806.51	3,416.82	2,596.03	3,416.82	2,355.64	3,416.82	2,108.61	3,416.82	1,861.70	3,416.82	1,615.23	3,416.82	1,368.34	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD.

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



BARGE CBC 1119 (ex: E2MS 107)

**1 CENTER
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN
0	1,363.20	0	1,116.22	0	869.24	0	627.76	0	380.57	0	132.84	0		0		0		0		0
1/4	1,358.05	1/4	1,111.07	1/4	864.09	1/4	622.76	1/4	375.41	1/4	127.68	1/4		1/4		1/4		1/4		1/4
1/2	1,352.91	1/2	1,105.93	1/2	858.95	1/2	617.75	1/2	370.25	1/2	122.51	1/2		1/2		1/2		1/2		1/2
3/4	1,347.76	3/4	1,100.78	3/4	853.80	3/4	612.75	3/4	365.08	3/4	117.35	3/4		3/4		3/4		3/4		3/4
1	1,342.62	1	1,095.64	1	848.66	1	607.59	1	359.92	1	112.19	1		1		1		1		1
1 1/4	1,337.47	1 1/4	1,090.49	1 1/4	843.51	1 1/4	602.44	1 1/4	354.76	1 1/4	107.03	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	1,332.33	1 1/2	1,085.35	1 1/2	838.37	1 1/2	597.29	1 1/2	349.60	1 1/2	101.87	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	1,327.18	3/4	1,080.20	3/4	833.22	3/4	592.14	3/4	344.44	3/4	96.71	3/4		3/4		3/4		3/4		3/4
2	1,322.03	2	1,075.06	2	828.08	2	586.98	2	339.28	2	91.55	2		2		2		2		2
1 3/4	1,316.89	1 3/4	1,069.91	1 3/4	822.93	1 3/4	581.83	1 3/4	334.12	1 3/4	86.39	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4
1 1/2	1,311.74	1 1/2	1,064.78	1 1/2	817.79	1 1/2	576.68	1 1/2	328.96	1 1/2	81.23	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	1,306.60	3/4	1,059.62	3/4	812.64	3/4	571.52	3/4	323.80	3/4	76.07	3/4		3/4		3/4		3/4		3/4
3	1,301.45	3	1,054.47	3	807.49	3	566.36	3	318.64	3	70.92	3		3		3		3		3
1 1/4	1,296.31	1 1/4	1,049.33	1 1/4	802.31	1 1/4	561.20	1 1/4	313.47	1 1/4	65.78	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	1,291.16	1 1/2	1,044.18	1 1/2	797.15	1 1/2	556.04	1 1/2	308.31	1 1/2	60.63	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	1,286.02	3/4	1,039.04	3/4	792.00	3/4	550.88	3/4	303.15	3/4	55.48	3/4		3/4		3/4		3/4		3/4
4	1,280.87	4	1,033.89	4	786.85	4	545.72	4	297.99	4	50.32	4		4		4		4		4
1 1/4	1,275.73	1 1/4	1,028.75	1 1/4	781.69	1 1/4	540.56	1 1/4	292.83	1 1/4	45.16	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	1,270.58	1 1/2	1,023.60	1 1/2	776.54	1 1/2	535.40	1 1/2	287.67	1 1/2	40.01	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	1,265.44	3/4	1,018.46	3/4	771.38	3/4	530.24	3/4	282.51	3/4	34.85	3/4		3/4		3/4		3/4		3/4
5	1,260.29	5	1,013.31	5	766.23	5	525.08	5	277.35	5	29.69	5		5		5		5		5
1 1/4	1,255.14	1 1/4	1,008.17	1 1/4	761.07	1 1/4	519.91	1 1/4	272.19	1 1/4	24.52	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	1,250.00	1 1/2	1,003.02	1 1/2	755.91	1 1/2	514.75	1 1/2	267.03	1 1/2	19.36	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	1,244.85	3/4	997.87	3/4	750.75	3/4	509.59	3/4	261.86	3/4	14.20	3/4		3/4		3/4		3/4		3/4
