



BARGE "CBC 345"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-9"

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		0		0	4,908.53	0	4,577.51	0	4,232.33	0	3,874.13	0	3,511.42	0	3,148.71	0	2,786.00
1/4		1/4		1/4		1/4	4,901.77	1/4	4,570.45	1/4	4,224.99	1/4	3,866.57	1/4	3,503.86	1/4	3,141.15	1/4	2,778.45
1/2		1/2		1/2		1/2	4,895.01	1/2	4,563.39	1/2	4,217.65	1/2	3,859.01	1/2	3,496.31	1/2	3,133.60	1/2	2,770.89
3/4		3/4		3/4		3/4	4,888.25	3/4	4,556.32	3/4	4,210.31	3/4	3,851.46	3/4	3,488.75	3/4	3,126.04	3/4	2,763.33
1		1		1	5,194.54	1	4,881.49	1	4,549.26	1	4,202.97	1	3,843.90	1	3,481.19	1	3,118.49	1	2,755.78
1/4		1/4		1/4	5,189.42	1/4	4,874.71	1/4	4,542.17	1/4	4,195.61	1/4	3,836.34	1/4	3,473.64	1/4	3,110.93	1/4	2,748.22
1/2		1/2		1/2	5,184.30	1/2	4,867.92	1/2	4,535.08	1/2	4,188.24	1/2	3,828.79	1/2	3,466.08	1/2	3,103.37	1/2	2,740.67
3/4		3/4		3/4	5,179.18	3/4	4,861.14	3/4	4,527.99	3/4	4,180.88	3/4	3,821.23	3/4	3,458.52	3/4	3,095.82	3/4	2,733.11
2		2		2	5,174.06	2	4,854.36	2	4,520.90	2	4,173.52	2	3,813.67	2	3,450.97	2	3,088.26	2	2,725.55
1/4		1/4		1/4	5,167.72	1/4	4,847.55	1/4	4,513.79	1/4	4,166.13	1/4	3,806.12	1/4	3,443.41	1/4	3,080.70	1/4	2,718.00
1/2		1/2		1/2	5,161.39	1/2	4,840.75	1/2	4,506.68	1/2	4,158.74	1/2	3,798.56	1/2	3,435.85	1/2	3,073.15	1/2	2,710.44
3/4		3/4		3/4	5,155.05	3/4	4,833.94	3/4	4,499.57	3/4	4,151.36	3/4	3,791.00	3/4	3,428.30	3/4	3,065.59	3/4	2,702.88
3		3		3	5,148.72	3	4,827.14	3	4,492.46	3	4,143.97	3	3,783.45	3	3,420.74	3	3,058.03	3	2,695.33
1/4		1/4		1/4	5,141.52	1/4	4,820.31	1/4	4,485.33	1/4	4,136.56	1/4	3,775.89	1/4	3,413.18	1/4	3,050.48	1/4	2,687.77
1/2		1/2		1/2	5,134.31	1/2	4,813.48	1/2	4,478.19	1/2	4,129.15	1/2	3,768.34	1/2	3,405.63	1/2	3,042.92	1/2	2,680.21
3/4		3/4		3/4	5,127.11	3/4	4,806.65	3/4	4,471.06	3/4	4,121.74	3/4	3,760.78	3/4	3,398.07	3/4	3,035.36	3/4	2,672.66
4		4		4	5,119.91	4	4,799.82	4	4,463.93	4	4,114.33	4	3,753.22	4	3,390.52	4	3,027.81	4	2,665.10
1/4		1/4		1/4	5,113.41	1/4	4,792.97	1/4	4,456.77	1/4	4,106.90	1/4	3,745.67	1/4	3,382.96	1/4	3,020.25	1/4	2,657.54
1/2		1/2		1/2	5,106.90	1/2	4,786.12	1/2	4,449.61	1/2	4,099.47	1/2	3,738.11	1/2	3,375.40	1/2	3,012.70	1/2	2,649.99
3/4		3/4		3/4	5,100.39	3/4	4,779.27	3/4	4,442.46	3/4	4,092.03	3/4	3,730.55	3/4	3,367.85	3/4	3,005.14	3/4	2,642.43
5		5		5	5,093.89	5	4,772.42	5	4,435.30	5	4,084.60	5	3,723.00	5	3,360.29	5	2,997.58	5	2,634.88
1/4		1/4		1/4	5,087.36	1/4	4,765.54	1/4	4,428.12	1/4	4,077.14	1/4	3,715.44	1/4	3,352.73	1/4	2,990.03	1/4	2,627.32
1/2		1/2		1/2	5,080.83	1/2	4,758.67	1/2	4,420.94	1/2	4,069.69	1/2	3,707.88	1/2	3,345.18	1/2	2,982.47	1/2	2,619.77
3/4		3/4		3/4	5,074.30	3/4	4,751.79	3/4	4,413.76	3/4	4,062.23	3/4	3,700.33	3/4	3,337.62	3/4	2,974.91	3/4	2,612.21
6		6		6	5,067.77	6	4,744.92	6	4,406.58	6	4,054.78	6	3,692.77	6	3,330.06	6	2,967.36	6	2,604.66
1/4		1/4		1/4	5,061.22	1/4	4,738.02	1/4	4,399.38	1/4	4,047.30	1/4	3,685.22	1/4	3,322.51	1/4	2,959.80	1/4	2,597.10
1/2		1/2		1/2	5,054.67	1/2	4,731.12	1/2	4,392.18	1/2	4,039.82	1/2	3,677.66	1/2	3,314.95	1/2	2,952.24	1/2	2,589.54
3/4		3/4		3/4	5,048.11	3/4	4,724.22	3/4	4,384.97	3/4	4,032.34	3/4	3,670.10	3/4	3,307.40	3/4	2,944.69	3/4	2,581.98
7		7		7	5,041.56	7	4,717.33	7	4,377.77	7	4,024.86	7	3,662.55	7	3,299.84	7	2,937.13	7	2,574.42
1/4		1/4		1/4	5,034.99	1/4	4,710.40	1/4	4,370.54	1/4	4,017.36	1/4	3,654.99	1/4	3,292.28	1/4	2,929.58	1/4	2,566.86
1/2		1/2		1/2	5,028.41	1/2	4,703.48	1/2	4,363.32	1/2	4,009.86	1/2	3,647.43	1/2	3,284.73	1/2	2,922.02	1/2	2,559.30
3/4		3/4		3/4	5,021.84	3/4	4,696.55	3/4	4,356.09	3/4	4,002.36	3/4	3,639.88	3/4	3,277.17	3/4	2,914.46	3/4	2,551.74
8		8		8	5,015.26	8	4,689.63	8	4,348.87	8	3,994.86	8	3,632.32	8	3,269.61	8	2,906.91	8	2,544.18
1/4		1/4		1/4	5,008.66	1/4	4,682.66	1/4	4,341.62	1/4	3,987.33	1/4	3,624.76	1/4	3,262.06	1/4	2,899.35	1/4	2,536.63
1/2		1/2		1/2	5,002.06	1/2	4,675.68	1/2	4,334.37	1/2	3,979.81	1/2	3,617.21	1/2	3,254.50	1/2	2,891.79	1/2	2,529.07
3/4		3/4		3/4	4,995.47	3/4	4,668.71	3/4	4,327.12	3/4	3,972.28	3/4	3,609.65	3/4	3,246.94	3/4	2,884.24	3/4	2,521.51
9		9		9	4,988.87	9	4,661.74	9	4,319.87	9	3,964.76	9	3,602.09	9	3,239.39	9	2,876.68	9	2,513.95
1/4		1/4		1/4	4,982.24	1/4	4,654.74	1/4	4,312.60	1/4	3,957.21	1/4	3,594.54	1/4	3,231.83	1/4	2,869.12	1/4	2,506.39
1/2		1/2		1/2	4,975.61	1/2	4,647.75	1/2	4,305.33	1/2	3,949.67	1/2	3,586.98	1/2	3,224.27	1/2	2,861.57	1/2	2,498.83
3/4		3/4		3/4	4,968.98	3/4	4,640.75	3/4	4,298.06	3/4	3,942.12	3/4	3,579.43	3/4	3,216.72	3/4	2,854.01	3/4	2,491.27
10		10		10	4,962.35	10	4,633.76	10	4,290.78	10	3,934.58	10	3,571.87	10	3,209.16	10	2,846.45	10	2,483.71
1/4		1/4		1/4	4,955.63	1/4	4,626.74	1/4	4,283.49	1/4	3,927.02	1/4	3,564.31	1/4	3,201.61	1/4	2,838.90	1/4	2,476.15
1/2		1/2		1/2	4,948.91	1/2	4,619.72	1/2	4,276.20	1/2	3,919.46	1/2	3,556.76	1/2	3,194.05	1/2	2,831.34	1/2	2,468.59
3/4		3/4		3/4	4,942.20	3/4	4,612.70	3/4	4,268.90	3/4	3,911.91	3/4	3,549.20	3/4	3,186.49	3/4	2,823.79	3/4	2,461.03
11		11		11	4,935.48	11	4,605.68	11	4,261.61	11	3,904.35	11	3,541.64	11	3,178.94	11	2,816.23	11	2,453.47
1/4		1/4		1/4	4,928.74	1/4	4,598.64	1/4	4,254.29	1/4	3,896.79	1/4	3,534.09	1/4	3,171.38	1/4	2,808.67	1/4	2,445.92
1/2		1/2		1/2	4,922.00	1/2	4,591.60	1/2	4,246.97	1/2	3,889.24	1/2	3,526.53	1/2	3,163.82	1/2	2,801.12	1/2	2,438.36
3/4		3/4		3/4	4,915.27	3/4	4,584.56	3/4	4,239.65	3/4	3,881.68	3/4	3,518.97	3/4	3,156.27	3/4	2,793.56	3/4	2,430.80

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 THE TOP LIP OF 4" STANDPIPE.

GAUGE POINT: (4 INCH) LOCATED 10'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 345"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16-9"

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	2,423.24	0	2,060.40	0	1,697.55	0	1,334.71	0	972.27	0	609.54	0	268.63	0		0		0	
1/4	2,415.68	1/4	2,052.84	1/4	1,690.00	1/4	1,327.15	1/4	964.73	1/4	601.98	1/4	261.07	1/4		1/4		1/4	
1/2	2,408.12	1/2	2,045.28	1/2	1,682.44	1/2	1,319.59	1/2	957.18	1/2	594.42	1/2	253.51	1/2		1/2		1/2	
3/4	2,400.56	3/4	2,037.72	3/4	1,674.88	3/4	1,312.04	3/4	949.63	3/4	586.87	3/4	245.95	3/4		3/4		3/4	
1	2,393.00	1	2,030.16	1	1,667.32	1	1,304.48	1	942.09	1	579.31	1	238.40	1		1		1	
1/4	2,385.44	1/4	2,022.60	1/4	1,659.76	1/4	1,296.92	1/4	934.54	1/4	571.75	1/4	230.84	1/4		1/4		1/4	
1/2	2,377.88	1/2	2,015.04	1/2	1,652.20	1/2	1,289.36	1/2	926.99	1/2	564.19	1/2	223.28	1/2		1/2		1/2	
3/4	2,370.32	3/4	2,007.48	3/4	1,644.64	3/4	1,281.80	3/4	919.44	3/4	556.63	3/4	215.72	3/4		3/4		3/4	
2	2,362.76	2	1,999.92	2	1,637.08	2	1,274.24	2	911.90	2	549.07	2	208.16	2		2		2	
1/4	2,355.20	1/4	1,992.36	1/4	1,629.52	1/4	1,266.68	1/4	904.34	1/4	541.51	1/4	200.60	1/4		1/4		1/4	
1/2	2,347.65	1/2	1,984.80	1/2	1,621.96	1/2	1,259.12	1/2	896.78	1/2	533.95	1/2	193.04	1/2		1/2		1/2	
3/4	2,340.09	3/4	1,977.24	3/4	1,614.40	3/4	1,251.56	3/4	889.22	3/4	526.39	3/4	185.48	3/4		3/4		3/4	
3	2,332.53	3	1,969.69	3	1,606.84	3	1,244.00	3	881.66	3	518.84	3	177.92	3		3		3	
1/4	2,324.97	1/4	1,962.13	1/4	1,599.28	1/4	1,236.45	1/4	874.10	1/4	511.28	1/4	170.37	1/4		1/4		1/4	
1/2	2,317.41	1/2	1,954.57	1/2	1,591.73	1/2	1,228.89	1/2	866.54	1/2	503.72	1/2	162.81	1/2		1/2		1/2	
3/4	2,309.85	3/4	1,947.01	3/4	1,584.17	3/4	1,221.33	3/4	858.99	3/4	496.16	3/4	155.25	3/4		3/4		3/4	
4	2,302.29	4	1,939.45	4	1,576.61	4	1,213.77	4	851.43	4	488.60	4	147.69	4		4		4	
1/4	2,294.73	1/4	1,931.89	1/4	1,569.05	1/4	1,206.23	1/4	843.87	1/4	481.04	1/4	140.13	1/4		1/4		1/4	
1/2	2,287.17	1/2	1,924.33	1/2	1,561.49	1/2	1,198.68	1/2	836.31	1/2	473.48	1/2	132.57	1/2		1/2		1/2	
3/4	2,279.61	3/4	1,916.77	3/4	1,553.93	3/4	1,191.13	3/4	828.75	3/4	465.92	3/4	125.01	3/4		3/4		3/4	
5	2,272.05	5	1,909.21	5	1,546.37	5	1,183.59	5	821.19	5	458.36	5	117.45	5		5		5	
1/4	2,264.49	1/4	1,901.65	1/4	1,538.81	1/4	1,176.04	1/4	813.63	1/4	450.81	1/4	109.97	1/4		1/4		1/4	
1/2	2,256.94	1/2	1,894.09	1/2	1,531.25	1/2	1,168.49	1/2	806.07	1/2	443.25	1/2	102.49	1/2		1/2		1/2	
3/4	2,249.38	3/4	1,886.53	3/4	1,523.69	3/4	1,160.95	3/4	798.51	3/4	435.69	3/4	95.01	3/4		3/4		3/4	
6	2,241.82	6	1,878.98	6	1,516.13	6	1,153.40	6	790.96	6	428.13	6	87.53	6		6		6	
1/4	2,234.26	1/4	1,871.42	1/4	1,508.57	1/4	1,145.85	1/4	783.40	1/4	420.57	1/4	80.76	1/4		1/4		1/4	
1/2	2,226.70	1/2	1,863.86	1/2	1,501.02	1/2	1,138.31	1/2	775.84	1/2	413.01	1/2	73.99	1/2		1/2		1/2	
3/4	2,219.14	3/4	1,856.30	3/4	1,493.46	3/4	1,130.76	3/4	768.28	3/4	405.45	3/4	67.22	3/4		3/4		3/4	
7	2,211.58	7	1,848.74	7	1,485.90	7	1,123.21	7	760.72	7	397.89	7	60.45	7		7		7	
1/4	2,204.02	1/4	1,841.18	1/4	1,478.34	1/4	1,115.66	1/4	753.16	1/4	390.33	1/4	54.94	1/4		1/4		1/4	
1/2	2,196.46	1/2	1,833.62	1/2	1,470.78	1/2	1,108.12	1/2	745.60	1/2	382.78	1/2	49.43	1/2		1/2		1/2	
3/4	2,188.90	3/4	1,826.06	3/4	1,463.22	3/4	1,100.57	3/4	738.04	3/4	375.22	3/4	43.92	3/4		3/4		3/4	
8	2,181.34	8	1,818.50	8	1,455.66	8	1,093.02	8	730.48	8	367.66	8	38.40	8		8		8	
1/4	2,173.78	1/4	1,810.94	1/4	1,448.10	1/4	1,085.48	1/4	722.93	1/4	360.10	1/4	34.15	1/4		1/4		1/4	
1/2	2,166.22	1/2	1,803.38	1/2	1,440.54	1/2	1,077.93	1/2	715.37	1/2	352.54	1/2	29.90	1/2		1/2		1/2	
3/4	2,158.67	3/4	1,795.82	3/4	1,432.98	3/4	1,070.38	3/4	707.81	3/4	344.98	3/4	25.65	3/4		3/4		3/4	
9	2,151.11	9	1,788.26	9	1,425.42	9	1,062.84	9	700.25	9	337.42	9	21.40	9		9		9	
1/4	2,143.55	1/4	1,780.71	1/4	1,417.86	1/4	1,055.29	1/4	692.69	1/4	329.86	1/4		1/4		1/4		1/4	
1/2	2,135.99	1/2	1,773.15	1/2	1,410.30	1/2	1,047.74	1/2	685.13	1/2	322.30	1/2		1/2		1/2		1/2	
3/4	2,128.43	3/4	1,765.59	3/4	1,402.75	3/4	1,040.20	3/4	677.57	3/4	314.74	3/4		3/4		3/4		3/4	
10	2,120.87	10	1,758.03	10	1,395.19	10	1,032.65	10	670.01	10	308.56	10		10		10		10	
1/4	2,113.31	1/4	1,750.47	1/4	1,387.63	1/4	1,025.10	1/4	662.45	1/4	303.74	1/4		1/4		1/4		1/4	
1/2	2,105.75	1/2	1,742.91	1/2	1,380.07	1/2	1,017.55	1/2	654.90	1/2	298.92	1/2		1/2		1/2		1/2	
3/4	2,098.19	3/4	1,735.35	3/4	1,372.51	3/4	1,010.01	3/4	647.34	3/4	294.10	3/4		3/4		3/4		3/4	
11	2,090.63	11	1,727.79	11	1,364.95	11	1,002.46	11	639.78	11	289.28	11		11		11		11	
1/4	2,083.07	1/4	1,720.23	1/4	1,357.39	1/4	994.91	1/4	632.22	1/4	284.46	1/4		1/4		1/4		1/4	
1/2	2,075.51	1/2	1,712.67	1/2	1,349.83	1/2	987.37	1/2	624.66	1/2	279.64	1/2		1/2		1/2		1/2	
3/4	2,067.96	3/4	1,705.11	3/4	1,342.27	3/4	979.82	3/4	617.10	3/4	274.82	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 SW
CALCULATED: 03/19/2014 CL
RE PRINTED: 04/17/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

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



BARGE "CBC 345"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-9"