6	1,239.71	6	992.73	6	745.58	6	504.43	6	256.70	6	9.04	6		6		6		6		6
1 1/4	1,234.56	1 1/4	987.58	1 1/4	740.42	1 1/4	499.27	1 1/4	251.54	1 1/4	3.88	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	1,229.42	1 1/2	982.44	1 1/2	735.26	1 1/2	494.11	1 1/2	246.38	1 1/2	-1.28	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	1,224.27	3/4	977.29	3/4	730.10	3/4	488.95	3/4	241.22	3/4	-6.43	3/4		3/4		3/4		3/4		3/4
7	1,219.13	7	972.15	7	724.94	7	483.79	7	236.06	7	-11.57	7		7		7		7		7
1 1/4	1,213.98	1 1/4	967.00	1 1/4	719.78	1 1/4	478.63	1 1/4	230.90	1 1/4	-16.71	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	1,208.84	1 1/2	961.86	1 1/2	714.62	1 1/2	473.47	1 1/2	225.74	1 1/2	-21.85	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	1,203.69	3/4	956.71	3/4	709.51	3/4	468.30	3/4	220.58	3/4	-27.00	3/4		3/4		3/4		3/4		3/4
8	1,198.54	8	951.57	8	704.35	8	463.14	8	215.42	8	-32.14	8		8		8		8		8
1 1/4	1,193.40	1 1/4	946.42	1 1/4	699.19	1 1/4	457.98	1 1/4	210.25	1 1/4	-37.28	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	1,188.25	1 1/2	941.27	1 1/2	694.03	1 1/2	452.82	1 1/2	205.09	1 1/2	-42.42	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	1,183.11	3/4	936.13	3/4	688.87	3/4	447.66	3/4	199.93	3/4	-47.56	3/4		3/4		3/4		3/4		3/4
9	1,177.96	9	930.98	9	683.71	9	442.50	9	194.77	9	-52.70	9		9		9		9		9
1 1/4	1,172.82	1 1/4	925.84	1 1/4	678.55	1 1/4	437.34	1 1/4	189.61	1 1/4	-57.84	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	1,167.67	1 1/2	920.69	1 1/2	673.39	1 1/2	432.18	1 1/2	184.45	1 1/2	-62.98	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	1,162.53	3/4	915.55	3/4	668.23	3/4	427.02	3/4	179.29	3/4	-68.12	3/4		3/4		3/4		3/4		3/4
10	1,157.38	10	910.40	10	663.07	10	421.86	10	174.13	10	-73.26	10		10		10		10		10
1 1/4	1,152.24	1 1/4	905.26	1 1/4	657.91	1 1/4	416.69	1 1/4	168.96	1 1/4	-78.40	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	1,147.09	1 1/2	900.11	1 1/2	652.75	1 1/2	411.53	1 1/2	163.80	1 1/2	-83.54	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	1,141.95	3/4	894.97	3/4	647.59	3/4	406.37	3/4	158.64	3/4	-88.68	3/4		3/4		3/4		3/4		3/4
11	1,136.80	11	889.82	11	642.43	11	401.21	11	153.48	11	-93.82	11		11		11		11		11
1 1/4	1,131.65	1 1/4	884.68	1 1/4	637.27	1 1/4	396.05	1 1/4	148.32	1 1/4	-98.96	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	1,126.51	1 1/2	879.53	1 1/2	632.11	1 1/2	390.89	1 1/2	143.16	1 1/2	-104.10	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	1,121.36	3/4	874.38	3/4	626.95	3/4	385.73	3/4	138.00	3/4	-109.24	3/4		3/4		3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 JS
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

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BARGE CBC 1119 (ex: E2MS 107)

**2 CENTER
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
0	0	0	0	3,725.53	0	3,451.21	0	3,176.89	0	2,902.56	0	2,628.24	0	2,353.91	0	2,079.59	0	1,805.26		
1/4	1/4	1/4	1/4	3,719.82	1/4	3,445.50	1/4	3,171.17	1/4	2,896.85	1/4	2,622.52	1/4	2,348.20	1/4	2,073.87	1/4	1,799.55		
1/2	1/2	1/2	1/2	3,714.10	1/2	3,439.78	1/2	3,165.46	1/2	2,891.13	1/2	2,616.81	1/2	2,342.48	1/2	2,068.16	1/2	1,793.83		
3/4	3/4	3/4	3/4	3,948.14	3/4	3,708.39	3/4	3,434.06	3/4	3,159.74	3/4	2,885.42	3/4	2,611.09	3/4	2,336.77	3/4	2,062.44	3/4	1,788.12
1	1	1	1	3,947.19	1	3,702.87	1	3,428.36	1	3,154.02	1	2,879.70	1	2,605.38	1	2,331.05	1	2,058.73	1	1,782.40
1/4	1/4	1/4	1/4	3,946.24	1/4	3,696.96	1/4	3,422.63	1/4	3,148.31	1/4	2,873.99	1/4	2,599.66	1/4	2,325.34	1/4	2,051.01	1/4	1,776.69
1/2	1/2	1/2	1/2	3,945.29	1/2	3,691.24	1/2	3,416.92	1/2	3,142.59	1/2	2,868.27	1/2	2,593.95	1/2	2,319.62	1/2	2,045.30	1/2	1,770.97
3/4	3/4	3/4	3/4	3,944.34	3/4	3,685.53	3/4	3,411.20	3/4	3,136.88	3/4	2,862.55	3/4	2,588.23	3/4	2,313.91	3/4	2,039.58	3/4	1,765.26
2	2	2	2	3,941.48	2	3,679.81	2	3,405.49	2	3,131.16	2	2,856.84	2	2,582.51	2	2,308.19	2	2,033.87	2	1,759.54
1/4	1/4	1/4	1/4	3,938.62	1/4	3,674.10	1/4	3,399.77	1/4	3,126.45	1/4	2,851.12	1/4	2,576.80	1/4	2,302.48	1/4	2,028.15	1/4	1,753.83
1/2	1/2	1/2	1/2	3,935.77	1/2	3,668.38	1/2	3,394.06	1/2	3,119.73	1/2	2,845.41	1/2	2,571.08	1/2	2,296.76	1/2	2,022.44	1/2	1,748.11
3/4	3/4	3/4	3/4	3,932.91	3/4	3,662.67	3/4	3,388.34	3/4	3,114.02	3/4	2,839.69	3/4	2,565.37	3/4	2,291.04	3/4	2,018.72	3/4	1,742.40
3	3	3	3	3,928.15	3	3,658.95	3	3,382.63	3	3,108.30	3	2,833.98	3	2,559.65	3	2,285.33	3	2,011.00	3	1,736.68
1/4	1/4	1/4	1/4	3,923.39	1/4	3,651.24	1/4	3,376.91	1/4	3,102.59	1/4	2,828.26	1/4	2,553.94	1/4	2,279.61	1/4	2,005.29	1/4	1,730.97
1/2	1/2	1/2	1/2	3,918.63	1/2	3,645.52	1/2	3,371.20	1/2	3,096.87	1/2	2,822.55	1/2	2,548.22	1/2	2,273.90	1/2	1,999.57	1/2	1,725.26