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		0		0	4,906.68	0	4,575.64	0	4,230.44	0	3,872.23	0	3,509.52	0	3,146.81	0	2,784.11
1/4		1/4		1/4		1/4	4,899.92	1/4	4,568.57	1/4	4,223.10	1/4	3,864.67	1/4	3,501.96	1/4	3,139.26	1/4	2,776.55
1/2		1/2		1/2		1/2	4,893.16	1/2	4,561.51	1/2	4,215.76	1/2	3,857.12	1/2	3,494.41	1/2	3,131.70	1/2	2,768.99
3/4		3/4		3/4		3/4	4,886.40	3/4	4,554.44	3/4	4,208.42	3/4	3,849.56	3/4	3,486.85	3/4	3,124.14	3/4	2,761.44
1		1		1	5,192.71	1	4,879.64	1	4,547.38	1	4,201.08	1	3,842.00	1	3,479.30	1	3,116.59	1	2,753.88
1/4		1/4		1/4	5,187.59	1/4	4,872.85	1/4	4,540.29	1/4	4,193.71	1/4	3,834.45	1/4	3,471.74	1/4	3,109.03	1/4	2,746.32
1/2		1/2		1/2	5,182.47	1/2	4,866.07	1/2	4,533.20	1/2	4,186.35	1/2	3,826.89	1/2	3,464.18	1/2	3,101.48	1/2	2,738.77
3/4		3/4		3/4	5,177.35	3/4	4,859.29	3/4	4,526.11	3/4	4,178.99	3/4	3,819.33	3/4	3,456.63	3/4	3,093.92	3/4	2,731.21
2		2		2	5,172.23	2	4,852.50	2	4,519.02	2	4,171.62	2	3,811.78	2	3,449.07	2	3,086.36	2	2,723.66
1/4		1/4		1/4	5,165.89	1/4	4,845.70	1/4	4,511.91	1/4	4,164.24	1/4	3,804.22	1/4	3,441.51	1/4	3,078.81	1/4	2,716.10
1/2		1/2		1/2	5,159.56	1/2	4,838.89	1/2	4,504.80	1/2	4,156.85	1/2	3,796.66	1/2	3,433.96	1/2	3,071.25	1/2	2,708.54
3/4		3/4		3/4	5,153.22	3/4	4,832.08	3/4	4,497.69	3/4	4,149.46	3/4	3,789.11	3/4	3,426.40	3/4	3,063.69	3/4	2,700.99
3		3		3	5,146.89	3	4,825.28	3	4,490.58	3	4,142.08	3	3,781.55	3	3,418.84	3	3,056.14	3	2,693.43
1/4		1/4		1/4	5,139.69	1/4	4,818.45	1/4	4,483.44	1/4	4,134.67	1/4	3,773.99	1/4	3,411.29	1/4	3,048.58	1/4	2,685.87
1/2		1/2		1/2	5,132.49	1/2	4,811.62	1/2	4,476.31	1/2	4,127.26	1/2	3,766.44	1/2	3,403.73	1/2	3,041.02	1/2	2,678.32
3/4		3/4		3/4	5,125.29	3/4	4,804.79	3/4	4,469.18	3/4	4,119.85	3/4	3,758.88	3/4	3,396.17	3/4	3,033.47	3/4	2,670.76
4		4		4	5,118.09	4	4,797.96	4	4,462.04	4	4,112.44	4	3,751.33	4	3,388.62	4	3,025.91	4	2,663.20
1/4		1/4		1/4	5,111.58	1/4	4,791.11	1/4	4,454.89	1/4	4,105.00	1/4	3,743.77	1/4	3,381.06	1/4	3,018.35	1/4	2,655.65
1/2		1/2		1/2	5,105.07	1/2	4,784.26	1/2	4,447.73	1/2	4,097.57	1/2	3,736.21	1/2	3,373.51	1/2	3,010.80	1/2	2,648.09
3/4		3/4		3/4	5,098.57	3/4	4,777.40	3/4	4,440.57	3/4	4,090.14	3/4	3,728.66	3/4	3,365.95	3/4	3,003.24	3/4	2,640.53
5		5		5	5,092.06	5	4,770.55	5	4,433.41	5	4,082.70	5	3,721.10	5	3,358.39	5	2,995.69	5	2,632.98
1/4		1/4		1/4	5,085.53	1/4	4,763.68	1/4	4,426.23	1/4	4,075.25	1/4	3,713.54	1/4	3,350.84	1/4	2,988.13	1/4	2,625.42
1/2		1/2		1/2	5,079.00	1/2	4,756.80	1/2	4,419.05	1/2	4,067.79	1/2	3,705.99	1/2	3,343.28	1/2	2,980.57	1/2	2,617.86
3/4		3/4		3/4	5,072.47	3/4	4,749.93	3/4	4,411.87	3/4	4,060.34	3/4	3,698.43	3/4	3,335.72	3/4	2,973.02	3/4	2,610.30
6		6		6	5,065.94	6	4,743.05	6	4,404.69	6	4,052.88	6	3,690.87	6	3,328.17	6	2,965.46	6	2,602.74
1/4		1/4		1/4	5,059.39	1/4	4,736.15	1/4	4,397.49	1/4	4,045.40	1/4	3,683.32	1/4	3,320.61	1/4	2,957.90	1/4	2,595.18
1/2		1/2		1/2	5,052.83	1/2	4,729.25	1/2	4,390.29	1/2	4,037.92	1/2	3,675.76	1/2	3,313.05	1/2	2,950.35	1/2	2,587.62
3/4		3/4		3/4	5,046.28	3/4	4,722.36	3/4	4,383.08	3/4	4,030.44	3/4	3,668.21	3/4	3,305.50	3/4	2,942.79	3/4	2,580.07
7		7		7	5,039.73	7	4,715.46	7	4,375.88	7	4,022.97	7	3,660.65	7	3,297.94	7	2,935.23	7	2,572.51
1/4		1/4		1/4	5,033.15	1/4	4,708.53	1/4	4,368.66	1/4	4,015.46	1/4	3,653.09	1/4	3,290.39	1/4	2,927.68	1/4	2,564.95
1/2		1/2		1/2	5,026.57	1/2	4,701.61	1/2	4,361.43	1/2	4,007.96	1/2	3,645.54	1/2	3,282.83	1/2	2,920.12	1/2	2,557.39
3/4		3/4		3/4	5,020.00	3/4	4,694.68	3/4	4,354.20	3/4	4,000.46	3/4	3,637.98	3/4	3,275.27	3/4	2,912.57	3/4	2,549.83
8		8		8	5,013.42	8	4,687.76	8	4,346.98	8	3,992.96	8	3,630.42	8	3,267.72	8	2,905.01	8	2,542.27
1/4		1/4		1/4	5,006.82	1/4	4,680.79	1/4	4,339.73	1/4	3,985.43	1/4	3,622.87	1/4	3,260.16	1/4	2,897.45	1/4	2,534.71
1/2		1/2		1/2	5,000.22	1/2	4,673.81	1/2	4,332.48	1/2	3,977.91	1/2	3,615.31	1/2	3,252.60	1/2	2,889.90	1/2	2,527.15
3/4		3/4		3/4	4,993.62	3/4	4,666.84	3/4	4,325.23	3/4	3,970.38	3/4	3,607.75	3/4	3,245.05	3/4	2,882.34	3/4	2,519.59
9		9		9	4,987.02	9	4,659.87	9	4,317.98	9	3,962.86	9	3,600.20	9	3,237.49	9	2,874.78	9	2,512.03
1/4		1/4		1/4	4,980.39	1/4	4,652.87	1/4	4,310.71	1/4	3,955.31	1/4	3,592.64	1/4	3,229.93	1/4	2,867.23	1/4	2,504.47
1/2		1/2		1/2	4,973.76	1/2	4,645.87	1/2	4,303.44	1/2	3,947.77	1/2	3,585.08	1/2	3,222.38	1/2	2,859.67	1/2	2,496.92
3/4		3/4		3/4	4,967.13	3/4	4,638.88	3/4	4,296.17	3/4	3,940.22	3/4	3,577.53	3/4	3,214.82	3/4	2,852.11	3/4	2,489.36
10		10		10	4,960.50	10	4,631.88	10	4,288.89	10	3,932.68	10	3,569.97	10	3,207.26	10	2,844.56	10	2,481.80
1/4		1/4		1/4	4,953.78	1/4	4,624.86	1/4	4,281.60	1/4	3,925.12	1/4	3,562.42	1/4	3,199.71	1/4	2,837.00	1/4	2,474.24
1/2		1/2		1/2	4,947.07	1/2	4,617.84	1/2	4,274.30	1/2	3,917.57	1/2	3,554.86	1/2	3,192.15	1/2	2,829.44	1/2	2,466.68
3/4		3/4		3/4	4,940.35	3/4	4,610.82	3/4	4,267.01	3/4	3,910.01	3/4	3,547.30	3/4	3,184.60	3/4	2,821.89	3/4	2,459.12
11		11		11	4,933.63	11	4,603.81	11	4,259.71	11	3,902.45	11	3,539.75	11	3,177.04	11	2,814.33	11	2,451.56
1/4		1/4		1/4	4,926.89	1/4	4,596.76	1/4	4,252.40	1/4	3,894.90	1/4	3,532.19	1/4	3,169.48	1/4	2,806.78	1/4	2,444.00
1/2		1/2		1/2	4,920.15	1/2	4,589.72	1/2	4,245.08	1/2	3,887.34	1/2	3,524.63	1/2	3,161.93	1/2	2,799.22	1/2	2,436.44
3/4		3/4		3/4	4,913.42	3/4	4,582.68	3/4	4,237.76	3/4	3,879.78	3/4	3,517.08	3/4	3,154.37	3/4	2,791.66	3/4	2,428.88

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 THE TOP LIP OF 4" STANDPIPE.

GAUGE POINT: (4 INCH) LOCATED 10'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 345"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16-9"

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	2,421.32	0	2,058.49	0	1,695.65	0	1,332.81	0	971.82	0	609.53	0	268.63	0		0		0	
1/4	2,413.77	1/4	2,050.93	1/4	1,688.09	1/4	1,325.25	1/4	964.31	1/4	601.97	1/4	261.07	1/4		1/4		1/4	
1/2	2,406.21	1/2	2,043.37	1/2	1,680.53	1/2	1,317.70	1/2	956.80	1/2	594.41	1/2	253.51	1/2		1/2		1/2	
3/4	2,398.65	3/4	2,035.81	3/4	1,672.97	3/4	1,310.14	3/4	949.29	3/4	586.86	3/4	245.95	3/4		3/4		3/4	
1	2,391.09	1	2,028.25	1	1,665.41	1	1,302.58	1	941.79	1	579.30	1	238.39	1		1		1	
1/4	2,383.53	1/4	2,020.69	1/4	1,657.86	1/4	1,295.02	1/4	934.28	1/4	571.74	1/4	230.83	1/4		1/4		1/4	
1/2	2,375.97	1/2	2,013.13	1/2	1,650.30	1/2	1,287.46	1/2	926.77	1/2	564.18	1/2	223.27	1/2		1/2		1/2	
3/4	2,368.41	3/4	2,005.57	3/4	1,642.74	3/4	1,279.90	3/4	919.26	3/4	556.62	3/4	215.71	3/4		3/4		3/4	
2	2,360.85	2	1,998.01	2	1,635.18	2	1,272.34	2	911.75	2	549.06	2	208.16	2		2		2	
1/4	2,353.29	1/4	1,990.46	1/4	1,627.62	1/4	1,264.79	1/4	904.23	1/4	541.50	1/4	200.60	1/4		1/4		1/4	
1/2	2,345.73	1/2	1,982.90	1/2	1,620.06	1/2	1,257.23	1/2	896.70	1/2	533.94	1/2	193.04	1/2		1/2		1/2	
3/4	2,338.17	3/4	1,975.34	3/4	1,612.50	3/4	1,249.68	3/4	889.17	3/4	526.39	3/4	185.48	3/4		3/4		3/4	
3	2,330.62	3	1,967.78	3	1,604.94	3	1,242.12	3	881.65	3	518.83	3	177.92	3		3		3	
1/4	2,323.06	1/4	1,960.22	1/4	1,597.38	1/4	1,234.61	1/4	874.09	1/4	511.27	1/4	170.36	1/4		1/4		1/4	
1/2	2,315.50	1/2	1,952.66	1/2	1,589.82	1/2	1,227.09	1/2	866.53	1/2	503.71	1/2	162.80	1/2		1/2		1/2	
3/4	2,307.94	3/4	1,945.10	3/4	1,582.26	3/4	1,219.57	3/4	858.97	3/4	496.15	3/4	155.24	3/4		3/4		3/4	
4	2,300.38	4	1,937.54	4	1,574.71	4	1,212.05	4	851.41	4	488.59	4	147.69	4		4		4	
1/4	2,292.82	1/4	1,929.98	1/4	1,567.15	1/4	1,204.55	1/4	843.85	1/4	481.03	1/4	140.13	1/4		1/4		1/4	
1/2	2,285.26	1/2	1,922.42	1/2	1,559.59	1/2	1,197.04	1/2	836.30	1/2	473.47	1/2	132.57	1/2		1/2		1/2	
3/4	2,277.70	3/4	1,914.86	3/4	1,552.03	3/4	1,189.53	3/4	828.74	3/4	465.91	3/4	125.01	3/4		3/4		3/4	
5	2,270.14	5	1,907.31	5	1,544.47	5	1,182.02	5	821.18	5	458.36	5	117.45	5		5		5	
1/4	2,262.58	1/4	1,899.75	1/4	1,536.91	1/4	1,174.52	1/4	813.62	1/4	450.80	1/4	109.97	1/4		1/4		1/4	
1/2	2,255.02	1/2	1,892.19	1/2	1,529.35	1/2	1,167.01	1/2	806.06	1/2	443.24	1/2	102.49	1/2		1/2		1/2	
3/4	2,247.47	3/4	1,884.63	3/4	1,521.79	3/4	1,159.50	3/4	798.50	3/4	435.68	3/4	95.01	3/4		3/4		3/4	
6	2,239.91	6	1,877.07	6	1,514.23	6	1,151.99	6	790.94	6	428.12	6	87.53	6		6		6	
1/4	2,232.35	1/4	1,869.51	1/4	1,506.67	1/4	1,144.49	1/4	783.38	1/4	420.56	1/4	80.76	1/4		1/4		1/4	
1/2	2,224.79	1/2	1,861.95	1/2	1,499.11	1/2	1,136.98	1/2	775.83	1/2	413.00	1/2	73.99	1/2		1/2		1/2	
3/4	2,217.23	3/4	1,854.39	3/4	1,491.56	3/4	1,129.47	3/4	768.27	3/4	405.44	3/4	67.22	3/4		3/4		3/4	
7	2,209.67	7	1,846.83	7	1,484.00	7	1,121.96	7	760.71	7	397.89	7	60.45	7		7		7	
1/4	2,202.11	1/4	1,839.27	1/4	1,476.44	1/4	1,114.46	1/4	753.15	1/4	390.33	1/4	54.93	1/4		1/4		1/4	
1/2	2,194.55	1/2	1,831.71	1/2	1,468.88	1/2	1,106.95	1/2	745.59	1/2	382.77	1/2	49.42	1/2		1/2		1/2	
3/4	2,186.99	3/4	1,824.16	3/4	1,461.32	3/4	1,099.44	3/4	738.03	3/4	375.21	3/4	43.91	3/4		3/4		3/4	
8	2,179.43	8	1,816.60	8	1,453.76	8	1,091.93	8	730.47	8	367.65	8	38.40	8		8		8	
1/4	2,171.87	1/4	1,809.04	1/4	1,446.20	1/4	1,084.43	1/4	722.91	1/4	360.09	1/4	34.15	1/4		1/4		1/4	
1/2	2,164.32	1/2	1,801.48	1/2	1,438.64	1/2	1,076.92	1/2	715.36	1/2	352.53	1/2	29.90	1/2		1/2		1/2	
3/4	2,156.76	3/4	1,793.92	3/4	1,431.08	3/4	1,069.41	3/4	707.80	3/4	344.97	3/4	25.65	3/4		3/4		3/4	
9	2,149.20	9	1,786.36	9	1,423.52	9	1,061.90	9	700.24	9	337.42	9	21.40	9		9		9	
1/4	2,141.64	1/4	1,778.80	1/4	1,415.96	1/4	1,054.40	1/4	692.68	1/4	329.86	1/4		1/4		1/4		1/4	
1/2	2,134.08	1/2	1,771.24	1/2	1,408.41	1/2	1,046.89	1/2	685.12	1/2	322.30	1/2		1/2		1/2		1/2	
3/4	2,126.52	3/4	1,763.68	3/4	1,400.85	3/4	1,039.38	3/4	677.56	3/4	314.74	3/4		3/4		3/4		3/4	
10	2,118.96	10	1,756.12	10	1,393.29	10	1,031.88	10	670.00	10	308.55	10		10		10		10	
1/4	2,111.40	1/4	1,748.56	1/4	1,385.73	1/4	1,024.37	1/4	662.44	1/4	303.73	1/4		1/4		1/4		1/4	
1/2	2,103.84	1/2	1,741.01	1/2	1,378.17	1/2	1,016.86	1/2	654.88	1/2	298.91	1/2		1/2		1/2		1/2	
3/4	2,096.28	3/4	1,733.45	3/4	1,370.61	3/4	1,009.35	3/4	647.33	3/4	294.09	3/4		3/4		3/4		3/4	
11	2,088.72	11	1,725.89	11	1,363.05	11	1,001.85	11	639.77	11	289.27	11		11		11		11	
1/4	2,081.16	1/4	1,718.33	1/4	1,355.49	1/4	994.34	1/4	632.21	1/4	284.45	1/4		1/4		1/4		1/4	
1/2	2,073.61	1/2	1,710.77	1/2	1,347.93	1/2	986.83	1/2	624.65	1/2	279.63	1/2		1/2		1/2		1/2	
3/4	2,066.05	3/4	1,703.21	3/4	1,340.37	3/4	979.32	3/4	617.09	3/4	274.82	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 SW
CALCULATED: 03/19/2014 CL
RE PRINTED: 04/17/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

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



BARGE "CBC 345"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16-8 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,876.04	0	4,545.75	0	4,201.38	0	3,844.12	0	3,482.80	0	3,121.49	0	2,760.17
1/4		1/4		1/4		1/4	4,869.30	1/4	4,538.71	1/4	4,194.07	1/4	3,836.59	1/4	3,475.28	1/4	3,113.96	1/4	2,752.65
1/2		1/2		1/2		1/2	5,174.35	1/2	4,862.57	1/2	4,531.68	1/2	4,186.75	1/2	3,829.07	1/2	3,467.75	1/2	3,106.43
3/4		3/4		3/4		3/4	5,169.25	3/4	4,855.82	3/4	4,524.62	3/4	4,179.42	3/4	3,821.54	3/4	3,460.22	3/4	3,098.91
1		1		1		1	5,164.15	1	4,849.06	1	4,517.56	1	4,172.08	1	3,814.01	1	3,452.70	1	3,091.38
1/4		1/4		1/4		1/4	5,159.05	1/4	4,842.31	1/4	4,510.50	1/4	4,164.75	1/4	3,806.48	1/4	3,445.17	1/4	3,083.85
1/2		1/2		1/2		1/2	5,153.95	1/2	4,835.55	1/2	4,503.44	1/2	4,157.41	1/2	3,798.96	1/2	3,437.64	1/2	3,076.33
3/4		3/4		3/4		3/4	5,147.64	3/4	4,828.77	3/4	4,496.35	3/4	4,150.06	3/4	3,791.43	3/4	3,430.11	3/4	3,068.80
2		2		2		2	5,141.33	2	4,822.00	2	4,489.27	2	4,142.70	2	3,783.90	2	3,422.59	2	3,061.27
1/4		1/4		1/4		1/4	5,135.01	1/4	4,815.22	1/4	4,482.19	1/4	4,135.34	1/4	3,776.37	1/4	3,415.06	1/4	3,053.74
1/2		1/2		1/2		1/2	5,128.70	1/2	4,808.44	1/2	4,475.11	1/2	4,127.98	1/2	3,768.85	1/2	3,407.53	1/2	3,046.22
3/4		3/4		3/4		3/4	5,121.53	3/4	4,801.64	3/4	4,468.00	3/4	4,120.60	3/4	3,761.32	3/4	3,400.00	3/4	3,038.69
3		3		3		3	5,114.36	3	4,794.84	3	4,460.90	3	4,113.22	3	3,753.79	3	3,392.48	3	3,031.16
1/4		1/4		1/4		1/4	5,107.19	1/4	4,788.04	1/4	4,453.79	1/4	4,105.84	1/4	3,746.26	1/4	3,384.95	1/4	3,023.63
1/2		1/2		1/2		1/2	5,100.01	1/2	4,781.24	1/2	4,446.68	1/2	4,098.46	1/2	3,738.74	1/2	3,377.42	1/2	3,016.11
3/4		3/4		3/4		3/4	5,093.53	3/4	4,774.41	3/4	4,439.56	3/4	4,091.05	3/4	3,731.21	3/4	3,369.89	3/4	3,008.58
4		4		4		4	5,087.05	4	4,767.59	4	4,432.43	4	4,083.65	4	3,723.68	4	3,362.37	4	3,001.05
1/4		1/4		1/4		1/4	5,080.58	1/4	4,760.77	1/4	4,425.30	1/4	4,076.25	1/4	3,716.15	1/4	3,354.84	1/4	2,993.52
1/2		1/2		1/2		1/2	5,074.10	1/2	4,753.94	1/2	4,418.17	1/2	4,068.84	1/2	3,708.63	1/2	3,347.31	1/2	2,986.00
3/4		3/4		3/4		3/4	5,067.59	3/4	4,747.09	3/4	4,411.02	3/4	4,061.41	3/4	3,701.10	3/4	3,339.78	3/4	2,978.47
5		5		5		5	5,061.09	5	4,740.25	5	4,403.87	5	4,053.99	5	3,693.57	5	3,332.26	5	2,970.94
1/4		1/4		1/4		1/4	5,054.59	1/4	4,733.40	1/4	4,396.72	1/4	4,046.56	1/4	3,686.04	1/4	3,324.73	1/4	2,963.41
1/2		1/2		1/2		1/2	5,048.09	1/2	4,726.55	1/2	4,389.56	1/2	4,039.13	1/2	3,678.52	1/2	3,317.20	1/2	2,955.89
3/4		3/4		3/4		3/4	5,041.56	3/4	4,719.68	3/4	4,382.39	3/4	4,031.68	3/4	3,670.99	3/4	3,309.67	3/4	2,948.36
6		6		6		6	5,035.04	6	4,712.81	6	4,375.22	6	4,024.23	6	3,663.46	6	3,302.15	6	2,940.83
1/4		1/4		1/4		1/4	5,028.51	1/4	4,705.94	1/4	4,368.04	1/4	4,016.78	1/4	3,655.94	1/4	3,294.62	1/4	2,933.30
1/2		1/2		1/2		1/2	5,021.99	1/2	4,699.07	1/2	4,360.87	1/2	4,009.33	1/2	3,648.41	1/2	3,287.09	1/2	2,925.78
3/4		3/4		3/4		3/4	5,015.44	3/4	4,692.18	3/4	4,353.67	3/4	4,001.86	3/4	3,640.88	3/4	3,279.57	3/4	2,918.25
7		7		7		7	5,008.89	7	4,685.28	7	4,346.47	7	3,994.39	7	3,633.35	7	3,272.04	7	2,910.72
1/4		1/4		1/4		1/4	5,002.34	1/4	4,678.39	1/4	4,339.28	1/4	3,986.92	1/4	3,625.83	1/4	3,264.51	1/4	2,903.20
1/2		1/2		1/2		1/2	4,995.79	1/2	4,671.49	1/2	4,332.08	1/2	3,979.44	1/2	3,618.30	1/2	3,256.98	1/2	2,895.67
3/4		3/4		3/4		3/4	4,989.22	3/4	4,664.54	3/4	4,324.86	3/4	3,971.95	3/4	3,610.77	3/4	3,249.46	3/4	2,888.14
8		8		8		8	4,982.65	8	4,657.60	8	4,317.64	8	3,964.45	8	3,603.24	8	3,241.93	8	2,880.61
1/4		1/4		1/4		1/4	4,976.08	1/4	4,650.65	1/4	4,310.42	1/4	3,956.96	1/4	3,595.72	1/4	3,234.40	1/4	2,873.09
1/2		1/2		1/2		1/2	4,969.51	1/2	4,643.71	1/2	4,303.20	1/2	3,949.46	1/2	3,588.19	1/2	3,226.87	1/2	2,865.56
3/4		3/4		3/4		3/4	4,962.91	3/4	4,636.74	3/4	4,295.95	3/4	3,941.94	3/4	3,580.66	3/4	3,219.35	3/4	2,858.03
9		9		9		9	4,956.30	9	4,629.77	9	4,288.71	9	3,934.43	9	3,573.13	9	3,211.82	9	2,850.50
1/4		1/4		1/4		1/4	4,949.70	1/4	4,622.81	1/4	4,281.47	1/4	3,926.91	1/4	3,565.61	1/4	3,204.29	1/4	2,842.98
1/2		1/2		1/2		1/2	4,943.10	1/2	4,615.84	1/2	4,274.22	1/2	3,919.39	1/2	3,558.08	1/2	3,196.76	1/2	2,835.45
3/4		3/4		3/4		3/4	4,936.41	3/4	4,608.85	3/4	4,266.96	3/4	3,911.87	3/4	3,550.55	3/4	3,189.24	3/4	2,827.92
10		10		10		10	4,929.72	10	4,601.86	10	4,259.69	10	3,904.34	10	3,543.02	10	3,181.71	10	2,820.39
1/4		1/4		1/4		1/4	4,923.03	1/4	4,594.87	1/4	4,252.43	1/4	3,896.81	1/4	3,535.50	1/4	3,174.18	1/4	2,812.87
1/2		1/2		1/2		1/2	4,916.34	1/2	4,587.88	1/2	4,245.16	1/2	3,889.28	1/2	3,527.97	1/2	3,166.65	1/2	2,805.34
3/4		3/4		3/4		3/4	4,909.63	3/4	4,580.86	3/4	4,237.87	3/4	3,881.76	3/4	3,520.44	3/4	3,159.13	3/4	2,797.81
11		11		11		11	4,902.92	11	4,573.85	11	4,230.58	11	3,874.23	11	3,512.91	11	3,151.60	11	2,790.28
1/4		1/4		1/4		1/4	4,896.21	1/4	4,566.84	1/4	4,223.29	1/4	3,866.70	1/4	3,505.39	1/4	3,144.07	1/4	2,782.76
1/2		1/2		1/2		1/2	4,889.50	1/2	4,559.82	1/2	4,216.00	1/2	3,859.17	1/2	3,497.86	1/2	3,136.54	1/2	2,775.23
3/4		3/4		3/4		3/4	4,882.77	3/4	4,552.78	3/4	4,208.69	3/4	3,851.65	3/4	3,490.33	3/4	3,129.02	3/4	2,767.70

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 THE TOP LIP OF 4" STANDPIPE.