3/4	3/4	3/4	3/4	3,913.87	3/4	3,639.81	3/4	3,365.48	3/4	3,091.16	3/4	2,816.83	3/4	2,542.51	3/4	2,268.18	3/4	1,993.86	3/4	1,719.53
4	4	4	4	3,908.20	4	3,634.09	4	3,359.77	4	3,085.44	4	2,811.12	4	2,536.79	4	2,262.47	4	1,988.14	4	1,713.82
1/4	1/4	1/4	1/4	3,902.54	1/4	3,628.38	1/4	3,354.05	1/4	3,079.73	1/4	2,805.40	1/4	2,531.08	1/4	2,256.75	1/4	1,982.43	1/4	1,708.10
1/2	1/2	1/2	1/2	3,896.87	1/2	3,622.66	1/2	3,348.34	1/2	3,074.01	1/2	2,799.89	1/2	2,525.36	1/2	2,251.04	1/2	1,976.71	1/2	1,702.39
3/4	3/4	3/4	3/4	3,891.21	3/4	3,616.95	3/4	3,342.62	3/4	3,068.30	3/4	2,793.97	3/4	2,519.65	3/4	2,245.32	3/4	1,971.00	3/4	1,696.67
5	5	5	5	3,885.51	5	3,611.23	5	3,336.91	5	3,062.58	5	2,788.26	5	2,513.93	5	2,239.61	5	1,965.28	5	1,690.96
1/4	1/4	1/4	1/4	3,879.81	1/4	3,605.52	1/4	3,331.19	1/4	3,056.87	1/4	2,782.54	1/4	2,508.22	1/4	2,233.89	1/4	1,959.57	1/4	1,685.24
1/2	1/2	1/2	1/2	3,874.10	1/2	3,599.80	1/2	3,325.48	1/2	3,051.15	1/2	2,776.83	1/2	2,502.50	1/2	2,228.18	1/2	1,953.85	1/2	1,679.53
3/4	3/4	3/4	3/4	3,868.40	3/4	3,594.09	3/4	3,319.76	3/4	3,045.44	3/4	2,771.11	3/4	2,496.79	3/4	2,222.46	3/4	1,948.14	3/4	1,673.81
6	6	6	6	3,862.69	6	3,588.37	6	3,314.05	6	3,039.72	6	2,765.40	6	2,491.07	6	2,216.75	6	1,942.42	6	1,668.10
1/4	1/4	1/4	1/4	3,856.98	1/4	3,582.66	1/4	3,308.33	1/4	3,034.01	1/4	2,759.68	1/4	2,485.36	1/4	2,211.03	1/4	1,936.71	1/4	1,662.38
1/2	1/2	1/2	1/2	3,851.26	1/2	3,576.94	1/2	3,302.62	1/2	3,028.29	1/2	2,753.97	1/2	2,479.64	1/2	2,205.32	1/2	1,930.99	1/2	1,656.67
3/4	3/4	3/4	3/4	3,845.55	3/4	3,571.23	3/4	3,296.90	3/4	3,022.58	3/4	2,748.25	3/4	2,473.93	3/4	2,199.60	3/4	1,925.28	3/4	1,650.95
7	7	7	7	3,839.84	7	3,565.51	7	3,291.19	7	3,016.86	7	2,742.54	7	2,468.21	7	2,193.89	7	1,919.56	7	1,645.24
1/4	1/4	1/4	1/4	3,834.12	1/4	3,559.80	1/4	3,285.47	1/4	3,011.15	1/4	2,736.82	1/4	2,462.50	1/4	2,188.17	1/4	1,913.85	1/4	1,639.52
1/2	1/2	1/2	1/2	3,828.41	1/2	3,554.08	1/2	3,279.76	1/2	3,005.43	1/2	2,731.11	1/2	2,456.78	1/2	2,182.46	1/2	1,908.13	1/2	1,633.81
3/4	3/4	3/4	3/4	3,822.69	3/4	3,548.37	3/4	3,274.04	3/4	2,999.72	3/4	2,725.39	3/4	2,451.07	3/4	2,176.74	3/4	1,902.42	3/4	1,628.09