GAUGE POINT: (4 INCH) LOCATED 10'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 345"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16-8 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,398.79	0	2,037.34	0	1,675.89	0	1,314.45	0	953.42	0	592.06	0	252.54	0		0		0	
1/4	2,391.26	1/4	2,029.81	1/4	1,668.36	1/4	1,306.92	1/4	945.90	1/4	584.53	1/4	245.01	1/4		1/4		1/4	
1/2	2,383.73	1/2	2,022.28	1/2	1,660.83	1/2	1,299.38	1/2	938.38	1/2	577.00	1/2	237.48	1/2		1/2		1/2	
3/4	2,376.20	3/4	2,014.75	3/4	1,653.30	3/4	1,291.85	3/4	930.87	3/4	569.47	3/4	229.95	3/4		3/4		3/4	
1	2,368.67	1	2,007.22	1	1,645.77	1	1,284.32	1	923.35	1	561.94	1	222.42	1		1		1	
1/4	2,361.14	1/4	1,999.69	1/4	1,638.24	1/4	1,276.79	1/4	915.83	1/4	554.41	1/4	214.89	1/4		1/4		1/4	
1/2	2,353.61	1/2	1,992.16	1/2	1,630.71	1/2	1,269.26	1/2	908.31	1/2	546.88	1/2	207.36	1/2		1/2		1/2	
3/4	2,346.08	3/4	1,984.63	3/4	1,623.18	3/4	1,261.73	3/4	900.78	3/4	539.35	3/4	199.83	3/4		3/4		3/4	
2	2,338.55	2	1,977.10	2	1,615.65	2	1,254.20	2	893.25	2	531.82	2	192.30	2		2		2	
1/4	2,331.02	1/4	1,969.57	1/4	1,608.12	1/4	1,246.67	1/4	885.72	1/4	524.29	1/4	184.77	1/4		1/4		1/4	
1/2	2,323.49	1/2	1,962.04	1/2	1,600.59	1/2	1,239.14	1/2	878.19	1/2	516.76	1/2	177.24	1/2		1/2		1/2	
3/4	2,315.96	3/4	1,954.51	3/4	1,593.06	3/4	1,231.61	3/4	870.66	3/4	509.23	3/4	169.71	3/4		3/4		3/4	
3	2,308.43	3	1,946.98	3	1,585.53	3	1,224.09	3	863.13	3	501.70	3	162.18	3		3		3	
1/4	2,300.90	1/4	1,939.45	1/4	1,578.00	1/4	1,216.56	1/4	855.60	1/4	494.17	1/4	154.65	1/4		1/4		1/4	
1/2	2,293.37	1/2	1,931.92	1/2	1,570.47	1/2	1,209.03	1/2	848.07	1/2	486.64	1/2	147.12	1/2		1/2		1/2	
3/4	2,285.84	3/4	1,924.39	3/4	1,562.94	3/4	1,201.51	3/4	840.54	3/4	479.11	3/4	139.59	3/4		3/4		3/4	
4	2,278.31	4	1,916.86	4	1,555.41	4	1,193.99	4	833.01	4	471.58	4	132.06	4		4		4	
1/4	2,270.78	1/4	1,909.33	1/4	1,547.88	1/4	1,186.48	1/4	825.48	1/4	464.05	1/4	124.53	1/4		1/4		1/4	
1/2	2,263.25	1/2	1,901.80	1/2	1,540.35	1/2	1,178.96	1/2	817.95	1/2	456.52	1/2	117.00	1/2		1/2		1/2	
3/4	2,255.72	3/4	1,894.27	3/4	1,532.82	3/4	1,171.44	3/4	810.42	3/4	448.99	3/4	109.55	3/4		3/4		3/4	
5	2,248.19	5	1,886.74	5	1,525.29	5	1,163.92	5	802.89	5	441.46	5	102.10	5		5		5	
1/4	2,240.66	1/4	1,879.21	1/4	1,517.76	1/4	1,156.40	1/4	795.36	1/4	433.93	1/4	94.65	1/4		1/4		1/4	
1/2	2,233.13	1/2	1,871.68	1/2	1,510.23	1/2	1,148.89	1/2	787.83	1/2	426.40	1/2	87.19	1/2		1/2		1/2	
3/4	2,225.60	3/4	1,864.15	3/4	1,502.70	3/4	1,141.37	3/4	780.30	3/4	418.87	3/4	80.45	3/4		3/4		3/4	
6	2,218.07	6	1,856.62	6	1,495.17	6	1,133.85	6	772.77	6	411.34	6	73.70	6		6		6	
1/4	2,210.54	1/4	1,849.09	1/4	1,487.64	1/4	1,126.33	1/4	765.24	1/4	403.81	1/4	66.96	1/4		1/4		1/4	
1/2	2,203.01	1/2	1,841.56	1/2	1,480.11	1/2	1,118.81	1/2	757.71	1/2	396.28	1/2	60.21	1/2		1/2		1/2	
3/4	2,195.48	3/4	1,834.03	3/4	1,472.58	3/4	1,111.30	3/4	750.18	3/4	388.75	3/4	54.72	3/4		3/4		3/4	
7	2,187.95	7	1,826.50	7	1,465.05	7	1,103.78	7	742.65	7	381.22	7	49.23	7		7		7	
1/4	2,180.42	1/4	1,818.97	1/4	1,457.52	1/4	1,096.26	1/4	735.12	1/4	373.69	1/4	43.74	1/4		1/4		1/4	
1/2	2,172.89	1/2	1,811.44	1/2	1,449.99	1/2	1,088.74	1/2	727.59	1/2	366.16	1/2	38.25	1/2		1/2		1/2	
3/4	2,165.36	3/4	1,803.91	3/4	1,442.46	3/4	1,081.22	3/4	720.06	3/4	358.63	3/4	34.02	3/4		3/4		3/4	
8	2,157.83	8	1,796.38	8	1,434.93	8	1,073.71	8	712.54	8	351.10	8	29.79	8		8		8	
1/4	2,150.30	1/4	1,788.85	1/4	1,427.40	1/4	1,066.19	1/4	705.01	1/4	343.57	1/4	25.55	1/4		1/4		1/4	
1/2	2,142.77	1/2	1,781.32	1/2	1,419.87	1/2	1,058.67	1/2	697.48	1/2	336.04	1/2	21.32	1/2		1/2		1/2	
3/4	2,135.24	3/4	1,773.79	3/4	1,412.34	3/4	1,051.15	3/4	689.95	3/4	328.51	3/4		3/4		3/4		3/4	
9	2,127.71	9	1,766.26	9	1,404.81	9	1,043.64	9	682.42	9	320.98	9		9		9		9	
1/4	2,120.18	1/4	1,758.73	1/4	1,397.28	1/4	1,036.12	1/4	674.89	1/4	313.45	1/4		1/4		1/4		1/4	
1/2	2,112.65	1/2	1,751.20	1/2	1,389.75	1/2	1,028.60	1/2	667.36	1/2	307.29	1/2		1/2		1/2		1/2	
3/4	2,105.12	3/4	1,743.67	3/4	1,382.22	3/4	1,021.08	3/4	659.83	3/4	302.50	3/4		3/4		3/4		3/4	
10	2,097.59	10	1,736.14	10	1,374.69	10	1,013.56	10	652.30	10	297.71	10		10		10		10	
1/4	2,090.06	1/4	1,728.61	1/4	1,367.16	1/4	1,006.05	1/4	644.77	1/4	292.92	1/4		1/4		1/4		1/4	
1/2	2,082.53	1/2	1,721.08	1/2	1,359.63	1/2	998.53	1/2	637.24	1/2	288.13	1/2		1/2		1/2		1/2	
3/4	2,075.00	3/4	1,713.55	3/4	1,352.10	3/4	991.01	3/4	629.71	3/4	283.34	3/4		3/4		3/4		3/4	
11	2,067.47	11	1,706.02	11	1,344.57	11	983.49	11	622.18	11	278.55	11		11		11		11	
1/4	2,059.93	1/4	1,698.49	1/4	1,337.04	1/4	975.97	1/4	614.65	1/4	273.76	1/4		1/4		1/4		1/4	
1/2	2,052.40	1/2	1,690.96	1/2	1,329.51	1/2	968.46	1/2	607.12	1/2	267.60	1/2		1/2		1/2		1/2	
3/4	2,044.87	3/4	1,683.43	3/4	1,321.98	3/4	960.94	3/4	599.59	3/4	260.07	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 SW
CALCULATED: 03/19/2014 CL
RE PRINTED: 04/17/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CBC 345"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-9"

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		0		0	4,868.32	0	4,539.01	0	4,195.57	0	3,839.13	0	3,478.20	0	3,117.27	0	2,756.35
1/4	1/4		1/4		1/4		4,861.60	1/4	4,531.98	1/4	4,188.26	1/4	3,831.61	1/4	3,470.68	1/4	3,109.75	1/4	2,748.83
1/2	1/2		1/2		1/2		4,854.87	1/2	4,524.95	1/2	4,180.96	1/2	3,824.09	1/2	3,463.16	1/2	3,102.23	1/2	2,741.31
3/4	3/4		3/4		3/4		4,848.15	3/4	4,517.92	3/4	4,173.66	3/4	3,816.57	3/4	3,455.64	3/4	3,094.71	3/4	2,733.79
1		1		1	5,152.86	1	4,841.43	1	4,510.90	1	4,166.35	1	3,809.05	1	3,448.12	1	3,087.20	1	2,726.27
1/4	1/4		1/4		5,147.76	1/4	4,834.68	1/4	4,503.84	1/4	4,159.02	1/4	3,801.53	1/4	3,440.60	1/4	3,079.68	1/4	2,718.75
1/2	1/2		1/2		5,142.67	1/2	4,827.93	1/2	4,496.79	1/2	4,151.70	1/2	3,794.01	1/2	3,433.08	1/2	3,072.16	1/2	2,711.23
3/4	3/4		3/4		5,137.57	3/4	4,821.18	3/4	4,489.74	3/4	4,144.37	3/4	3,786.49	3/4	3,425.56	3/4	3,064.64	3/4	2,703.71
2		2		2	5,132.48	2	4,814.44	2	4,482.69	2	4,137.04	2	3,778.97	2	3,418.04	2	3,057.12	2	2,696.19
1/4	1/4		1/4		5,126.18	1/4	4,807.67	1/4	4,475.61	1/4	4,129.69	1/4	3,771.45	1/4	3,410.53	1/4	3,049.60	1/4	2,688.67
1/2	1/2		1/2		5,119.87	1/2	4,800.90	1/2	4,468.54	1/2	4,122.34	1/2	3,763.93	1/2	3,403.01	1/2	3,042.08	1/2	2,681.15
3/4	3/4		3/4		5,113.57	3/4	4,794.12	3/4	4,461.46	3/4	4,114.99	3/4	3,756.41	3/4	3,395.49	3/4	3,034.56	3/4	2,673.63
3		3		3	5,107.26	3	4,787.35	3	4,454.39	3	4,107.64	3	3,748.89	3	3,387.97	3	3,027.04	3	2,666.11
1/4	1/4		1/4		5,100.10	1/4	4,780.56	1/4	4,447.29	1/4	4,100.27	1/4	3,741.37	1/4	3,380.45	1/4	3,019.52	1/4	2,658.60
1/2	1/2		1/2		5,092.93	1/2	4,773.77	1/2	4,440.19	1/2	4,092.90	1/2	3,733.85	1/2	3,372.93	1/2	3,012.00	1/2	2,651.08
3/4	3/4		3/4		5,085.76	3/4	4,766.97	3/4	4,433.10	3/4	4,085.52	3/4	3,726.34	3/4	3,365.41	3/4	3,004.48	3/4	2,643.56
4		4		4	5,078.60	4	4,760.18	4	4,426.00	4	4,078.15	4	3,718.82	4	3,357.89	4	2,996.96	4	2,636.04
1/4	1/4		1/4		5,072.13	1/4	4,753.36	1/4	4,418.88	1/4	4,070.75	1/4	3,711.30	1/4	3,350.37	1/4	2,989.44	1/4	2,628.52
1/2	1/2		1/2		5,065.66	1/2	4,746.55	1/2	4,411.76	1/2	4,063.36	1/2	3,703.78	1/2	3,342.85	1/2	2,981.93	1/2	2,621.00
3/4	3/4		3/4		5,059.18	3/4	4,739.73	3/4	4,404.64	3/4	4,055.96	3/4	3,696.26	3/4	3,335.33	3/4	2,974.41	3/4	2,613.48
5		5		5	5,052.71	5	4,732.92	5	4,397.52	5	4,048.57	5	3,688.74	5	3,327.81	5	2,966.89	5	2,605.96
1/4	1/4		1/4		5,046.22	1/4	4,726.08	1/4	4,390.37	1/4	4,041.15	1/4	3,681.22	1/4	3,320.29	1/4	2,959.37	1/4	2,598.44
1/2	1/2		1/2		5,039.72	1/2	4,719.24	1/2	4,383.23	1/2	4,033.73	1/2	3,673.70	1/2	3,312.77	1/2	2,951.85	1/2	2,590.92
3/4	3/4		3/4		5,033.23	3/4	4,712.40	3/4	4,376.08	3/4	4,026.31	3/4	3,666.18	3/4	3,305.25	3/4	2,944.33	3/4	2,583.39
6		6		6	5,026.73	6	4,705.56	6	4,368.94	6	4,018.89	6	3,658.66	6	3,297.74	6	2,936.81	6	2,575.87
1/4	1/4		1/4		5,020.21	1/4	4,698.70	1/4	4,361.77	1/4	4,011.45	1/4	3,651.14	1/4	3,290.22	1/4	2,929.29	1/4	2,568.35
1/2	1/2		1/2		5,013.70	1/2	4,691.83	1/2	4,354.61	1/2	4,004.01	1/2	3,643.62	1/2	3,282.70	1/2	2,921.77	1/2	2,560.83
3/4	3/4		3/4		5,007.18	3/4	4,684.97	3/4	4,347.44	3/4	3,996.57	3/4	3,636.10	3/4	3,275.18	3/4	2,914.25	3/4	2,553.31
7		7		7	5,000.66	7	4,678.11	7	4,340.28	7	3,989.12	7	3,628.58	7	3,267.66	7	2,906.73	7	2,545.78
1/4	1/4		1/4		4,994.12	1/4	4,671.22	1/4	4,333.09	1/4	3,981.66	1/4	3,621.07	1/4	3,260.14	1/4	2,899.21	1/4	2,538.26
1/2	1/2		1/2		4,987.58	1/2	4,664.33	1/2	4,325.90	1/2	3,974.19	1/2	3,613.55	1/2	3,252.62	1/2	2,891.69	1/2	2,530.74
3/4	3/4		3/4		4,981.04	3/4	4,657.44	3/4	4,318.71	3/4	3,966.73	3/4	3,606.03	3/4	3,245.10	3/4	2,884.17	3/4	2,523.22
8		8		8	4,974.50	8	4,650.56	8	4,311.52	8	3,959.26	8	3,598.51	8	3,237.58	8	2,876.65	8	2,515.70
1/4	1/4		1/4		4,967.93	1/4	4,643.62	1/4	4,304.31	1/4	3,951.78	1/4	3,590.99	1/4	3,230.06	1/4	2,869.14	1/4	2,508.17
1/2	1/2		1/2		4,961.37	1/2	4,636.68	1/2	4,297.09	1/2	3,944.29	1/2	3,583.47	1/2	3,222.54	1/2	2,861.62	1/2	2,500.65
3/4	3/4		3/4		4,954.81	3/4	4,629.74	3/4	4,289.88	3/4	3,936.80	3/4	3,575.95	3/4	3,215.02	3/4	2,854.10	3/4	2,493.13
9		9		9	4,948.24	9	4,622.81	9	4,282.67	9	3,929.31	9	3,568.43	9	3,207.50	9	2,846.58	9	2,485.61
1/4	1/4		1/4		4,941.65	1/4	4,615.85	1/4	4,275.43	1/4	3,921.80	1/4	3,560.91	1/4	3,199.98	1/4	2,839.06	1/4	2,478.09
1/2	1/2		1/2		4,935.05	1/2	4,608.89	1/2	4,268.20	1/2	3,914.30	1/2	3,553.39	1/2	3,192.47	1/2	2,831.54	1/2	2,470.56
3/4	3/4		3/4		4,928.46	3/4	4,601.93	3/4	4,260.96	3/4	3,906.79	3/4	3,545.87	3/4	3,184.95	3/4	2,824.02	3/4	2,463.04
10		10		10	4,921.86	10	4,594.97	10	4,253.73	10	3,899.28	10	3,538.35	10	3,177.43	10	2,816.50	10	2,455.52
1/4	1/4		1/4		4,915.18	1/4	4,587.98	1/4	4,246.47	1/4	3,891.76	1/4	3,530.83	1/4	3,169.91	1/4	2,808.98	1/4	2,448.00
1/2	1/2		1/2		4,908.50	1/2	4,581.00	1/2	4,239.21	1/2	3,884.24	1/2	3,523.31	1/2	3,162.39	1/2	2,801.46	1/2	2,440.48
3/4	3/4		3/4		4,901.82	3/4	4,574.02	3/4	4,231.95	3/4	3,876.72	3/4	3,515.80	3/4	3,154.87	3/4	2,793.94	3/4	2,432.95
11		11		11	4,895.14	11	4,567.03	11	4,224.69	11	3,869.20	11	3,508.28	11	3,147.35	11	2,786.42	11	2,425.43
1/4	1/4		1/4		4,888.43	1/4	4,560.03	1/4	4,217.41	1/4	3,861.68	1/4	3,500.76	1/4	3,139.83	1/4	2,778.90	1/4	2,417.91
1/2	1/2		1/2		4,881.73	1/2	4,553.02	1/2	4,210.13	1/2	3,854.16	1/2	3,493.24	1/2	3,132.31	1/2	2,771.38	1/2	2,410.39
3/4	3/4		3/4		4,875.03	3/4	4,546.02	3/4	4,202.85	3/4	3,846.64	3/4	3,485.72	3/4	3,124.79	3/4	2,763.87	3/4	2,402.87

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 THE TOP LIP OF 4" STANDPIPE.

GAUGE POINT: (4 INCH) LOCATED 10'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 345"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16-9"

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	2,395.34	0	2,034.29	0	1,673.23	0	1,312.18	0	963.59	0	606.44	0	267.31	0		0		0	
1/4	2,387.82	1/4	2,026.77	1/4	1,665.71	1/4	1,304.65	1/4	956.41	1/4	598.92	1/4	259.79	1/4		1/4		1/4	
1/2	2,380.30	1/2	2,019.24	1/2	1,658.19	1/2	1,297.13	1/2	949.23	1/2	591.40	1/2	252.27	1/2		1/2		1/2	
3/4	2,372.78	3/4	2,011.72	3/4	1,650.67	3/4	1,289.61	3/4	942.05	3/4	583.88	3/4	244.75	3/4		3/4		3/4	
1	2,365.26	1	2,004.20	1	1,643.14	1	1,282.09	1	934.88	1	576.36	1	237.23	1		1		1	
1/4	2,357.73	1/4	1,996.68	1/4	1,635.62	1/4	1,274.57	1/4	927.69	1/4	568.84	1/4	229.71	1/4		1/4		1/4	
1/2	2,350.21	1/2	1,989.16	1/2	1,628.10	1/2	1,267.04	1/2	920.51	1/2	561.31	1/2	222.18	1/2		1/2		1/2	
3/4	2,342.69	3/4	1,981.63	3/4	1,620.58	3/4	1,259.52	3/4	913.33	3/4	553.79	3/4	214.66	3/4		3/4		3/4	
2	2,335.17	2	1,974.11	2	1,613.06	2	1,252.00	2	906.15	2	546.27	2	207.14	2		2		2	
1/4	2,327.65	1/4	1,966.59	1/4	1,605.53	1/4	1,244.52	1/4	898.92	1/4	538.75	1/4	199.62	1/4		1/4		1/4	
1/2	2,320.12	1/2	1,959.07	1/2	1,598.01	1/2	1,237.04	1/2	891.69	1/2	531.23	1/2	192.10	1/2		1/2		1/2	
3/4	2,312.60	3/4	1,951.55	3/4	1,590.49	3/4	1,229.56	3/4	884.46	3/4	523.70	3/4	184.58	3/4		3/4		3/4	
3	2,305.08	3	1,944.02	3	1,582.97	3	1,222.08	3	877.23	3	516.18	3	177.05	3		3		3	
1/4	2,297.56	1/4	1,936.50	1/4	1,575.45	1/4	1,214.89	1/4	869.71	1/4	508.66	1/4	169.53	1/4		1/4		1/4	
1/2	2,290.04	1/2	1,928.98	1/2	1,567.92	1/2	1,207.70	1/2	862.19	1/2	501.14	1/2	162.01	1/2		1/2		1/2	
3/4	2,282.51	3/4	1,921.46	3/4	1,560.40	3/4	1,200.51	3/4	854.66	3/4	493.62	3/4	154.49	3/4		3/4		3/4	
4	2,274.99	4	1,913.94	4	1,552.88	4	1,193.32	4	847.14	4	486.10	4	146.97	4		4		4	
1/4	2,267.47	1/4	1,906.41	1/4	1,545.36	1/4	1,186.14	1/4	839.62	1/4	478.57	1/4	139.44	1/4		1/4		1/4	
1/2	2,259.95	1/2	1,898.89	1/2	1,537.84	1/2	1,178.96	1/2	832.10	1/2	471.05	1/2	131.92	1/2		1/2		1/2	
3/4	2,252.43	3/4	1,891.37	3/4	1,530.31	3/4	1,171.78	3/4	824.58	3/4	463.53	3/4	124.40	3/4		3/4		3/4	
5	2,244.90	5	1,883.85	5	1,522.79	5	1,164.60	5	817.05	5	456.01	5	116.88	5		5		5	
1/4	2,237.38	1/4	1,876.33	1/4	1,515.27	1/4	1,157.42	1/4	809.53	1/4	448.49	1/4	109.44	1/4		1/4		1/4	
1/2	2,229.86	1/2	1,868.80	1/2	1,507.75	1/2	1,150.25	1/2	802.01	1/2	440.96	1/2	101.99	1/2		1/2		1/2	
3/4	2,222.34	3/4	1,861.28	3/4	1,500.23	3/4	1,143.07	3/4	794.49	3/4	433.44	3/4	94.55	3/4		3/4		3/4	
6	2,214.82	6	1,853.76	6	1,492.70	6	1,135.89	6	786.97	6	425.92	6	87.11	6		6		6	
1/4	2,207.29	1/4	1,846.24	1/4	1,485.18	1/4	1,128.71	1/4	779.45	1/4	418.40	1/4	80.37	1/4		1/4		1/4	
1/2	2,199.77	1/2	1,838.72	1/2	1,477.66	1/2	1,121.53	1/2	771.92	1/2	410.88	1/2	73.63	1/2		1/2		1/2	
3/4	2,192.25	3/4	1,831.19	3/4	1,470.14	3/4	1,114.35	3/4	764.40	3/4	403.36	3/4	66.89	3/4		3/4		3/4	
7	2,184.73	7	1,823.67	7	1,462.62	7	1,107.17	7	756.88	7	395.83	7	60.15	7		7		7	
1/4	2,177.21	1/4	1,816.15	1/4	1,455.09	1/4	1,099.99	1/4	749.36	1/4	388.31	1/4	54.67	1/4		1/4		1/4	
1/2	2,169.68	1/2	1,808.63	1/2	1,447.57	1/2	1,092.81	1/2	741.84	1/2	380.79	1/2	49.19	1/2		1/2		1/2	
3/4	2,162.16	3/4	1,801.11	3/4	1,440.05	3/4	1,085.63	3/4	734.32	3/4	373.27	3/4	43.70	3/4		3/4		3/4	
8	2,154.64	8	1,793.58	8	1,432.53	8	1,078.46	8	726.79	8	365.75	8	38.22	8		8		8	
1/4	2,147.12	1/4	1,786.06	1/4	1,425.01	1/4	1,071.28	1/4	719.27	1/4	358.23	1/4	33.99	1/4		1/4		1/4	
1/2	2,139.60	1/2	1,778.54	1/2	1,417.48	1/2	1,064.10	1/2	711.75	1/2	350.70	1/2	29.76	1/2		1/2		1/2	
3/4	2,132.07	3/4	1,771.02	3/4	1,409.96	3/4	1,056.92	3/4	704.23	3/4	343.18	3/4	25.53	3/4		3/4		3/4	
9	2,124.55	9	1,763.50	9	1,402.44	9	1,049.74	9	696.71	9	335.66	9	21.30	9		9		9	
1/4	2,117.03	1/4	1,755.97	1/4	1,394.92	1/4	1,042.56	1/4	689.18	1/4	328.14	1/4		1/4		1/4		1/4	
1/2	2,109.51	1/2	1,748.45	1/2	1,387.40	1/2	1,035.38	1/2	681.66	1/2	320.62	1/2		1/2		1/2		1/2	
3/4	2,101.99	3/4	1,740.93	3/4	1,379.87	3/4	1,028.20	3/4	674.14	3/4	313.09	3/4		3/4		3/4		3/4	
10	2,094.46	10	1,733.41	10	1,372.35	10	1,021.02	10	666.62	10	306.94	10		10		10		10	
1/4	2,086.94	1/4	1,725.89	1/4	1,364.83	1/4	1,013.84	1/4	659.10	1/4	302.16	1/4		1/4		1/4		1/4	
1/2	2,079.42	1/2	1,718.36	1/2	1,357.31	1/2	1,006.67	1/2	651.58	1/2	297.38	1/2		1/2		1/2		1/2	
3/4	2,071.90	3/4	1,710.84	3/4	1,349.79	3/4	999.49	3/4	644.05	3/4	292.60	3/4		3/4		3/4		3/4	
11	2,064.38	11	1,703.32	11	1,342.26	11	992.31	11	636.53	11	287.81	11		11		11		11	
1/4	2,056.85	1/4	1,695.80	1/4	1,334.74	1/4	985.13	1/4	629.01	1/4	283.03	1/4		1/4		1/4		1/4	
1/2	2,049.33	1/2	1,688.28	1/2	1,327.22	1/2	977.95	1/2	621.49	1/2	278.25	1/2		1/2		1/2		1/2	
3/4	2,041.81	3/4	1,680.75	3/4	1,319.70	3/4	970.77	3/4	613.97	3/4	273.47	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 SW
CALCULATED: 03/19/2014 CL
RE PRINTED: 04/17/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