8	8	8	8	3,816.98	8	3,542.65	8	3,268.33	8	2,994.00	8	2,719.68	8	2,445.35	8	2,171.03	8	1,896.70	8	1,622.38
1/4	1/4	1/4	1/4	3,811.26	1/4	3,536.94	1/4	3,262.61	1/4	2,988.29	1/4	2,713.96	1/4	2,439.64	1/4	2,165.31	1/4	1,890.99	1/4	1,616.66
1/2	1/2	1/2	1/2	3,805.55	1/2	3,531.22	1/2	3,256.90	1/2	2,982.57	1/2	2,708.25	1/2	2,433.92	1/2	2,159.60	1/2	1,885.27	1/2	1,610.95
3/4	3/4	3/4	3/4	3,799.83	3/4	3,525.51	3/4	3,251.18	3/4	2,976.86	3/4	2,702.53	3/4	2,428.21	3/4	2,153.88	3/4	1,879.56	3/4	1,605.23
9	9	9	9	3,794.12	9	3,519.79	9	3,245.47	9	2,971.14	9	2,696.82	9	2,422.49	9	2,148.17	9	1,873.84	9	1,599.52
1/4	1/4	1/4	1/4	3,788.40	1/4	3,514.08	1/4	3,239.75	1/4	2,965.43	1/4	2,691.10	1/4	2,416.78	1/4	2,142.45	1/4	1,868.13	1/4	1,593.80
1/2	1/2	1/2	1/2	3,782.69	1/2	3,508.36	1/2	3,234.04	1/2	2,959.71	1/2	2,685.39	1/2	2,411.06	1/2	2,136.74	1/2	1,862.41	1/2	1,588.09
3/4	3/4	3/4	3/4	3,776.97	3/4	3,502.65	3/4	3,228.32	3/4	2,954.00	3/4	2,679.67	3/4	2,405.35	3/4	2,131.02	3/4	1,856.70	3/4	1,582.37
10	10	10	10	3,771.26	10	3,496.93	10	3,222.61	10	2,948.28	10	2,673.95	10	2,399.63	10	2,125.31	10	1,850.98	10	1,576.66
1/4	1/4	1/4	1/4	3,765.54	1/4	3,491.22	1/4	3,216.89	1/4	2,942.57	1/4	2,668.24	1/4	2,393.92	1/4	2,119.59	1/4	1,845.27	1/4	1,570.94
1/2	1/2	1/2	1/2	3,759.83	1/2	3,485.50	1/2	3,211.18	1/2	2,936.85	1/2	2,662.53	1/2	2,388.20	1/2	2,113.88	1/2	1,839.55	1/2	1,565.23
3/4	3/4	3/4	3/4	3,754.11	3/4	3,479.79	3/4	3,205.46	3/4	2,931.14	3/4	2,656.81	3/4	2,382.49	3/4	2,108.16	3/4	1,833.84	3/4	1,559.51
11	11	11	11	3,748.40	11	3,474.07	11	3,199.75	11	2,925.42	11	2,651.10	11	2,376.77	11	2,102.45	11	1,828.12	11	1,553.80
1/4	1/4	1/4	1/4	3,742.68	1/4	3,468.36	1/4	3,194.03	1/4	2,919.71	1/4	2,645.38	1/4	2,371.06	1/4	2,096.73	1/4	1,822.41	1/4	1,548.08
1/2	1/2	1/2	1/2	3,736.97	1/2	3,462.64	1/2	3,188.32	1/2	2,913.99	1/2	2,639.67	1/2	2,365.34	1/2	2,091.02	1/2	1,816.69	1/2	1,542.37
3/4	3/4	3/4	3/4	3,731.25	3/4	3,456.93	3/4	3,182.60	3/4	2,908.28	3/4	2,633.95	3/4	2,359.63	3/4	2,085.30	3/4	1,810.98	3/4	1,536.65