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



BARGE "CBC 345"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16-8 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		0		0	4,224.71	0	4,047.79	0	3,863.34	0	3,671.95	0	3,473.13	0	3,115.20	0	2,756.01
1/4		1/4		1/4		1/4	4,221.10	1/4	4,044.01	1/4	3,859.42	1/4	3,667.91	1/4	3,465.66	1/4	3,107.71	1/4	2,748.51
1/2		1/2		1/2		1/2	4,217.49	1/2	4,040.24	1/2	3,855.50	1/2	3,663.88	1/2	3,458.20	1/2	3,100.23	1/2	2,741.01
3/4		3/4		3/4		3/4	4,374.38	3/4	4,213.88	3/4	4,036.47	3/4	3,851.58	3/4	3,659.84	3/4	3,450.73	3/4	3,092.75
1		1		1		1	4,372.73	1	4,210.26	1	4,032.69	1	3,847.64	1	3,655.81	1	3,443.27	1	3,085.27
1/4		1/4		1/4		1/4	4,371.08	1/4	4,206.64	1/4	4,028.90	1/4	3,843.71	1/4	3,651.77	1/4	3,435.81	1/4	3,077.78
1/2		1/2		1/2		1/2	4,369.42	1/2	4,203.01	1/2	4,025.12	1/2	3,839.78	1/2	3,647.74	1/2	3,428.34	1/2	3,070.30
3/4		3/4		3/4		3/4	4,367.77	3/4	4,199.39	3/4	4,021.33	3/4	3,835.85	3/4	3,643.70	3/4	3,420.88	3/4	3,062.82
2		2		2		2	4,364.90	2	4,195.76	2	4,017.54	2	3,831.91	2	3,639.67	2	3,413.41	2	3,055.34
1/4		1/4		1/4		1/4	4,362.03	1/4	4,192.12	1/4	4,013.74	1/4	3,827.96	1/4	3,635.63	1/4	3,405.95	1/4	3,047.85
1/2		1/2		1/2		1/2	4,359.16	1/2	4,188.49	1/2	4,009.94	1/2	3,824.02	1/2	3,631.60	1/2	3,398.49	1/2	3,040.37
3/4		3/4		3/4		3/4	4,356.29	3/4	4,184.85	3/4	4,006.15	3/4	3,820.07	3/4	3,627.56	3/4	3,391.02	3/4	3,032.89
3		3		3		3	4,352.51	3	4,181.21	3	4,002.34	3	3,816.12	3	3,623.53	3	3,383.56	3	3,025.40
1/4		1/4		1/4		1/4	4,348.73	1/4	4,177.56	1/4	3,998.53	1/4	3,812.16	1/4	3,619.49	1/4	3,376.09	1/4	3,017.92
1/2		1/2		1/2		1/2	4,344.94	1/2	4,173.91	1/2	3,994.72	1/2	3,808.20	1/2	3,615.46	1/2	3,368.63	1/2	3,010.44
3/4		3/4		3/4		3/4	4,341.16	3/4	4,170.27	3/4	3,990.91	3/4	3,804.25	3/4	3,611.42	3/4	3,361.17	3/4	3,002.96
4		4		4		4	4,337.69	4	4,166.61	4	3,987.09	4	3,800.28	4	3,607.39	4	3,353.70	4	2,995.47
1/4		1/4		1/4		1/4	4,334.21	1/4	4,162.95	1/4	3,983.27	1/4	3,796.31	1/4	3,603.35	1/4	3,346.24	1/4	2,987.99
1/2		1/2		1/2		1/2	4,330.74	1/2	4,159.29	1/2	3,979.45	1/2	3,792.34	1/2	3,599.32	1/2	3,338.77	1/2	2,980.51
3/4		3/4		3/4		3/4	4,327.27	3/4	4,155.63	3/4	3,975.63	3/4	3,788.37	3/4	3,595.28	3/4	3,331.31	3/4	2,973.03
5		5		5		5	4,323.78	5	4,151.96	5	3,971.79	5	3,784.39	5	3,591.25	5	3,323.85	5	2,965.54
1/4		1/4		1/4		1/4	4,320.30	1/4	4,148.29	1/4	3,967.96	1/4	3,780.41	1/4	3,587.21	1/4	3,316.39	1/4	2,958.06
1/2		1/2		1/2		1/2	4,316.81	1/2	4,144.62	1/2	3,964.13	1/2	3,776.43	1/2	3,583.18	1/2	3,308.92	1/2	2,950.58
3/4		3/4		3/4		3/4	4,313.33	3/4	4,140.94	3/4	3,960.29	3/4	3,772.45	3/4	3,579.14	3/4	3,301.46	3/4	2,943.09
6		6		6		6	4,309.83	6	4,137.26	6	3,956.45	6	3,768.45	6	3,575.11	6	3,294.01	6	2,935.61
1/4		1/4		1/4		1/4	4,306.33	1/4	4,133.58	1/4	3,952.60	1/4	3,764.46	1/4	3,571.07	1/4	3,286.56	1/4	2,928.13
1/2		1/2		1/2		1/2	4,302.83	1/2	4,129.89	1/2	3,948.76	1/2	3,760.47	1/2	3,567.04	1/2	3,279.12	1/2	2,920.65
3/4		3/4		3/4		3/4	4,299.34	3/4	4,126.21	3/4	3,944.91	3/4	3,756.47	3/4	3,563.00	3/4	3,271.67	3/4	2,913.16
7		7		7		7	4,295.83	7	4,122.51	7	3,941.05	7	3,752.47	7	3,558.97	7	3,264.22	7	2,905.68
1/4		1/4		1/4		1/4	4,292.32	1/4	4,118.81	1/4	3,937.19	1/4	3,748.46	1/4	3,554.93	1/4	3,256.77	1/4	2,898.20
1/2		1/2		1/2		1/2	4,288.81	1/2	4,115.12	1/2	3,933.34	1/2	3,744.46	1/2	3,550.90	1/2	3,249.32	1/2	2,890.72
3/4		3/4		3/4		3/4	4,285.30	3/4	4,111.42	3/4	3,929.48	3/4	3,740.45	3/4	3,546.86	3/4	3,241.87	3/4	2,883.23
8		8		8		8	4,281.77	8	4,107.70	8	3,925.61	8	3,736.43	8	3,542.83	8	3,234.42	8	2,875.75
1/4		1/4		1/4		1/4	4,278.25	1/4	4,103.97	1/4	3,921.74	1/4	3,732.41	1/4	3,538.79	1/4	3,226.98	1/4	2,868.27
1/2		1/2		1/2		1/2	4,274.73	1/2	4,100.25	1/2	3,917.87	1/2	3,728.40	1/2	3,534.76	1/2	3,219.53	1/2	2,860.79
3/4		3/4		3/4		3/4	4,271.21	3/4	4,096.53	3/4	3,914.00	3/4	3,724.38	3/4	3,530.72	3/4	3,212.08	3/4	2,853.30
9		9		9		9	4,267.67	9	4,092.79	9	3,910.11	9	3,720.35	9	3,526.69	9	3,204.63	9	2,845.82
1/4		1/4		1/4		1/4	4,264.13	1/4	4,089.06	1/4	3,906.23	1/4	3,716.32	1/4	3,522.65	1/4	3,197.18	1/4	2,838.34
1/2		1/2		1/2		1/2	4,260.59	1/2	4,085.32	1/2	3,902.35	1/2	3,712.29	1/2	3,518.62	1/2	3,189.73	1/2	2,830.85
3/4		3/4		3/4		3/4	4,257.05	3/4	4,081.59	3/4	3,898.46	3/4	3,708.26	3/4	3,514.58	3/4	3,182.29	3/4	2,823.37
10		10		10		10	4,253.47	10	4,077.84	10	3,894.57	10	3,704.23	10	3,510.55	10	3,174.84	10	2,815.89
1/4		1/4		1/4		1/4	4,249.88	1/4	4,074.09	1/4	3,890.67	1/4	3,700.19	1/4	3,506.52	1/4	3,167.39	1/4	2,808.41
1/2		1/2		1/2		1/2	4,246.29	1/2	4,070.35	1/2	3,886.78	1/2	3,696.16	1/2	3,502.48	1/2	3,159.94	1/2	2,800.92
3/4		3/4		3/4		3/4	4,242.71	3/4	4,066.60	3/4	3,882.88	3/4	3,692.12	3/4	3,498.45	3/4	3,152.49	3/4	2,793.44
11		11		11		11	4,239.11	11	4,062.84	11	3,878.98	11	3,688.09	11	3,493.98	11	3,145.04	11	2,785.96
1/4		1/4		1/4		1/4	4,235.51	1/4	4,059.08	1/4	3,875.07	1/4	3,684.05	1/4	3,489.52	1/4	3,137.59	1/4	2,778.47
1/2		1/2		1/2		1/2	4,231.92	1/2	4,055.32	1/2	3,871.16	1/2	3,680.02	1/2	3,485.05	1/2	3,130.13	1/2	2,770.99
3/4		3/4		3/4		3/4	4,228.32	3/4	4,051.56	3/4	3,867.26	3/4	3,675.98	3/4	3,480.59	3/4	3,122.68	3/4	2,763.50

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THE TOP LIP OF 4" STANDPIPE.

GAUGE POINT: (4 INCH) LOCATED 10'-06" OFF CENTERLINE AND 55'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 345"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16-8 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	2,396.19	0	2,036.33	0	1,676.40	0	1,316.47	0	956.82	0	596.99	0	258.98	0		0		0	
1/4	2,388.69	1/4	2,028.84	1/4	1,668.90	1/4	1,308.97	1/4	949.34	1/4	589.49	1/4	251.49	1/4		1/4		1/4	
1/2	2,381.19	1/2	2,021.34	1/2	1,661.40	1/2	1,301.47	1/2	941.85	1/2	581.99	1/2	243.99	1/2		1/2		1/2	
3/4	2,373.70	3/4	2,013.84	3/4	1,653.91	3/4	1,293.97	3/4	934.36	3/4	574.49	3/4	236.49	3/4		3/4		3/4	
1	2,366.20	1	2,006.34	1	1,646.41	1	1,286.47	1	926.87	1	566.99	1	228.99	1		1		1	
1/4	2,358.70	1/4	1,998.84	1/4	1,638.91	1/4	1,278.98	1/4	919.38	1/4	559.49	1/4	221.49	1/4		1/4		1/4	
1/2	2,351.20	1/2	1,991.34	1/2	1,631.41	1/2	1,271.48	1/2	911.89	1/2	552.00	1/2	213.99	1/2		1/2		1/2	
3/4	2,343.71	3/4	1,983.84	3/4	1,623.91	3/4	1,263.98	3/4	904.40	3/4	544.50	3/4	206.50	3/4		3/4		3/4	
2	2,336.21	2	1,976.35	2	1,616.41	2	1,256.48	2	896.90	2	537.00	2	199.00	2		2		2	
1/4	2,328.71	1/4	1,968.85	1/4	1,608.91	1/4	1,248.98	1/4	889.41	1/4	529.50	1/4	191.50	1/4		1/4		1/4	
1/2	2,321.22	1/2	1,961.35	1/2	1,601.42	1/2	1,241.48	1/2	881.92	1/2	522.00	1/2	184.00	1/2		1/2		1/2	
3/4	2,313.72	3/4	1,953.85	3/4	1,593.92	3/4	1,233.98	3/4	874.42	3/4	514.50	3/4	176.50	3/4		3/4		3/4	
3	2,306.22	3	1,946.35	3	1,586.42	3	1,226.49	3	866.92	3	507.01	3	169.00	3		3		3	
1/4	2,298.72	1/4	1,938.85	1/4	1,578.92	1/4	1,218.99	1/4	859.43	1/4	499.51	1/4	161.51	1/4		1/4		1/4	
1/2	2,291.23	1/2	1,931.35	1/2	1,571.42	1/2	1,211.49	1/2	851.93	1/2	492.01	1/2	154.01	1/2		1/2		1/2	
3/4	2,283.73	3/4	1,923.86	3/4	1,563.92	3/4	1,203.99	3/4	844.43	3/4	484.51	3/4	146.51	3/4		3/4		3/4	
4	2,276.24	4	1,916.36	4	1,556.42	4	1,196.50	4	836.93	4	477.01	4	139.01	4		4		4	
1/4	2,268.74	1/4	1,908.86	1/4	1,548.93	1/4	1,189.00	1/4	829.43	1/4	469.51	1/4	131.51	1/4		1/4		1/4	
1/2	2,261.24	1/2	1,901.36	1/2	1,541.43	1/2	1,181.51	1/2	821.93	1/2	462.02	1/2	124.01	1/2		1/2		1/2	
3/4	2,253.74	3/4	1,893.86	3/4	1,533.93	3/4	1,174.01	3/4	814.44	3/4	454.52	3/4	116.52	3/4		3/4		3/4	
5	2,246.25	5	1,886.36	5	1,526.43	5	1,166.52	5	806.94	5	447.02	5	109.10	5		5		5	
1/4	2,238.75	1/4	1,878.86	1/4	1,518.93	1/4	1,159.03	1/4	799.44	1/4	439.52	1/4	101.68	1/4		1/4		1/4	
1/2	2,231.25	1/2	1,871.37	1/2	1,511.43	1/2	1,151.54	1/2	791.94	1/2	432.02	1/2	94.26	1/2		1/2		1/2	
3/4	2,223.76	3/4	1,863.87	3/4	1,503.93	3/4	1,144.05	3/4	784.44	3/4	424.52	3/4	86.84	3/4		3/4		3/4	
6	2,216.26	6	1,856.37	6	1,496.44	6	1,136.57	6	776.94	6	417.03	6	80.12	6		6		6	
1/4	2,208.76	1/4	1,848.87	1/4	1,488.94	1/4	1,129.08	1/4	769.45	1/4	409.53	1/4	73.40	1/4		1/4		1/4	
1/2	2,201.27	1/2	1,841.37	1/2	1,481.44	1/2	1,121.59	1/2	761.95	1/2	402.03	1/2	66.68	1/2		1/2		1/2	
3/4	2,193.77	3/4	1,833.87	3/4	1,473.94	3/4	1,114.10	3/4	754.45	3/4	394.53	3/4	59.97	3/4		3/4		3/4	
7	2,186.27	7	1,826.37	7	1,466.44	7	1,106.61	7	746.95	7	387.03	7	54.50	7		7		7	
1/4	2,178.78	1/4	1,818.87	1/4	1,458.94	1/4	1,099.12	1/4	739.45	1/4	379.54	1/4	49.03	1/4		1/4		1/4	
1/2	2,171.28	1/2	1,811.38	1/2	1,451.44	1/2	1,091.63	1/2	731.96	1/2	372.04	1/2	43.57	1/2		1/2		1/2	
3/4	2,163.78	3/4	1,803.88	3/4	1,443.94	3/4	1,084.14	3/4	724.46	3/4	364.54	3/4	38.10	3/4		3/4		3/4	
8	2,156.29	8	1,796.38	8	1,436.45	8	1,076.65	8	716.96	8	357.04	8	33.88	8		8		8	
1/4	2,148.79	1/4	1,788.88	1/4	1,428.95	1/4	1,069.16	1/4	709.46	1/4	349.54	1/4	29.67	1/4		1/4		1/4	
1/2	2,141.29	1/2	1,781.38	1/2	1,421.45	1/2	1,061.67	1/2	701.96	1/2	342.04	1/2	25.45	1/2		1/2		1/2	
3/4	2,133.79	3/4	1,773.88	3/4	1,413.95	3/4	1,054.18	3/4	694.46	3/4	334.55	3/4	21.23	3/4		3/4		3/4	
9	2,126.30	9	1,766.38	9	1,406.45	9	1,046.70	9	686.97	9	327.05	9		9		9		9	
1/4	2,118.80	1/4	1,758.89	1/4	1,398.95	1/4	1,039.21	1/4	679.47	1/4	319.55	1/4		1/4		1/4		1/4	
1/2	2,111.30	1/2	1,751.39	1/2	1,391.45	1/2	1,031.72	1/2	671.97	1/2	312.05	1/2		1/2		1/2		1/2	
3/4	2,103.81	3/4	1,743.89	3/4	1,383.96	3/4	1,024.23	3/4	664.47	3/4	305.92	3/4		3/4		3/4		3/4	
10	2,096.31	10	1,736.39	10	1,376.46	10	1,016.74	10	656.97	10	301.16	10		10		10		10	
1/4	2,088.81	1/4	1,728.89	1/4	1,368.96	1/4	1,009.25	1/4	649.47	1/4	296.40	1/4		1/4		1/4		1/4	
1/2	2,081.32	1/2	1,721.39	1/2	1,361.46	1/2	1,001.76	1/2	641.98	1/2	291.65	1/2		1/2		1/2		1/2	
3/4	2,073.82	3/4	1,713.89	3/4	1,353.96	3/4	994.27	3/4	634.48	3/4	286.89	3/4		3/4		3/4		3/4	
11	2,066.32	11	1,706.40	11	1,346.46	11	986.78	11	626.98	11	282.13	11		11		11		11	
1/4	2,058.83	1/4	1,698.90	1/4	1,338.96	1/4	979.29	1/4	619.48	1/4	277.37	1/4		1/4		1/4		1/4	
1/2	2,051.33	1/2	1,691.40	1/2	1,331.47	1/2	971.80	1/2	611.98	1/2	272.61	1/2		1/2		1/2		1/2	
3/4	2,043.83	3/4	1,683.90	3/4	1,323.97	3/4	964.31	3/4	604.48	3/4	266.48	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 SW
CALCULATED: 03/19/2014 CL
RE PRINTED: 04/17/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 345"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16-8 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		0		0	4,197.15	0	4,020.99	0	3,837.30	0	3,646.66	0	3,448.59	0	3,091.34	0	2,733.00
1/4		1/4		1/4		1/4	4,193.56	1/4	4,017.23	1/4	3,833.39	1/4	3,642.64	1/4	3,441.14	1/4	3,083.87	1/4	2,725.51
1/2		1/2		1/2		1/2	4,189.96	1/2	4,013.48	1/2	3,829.49	1/2	3,638.62	1/2	3,433.69	1/2	3,076.40	1/2	2,718.03
3/4		3/4		3/4		3/4	4,346.11	3/4	4,186.37	3/4	4,009.72	3/4	3,825.58	3/4	3,634.60	3/4	3,426.24	3/4	3,068.93
1		1		1		1	4,344.47	1	4,182.76	1	4,005.95	1	3,821.67	1	3,630.58	1	3,418.79	1	3,061.46
1/4		1/4		1/4		1/4	4,342.84	1/4	4,179.16	1/4	4,002.18	1/4	3,817.75	1/4	3,626.56	1/4	3,411.34	1/4	3,053.99
1/2		1/2		1/2		1/2	4,341.20	1/2	4,175.55	1/2	3,998.42	1/2	3,813.84	1/2	3,622.54	1/2	3,403.89	1/2	3,046.52
3/4		3/4		3/4		3/4	4,339.57	3/4	4,171.95	3/4	3,994.65	3/4	3,809.92	3/4	3,618.53	3/4	3,396.44	3/4	3,039.06
2		2		2		2	4,336.71	2	4,168.33	2	3,990.87	2	3,805.99	2	3,614.51	2	3,388.99	2	3,031.60
1/4		1/4		1/4		1/4	4,333.86	1/4	4,164.71	1/4	3,987.09	1/4	3,802.06	1/4	3,610.49	1/4	3,381.54	1/4	3,024.13
1/2		1/2		1/2		1/2	4,331.00	1/2	4,161.09	1/2	3,983.30	1/2	3,798.13	1/2	3,606.47	1/2	3,374.09	1/2	3,016.67
3/4		3/4		3/4		3/4	4,328.15	3/4	4,157.47	3/4	3,979.52	3/4	3,794.21	3/4	3,602.45	3/4	3,366.64	3/4	3,009.21
3		3		3		3	4,324.38	3	4,153.84	3	3,975.73	3	3,790.27	3	3,598.43	3	3,359.19	3	3,001.75
1/4		1/4		1/4		1/4	4,320.61	1/4	4,150.21	1/4	3,971.94	1/4	3,786.32	1/4	3,594.41	1/4	3,351.74	1/4	2,994.29
1/2		1/2		1/2		1/2	4,316.85	1/2	4,146.58	1/2	3,968.15	1/2	3,782.38	1/2	3,590.39	1/2	3,344.29	1/2	2,986.83
3/4		3/4		3/4		3/4	4,313.08	3/4	4,142.95	3/4	3,964.35	3/4	3,778.44	3/4	3,586.37	3/4	3,336.84	3/4	2,979.37
4		4		4		4	4,309.62	4	4,139.30	4	3,960.55	4	3,774.49	4	3,582.35	4	3,329.39	4	2,971.91
1/4		1/4		1/4		1/4	4,306.16	1/4	4,135.66	1/4	3,956.74	1/4	3,770.54	1/4	3,578.33	1/4	3,321.94	1/4	2,964.45
1/2		1/2		1/2		1/2	4,302.71	1/2	4,132.02	1/2	3,952.94	1/2	3,766.58	1/2	3,574.31	1/2	3,314.49	1/2	2,956.98
3/4		3/4		3/4		3/4	4,299.25	3/4	4,128.37	3/4	3,949.13	3/4	3,762.63	3/4	3,570.29	3/4	3,307.04	3/4	2,949.52
5		5		5		5	4,295.78	5	4,124.72	5	3,945.31	5	3,758.67	5	3,566.28	5	3,299.59	5	2,942.06
1/4		1/4		1/4		1/4	4,292.31	1/4	4,121.06	1/4	3,941.50	1/4	3,754.70	1/4	3,562.26	1/4	3,292.14	1/4	2,934.60
1/2		1/2		1/2		1/2	4,288.84	1/2	4,117.41	1/2	3,937.68	1/2	3,750.73	1/2	3,558.24	1/2	3,284.70	1/2	2,927.14
3/4		3/4		3/4		3/4	4,285.37	3/4	4,113.75	3/4	3,933.86	3/4	3,746.77	3/4	3,554.22	3/4	3,277.25	3/4	2,919.68
6		6		6		6	4,281.89	6	4,110.08	6	3,930.03	6	3,742.79	6	3,550.20	6	3,269.81	6	2,912.22
1/4		1/4		1/4		1/4	4,278.41	1/4	4,106.42	1/4	3,926.20	1/4	3,738.81	1/4	3,546.18	1/4	3,262.38	1/4	2,904.76
1/2		1/2		1/2		1/2	4,274.93	1/2	4,102.75	1/2	3,922.37	1/2	3,734.84	1/2	3,542.16	1/2	3,254.95	1/2	2,897.30
3/4		3/4		3/4		3/4	4,271.45	3/4	4,099.08	3/4	3,918.54	3/4	3,730.86	3/4	3,538.14	3/4	3,247.51	3/4	2,889.83
7		7		7		7	4,267.95	7	4,095.40	7	3,914.70	7	3,726.87	7	3,534.12	7	3,240.08	7	2,882.37
1/4		1/4		1/4		1/4	4,264.46	1/4	4,091.72	1/4	3,910.85	1/4	3,722.88	1/4	3,530.10	1/4	3,232.64	1/4	2,874.91
1/2		1/2		1/2		1/2	4,260.96	1/2	4,088.04	1/2	3,907.01	1/2	3,718.89	1/2	3,526.08	1/2	3,225.21	1/2	2,867.45
3/4		3/4		3/4		3/4	4,257.47	3/4	4,084.35	3/4	3,903.17	3/4	3,714.90	3/4	3,522.06	3/4	3,217.77	3/4	2,859.99
8		8		8		8	4,253.96	8	4,080.65	8	3,899.32	8	3,710.90	8	3,518.05	8	3,210.34	8	2,852.52
1/4		1/4		1/4		1/4	4,250.46	1/4	4,076.94	1/4	3,895.46	1/4	3,706.89	1/4	3,514.03	1/4	3,202.90	1/4	2,845.05
1/2		1/2		1/2		1/2	4,246.95	1/2	4,073.23	1/2	3,891.61	1/2	3,702.89	1/2	3,510.01	1/2	3,195.47	1/2	2,837.58
3/4		3/4		3/4		3/4	4,243.44	3/4	4,069.53	3/4	3,887.75	3/4	3,698.89	3/4	3,505.99	3/4	3,188.03	3/4	2,830.11
9		9		9		9	4,239.92	9	4,065.81	9	3,883.88	9	3,694.88	9	3,501.97	9	3,180.60	9	2,822.64
1/4		1/4		1/4		1/4	4,236.40	1/4	4,062.09	1/4	3,880.02	1/4	3,690.86	1/4	3,497.95	1/4	3,173.17	1/4	2,815.17
1/2		1/2		1/2		1/2	4,232.87	1/2	4,058.37	1/2	3,876.15	1/2	3,686.85	1/2	3,493.93	1/2	3,165.73	1/2	2,807.71
3/4		3/4		3/4		3/4	4,229.35	3/4	4,054.65	3/4	3,872.28	3/4	3,682.83	3/4	3,489.91	3/4	3,158.30	3/4	2,800.24
10		10		10		10	4,225.78	10	4,050.92	10	3,868.40	10	3,678.81	10	3,485.89	10	3,150.86	10	2,792.77
1/4		1/4		1/4		1/4	4,222.21	1/4	4,047.19	1/4	3,864.52	1/4	3,674.79	1/4	3,481.87	1/4	3,143.43	1/4	2,785.30
1/2		1/2		1/2		1/2	4,218.64	1/2	4,043.45	1/2	3,860.65	1/2	3,670.77	1/2	3,477.85	1/2	3,135.99	1/2	2,777.83
3/4		3/4		3/4		3/4	4,215.07	3/4	4,039.72	3/4	3,856.77	3/4	3,666.76	3/4	3,473.83	3/4	3,128.56	3/4	2,770.36
11		11		11		11	4,211.49	11	4,035.98	11	3,852.87	11	3,662.74	11	3,469.39	11	3,121.12	11	2,762.89
1/4		1/4		1/4		1/4	4,207.91	1/4	4,032.23	1/4	3,848.98	1/4	3,658.72	1/4	3,464.94	1/4	3,113.68	1/4	2,755.42
1/2		1/2		1/2		1/2	4,204.33	1/2	4,028.49	1/2	3,845.09	1/2	3,654.70	1/2	3,460.49	1/2	3,106.24	1/2	2,747.95
3/4		3/4		3/4		3/4	4,200.75	3/4	4,024.75	3/4	3,841.20	3/4	3,650.68	3/4	3,456.04	3/4	3,098.80	3/4	2,740.48

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.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THE TOP LIP OF 4" STANDPIPE.

GAUGE POINT: (4 INCH) LOCATED 10'-06" OFF CENTERLINE AND 55'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 345"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16-8 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	2,373.84	0	2,014.67	0	1,655.41	0	1,297.48	0	948.26	0	596.06	0	258.62	0		0		0	
1/4	2,366.36	1/4	2,007.19	1/4	1,647.93	1/4	1,290.05	1/4	941.11	1/4	588.58	1/4	251.13	1/4		1/4		1/4	
1/2	2,358.88	1/2	1,999.70	1/2	1,640.44	1/2	1,282.63	1/2	933.96	1/2	581.09	1/2	243.64	1/2		1/2		1/2	
3/4	2,351.40	3/4	1,992.22	3/4	1,632.96	3/4	1,275.21	3/4	926.81	3/4	573.60	3/4	236.16	3/4		3/4		3/4	
1	2,343.91	1	1,984.73	1	1,625.47	1	1,267.79	1	919.66	1	566.12	1	228.67	1		1		1	
1/4	2,336.43	1/4	1,977.25	1/4	1,617.99	1/4	1,260.36	1/4	912.51	1/4	558.63	1/4	221.18	1/4		1/4		1/4	
1/2	2,328.95	1/2	1,969.76	1/2	1,610.50	1/2	1,252.94	1/2	905.36	1/2	551.14	1/2	213.70	1/2		1/2		1/2	
3/4	2,321.47	3/4	1,962.28	3/4	1,603.02	3/4	1,245.52	3/4	898.22	3/4	543.66	3/4	206.21	3/4		3/4		3/4	
2	2,313.98	2	1,954.79	2	1,595.53	2	1,238.10	2	891.06	2	536.17	2	198.72	2		2		2	
1/4	2,306.50	1/4	1,947.31	1/4	1,588.05	1/4	1,230.68	1/4	883.91	1/4	528.68	1/4	191.24	1/4		1/4		1/4	
1/2	2,299.02	1/2	1,939.83	1/2	1,580.56	1/2	1,223.25	1/2	876.75	1/2	521.20	1/2	183.75	1/2		1/2		1/2	
3/4	2,291.53	3/4	1,932.34	3/4	1,573.08	3/4	1,215.83	3/4	869.60	3/4	513.71	3/4	176.26	3/4		3/4		3/4	
3	2,284.05	3	1,924.86	3	1,565.60	3	1,208.43	3	862.42	3	506.22	3	168.78	3		3		3	
1/4	2,276.57	1/4	1,917.37	1/4	1,558.11	1/4	1,201.02	1/4	855.25	1/4	498.74	1/4	161.29	1/4		1/4		1/4	
1/2	2,269.09	1/2	1,909.89	1/2	1,550.63	1/2	1,193.62	1/2	848.07	1/2	491.25	1/2	153.80	1/2		1/2		1/2	
3/4	2,261.60	3/4	1,902.40	3/4	1,543.14	3/4	1,186.21	3/4	840.90	3/4	483.76	3/4	146.31	3/4		3/4		3/4	
4	2,254.12	4	1,894.92	4	1,535.66	4	1,178.80	4	833.72	4	476.28	4	138.82	4		4		4	
1/4	2,246.64	1/4	1,887.43	1/4	1,528.17	1/4	1,171.39	1/4	826.54	1/4	468.79	1/4	131.33	1/4		1/4		1/4	
1/2	2,239.15	1/2	1,879.95	1/2	1,520.69	1/2	1,163.99	1/2	819.36	1/2	461.30	1/2	123.84	1/2		1/2		1/2	
3/4	2,231.67	3/4	1,872.46	3/4	1,513.20	3/4	1,156.58	3/4	812.18	3/4	453.82	3/4	116.35	3/4		3/4		3/4	
5	2,224.19	5	1,864.98	5	1,505.72	5	1,149.18	5	804.95	5	446.33	5	108.94	5		5		5	
1/4	2,216.71	1/4	1,857.49	1/4	1,498.23	1/4	1,141.78	1/4	797.71	1/4	438.84	1/4	101.53	1/4		1/4		1/4	
1/2	2,209.22	1/2	1,850.01	1/2	1,490.75	1/2	1,134.39	1/2	790.47	1/2	431.36	1/2	94.12	1/2		1/2		1/2	
3/4	2,201.74	3/4	1,842.53	3/4	1,483.26	3/4	1,126.99	3/4	783.23	3/4	423.87	3/4	86.72	3/4		3/4		3/4	
6	2,194.26	6	1,835.04	6	1,475.79	6	1,119.84	6	775.74	6	416.38	6	80.02	6		6		6	
1/4	2,186.77	1/4	1,827.56	1/4	1,468.31	1/4	1,112.69	1/4	768.26	1/4	408.90	1/4	73.32	1/4		1/4		1/4	
1/2	2,179.29	1/2	1,820.07	1/2	1,460.83	1/2	1,105.54	1/2	760.77	1/2	401.41	1/2	66.63	1/2		1/2		1/2	
3/4	2,171.81	3/4	1,812.59	3/4	1,453.36	3/4	1,098.39	3/4	753.28	3/4	393.92	3/4	59.93	3/4		3/4		3/4	
7	2,164.33	7	1,805.10	7	1,445.94	7	1,091.24	7	745.80	7	386.44	7	54.47	7		7		7	
1/4	2,156.84	1/4	1,797.62	1/4	1,438.51	1/4	1,084.09	1/4	738.31	1/4	378.95	1/4	49.02	1/4		1/4		1/4	
1/2	2,149.36	1/2	1,790.13	1/2	1,431.09	1/2	1,076.94	1/2	730.82	1/2	371.46	1/2	43.56	1/2		1/2		1/2	
3/4	2,141.88	3/4	1,782.65	3/4	1,423.67	3/4	1,069.80	3/4	723.34	3/4	363.98	3/4	38.10	3/4		3/4		3/4	
8	2,134.40	8	1,775.16	8	1,416.24	8	1,062.65	8	715.85	8	356.49	8	33.88	8		8		8	
1/4	2,126.91	1/4	1,767.68	1/4	1,408.82	1/4	1,055.50	1/4	708.36	1/4	349.00	1/4	29.67	1/4		1/4		1/4	
1/2	2,119.43	1/2	1,760.19	1/2	1,401.40	1/2	1,048.35	1/2	700.88	1/2	341.52	1/2	25.45	1/2		1/2		1/2	
3/4	2,111.95	3/4	1,752.71	3/4	1,393.97	3/4	1,041.20	3/4	693.39	3/4	334.03	3/4	21.23	3/4		3/4		3/4	
9	2,104.46	9	1,745.23	9	1,386.55	9	1,034.05	9	685.90	9	326.54	9		9		9		9	
1/4	2,096.98	1/4	1,737.74	1/4	1,379.13	1/4	1,026.90	1/4	678.42	1/4	319.05	1/4		1/4		1/4		1/4	
1/2	2,089.50	1/2	1,730.26	1/2	1,371.71	1/2	1,019.75	1/2	670.93	1/2	311.57	1/2		1/2		1/2		1/2	
3/4	2,082.02	3/4	1,722.77	3/4	1,364.28	3/4	1,012.60	3/4	663.44	3/4	305.45	3/4		3/4		3/4		3/4	
10	2,074.53	10	1,715.29	10	1,356.86	10	1,005.45	10	655.96	10	300.70	10		10		10		10	
1/4	2,067.05	1/4	1,707.80	1/4	1,349.44	1/4	998.30	1/4	648.47	1/4	295.96	1/4		1/4		1/4		1/4	
1/2	2,059.57	1/2	1,700.32	1/2	1,342.01	1/2	991.16	1/2	640.98	1/2	291.21	1/2		1/2		1/2		1/2	
3/4	2,052.08	3/4	1,692.83	3/4	1,334.59	3/4	984.01	3/4	633.50	3/4	286.46	3/4		3/4		3/4		3/4	
11	2,044.60	11	1,685.35	11	1,327.17	11	976.86	11	626.01	11	281.72	11		11		11		11	
1/4	2,037.12	1/4	1,677.86	1/4	1,319.75	1/4	969.71	1/4	618.52	1/4	276.97	1/4		1/4		1/4		1/4	
1/2	2,029.64	1/2	1,670.38	1/2	1,312.32	1/2	962.56	1/2	611.04	1/2	272.22	1/2		1/2		1/2		1/2	
3/4	2,022.15	3/4	1,662.90	3/4	1,304.90	3/4	955.41	3/4	603.55	3/4	266.10	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 SW
CALCULATED: 03/19/2014 CL
RE PRINTED: 04/17/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

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



1 PORT ULLAGE TABLE

BARGE "CBC 345"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,089.69	0	4,766.84	0	4,428.50	0	4,076.70	0	3,714.69	0	3,351.98	0	2,989.28
1/4		1/4		1/4		1/4	5,083.14	1/4	4,759.94	1/4	4,421.30	1/4	4,069.22	1/4	3,707.14	1/4	3,344.43	1/4	2,981.72
1/2		1/2		1/2		1/2	5,076.59	1/2	4,753.04	1/2	4,414.10	1/2	4,061.74	1/2	3,699.58	1/2	3,336.87	1/2	2,974.16
3/4		3/4		3/4		3/4	5,070.03	3/4	4,746.14	3/4	4,406.89	3/4	4,054.26	3/4	3,692.02	3/4	3,329.32	3/4	2,966.61
1		1		1		1	5,063.48	1	4,739.25	1	4,399.69	1	4,046.78	1	3,684.47	1	3,321.76	1	2,959.05
1/4		1/4		1/4		1/4	5,056.91	1/4	4,732.32	1/4	4,392.46	1/4	4,039.28	1/4	3,676.91	1/4	3,314.20	1/4	2,951.50
1/2		1/2		1/2		1/2	5,050.33	1/2	4,725.40	1/2	4,385.24	1/2	4,031.78	1/2	3,669.35	1/2	3,306.65	1/2	2,943.94
3/4		3/4		3/4		3/4	5,043.76	3/4	4,718.47	3/4	4,378.01	3/4	4,024.28	3/4	3,661.80	3/4	3,299.09	3/4	2,936.38
2		2		2		2	5,037.18	2	4,711.55	2	4,370.79	2	4,016.78	2	3,654.24	2	3,291.53	2	2,928.83
1/4		1/4		1/4		1/4	5,030.58	1/4	4,704.58	1/4	4,363.54	1/4	4,009.25	1/4	3,646.68	1/4	3,283.98	1/4	2,921.27
1/2		1/2		1/2		1/2	5,023.98	1/2	4,697.60	1/2	4,356.29	1/2	4,001.73	1/2	3,639.13	1/2	3,276.42	1/2	2,913.71
3/4		3/4		3/4		3/4	5,017.39	3/4	4,690.63	3/4	4,349.04	3/4	3,994.20	3/4	3,631.57	3/4	3,268.86	3/4	2,906.16
3		3		3		3	5,010.79	3	4,683.66	3	4,341.79	3	3,986.68	3	3,624.01	3	3,261.31	3	2,898.60
1/4		1/4		1/4		1/4	5,004.16	1/4	4,676.66	1/4	4,334.52	1/4	3,979.13	1/4	3,616.46	1/4	3,253.75	1/4	2,891.04
1/2		1/2		1/2		1/2	4,997.53	1/2	4,669.67	1/2	4,327.25	1/2	3,971.59	1/2	3,608.90	1/2	3,246.19	1/2	2,883.49
3/4		3/4		3/4		3/4	4,990.90	3/4	4,662.67	3/4	4,319.98	3/4	3,964.04	3/4	3,601.35	3/4	3,238.64	3/4	2,875.93
4		4		4		4	4,984.27	4	4,655.68	4	4,312.70	4	3,956.50	4	3,593.79	4	3,231.08	4	2,868.37
1/4		1/4		1/4		1/4	4,977.55	1/4	4,648.66	1/4	4,305.41	1/4	3,948.94	1/4	3,586.23	1/4	3,223.53	1/4	2,860.82
1/2		1/2		1/2		1/2	4,970.83	1/2	4,641.64	1/2	4,298.12	1/2	3,941.38	1/2	3,578.68	1/2	3,215.97	1/2	2,853.26
3/4		3/4		3/4		3/4	4,964.12	3/4	4,634.62	3/4	4,290.82	3/4	3,933.83	3/4	3,571.12	3/4	3,208.41	3/4	2,845.71
5		5		5		5	4,957.40	5	4,627.60	5	4,283.53	5	3,926.27	5	3,563.56	5	3,200.86	5	2,838.15
1/4		1/4		1/4		1/4	4,950.66	1/4	4,620.56	1/4	4,276.21	1/4	3,918.71	1/4	3,556.01	1/4	3,193.30	1/4	2,830.59
1/2		1/2		1/2		1/2	4,943.92	1/2	4,613.52	1/2	4,268.89	1/2	3,911.16	1/2	3,548.45	1/2	3,185.74	1/2	2,823.04
3/4		3/4		3/4		3/4	4,937.19	3/4	4,606.48	3/4	4,261.57	3/4	3,903.60	3/4	3,540.89	3/4	3,178.19	3/4	2,815.48
6		6		6		6	4,930.45	6	4,599.43	6	4,254.25	6	3,896.05	6	3,533.34	6	3,170.63	6	2,807.92
1/4		1/4		1/4		1/4	4,923.69	1/4	4,592.37	1/4	4,246.91	1/4	3,888.49	1/4	3,525.78	1/4	3,163.07	1/4	2,800.37
1/2		1/2		1/2		1/2	4,916.93	1/2	4,585.31	1/2	4,239.57	1/2	3,880.93	1/2	3,518.23	1/2	3,155.52	1/2	2,792.81
3/4		3/4		3/4		3/4	4,910.17	3/4	4,578.24	3/4	4,232.23	3/4	3,873.38	3/4	3,510.67	3/4	3,147.96	3/4	2,785.25
7		7		7	5,216.46	7	4,903.41	7	4,571.18	7	4,224.89	7	3,865.82	7	3,503.11	7	3,140.41	7	2,777.70
1/4		1/4		1/4	5,211.34	1/4	4,896.63	1/4	4,564.09	1/4	4,217.53	1/4	3,858.26	1/4	3,495.56	1/4	3,132.85	1/4	2,770.14
1/2		1/2		1/2	5,206.22	1/2	4,889.84	1/2	4,557.00	1/2	4,210.16	1/2	3,850.71	1/2	3,488.00	1/2	3,125.29	1/2	2,762.59
3/4		3/4		3/4	5,201.10	3/4	4,883.06	3/4	4,549.91	3/4	4,202.80	3/4	3,843.15	3/4	3,480.44	3/4	3,117.74	3/4	2,755.03
8		8		8	5,195.98	8	4,876.28	8	4,542.82	8	4,195.44	8	3,835.59	8	3,472.89	8	3,110.18	8	2,747.47
1/4		1/4		1/4	5,189.64	1/4	4,869.47	1/4	4,535.71	1/4	4,188.05	1/4	3,828.04	1/4	3,465.33	1/4	3,102.62	1/4	2,739.92
1/2		1/2		1/2	5,183.31	1/2	4,862.67	1/2	4,528.60	1/2	4,180.66	1/2	3,820.48	1/2	3,457.77	1/2	3,095.07	1/2	2,732.36
3/4		3/4		3/4	5,176.97	3/4	4,855.86	3/4	4,521.49	3/4	4,173.28	3/4	3,812.92	3/4	3,450.22	3/4	3,087.51	3/4	2,724.80
9		9		9	5,170.64	9	4,849.06	9	4,514.38	9	4,165.89	9	3,805.37	9	3,442.66	9	3,079.95	9	2,717.25
1/4		1/4		1/4	5,163.44	1/4	4,842.23	1/4	4,507.25	1/4	4,158.48	1/4	3,797.81	1/4	3,435.10	1/4	3,072.40	1/4	2,709.69
1/2		1/2		1/2	5,156.23	1/2	4,835.40	1/2	4,500.11	1/2	4,151.07	1/2	3,790.26	1/2	3,427.55	1/2	3,064.84	1/2	2,702.13
3/4		3/4		3/4	5,149.03	3/4	4,828.57	3/4	4,492.98	3/4	4,143.66	3/4	3,782.70	3/4	3,419.99	3/4	3,057.28	3/4	2,694.58
10		10		10	5,141.83	10	4,821.74	10	4,485.85	10	4,136.25	10	3,775.14	10	3,412.44	10	3,049.73	10	2,687.02
1/4		1/4		1/4	5,135.33	1/4	4,814.89	1/4	4,478.69	1/4	4,128.82	1/4	3,767.59	1/4	3,404.88	1/4	3,042.17	1/4	2,679.46
1/2		1/2		1/2	5,128.82	1/2	4,808.04	1/2	4,471.53	1/2	4,121.39	1/2	3,760.03	1/2	3,397.32	1/2	3,034.62	1/2	2,671.91
3/4		3/4		3/4	5,122.31	3/4	4,801.19	3/4	4,464.38	3/4	4,113.95	3/4	3,752.47	3/4	3,389.77	3/4	3,027.06	3/4	2,664.35
11		11		11	5,115.81	11	4,794.34	11	4,457.22	11	4,106.52	11	3,744.92	11	3,382.21	11	3,019.50	11	2,656.80
1/4		1/4		1/4	5,109.28	1/4	4,787.46	1/4	4,450.04	1/4	4,099.06	1/4	3,737.36	1/4	3,374.65	1/4	3,011.95	1/4	2,649.24
1/2		1/2		1/2	5,102.75	1/2	4,780.59	1/2	4,442.86	1/2	4,091.61	1/2	3,729.80	1/2	3,367.10	1/2	3,004.39	1/2	2,641.69
3/4		3/4		3/4	5,096.22	3/4	4,773.71	3/4	4,435.68	3/4	4,084.15	3/4	3,722.25	3/4	3,359.54	3/4	2,996.83	3/4	2,634.13