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pasadena, Texas 77688
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BARGE CBC 1119 (ex: E2MS 107)

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	1,530.94	1,256.61	982.29	713.62	440.49	166.18				
1/4	1,525.22	1,250.90	976.57	708.08	434.78	160.46				
1/2	1,519.51	1,245.18	970.86	702.54	429.06	154.75				
3/4	1,513.79	1,239.47	965.14	696.99	423.35	149.03				
1	1,508.08	1,233.75	959.43	691.44	417.63	143.32				
1 1/4	1,502.36	1,228.04	953.71	685.90	411.92	137.60				
1 1/2	1,496.65	1,222.32	948.00	680.35	406.20	131.89				
3/4	1,490.93	1,216.61	942.28	674.80	400.49	126.17				
2	1,485.22	1,210.89	936.57	669.09	394.77	120.46				
1 1/4	1,479.50	1,205.18	930.85	663.37	389.06	114.74				
1 1/2	1,473.79	1,199.46	925.14	657.66	383.34	109.03				
3/4	1,468.07	1,193.75	919.42	651.94	377.63	103.31				
3	1,462.36	1,188.03	913.71	646.23	371.91	97.60				
1 1/4	1,456.64	1,182.32	907.99	640.51	366.20	91.89				
1 1/2	1,450.93	1,176.60	902.28	634.80	360.48	86.17				
3/4	1,445.21	1,170.89	896.56	629.08	354.77	80.46				
4	1,439.49	1,165.17	891.01	623.37	349.05	74.75				
1 1/4	1,433.78	1,159.46	885.46	617.65	343.34	69.06				
1 1/2	1,428.06	1,153.74	879.92	611.94	337.62	63.36				
3/4	1,422.35	1,148.02	874.37	606.22	331.91	57.66				
6	1,416.63	1,142.31	868.83	600.51	326.19	51.99				
1 1/4	1,410.92	1,136.59	863.28	594.79	320.48	46.33				
1 1/2	1,405.20	1,130.88	857.74	589.08	314.76	40.66				
3/4	1,399.49	1,125.16	852.20	583.36	309.05	35.00				
8	1,393.77	1,119.45	846.65	577.65	303.33	29.24				
1 1/4	1,388.06	1,113.73	841.11	571.93	297.62	23.48				
1 1/2	1,382.34	1,108.02	835.57	566.22	291.90	17.72				
3/4	1,376.63	1,102.30	830.02	560.50	286.19	11.96				
7	1,370.91	1,096.59	824.48	554.79	280.47	6.20				
1 1/4	1,365.20	1,090.87	818.94	549.07	274.76	0.44				
1 1/2	1,359.48	1,085.16	813.40	543.36	269.04	-3.32				
3/4	1,353.77	1,079.44	807.85	537.64	263.33	-7.07				
8	1,348.05	1,073.73	802.31	531.93	257.61	-10.81				
1 1/4	1,342.34	1,068.01	796.77	526.21	251.90	-14.56				
1 1/2	1,336.62	1,062.30	791.22	520.50	246.18	-18.30				
3/4	1,330.91	1,056.58	785.68	514.78	240.47	-22.04				
9	1,325.19	1,050.87	780.14	509.07	234.75	-25.78				
1 1/4	1,319.48	1,045.15	774.59	503.35	229.04	-29.52				
1 1/2	1,313.76	1,039.44	769.05	497.64	223.32	-33.26				
3/4	1,308.05	1,033.72	763.51	491.92	217.61	-37.00				
10	1,302.33	1,028.01	757.97	486.21	211.89	-40.74				
1 1/4	1,296.62	1,022.29	752.42	480.50	206.18	-44.48				
1 1/2	1,290.90	1,016.58	746.88	474.78	200.46	-48.22				
3/4	1,285.19	1,010.86	741.34	469.07	194.75	-51.96				
11	1,279.47	1,005.15	735.79	463.35	189.04	-55.70				
1 1/4	1,273.76	999.43	730.25	457.64	183.32	-59.44				
1 1/2	1,268.04	993.72	724.71	451.92	177.61	-63.18				
3/4	1,262.33	988.00	719.16	446.21	171.89	-66.92				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 JS
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2082
Pearland, Texas 77588
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BARGE CBC 1119 (ex: E2MS 107)