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 345"

1 PORT
ULLAGE TABLE

GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,626.58	0	2,263.74	0	1,900.90	0	1,538.05	0	1,175.32	0	812.88	0	450.05	0	87.54	0		0	
1/4	2,619.02	1/4	2,256.18	1/4	1,893.34	1/4	1,530.49	1/4	1,167.77	1/4	805.32	1/4	442.49	1/4	80.77	1/4		1/4	
1/2	2,611.46	1/2	2,248.62	1/2	1,885.78	1/2	1,522.94	1/2	1,160.23	1/2	797.76	1/2	434.93	1/2	73.99	1/2		1/2	
3/4	2,603.90	3/4	2,241.06	3/4	1,878.22	3/4	1,515.38	3/4	1,152.68	3/4	790.20	3/4	427.37	3/4	67.22	3/4		3/4	
1	2,596.34	1	2,233.50	1	1,870.66	1	1,507.82	1	1,145.13	1	782.64	1	419.81	1	60.45	1		1	
1/4	2,588.78	1/4	2,225.94	1/4	1,863.10	1/4	1,500.26	1/4	1,137.58	1/4	775.08	1/4	412.25	1/4	54.94	1/4		1/4	
1/2	2,581.22	1/2	2,218.38	1/2	1,855.54	1/2	1,492.70	1/2	1,130.04	1/2	767.52	1/2	404.70	1/2	49.43	1/2		1/2	
3/4	2,573.66	3/4	2,210.82	3/4	1,847.98	3/4	1,485.14	3/4	1,122.49	3/4	759.96	3/4	397.14	3/4	43.92	3/4		3/4	
2	2,566.10	2	2,203.26	2	1,840.42	2	1,477.58	2	1,114.94	2	752.40	2	389.58	2	38.41	2		2	
1/4	2,558.55	1/4	2,195.70	1/4	1,832.86	1/4	1,470.02	1/4	1,107.40	1/4	744.85	1/4	382.02	1/4	34.16	1/4		1/4	
1/2	2,550.99	1/2	2,188.14	1/2	1,825.30	1/2	1,462.46	1/2	1,099.85	1/2	737.29	1/2	374.46	1/2	29.91	1/2		1/2	
3/4	2,543.43	3/4	2,180.59	3/4	1,817.74	3/4	1,454.90	3/4	1,092.30	3/4	729.73	3/4	366.90	3/4	25.66	3/4		3/4	
3	2,535.87	3	2,173.03	3	1,810.18	3	1,447.34	3	1,084.76	3	722.17	3	359.34	3	21.40	3		3	
1/4	2,528.31	1/4	2,165.47	1/4	1,802.63	1/4	1,439.78	1/4	1,077.21	1/4	714.61	1/4	351.78	1/4		1/4		1/4	
1/2	2,520.75	1/2	2,157.91	1/2	1,795.07	1/2	1,432.22	1/2	1,069.66	1/2	707.05	1/2	344.22	1/2		1/2		1/2	
3/4	2,513.19	3/4	2,150.35	3/4	1,787.51	3/4	1,424.67	3/4	1,062.12	3/4	699.49	3/4	336.66	3/4		3/4		3/4	
4	2,505.63	4	2,142.79	4	1,779.95	4	1,417.11	4	1,054.57	4	691.93	4	329.11	4		4		4	
1/4	2,498.07	1/4	2,135.23	1/4	1,772.39	1/4	1,409.55	1/4	1,047.02	1/4	684.37	1/4	321.55	1/4		1/4		1/4	
1/2	2,490.51	1/2	2,127.67	1/2	1,764.83	1/2	1,401.99	1/2	1,039.47	1/2	676.82	1/2	313.99	1/2		1/2		1/2	
3/4	2,482.95	3/4	2,120.11	3/4	1,757.27	3/4	1,394.43	3/4	1,031.93	3/4	669.26	3/4	306.43	3/4		3/4		3/4	
5	2,475.39	5	2,112.55	5	1,749.71	5	1,386.87	5	1,024.38	5	661.70	5	298.87	5		5		5	
1/4	2,467.84	1/4	2,104.99	1/4	1,742.15	1/4	1,379.31	1/4	1,016.83	1/4	654.14	1/4	291.31	1/4		1/4		1/4	
1/2	2,460.28	1/2	2,097.43	1/2	1,734.59	1/2	1,371.75	1/2	1,009.29	1/2	646.58	1/2	283.75	1/2		1/2		1/2	
3/4	2,452.72	3/4	2,089.88	3/4	1,727.03	3/4	1,364.19	3/4	1,001.74	3/4	639.02	3/4	276.19	3/4		3/4		3/4	
6	2,445.16	6	2,082.32	6	1,719.47	6	1,356.63	6	994.19	6	631.46	6	268.63	6		6		6	
1/4	2,437.60	1/4	2,074.76	1/4	1,711.92	1/4	1,349.07	1/4	986.65	1/4	623.90	1/4	261.08	1/4		1/4		1/4	
1/2	2,430.04	1/2	2,067.20	1/2	1,704.36	1/2	1,341.51	1/2	979.10	1/2	616.34	1/2	253.52	1/2		1/2		1/2	
3/4	2,422.48	3/4	2,059.64	3/4	1,696.80	3/4	1,333.96	3/4	971.55	3/4	608.79	3/4	245.96	3/4		3/4		3/4	
7	2,414.92	7	2,052.08	7	1,689.24	7	1,326.40	7	964.01	7	601.23	7	238.40	7		7		7	
1/4	2,407.36	1/4	2,044.52	1/4	1,681.68	1/4	1,318.84	1/4	956.46	1/4	593.67	1/4	230.84	1/4		1/4		1/4	
1/2	2,399.80	1/2	2,036.96	1/2	1,674.12	1/2	1,311.28	1/2	948.91	1/2	586.11	1/2	223.28	1/2		1/2		1/2	
3/4	2,392.24	3/4	2,029.40	3/4	1,666.56	3/4	1,303.72	3/4	941.36	3/4	578.55	3/4	215.72	3/4		3/4		3/4	
8	2,384.68	8	2,021.84	8	1,659.00	8	1,296.16	8	933.82	8	570.99	8	208.16	8		8		8	
1/4	2,377.12	1/4	2,014.28	1/4	1,651.44	1/4	1,288.60	1/4	926.26	1/4	563.43	1/4	200.60	1/4		1/4		1/4	
1/2	2,369.57	1/2	2,006.72	1/2	1,643.88	1/2	1,281.04	1/2	918.70	1/2	555.87	1/2	193.05	1/2		1/2		1/2	
3/4	2,362.01	3/4	1,999.16	3/4	1,636.32	3/4	1,273.48	3/4	911.14	3/4	548.31	3/4	185.49	3/4		3/4		3/4	
9	2,354.45	9	1,991.61	9	1,628.76	9	1,265.92	9	903.58	9	540.76	9	177.93	9		9		9	
1/4	2,346.89	1/4	1,984.05	1/4	1,621.20	1/4	1,258.37	1/4	896.02	1/4	533.20	1/4	170.37	1/4		1/4		1/4	
1/2	2,339.33	1/2	1,976.49	1/2	1,613.65	1/2	1,250.81	1/2	888.46	1/2	525.64	1/2	162.81	1/2		1/2		1/2	
3/4	2,331.77	3/4	1,968.93	3/4	1,606.09	3/4	1,243.25	3/4	880.91	3/4	518.08	3/4	155.25	3/4		3/4		3/4	
10	2,324.21	10	1,961.37	10	1,598.53	10	1,235.69	10	873.35	10	510.52	10	147.69	10		10		10	
1/4	2,316.65	1/4	1,953.81	1/4	1,590.97	1/4	1,228.15	1/4	865.79	1/4	502.96	1/4	140.13	1/4		1/4		1/4	
1/2	2,309.09	1/2	1,946.25	1/2	1,583.41	1/2	1,220.60	1/2	858.23	1/2	495.40	1/2	132.57	1/2		1/2		1/2	
3/4	2,301.53	3/4	1,938.69	3/4	1,575.85	3/4	1,213.05	3/4	850.67	3/4	487.84	3/4	125.02	3/4		3/4		3/4	
11	2,293.97	11	1,931.13	11	1,568.29	11	1,205.51	11	843.11	11	480.28	11	117.46	11		11		11	
1/4	2,286.41	1/4	1,923.57	1/4	1,560.73	1/4	1,197.96	1/4	835.55	1/4	472.73	1/4	109.98	1/4		1/4		1/4	
1/2	2,278.86	1/2	1,916.01	1/2	1,553.17	1/2	1,190.41	1/2	827.99	1/2	465.17	1/2	102.50	1/2		1/2		1/2	
3/4	2,271.30	3/4	1,908.45	3/4	1,545.61	3/4	1,182.87	3/4	820.43	3/4	457.61	3/4	95.02	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 SW
CALCULATED: 03/22/2014 SW
RE PRINTED: 06/12/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

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

Paul J. Mac



1 STBD

ULLAGE TABLE

BARGE "CBC 345"

GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	0	0	0	0	0	5,087.86	0	4,764.97	0	4,426.61	0	4,074.80	0	3,712.79	0	3,350.09	0	2,987.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,081.31	1/4	4,758.07	1/4	4,419.41	1/4	4,067.32	1/4	3,705.24	1/4	3,342.53	1/4	2,979.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,074.75	1/2	4,751.17	1/2	4,412.21	1/2	4,059.84	1/2	3,697.68	1/2	3,334.97	1/2	2,972.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,068.20	3/4	4,744.28	3/4	4,405.00	3/4	4,052.36	3/4	3,690.13	3/4	3,327.42	3/4	2,964.71
1	1	1	1	1	1	1	5,061.65	1	4,737.38	1	4,397.80	1	4,044.89	1	3,682.57	1	3,319.86	1	2,957.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,055.07	1/4	4,730.45	1/4	4,390.58	1/4	4,037.38	1/4	3,675.01	1/4	3,312.31	1/4	2,949.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,048.49	1/2	4,723.53	1/2	4,383.35	1/2	4,029.88	1/2	3,667.46	1/2	3,304.75	1/2	2,942.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,041.92	3/4	4,716.60	3/4	4,376.12	3/4	4,022.38	3/4	3,659.90	3/4	3,297.19	3/4	2,934.49
2	2	2	2	2	2	2	5,035.34	2	4,709.68	2	4,368.90	2	4,014.88	2	3,652.34	2	3,289.64	2	2,926.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,028.74	1/4	4,702.71	1/4	4,361.65	1/4	4,007.35	1/4	3,644.79	1/4	3,282.08	1/4	2,919.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,022.14	1/2	4,695.73	1/2	4,354.40	1/2	3,999.83	1/2	3,637.23	1/2	3,274.52	1/2	2,911.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,015.54	3/4	4,688.76	3/4	4,347.15	3/4	3,992.30	3/4	3,629.67	3/4	3,266.97	3/4	2,904.26
3	3	3	3	3	3	3	5,008.94	3	4,681.79	3	4,339.90	3	3,984.78	3	3,622.12	3	3,259.41	3	2,896.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,002.31	1/4	4,674.79	1/4	4,332.63	1/4	3,977.23	1/4	3,614.56	1/4	3,251.85	1/4	2,889.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,995.68	1/2	4,667.79	1/2	4,325.36	1/2	3,969.69	1/2	3,607.00	1/2	3,244.30	1/2	2,881.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,989.05	3/4	4,660.80	3/4	4,318.09	3/4	3,962.14	3/4	3,599.45	3/4	3,236.74	3/4	2,874.03
4	4	4	4	4	4	4	4,982.42	4	4,653.80	4	4,310.81	4	3,954.60	4	3,591.89	4	3,229.18	4	2,866.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,975.70	1/4	4,646.78	1/4	4,303.52	1/4	3,947.04	1/4	3,584.34	1/4	3,221.63	1/4	2,858.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,968.99	1/2	4,639.76	1/2	4,296.22	1/2	3,939.49	1/2	3,576.78	1/2	3,214.07	1/2	2,851.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,962.27	3/4	4,632.74	3/4	4,288.93	3/4	3,931.93	3/4	3,569.22	3/4	3,206.52	3/4	2,843.81
5	5	5	5	5	5	5	4,955.55	5	4,625.73	5	4,281.63	5	3,924.37	5	3,561.67	5	3,198.96	5	2,836.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,948.81	1/4	4,618.68	1/4	4,274.32	1/4	3,916.82	1/4	3,554.11	1/4	3,191.40	1/4	2,828.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,942.07	1/2	4,611.64	1/2	4,267.00	1/2	3,909.26	1/2	3,546.55	1/2	3,183.85	1/2	2,821.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,935.34	3/4	4,604.60	3/4	4,259.68	3/4	3,901.70	3/4	3,539.00	3/4	3,176.29	3/4	2,813.58
6	6	6	6	6	6	6	4,928.60	6	4,597.56	6	4,252.36	6	3,894.15	6	3,531.44	6	3,168.73	6	2,806.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,921.84	1/4	4,590.49	1/4	4,245.02	1/4	3,886.59	1/4	3,523.88	1/4	3,161.18	1/4	2,798.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,915.08	1/2	4,583.43	1/2	4,237.68	1/2	3,879.04	1/2	3,516.33	1/2	3,153.62	1/2	2,790.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,908.32	3/4	4,576.36	3/4	4,230.34	3/4	3,871.48	3/4	3,508.77	3/4	3,146.06	3/4	2,783.36
7	7	7	7	7	7	7	5,214.63	7	4,901.56	7	4,569.30	7	4,223.00	7	3,863.92	7	3,501.22	7	3,138.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,209.51	1/4	4,894.77	1/4	4,562.21	1/4	4,215.63	1/4	3,856.37	1/4	3,493.66	1/4	3,130.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,204.39	1/2	4,887.99	1/2	4,555.12	1/2	4,208.27	1/2	3,848.81	1/2	3,486.10	1/2	3,123.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,199.27	3/4	4,881.21	3/4	4,548.03	3/4	4,200.91	3/4	3,841.25	3/4	3,478.55	3/4	3,115.84
8	8	8	8	8	8	8	5,194.15	8	4,874.42	8	4,540.94	8	4,193.54	8	3,833.70	8	3,470.99	8	3,108.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,187.81	1/4	4,867.62	1/4	4,533.83	1/4	4,186.16	1/4	3,826.14	1/4	3,463.43	1/4	3,100.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,181.48	1/2	4,860.81	1/2	4,526.72	1/2	4,178.77	1/2	3,818.58	1/2	3,455.88	1/2	3,093.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,175.14	3/4	4,854.00	3/4	4,519.61	3/4	4,171.38	3/4	3,811.03	3/4	3,448.32	3/4	3,085.61
9	9	9	9	9	9	9	5,168.81	9	4,847.20	9	4,512.50	9	4,164.00	9	3,803.47	9	3,440.76	9	3,078.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,161.61	1/4	4,840.37	1/4	4,505.36	1/4	4,156.59	1/4	3,795.91	1/4	3,433.21	1/4	3,070.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,154.41	1/2	4,833.54	1/2	4,498.23	1/2	4,149.18	1/2	3,788.36	1/2	3,425.65	1/2	3,062.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,147.21	3/4	4,826.71	3/4	4,491.10	3/4	4,141.77	3/4	3,780.80	3/4	3,418.09	3/4	3,055.39
10	10	10	10	10	10	10	5,140.01	10	4,819.88	10	4,483.96	10	4,134.36	10	3,773.25	10	3,410.54	10	3,047.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,133.50	1/4	4,813.03	1/4	4,476.81	1/4	4,126.92	1/4	3,765.69	1/4	3,402.98	1/4	3,040.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,126.99	1/2	4,806.18	1/2	4,469.65	1/2	4,119.49	1/2	3,758.13	1/2	3,395.43	1/2	3,032.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,120.49	3/4	4,799.32	3/4	4,462.49	3/4	4,112.06	3/4	3,750.58	3/4	3,387.87	3/4	3,025.16
11	11	11	11	11	11	11	5,113.98	11	4,792.47	11	4,455.33	11	4,104.62	11	3,743.02	11	3,380.31	11	3,017.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,107.45	1/4	4,785.60	1/4	4,448.15	1/4	4,097.17	1/4	3,735.46	1/4	3,372.76	1/4	3,010.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,100.92	1/2	4,778.72	1/2	4,440.97	1/2	4,089.71	1/2	3,727.91	1/2	3,365.20	1/2	2,999.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,094.39	3/4	4,771.85	3/4	4,433.79	3/4	4,082.26	3/4	3,720.35	3/4	3,357.64	3/4	2,994.94

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 WITH "HERMETIC CLOSED GAUGING DEVICE

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

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

P. Mac



BARGE "CBC 345"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,624.66	0	2,261.83	0	1,898.99	0	1,536.15	0	1,173.91	0	812.86	0	450.04	0	87.53	0		0	
1/4	2,617.10	1/4	2,254.27	1/4	1,891.43	1/4	1,528.59	1/4	1,166.41	1/4	805.30	1/4	442.48	1/4	80.76	1/4		1/4	
1/2	2,609.54	1/2	2,246.71	1/2	1,883.87	1/2	1,521.03	1/2	1,158.90	1/2	797.75	1/2	434.92	1/2	73.99	1/2		1/2	
3/4	2,601.99	3/4	2,239.15	3/4	1,876.31	3/4	1,513.48	3/4	1,151.39	3/4	790.19	3/4	427.36	3/4	67.22	3/4		3/4	
1	2,594.43	1	2,231.59	1	1,868.75	1	1,505.92	1	1,143.88	1	782.63	1	419.81	1	60.45	1		1	
1 1/4	2,586.87	1 1/4	2,224.03	1 1/4	1,861.19	1 1/4	1,498.36	1 1/4	1,136.38	1 1/4	775.07	1 1/4	412.25	1 1/4	54.94	1 1/4		1 1/4	
1 1/2	2,579.31	1 1/2	2,216.47	1 1/2	1,853.63	1 1/2	1,490.80	1 1/2	1,128.87	1 1/2	767.51	1 1/2	404.69	1 1/2	49.43	1 1/2		1 1/2	
3/4	2,571.75	3/4	2,208.91	3/4	1,846.08	3/4	1,483.24	3/4	1,121.36	3/4	759.95	3/4	397.13	3/4	43.92	3/4		3/4	
2	2,564.19	2	2,201.35	2	1,838.52	2	1,475.68	2	1,113.85	2	752.39	2	389.57	2	38.40	2		2	
1 1/4	2,556.63	1 1/4	2,193.79	1 1/4	1,830.96	1 1/4	1,468.12	1 1/4	1,106.35	1 1/4	744.83	1 1/4	382.01	1 1/4	34.15	1 1/4		1 1/4	
1 1/2	2,549.07	1 1/2	2,186.24	1 1/2	1,823.40	1 1/2	1,460.56	1 1/2	1,098.84	1 1/2	737.28	1 1/2	374.45	1 1/2	29.90	1 1/2		1 1/2	
3/4	2,541.51	3/4	2,178.68	3/4	1,815.84	3/4	1,453.00	3/4	1,091.33	3/4	729.72	3/4	366.89	3/4	25.65	3/4		3/4	
3	2,533.95	3	2,171.12	3	1,808.28	3	1,445.44	3	1,083.82	3	722.16	3	359.34	3	21.40	3		3	
1 1/4	2,526.39	1 1/4	2,163.56	1 1/4	1,800.72	1 1/4	1,437.88	1 1/4	1,076.32	1 1/4	714.60	1 1/4	351.78	1 1/4		1 1/4		1 1/4	
1 1/2	2,518.84	1 1/2	2,156.00	1 1/2	1,793.16	1 1/2	1,430.33	1 1/2	1,068.81	1 1/2	707.04	1 1/2	344.22	1 1/2		1 1/2		1 1/2	
3/4	2,511.28	3/4	2,148.44	3/4	1,785.60	3/4	1,422.77	3/4	1,061.30	3/4	699.48	3/4	336.66	3/4		3/4		3/4	
4	2,503.72	4	2,140.88	4	1,778.04	4	1,415.21	4	1,053.80	4	691.92	4	329.10	4		4		4	
1 1/4	2,496.16	1 1/4	2,133.32	1 1/4	1,770.48	1 1/4	1,407.65	1 1/4	1,046.29	1 1/4	684.36	1 1/4	321.54	1 1/4		1 1/4		1 1/4	
1 1/2	2,488.60	1 1/2	2,125.76	1 1/2	1,762.93	1 1/2	1,400.09	1 1/2	1,038.78	1 1/2	676.80	1 1/2	313.98	1 1/2		1 1/2		1 1/2	
3/4	2,481.04	3/4	2,118.20	3/4	1,755.37	3/4	1,392.53	3/4	1,031.27	3/4	669.25	3/4	306.42	3/4		3/4		3/4	
5	2,473.48	5	2,110.64	5	1,747.81	5	1,384.97	5	1,023.77	5	661.69	5	298.86	5		5		5	
1 1/4	2,465.92	1 1/4	2,103.08	1 1/4	1,740.25	1 1/4	1,377.41	1 1/4	1,016.26	1 1/4	654.13	1 1/4	291.31	1 1/4		1 1/4		1 1/4	
1 1/2	2,458.36	1 1/2	2,095.53	1 1/2	1,732.69	1 1/2	1,369.85	1 1/2	1,008.75	1 1/2	646.57	1 1/2	283.75	1 1/2		1 1/2		1 1/2	
3/4	2,450.80	3/4	2,087.97	3/4	1,725.13	3/4	1,362.29	3/4	1,001.24	3/4	639.01	3/4	276.19	3/4		3/4		3/4	
6	2,443.24	6	2,080.41	6	1,717.57	6	1,354.73	6	993.74	6	631.45	6	268.63	6		6		6	
1 1/4	2,435.69	1 1/4	2,072.85	1 1/4	1,710.01	1 1/4	1,347.17	1 1/4	986.23	1 1/4	623.89	1 1/4	261.07	1 1/4		1 1/4		1 1/4	
1 1/2	2,428.13	1 1/2	2,065.29	1 1/2	1,702.45	1 1/2	1,339.62	1 1/2	978.72	1 1/2	616.33	1 1/2	253.51	1 1/2		1 1/2		1 1/2	
3/4	2,420.57	3/4	2,057.73	3/4	1,694.89	3/4	1,332.06	3/4	971.21	3/4	608.78	3/4	245.95	3/4		3/4		3/4	
7	2,413.01	7	2,050.17	7	1,687.33	7	1,324.50	7	963.71	7	601.22	7	238.39	7		7		7	
1 1/4	2,405.45	1 1/4	2,042.61	1 1/4	1,679.78	1 1/4	1,316.94	1 1/4	956.20	1 1/4	593.66	1 1/4	230.84	1 1/4		1 1/4		1 1/4	
1 1/2	2,397.89	1 1/2	2,035.05	1 1/2	1,672.22	1 1/2	1,309.38	1 1/2	948.69	1 1/2	586.10	1 1/2	223.28	1 1/2		1 1/2		1 1/2	
3/4	2,390.33	3/4	2,027.49	3/4	1,664.66	3/4	1,301.82	3/4	941.18	3/4	578.54	3/4	215.72	3/4		3/4		3/4	
8	2,382.77	8	2,019.93	8	1,657.10	8	1,294.26	8	933.67	8	570.98	8	208.16	8		8		8	
1 1/4	2,375.21	1 1/4	2,012.38	1 1/4	1,649.54	1 1/4	1,286.71	1 1/4	926.15	1 1/4	563.42	1 1/4	200.60	1 1/4		1 1/4		1 1/4	
1 1/2	2,367.65	1 1/2	2,004.82	1 1/2	1,641.98	1 1/2	1,279.15	1 1/2	918.62	1 1/2	555.86	1 1/2	193.04	1 1/2		1 1/2		1 1/2	
3/4	2,360.09	3/4	1,997.26	3/4	1,634.42	3/4	1,271.60	3/4	911.09	3/4	548.31	3/4	185.48	3/4		3/4		3/4	
9	2,352.54	9	1,989.70	9	1,626.86	9	1,264.04	9	903.57	9	540.75	9	177.92	9		9		9	
1 1/4	2,344.98	1 1/4	1,982.14	1 1/4	1,619.30	1 1/4	1,256.53	1 1/4	896.01	1 1/4	533.19	1 1/4	170.37	1 1/4		1 1/4		1 1/4	
1 1/2	2,337.42	1 1/2	1,974.58	1 1/2	1,611.74	1 1/2	1,249.01	1 1/2	888.45	1 1/2	525.63	1 1/2	162.81	1 1/2		1 1/2		1 1/2	
3/4	2,329.86	3/4	1,967.02	3/4	1,604.18	3/4	1,241.49	3/4	880.89	3/4	518.07	3/4	155.25	3/4		3/4		3/4	
10	2,322.30	10	1,959.46	10	1,596.63	10	1,233.97	10	873.33	10	510.51	10	147.69	10		10		10	
1 1/4	2,314.74	1 1/4	1,951.90	1 1/4	1,589.07	1 1/4	1,226.47	1 1/4	865.77	1 1/4	502.95	1 1/4	140.13	1 1/4		1 1/4		1 1/4	
1 1/2	2,307.18	1 1/2	1,944.34	1 1/2	1,581.51	1 1/2	1,218.96	1 1/2	858.22	1 1/2	495.39	1 1/2	132.57	1 1/2		1 1/2		1 1/2	
3/4	2,299.62	3/4	1,936.78	3/4	1,573.95	3/4	1,211.45	3/4	850.66	3/4	487.83	3/4	125.01	3/4		3/4		3/4	
11	2,292.06	11	1,929.23	11	1,566.39	11	1,203.94	11	843.10	11	480.28	11	117.45	11		11		11	
1 1/4	2,284.50	1 1/4	1,921.67	1 1/4	1,558.83	1 1/4	1,196.44	1 1/4	835.54	1 1/4	472.72	1 1/4	109.97	1 1/4		1 1/4		1 1/4	
1 1/2	2,276.94	1 1/2	1,914.11	1 1/2	1,551.27	1 1/2	1,188.93	1 1/2	827.98	1 1/2	465.16	1 1/2	102.49	1 1/2		1 1/2		1 1/2	
3/4	2,269.39	3/4	1,906.55	3/4	1,543.71	3/4	1,181.42	3/4	820.42	3/4	457.60	3/4	95.01	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 SW
CALCULATED: 03/22/2014 SW
RE PRINTED: 06/12/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

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

P. Mac



BARGE "CBC 345"

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	5,063.48	0	4,741.60	0	4,404.31	0	4,053.60	0	3,692.91	0	3,331.59	0	2,970.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,056.96	1/4	4,734.73	1/4	4,397.14	1/4	4,046.15	1/4	3,685.38	1/4	3,324.07	1/4	2,962.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,050.43	1/2	4,727.86	1/2	4,389.96	1/2	4,038.70	1/2	3,677.86	1/2	3,316.54	1/2	2,955.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,043.91	3/4	4,720.99	3/4	4,382.79	3/4	4,031.25	3/4	3,670.33	3/4	3,309.01	3/4	2,947.70
1	1	1	1	1	1	1	5,037.36	1	4,714.10	1	4,375.59	1	4,023.78	1	3,662.80	1	3,301.49	1	2,940.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,030.81	1/4	4,707.20	1/4	4,368.39	1/4	4,016.31	1/4	3,655.27	1/4	3,293.96	1/4	2,932.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,024.26	1/2	4,700.31	1/2	4,361.20	1/2	4,008.84	1/2	3,647.75	1/2	3,286.43	1/2	2,925.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,017.71	3/4	4,693.41	3/4	4,354.00	3/4	4,001.36	3/4	3,640.22	3/4	3,278.90	3/4	2,917.59
2	2	2	2	2	2	2	5,011.14	2	4,686.46	2	4,346.78	2	3,993.87	2	3,632.69	2	3,271.38	2	2,910.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,004.57	1/4	4,679.52	1/4	4,339.56	1/4	3,986.37	1/4	3,625.16	1/4	3,263.85	1/4	2,902.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,998.00	1/2	4,672.57	1/2	4,332.34	1/2	3,978.88	1/2	3,617.64	1/2	3,256.32	1/2	2,895.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,991.43	3/4	4,665.63	3/4	4,325.12	3/4	3,971.38	3/4	3,610.11	3/4	3,248.79	3/4	2,887.48
3	3	3	3	3	3	3	4,984.83	3	4,658.66	3	4,317.87	3	3,963.86	3	3,602.58	3	3,241.27	3	2,879.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,978.22	1/4	4,651.69	1/4	4,310.63	1/4	3,956.35	1/4	3,595.05	1/4	3,233.74	1/4	2,872.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,971.62	1/2	4,644.73	1/2	4,303.39	1/2	3,948.83	1/2	3,587.53	1/2	3,226.21	1/2	2,864.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,965.02	3/4	4,637.76	3/4	4,296.14	3/4	3,941.31	3/4	3,580.00	3/4	3,218.68	3/4	2,857.37
4	4	4	4	4	4	4	4,958.33	4	4,630.77	4	4,288.88	4	3,933.79	4	3,572.47	4	3,211.16	4	2,849.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,951.64	1/4	4,623.78	1/4	4,281.61	1/4	3,926.26	1/4	3,564.94	1/4	3,203.63	1/4	2,842.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,944.95	1/2	4,616.79	1/2	4,274.35	1/2	3,918.73	1/2	3,557.42	1/2	3,196.10	1/2	2,834.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,938.26	3/4	4,609.80	3/4	4,267.08	3/4	3,911.20	3/4	3,549.89	3/4	3,188.57	3/4	2,827.26
5	5	5	5	5	5	5	4,931.55	5	4,602.78	5	4,259.79	5	3,903.68	5	3,542.36	5	3,181.05	5	2,819.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,924.84	1/4	4,595.77	1/4	4,252.50	1/4	3,896.15	1/4	3,534.83	1/4	3,173.52	1/4	2,812.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,918.13	1/2	4,588.76	1/2	4,245.21	1/2	3,888.62	1/2	3,527.31	1/2	3,165.99	1/2	2,804.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,911.42	3/4	4,581.74	3/4	4,237.92	3/4	3,881.09	3/4	3,519.78	3/4	3,158.46	3/4	2,797.15
6	6	6	6	6	6	6	4,904.69	6	4,574.70	6	4,230.61	6	3,873.57	6	3,512.25	6	3,150.94	6	2,789.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,897.96	1/4	4,567.67	1/4	4,223.30	1/4	3,866.04	1/4	3,504.72	1/4	3,143.41	1/4	2,782.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,891.22	1/2	4,560.63	1/2	4,215.99	1/2	3,858.51	1/2	3,497.20	1/2	3,135.88	1/2	2,774.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,884.49	3/4	4,553.60	3/4	4,208.67	3/4	3,850.99	3/4	3,489.67	3/4	3,128.35	3/4	2,767.04
7	7	7	7	7	7	7	4,877.74	7	4,546.54	7	4,201.34	7	3,843.46	7	3,482.14	7	3,120.83	7	2,759.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,186.07	1/4	4,870.98	1/4	4,539.48	1/4	4,194.00	1/4	3,835.93	1/4	3,474.62	1/4	3,113.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,180.97	1/2	4,864.23	1/2	4,532.42	1/2	4,186.67	1/2	3,828.40	1/2	3,467.09	1/2	3,105.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,175.87	3/4	4,857.47	3/4	4,525.36	3/4	4,179.33	3/4	3,820.88	3/4	3,459.56	3/4	3,098.25
8	8	8	8	8	8	8	5,169.56	8	4,850.69	8	4,518.27	8	4,171.98	8	3,813.35	8	3,452.03	8	3,090.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,163.25	1/4	4,843.92	1/4	4,511.19	1/4	4,164.62	1/4	3,805.82	1/4	3,444.51	1/4	3,083.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,156.93	1/2	4,837.14	1/2	4,504.11	1/2	4,157.26	1/2	3,798.29	1/2	3,436.98	1/2	3,075.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,150.62	3/4	4,830.36	3/4	4,497.03	3/4	4,149.90	3/4	3,790.77	3/4	3,429.45	3/4	3,068.14
9	9	9	9	9	9	9	5,143.45	9	4,823.56	9	4,489.92	9	4,142.52	9	3,783.24	9	3,421.92	9	3,060.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,136.28	1/4	4,816.76	1/4	4,482.82	1/4	4,135.14	1/4	3,775.71	1/4	3,414.40	1/4	3,053.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,129.11	1/2	4,809.96	1/2	4,475.71	1/2	4,127.76	1/2	3,768.18	1/2	3,406.87	1/2	3,045.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,121.93	3/4	4,803.16	3/4	4,468.60	3/4	4,120.38	3/4	3,760.66	3/4	3,399.34	3/4	3,038.03
10	10	10	10	10	10	10	5,115.45	10	4,796.33	10	4,461.48	10	4,112.97	10	3,753.13	10	3,391.81	10	3,030.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,108.97	1/4	4,789.51	1/4	4,454.35	1/4	4,105.57	1/4	3,745.60	1/4	3,384.29	1/4	3,022.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,102.50	1/2	4,782.69	1/2	4,447.22	1/2	4,098.17	1/2	3,738.07	1/2	3,376.76	1/2	3,015.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,096.02	3/4	4,775.86	3/4	4,440.09	3/4	4,090.76	3/4	3,730.55	3/4	3,369.23	3/4	3,007.92
11	11	11	11	11	11	11	5,089.51	11	4,769.01	11	4,432.94	11	4,083.33	11	3,723.02	11	3,361.70	11	3,000.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,083.01	1/4	4,762.17	1/4	4,425.79	1/4	4,075.91	1/4	3,715.49	1/4	3,354.18	1/4	2,992.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,076.51	1/2	4,755.32	1/2	4,418.64	1/2	4,068.48	1/2	3,707.96	1/2	3,346.65	1/2	2,985.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,070.01	3/4	4,748.47	3/4	4,411.48	3/4	4,061.05	3/4	3,700.44	3/4	3,339.12	3/4	2,977.81

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 WITH "HERMETIC CLOSED GAUGING DEVICE."

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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

Precision Measurement & Analysis, Inc.



BARGE "CBC 345"

2 PORT
ULLAGE TABLE

GAUGE HEIGHT 17'-02 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,608.97	0	2,247.52	0	1,886.07	0	1,524.62	0	1,163.29	0	802.22	0	440.79	0	80.45	0		0	
1/4	2,601.44	1/4	2,239.99	1/4	1,878.54	1/4	1,517.09	1/4	1,155.77	1/4	794.69	1/4	433.26	1/4	73.71	1/4		1/4	
1/2	2,593.91	1/2	2,232.46	1/2	1,871.01	1/2	1,509.56	1/2	1,148.25	1/2	787.16	1/2	425.73	1/2	66.96	1/2		1/2	
3/4	2,586.38	3/4	2,224.93	3/4	1,863.48	3/4	1,502.03	3/4	1,140.73	3/4	779.63	3/4	418.20	3/4	60.22	3/4		3/4	
1	2,578.85	1	2,217.40	1	1,855.95	1	1,494.50	1	1,133.22	1	772.10	1	410.67	1	54.73	1		1	
1/4	2,571.32	1/4	2,209.87	1/4	1,848.42	1/4	1,486.97	1/4	1,125.70	1/4	764.57	1/4	403.14	1/4	49.24	1/4		1/4	
1/2	2,563.79	1/2	2,202.34	1/2	1,840.89	1/2	1,479.44	1/2	1,118.18	1/2	757.04	1/2	395.61	1/2	43.75	1/2		1/2	
3/4	2,556.26	3/4	2,194.81	3/4	1,833.36	3/4	1,471.91	3/4	1,110.66	3/4	749.51	3/4	388.08	3/4	38.26	3/4		3/4	
2	2,548.73	2	2,187.28	2	1,825.83	2	1,464.38	2	1,103.14	2	741.98	2	380.55	2	34.02	2		2	
1/4	2,541.20	1/4	2,179.75	1/4	1,818.30	1/4	1,456.85	1/4	1,095.63	1/4	734.45	1/4	373.02	1/4	29.79	1/4		1/4	
1/2	2,533.67	1/2	2,172.22	1/2	1,810.77	1/2	1,449.32	1/2	1,088.11	1/2	726.93	1/2	365.49	1/2	25.55	1/2		1/2	
3/4	2,526.14	3/4	2,164.69	3/4	1,803.24	3/4	1,441.79	3/4	1,080.59	3/4	719.40	3/4	357.96	3/4	21.32	3/4		3/4	
3	2,518.61	3	2,157.16	3	1,795.71	3	1,434.26	3	1,073.07	3	711.87	3	350.43	7		3		3	
1/4	2,511.08	1/4	2,149.63	1/4	1,788.18	1/4	1,426.73	1/4	1,065.56	1/4	704.34	1/4	342.90	1/4		1/4		1/4	
1/2	2,503.55	1/2	2,142.10	1/2	1,780.65	1/2	1,419.20	1/2	1,058.04	1/2	696.81	1/2	335.37	1/2		1/2		1/2	
3/4	2,496.02	3/4	2,134.57	3/4	1,773.12	3/4	1,411.67	3/4	1,050.52	3/4	689.28	3/4	327.84	3/4		3/4		3/4	
4	2,488.49	4	2,127.04	4	1,765.59	4	1,404.14	4	1,043.00	4	681.75	4	320.31	4		4		4	
1/4	2,480.96	1/4	2,119.51	1/4	1,758.06	1/4	1,396.61	1/4	1,035.48	1/4	674.22	1/4	312.78	1/4		1/4		1/4	
1/2	2,473.43	1/2	2,111.98	1/2	1,750.53	1/2	1,389.08	1/2	1,027.97	1/2	666.69	1/2	305.25	1/2		1/2		1/2	
3/4	2,465.90	3/4	2,104.45	3/4	1,743.00	3/4	1,381.55	3/4	1,020.45	3/4	659.16	3/4	297.72	3/4		3/4		3/4	
5	2,458.37	5	2,096.92	5	1,735.47	5	1,374.02	5	1,012.93	5	651.63	5	290.19	5		5		5	
1/4	2,450.83	1/4	2,089.39	1/4	1,727.94	1/4	1,366.49	1/4	1,005.41	1/4	644.10	1/4	282.66	1/4		1/4		1/4	
1/2	2,443.30	1/2	2,081.85	1/2	1,720.41	1/2	1,358.96	1/2	997.89	1/2	636.57	1/2	275.13	1/2		1/2		1/2	
3/4	2,435.77	3/4	2,074.32	3/4	1,712.88	3/4	1,351.43	3/4	990.38	3/4	629.04	3/4	267.60	3/4		3/4		3/4	
6	2,428.24	6	2,066.79	6	1,705.34	6	1,343.90	6	982.86	6	621.51	6	260.07	6		6		6	
1/4	2,420.71	1/4	2,059.26	1/4	1,697.81	1/4	1,336.37	1/4	975.34	1/4	613.98	1/4	252.54	1/4		1/4		1/4	
1/2	2,413.18	1/2	2,051.73	1/2	1,690.28	1/2	1,328.84	1/2	967.82	1/2	606.45	1/2	245.01	1/2		1/2		1/2	
3/4	2,405.65	3/4	2,044.20	3/4	1,682.75	3/4	1,321.30	3/4	960.30	3/4	598.92	3/4	237.48	3/4		3/4		3/4	
7	2,398.12	7	2,036.67	7	1,675.22	7	1,313.77	7	952.79	7	591.39	7	229.95	7		7		7	
1/4	2,390.59	1/4	2,029.14	1/4	1,667.69	1/4	1,306.24	1/4	945.27	1/4	583.86	1/4	222.42	1/4		1/4		1/4	
1/2	2,383.06	1/2	2,021.61	1/2	1,660.16	1/2	1,298.71	1/2	937.75	1/2	576.33	1/2	214.89	1/2		1/2		1/2	
3/4	2,375.53	3/4	2,014.08	3/4	1,652.63	3/4	1,291.18	3/4	930.23	3/4	568.80	3/4	207.36	3/4		3/4		3/4	
8	2,368.00	8	2,006.55	8	1,645.10	8	1,283.65	8	922.70	8	561.27	8	199.83	8		8		8	
1/4	2,360.47	1/4	1,999.02	1/4	1,637.57	1/4	1,276.12	1/4	915.17	1/4	553.74	1/4	192.30	1/4		1/4		1/4	
1/2	2,352.94	1/2	1,991.49	1/2	1,630.04	1/2	1,268.59	1/2	907.64	1/2	546.21	1/2	184.77	1/2		1/2		1/2	
3/4	2,345.41	3/4	1,983.96	3/4	1,622.51	3/4	1,261.06	3/4	900.11	3/4	538.68	3/4	177.24	3/4		3/4		3/4	
9	2,337.88	9	1,976.43	9	1,614.98	9	1,253.53	9	892.58	9	531.15	9	169.71	9		9		9	
1/4	2,330.35	1/4	1,968.90	1/4	1,607.45	1/4	1,246.01	1/4	885.05	1/4	523.62	1/4	162.18	1/4		1/4		1/4	
1/2	2,322.82	1/2	1,961.37	1/2	1,599.92	1/2	1,238.48	1/2	877.52	1/2	516.09	1/2	154.65	1/2		1/2		1/2	
3/4	2,315.29	3/4	1,953.84	3/4	1,592.39	3/4	1,230.95	3/4	869.99	3/4	508.56	3/4	147.12	3/4		3/4		3/4	
10	2,307.76	10	1,946.31	10	1,584.86	10	1,223.43	10	862.46	10	501.03	10	139.59	10		10		10	
1/4	2,300.23	1/4	1,938.78	1/4	1,577.33	1/4	1,215.91	1/4	854.93	1/4	493.50	1/4	132.06	1/4		1/4		1/4	
1/2	2,292.70	1/2	1,931.25	1/2	1,569.80	1/2	1,208.40	1/2	847.40	1/2	485.97	1/2	124.53	1/2		1/2		1/2	
3/4	2,285.17	3/4	1,923.72	3/4	1,562.27	3/4	1,200.88	3/4	839.87	3/4	478.44	3/4	117.00	3/4		3/4		3/4	
11	2,277.64	11	1,916.19	11	1,554.74	11	1,193.36	11	832.34	11	470.91	11	109.55	11		11		11	
1/4	2,270.11	1/4	1,908.66	1/4	1,547.21	1/4	1,185.84	1/4	824.81	1/4	463.38	1/4	102.10	1/4		1/4		1/4	
1/2	2,262.58	1/2	1,901.13	1/2	1,539.68	1/2	1,178.32	1/2	817.28	1/2	455.85	1/2	94.65	1/2		1/2		1/2	
3/4	2,255.05	3/4	1,893.60	3/4	1,532.15	3/4	1,170.81	3/4	809.75	3/4	448.32	3/4	87.20	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 SW
CALCULATED: 03/22/2014 SW
RE PRINTED: 06/12/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