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

Table with columns for depth (0 FT. to 11 FT.) and ullage height (0 to 9 FT.), containing capacity values in barrels.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7. CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL. CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK. CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE. GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 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

Signature of Precision Measurement & Analysis, Inc.



BARGE CBC 1119 (ex: E2MS 107)

**3 CENTER
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	1,340.89	1,095.20	849.54	604.37	358.72	113.07	0	0	0	0
1/4	1,335.74	1,090.08	844.42	599.25	353.60	107.95				
1/2	1,330.62	1,084.98	839.30	594.13	348.48	102.83				
3/4	1,325.50	1,079.85	834.19	589.01	343.36	97.71				
1	1,320.39	1,074.73	829.07	583.89	338.25	92.60				
1 1/4	1,315.27	1,069.61	823.95	578.78	333.13	87.48				
1 1/2	1,310.15	1,064.49	818.83	573.66	328.01	82.36				
3/4	1,305.03	1,059.37	813.71	568.54	322.89	77.25				
2	1,299.92	1,054.26	808.60	563.42	317.77	72.13				
1 1/4	1,294.80	1,049.14	803.49	558.31	312.66	67.03				
1 1/2	1,289.68	1,044.02	798.38	553.19	307.54	61.92				
3/4	1,284.56	1,038.90	793.27	548.07	302.42	56.82				
3	1,279.44	1,033.78	788.16	542.95	297.30	51.71				
1 1/4	1,274.33	1,028.67	783.05	537.84	292.19	46.64				
1 1/2	1,269.21	1,023.55	777.95	532.72	287.07	41.58				
3/4	1,264.09	1,018.43	772.84	527.60	281.95	36.49				
4	1,258.97	1,013.31	767.74	522.48	276.83	31.42				
1 1/4	1,253.85	1,008.19	762.63	517.36	271.72	27.16				
1 1/2	1,248.74	1,003.08	757.53	512.25	266.60	22.89				
3/4	1,243.62	997.96	752.43	507.13	261.48	18.83				
6	1,238.50	992.84	747.32	502.01	256.36	14.37				
1 1/4	1,233.38	987.72	742.22	496.89	251.24	11.81				
1 1/2	1,228.26	982.61	737.11	491.78	246.13	9.25				
3/4	1,223.15	977.49	732.01	486.66	241.01	6.69				
8	1,218.03	972.37	726.90	481.54	235.89	4.14				
1 1/4	1,212.91	967.25	721.80	476.42	230.77	3.28				
1 1/2	1,207.79	962.13	716.89	471.31	225.66	2.43				
3/4	1,202.68	957.02	711.59	466.19	220.54	1.58				
7	1,197.56	951.90	706.48	461.07	215.42	0.73				
1 1/4	1,192.44	946.78	701.38	455.95	210.30					
1 1/2	1,187.32	941.66	696.27	450.83	205.18					
3/4	1,182.20	936.54	691.17	445.72	200.07					
8	1,177.09	931.43	686.06	440.60	194.95					
1 1/4	1,171.97	926.31	680.96	435.48	189.83					
1 1/2	1,166.85	921.19	675.86	430.36	184.71					
3/4	1,161.73	916.07	670.75	425.25	179.60					
9	1,156.61	910.95	665.65	420.13	174.48					
1 1/4	1,151.50	905.84	660.54	415.01	169.36					
1 1/2	1,146.38	900.72	655.44	409.89	164.24					
3/4	1,141.26	895.60	650.33	404.78	159.13					
10	1,136.14	890.48	645.23	399.66	154.01					
1 1/4	1,131.02	885.37	640.12	394.54	148.89					
1 1/2	1,125.91	880.25	635.02	389.42	143.77					
3/4	1,120.79	875.13	629.91	384.30	138.65					
11	1,115.67	870.01	624.81	379.19	133.54					
1 1/4	1,110.55	864.89	619.70	374.07	128.42					
1 1/2	1,105.43	859.78	614.59	368.95	123.30					
3/4	1,100.32	854.66	609.48	363.83	118.18					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 JS
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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

OWNER: Maritime Partners, LLC
DESCRIPTION: Double Skin, Rake Tank Barge
SIZE: 200'-0"x35'-0"x12'-6"

CONTRACT: 75422
HULL: 6082-6
NAME: CBC 1119 ex. E2MS 107
DATE: 8-Aug-19

VESSEL DISPLACEMENT AND CARGO DEADWEIGHT TABLE (FRESH WATER)

	DRAFT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT	12 FT
DISPLACEMENT	0 IN	403	608	815	1024	1234	1447	1660	1875	2090	2307	2525
DEADWEIGHT		7	212	419	627	838	1050	1264	1478	1694	1911	2129
DISPLACEMENT	1 IN	420	625	832	1041	1252	1464	1678	1893	2108	2325	
DEADWEIGHT		24	229	436	645	856	1068	1281	1496	1712	1929	
DISPLACEMENT	2 IN	437	642	850	1059	1270	1482	1696	1910	2126	2343	
DEADWEIGHT		41	246	453	662	873	1086	1299	1514	1730	1947	
DISPLACEMENT	3 IN	454	660	867	1076	1287	1500	1713	1928	2144	2362	
DEADWEIGHT		58	263	471	680	891	1103	1317	1532	1748	1965	
DISPLACEMENT	4 IN	471	677	884	1094	1305	1518	1731	1946	2163	2380	
DEADWEIGHT		75	280	488	698	909	1121	1335	1550	1766	1983	
DISPLACEMENT	5 IN	488	694	902	1111	1323	1535	1749	1964	2181	2398	
DEADWEIGHT		92	298	505	715	926	1139	1353	1568	1784	2001	
DISPLACEMENT	6 IN	505	711	919	1129	1340	1553	1767	1982	2199	2416	
DEADWEIGHT		109	315	523	733	944	1157	1371	1586	1802	2020	
DISPLACEMENT	7 IN	522	728	937	1146	1358	1571	1785	2000	2217	2434	
DEADWEIGHT		126	332	540	750	962	1174	1389	1604	1820	2038	
DISPLACEMENT	8 IN	540	746	954	1164	1376	1589	1803	2018	2235	2452	
DEADWEIGHT		143	349	558	768	979	1192	1407	1622	1838	2056	
DISPLACEMENT	9 IN	557	763	971	1182	1393	1606	1821	2036	2253	2470	
DEADWEIGHT		160	367	575	785	997	1210	1424	1640	1857	2074	
DISPLACEMENT	10 IN	574	780	989	1199	1411	1624	1839	2054	2271	2489	
DEADWEIGHT		177	384	593	803	1015	1228	1442	1658	1875	2092	
DISPLACEMENT	11 IN	591	798	1006	1217	1429	1642	1857	2072	2289	2507	
DEADWEIGHT		195	401	610	820	1032	1246	1460	1676	1893	2110	

DISPLACEMENT & DEADWEIGHT ARE IN SHORT TONS. ONE SHORT TON (S.TON) = 2000 POUNDS
 LIGHTSHIP WEIGHT (LWT) IS DERIVED FROM FREEBOARD READINGS LWT = 396 S.TON

NOTES:

1. TABLE DATA IS BASED ON DRAFTS IN FRESH WATER AT 32.05 (CU. FT. PER S. TON) OR 62.4 (LBS PER CU. FT.).
2. TO OBTAIN DISPLACEMENT IN SEA WATER AT 31.25 (CU. FT. PER S. TON) OR 64.0 (LBS PER CU. FT.), MULTIPLY THE TABLE DISPLACEMENT BY 1.025, TO OBTAIN THE CORRESPONDING CARGO DEADWEIGHT, SUBTRACT THE LIGHTSHIP WEIGHT (LWT) FROM THE CALCULATED DISPLACEMENT IN SEA WATER.
3. ACTUAL DISPLACEMENTS AND DEADWEIGHTS MAY VARY DUE TO ACCURACY OF DRAFT READINGS, WEATHER CONDITIONS, SPECIFIC GRAVITY OF WATER, DECK LOADS, RESIDUE IN BILGES ALTERATIONS OR CHANGES TO THE VESSEL SINCE REFERENCE FREEBOARD READINGS WERE TAKEN, etc.
4. ALL DATA IS BASED ON ZERO TRIM.