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P.O. Box 2092
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P. Mac



2 STBD ULLAGE TABLE

BARGE "CBC 345"

GAUGE HEIGHT 17'-02 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	0	0	0	0	0	5,042.13	0	4,720.62	0	4,383.69	0	4,033.37	0	3,673.06	0	3,312.14	0	2,951.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,035.62	1/4	4,713.75	1/4	4,376.53	1/4	4,025.93	1/4	3,665.54	1/4	3,304.62	1/4	2,943.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,029.10	1/2	4,706.89	1/2	4,369.36	1/2	4,018.49	1/2	3,658.02	1/2	3,297.10	1/2	2,936.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,022.58	3/4	4,700.03	3/4	4,362.20	3/4	4,011.04	3/4	3,650.50	3/4	3,289.58	3/4	2,928.65
1	1	1	1	1	1	1	5,016.04	1	4,693.14	1	4,355.01	1	4,003.58	1	3,642.99	1	3,282.06	1	2,921.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,009.50	1/4	4,686.25	1/4	4,347.82	1/4	3,996.11	1/4	3,635.47	1/4	3,274.54	1/4	2,913.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,002.96	1/2	4,679.36	1/2	4,340.63	1/2	3,988.65	1/2	3,627.95	1/2	3,267.02	1/2	2,906.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,996.42	3/4	4,672.48	3/4	4,333.44	3/4	3,981.18	3/4	3,620.43	3/4	3,259.50	3/4	2,898.57
2	2	2	2	2	2	2	4,989.85	2	4,665.54	2	4,326.23	2	3,973.70	2	3,612.91	2	3,251.98	2	2,891.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,983.29	1/4	4,658.60	1/4	4,319.01	1/4	3,966.21	1/4	3,605.39	1/4	3,244.46	1/4	2,883.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,976.73	1/2	4,651.66	1/2	4,311.80	1/2	3,958.72	1/2	3,597.87	1/2	3,236.94	1/2	2,876.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,970.16	3/4	4,644.73	3/4	4,304.59	3/4	3,951.23	3/4	3,591.35	3/4	3,229.42	3/4	2,868.50
3	3	3	3	3	3	3	4,963.57	3	4,637.77	3	4,297.35	3	3,943.72	3	3,582.83	3	3,221.90	3	2,860.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,956.97	1/4	4,630.81	1/4	4,290.12	1/4	3,936.22	1/4	3,575.31	1/4	3,214.39	1/4	2,853.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,950.38	1/2	4,623.85	1/2	4,282.88	1/2	3,928.71	1/2	3,567.79	1/2	3,206.87	1/2	2,845.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,943.78	3/4	4,616.89	3/4	4,275.65	3/4	3,921.20	3/4	3,560.27	3/4	3,199.35	3/4	2,838.42
4	4	4	4	4	4	4	4,937.10	4	4,609.90	4	4,268.39	4	3,913.68	4	3,552.75	4	3,191.83	4	2,830.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,930.42	1/4	4,602.92	1/4	4,261.13	1/4	3,906.16	1/4	3,545.23	1/4	3,184.31	1/4	2,823.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,923.74	1/2	4,595.94	1/2	4,253.87	1/2	3,898.64	1/2	3,537.72	1/2	3,176.79	1/2	2,815.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,917.06	3/4	4,588.95	3/4	4,246.61	3/4	3,891.12	3/4	3,530.20	3/4	3,169.27	3/4	2,808.34
5	5	5	5	5	5	5	4,910.35	5	4,581.95	5	4,239.33	5	3,883.60	5	3,522.68	5	3,161.75	5	2,800.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,903.65	1/4	4,574.94	1/4	4,232.05	1/4	3,876.08	1/4	3,515.16	1/4	3,154.23	1/4	2,793.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,896.95	1/2	4,567.94	1/2	4,224.77	1/2	3,868.56	1/2	3,507.64	1/2	3,146.71	1/2	2,785.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,890.24	3/4	4,560.93	3/4	4,217.49	3/4	3,861.05	3/4	3,500.12	3/4	3,139.19	3/4	2,778.27
6	6	6	6	6	6	6	4,883.52	6	4,553.90	6	4,210.18	6	3,853.53	6	3,492.60	6	3,131.67	6	2,770.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,876.79	1/4	4,546.87	1/4	4,202.88	1/4	3,846.01	1/4	3,485.08	1/4	3,124.15	1/4	2,763.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,870.07	1/2	4,539.84	1/2	4,195.58	1/2	3,838.49	1/2	3,477.56	1/2	3,116.63	1/2	2,755.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,863.35	3/4	4,532.82	3/4	4,188.27	3/4	3,830.97	3/4	3,470.04	3/4	3,109.12	3/4	2,748.19
7	7	7	7	7	7	7	5,174.78	7	4,856.60	7	4,525.76	7	4,180.94	7	3,823.45	7	3,462.52	7	3,101.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,169.68	1/4	4,851.71	1/4	4,520.62	1/4	4,175.62	1/4	3,818.93	1/4	3,457.00	1/4	3,096.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,164.59	1/2	4,846.85	1/2	4,515.66	1/2	4,169.29	1/2	3,813.41	1/2	3,451.52	1/2	3,090.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,159.49	3/4	4,841.30	3/4	4,510.66	3/4	4,163.96	3/4	3,808.41	3/4	3,446.48	3/4	3,085.12
8	8	8	8	8	8	8	5,154.40	8	4,836.36	8	4,505.61	8	4,158.96	8	3,803.89	8	3,441.96	8	3,080.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,148.10	1/4	4,831.42	1/4	4,500.67	1/4	4,153.91	1/4	3,800.00	1/4	3,437.03	1/4	3,076.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,142.79	1/2	4,826.48	1/2	4,495.72	1/2	4,148.96	1/2	3,795.56	1/2	3,432.57	1/2	3,071.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,137.48	3/4	4,821.54	3/4	4,490.78	3/4	4,144.09	3/4	3,791.11	3/4	3,428.10	3/4	3,067.20
9	9	9	9	9	9	9	5,132.02	9	4,816.60	9	4,485.82	9	4,139.13	9	3,786.64	9	3,423.62	9	3,062.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,126.56	1/4	4,811.66	1/4	4,480.86	1/4	4,134.17	1/4	3,782.17	1/4	3,419.15	1/4	3,058.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,121.10	1/2	4,806.70	1/2	4,475.90	1/2	4,129.21	1/2	3,777.70	1/2	3,414.68	1/2	3,053.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,115.64	3/4	4,801.74	3/4	4,470.94	3/4	4,124.25	3/4	3,773.23	3/4	3,410.21	3/4	3,049.28
10	10	10	10	10	10	10	5,110.18	10	4,796.78	10	4,465.98	10	4,119.29	10	3,768.76	10	3,405.74	10	3,044.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,104.72	1/4	4,791.82	1/4	4,461.02	1/4	4,114.33	1/4	3,764.29	1/4	3,401.27	1/4	3,040.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,099.26	1/2	4,786.86	1/2	4,456.06	1/2	4,109.37	1/2	3,759.82	1/2	3,396.80	1/2	3,035.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,093.80	3/4	4,781.90	3/4	4,451.10	3/4	4,104.41	3/4	3,755.36	3/4	3,392.33	3/4	3,031.36
11	11	11	11	11	11	11	5,088.34	11	4,776.94	11	4,446.14	11	4,099.45	11	3,750.89	11	3,387.87	11	3,026.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,082.88	1/4	4,771.98	1/4	4,441.18	1/4	4,094.49	1/4	3,746.43	1/4	3,383.41	1/4	3,022.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,077.42	1/2	4,767.02	1/2	4,436.22	1/2	4,089.53	1/2	3,741.97	1/2	3,378.95	1/2	3,017.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,071.96	3/4	4,762.06	3/4	4,431.26	3/4	4,084.57	3/4	3,737.51	3/4	3,374.49	3/4	3,013.44
12	12	12	12	12	12	12	5,066.50	12	4,757.10	12	4,426.30	12	4,079.61	12	3,733.05	12	3,370.03	12	3,008.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,061.04	1/4	4,752.14	1/4	4,421.34	1/4	4,074.65	1/4	3,728.59	1/4	3,365.57	1/4	3,004.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,055.58	1/2	4,747.18	1/2	4,416.38	1/2	4,069.69	1/2	3,724.13	1/2	3,361.11	1/2	3,000.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,050.12	3/4	4,742.22	3/4	4,411.42	3/4	4,064.73	3/4	3,719.67	3/4	3,356.65	3/4	2,995.52

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 WITH "HERMETIC CLOSED GAUGING DEVICE."

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 345"

2 STBD
ULLAGE TABLE

GAUGE HEIGHT 17'-02 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,590.27	0	2,229.21	0	1,868.16	0	1,507.10	0	1,150.63	0	801.37	0	440.32	0	80.37	0		0	
1/4	2,582.75	1/4	2,221.69	1/4	1,860.64	1/4	1,499.58	1/4	1,143.45	1/4	793.84	1/4	432.80	1/4	73.63	1/4		1/4	
1/2	2,575.23	1/2	2,214.17	1/2	1,853.11	1/2	1,492.06	1/2	1,136.27	1/2	786.32	1/2	425.28	1/2	66.89	1/2		1/2	
3/4	2,567.70	3/4	2,206.65	3/4	1,845.59	3/4	1,484.54	3/4	1,129.09	3/4	778.80	3/4	417.75	3/4	60.16	3/4		3/4	
1	2,560.18	1	2,199.13	1	1,838.07	1	1,477.01	1	1,121.91	1	771.28	1	410.23	1	54.67	1		1	
1/4	2,552.66	1/4	2,191.60	1/4	1,830.55	1/4	1,469.49	1/4	1,114.73	1/4	763.76	1/4	402.71	1/4	49.19	1/4		1/4	
1/2	2,545.14	1/2	2,184.08	1/2	1,823.03	1/2	1,461.97	1/2	1,107.55	1/2	756.24	1/2	395.19	1/2	43.71	1/2		1/2	
3/4	2,537.62	3/4	2,176.56	3/4	1,815.50	3/4	1,454.45	3/4	1,100.38	3/4	748.71	3/4	387.67	3/4	38.22	3/4		3/4	
2	2,530.09	2	2,169.04	2	1,807.98	2	1,446.93	2	1,093.20	2	741.19	2	380.15	2	33.99	2		2	
1/4	2,522.57	1/4	2,161.52	1/4	1,800.46	1/4	1,439.40	1/4	1,086.02	1/4	733.67	1/4	372.62	1/4	29.76	1/4		1/4	
1/2	2,515.05	1/2	2,153.99	1/2	1,792.94	1/2	1,431.88	1/2	1,078.84	1/2	726.15	1/2	365.10	1/2	25.53	1/2		1/2	
3/4	2,507.53	3/4	2,146.47	3/4	1,785.42	3/4	1,424.36	3/4	1,071.66	3/4	718.63	3/4	357.58	3/4	21.30	3/4		3/4	
3	2,500.01	3	2,138.95	3	1,777.89	3	1,416.84	3	1,064.48	3	711.10	3	350.06	7		3		3	
1/4	2,492.48	1/4	2,131.43	1/4	1,770.37	1/4	1,409.32	1/4	1,057.30	1/4	703.58	1/4	342.54	1/4		1/4		1/4	
1/2	2,484.96	1/2	2,123.91	1/2	1,762.85	1/2	1,401.79	1/2	1,050.12	1/2	696.06	1/2	335.01	1/2		1/2		1/2	
3/4	2,477.44	3/4	2,116.38	3/4	1,755.33	3/4	1,394.27	3/4	1,042.94	3/4	688.54	3/4	327.49	3/4		3/4		3/4	
4	2,469.92	4	2,108.86	4	1,747.81	4	1,386.75	4	1,035.76	4	681.02	4	319.97	4		4		4	
1/4	2,462.40	1/4	2,101.34	1/4	1,740.28	1/4	1,379.23	1/4	1,028.59	1/4	673.50	1/4	312.45	1/4		1/4		1/4	
1/2	2,454.87	1/2	2,093.82	1/2	1,732.76	1/2	1,371.71	1/2	1,021.41	1/2	665.97	1/2	304.93	1/2		1/2		1/2	
3/4	2,447.35	3/4	2,086.30	3/4	1,725.24	3/4	1,364.18	3/4	1,014.23	3/4	658.45	3/4	297.41	3/4		3/4		3/4	
5	2,439.83	5	2,078.77	5	1,717.72	5	1,356.66	5	1,007.05	5	650.93	5	289.88	5		5		5	
1/4	2,432.31	1/4	2,071.25	1/4	1,710.20	1/4	1,349.14	1/4	999.87	1/4	643.41	1/4	282.36	1/4		1/4		1/4	
1/2	2,424.79	1/2	2,063.73	1/2	1,702.67	1/2	1,341.62	1/2	992.69	1/2	635.89	1/2	274.84	1/2		1/2		1/2	
3/4	2,417.26	3/4	2,056.21	3/4	1,695.15	3/4	1,334.10	3/4	985.51	3/4	628.36	3/4	267.32	3/4		3/4		3/4	
6	2,409.74	6	2,048.69	6	1,687.63	6	1,326.57	6	978.33	6	620.84	6	259.80	6		6		6	
1/4	2,402.22	1/4	2,041.16	1/4	1,680.11	1/4	1,319.05	1/4	971.15	1/4	613.32	1/4	252.27	1/4		1/4		1/4	
1/2	2,394.70	1/2	2,033.64	1/2	1,672.59	1/2	1,311.53	1/2	963.97	1/2	605.80	1/2	244.75	1/2		1/2		1/2	
3/4	2,387.18	3/4	2,026.12	3/4	1,665.06	3/4	1,304.01	3/4	956.80	3/4	598.28	3/4	237.23	3/4		3/4		3/4	
7	2,379.65	7	2,018.60	7	1,657.54	7	1,296.49	7	949.61	7	590.76	7	229.71	7		7		7	
1/4	2,372.13	1/4	2,011.08	1/4	1,650.02	1/4	1,288.96	1/4	942.43	1/4	583.23	1/4	222.19	1/4		1/4		1/4	
1/2	2,364.61	1/2	2,003.55	1/2	1,642.50	1/2	1,281.44	1/2	935.25	1/2	575.71	1/2	214.67	1/2		1/2		1/2	
3/4	2,357.09	3/4	1,996.03	3/4	1,634.98	3/4	1,273.92	3/4	928.07	3/4	568.19	3/4	207.14	3/4		3/4		3/4	
8	2,349.57	8	1,988.51	8	1,627.45	8	1,266.44	8	920.84	8	560.67	8	199.62	8		8		8	
1/4	2,342.04	1/4	1,980.99	1/4	1,619.93	1/4	1,258.96	1/4	913.61	1/4	553.15	1/4	192.10	1/4		1/4		1/4	
1/2	2,334.52	1/2	1,973.47	1/2	1,612.41	1/2	1,251.48	1/2	906.38	1/2	545.62	1/2	184.58	1/2		1/2		1/2	
3/4	2,327.00	3/4	1,965.94	3/4	1,604.89	3/4	1,244.00	3/4	899.15	3/4	538.10	3/4	177.06	3/4		3/4		3/4	
9	2,319.48	9	1,958.42	9	1,597.37	9	1,236.81	9	891.63	9	530.58	9	169.53	9		9		9	
1/4	2,311.96	1/4	1,950.90	1/4	1,589.84	1/4	1,229.62	1/4	884.11	1/4	523.06	1/4	162.01	1/4		1/4		1/4	
1/2	2,304.43	1/2	1,943.38	1/2	1,582.32	1/2	1,222.43	1/2	876.58	1/2	515.54	1/2	154.49	1/2		1/2		1/2	
3/4	2,296.91	3/4	1,935.86	3/4	1,574.80	3/4	1,215.24	3/4	869.06	3/4	508.02	3/4	146.97	3/4		3/4		3/4	
10	2,289.39	10	1,928.33	10	1,567.28	10	1,208.06	10	861.54	10	500.49	10	139.45	10		10		10	
1/4	2,281.87	1/4	1,920.81	1/4	1,559.76	1/4	1,200.88	1/4	854.02	1/4	492.97	1/4	131.93	1/4		1/4		1/4	
1/2	2,274.35	1/2	1,913.29	1/2	1,552.23	1/2	1,193.70	1/2	846.50	1/2	485.45	1/2	124.40	1/2		1/2		1/2	
3/4	2,266.82	3/4	1,905.77	3/4	1,544.71	3/4	1,186.52	3/4	838.97	3/4	477.93	3/4	116.88	3/4		3/4		3/4	
11	2,259.30	11	1,898.25	11	1,537.19	11	1,179.34	11	831.45	11	470.41	11	109.44	11		11		11	
1/4	2,251.78	1/4	1,890.72	1/4	1,529.67	1/4	1,172.17	1/4	823.93	1/4	462.88	1/4	102.00	1/4		1/4		1/4	
1/2	2,244.26	1/2	1,883.20	1/2	1,522.15	1/2	1,164.99	1/2	816.41	1/2	455.36	1/2	94.55	1/2		1/2		1/2	
3/4	2,236.74	3/4	1,875.68	3/4	1,514.62	3/4	1,157.81	3/4	808.89	3/4	447.84	3/4	87.11	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 SW
CALCULATED: 03/22/2014 SW
RE PRINTED: 06/12/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

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

P. J. J. J.



3 PORT ULLAGE TABLE

BARGE "CBC 345"

GAUGE HEIGHT 17'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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		0		0	4,338.73	0	4,166.54	0	3,986.05	0	3,798.35	0	3,605.10	0	3,330.84	0	2,972.50
1/4		1/4		1/4		1/4	4,335.25	1/4	4,162.86	1/4	3,982.21	1/4	3,794.37	1/4	3,601.06	1/4	3,323.38	1/4	2,965.01
1/2		1/2		1/2		1/2	4,331.75	1/2	4,159.18	1/2	3,978.37	1/2	3,790.37	1/2	3,597.03	1/2	3,315.93	1/2	2,957.53
3/4		3/4		3/4		3/4	4,328.25	3/4	4,155.50	3/4	3,974.52	3/4	3,786.38	3/4	3,592.99	3/4	3,308.48	3/4	2,950.05
1		1		1		1	4,324.75	1	4,151.81	1	3,970.68	1	3,782.39	1	3,588.96	1	3,301.04	1	2,942.57
1/4		1/4		1/4		1/4	4,321.26	1/4	4,148.13	1/4	3,966.83	1/4	3,778.39	1/4	3,584.92	1/4	3,293.59	1/4	2,935.08
1/2		1/2		1/2		1/2	4,317.75	1/2	4,144.43	1/2	3,962.97	1/2	3,774.39	1/2	3,580.89	1/2	3,286.14	1/2	2,927.60
3/4		3/4		3/4		3/4	4,314.24	3/4	4,140.73	3/4	3,959.11	3/4	3,770.38	3/4	3,576.85	3/4	3,278.69	3/4	2,920.12
2		2		2		2	4,310.73	2	4,137.04	2	3,955.26	2	3,766.38	2	3,572.82	2	3,271.24	2	2,912.64
1/4		1/4		1/4		1/4	4,307.22	1/4	4,133.34	1/4	3,951.40	1/4	3,762.37	1/4	3,568.78	1/4	3,263.79	1/4	2,905.15
1/2		1/2		1/2		1/2	4,303.69	1/2	4,129.62	1/2	3,947.53	1/2	3,758.35	1/2	3,564.75	1/2	3,256.34	1/2	2,897.67
3/4		3/4		3/4		3/4	4,300.17	3/4	4,125.89	3/4	3,943.66	3/4	3,754.33	3/4	3,560.71	3/4	3,248.90	3/4	2,890.19
3		3		3		3	4,296.65	3	4,122.17	3	3,939.79	3	3,750.32	3	3,556.68	3	3,241.45	3	2,882.71
1/4		1/4		1/4		1/4	4,293.13	1/4	4,118.45	1/4	3,935.92	1/4	3,746.30	1/4	3,552.64	1/4	3,234.00	1/4	2,875.22
1/2		1/2		1/2		1/2	4,289.59	1/2	4,114.71	1/2	3,932.03	1/2	3,742.27	1/2	3,548.61	1/2	3,226.55	1/2	2,867.74
3/4		3/4		3/4		3/4	4,286.05	3/4	4,110.98	3/4	3,928.15	3/4	3,738.24	3/4	3,544.57	3/4	3,219.10	3/4	2,860.26
4		4		4		4	4,282.51	4	4,107.24	4	3,924.27	4	3,734.21	4	3,540.54	4	3,211.65	4	2,852.77
1/4		1/4		1/4		1/4	4,278.97	1/4	4,103.51	1/4	3,920.38	1/4	3,730.18	1/4	3,536.50	1/4	3,204.21	1/4	2,845.29
1/2		1/2		1/2		1/2	4,275.39	1/2	4,099.76	1/2	3,916.49	1/2	3,726.15	1/2	3,532.47	1/2	3,196.76	1/2	2,837.81
3/4		3/4		3/4		3/4	4,271.80	3/4	4,096.01	3/4	3,912.59	3/4	3,722.11	3/4	3,528.44	3/4	3,189.31	3/4	2,830.33
5		5		5		5	4,268.21	5	4,092.27	5	3,908.70	5	3,718.08	5	3,524.40	5	3,181.86	5	2,822.84
1/4		1/4		1/4		1/4	4,264.63	1/4	4,088.52	1/4	3,904.80	1/4	3,714.04	1/4	3,520.37	1/4	3,174.41	1/4	2,815.36
1/2		1/2		1/2		1/2	4,261.03	1/2	4,084.76	1/2	3,900.90	1/2	3,710.01	1/2	3,515.90	1/2	3,166.96	1/2	2,807.88
3/4		3/4		3/4		3/4	4,257.43	3/4	4,081.00	3/4	3,896.99	3/4	3,705.97	3/4	3,511.44	3/4	3,159.51	3/4	2,800.39
6		6		6		6	4,253.84	6	4,077.24	6	3,893.08	6	3,701.94	6	3,506.97	6	3,152.05	6	2,792.91
1/4		1/4		1/4		1/4	4,250.24	1/4	4,073.48	1/4	3,889.18	1/4	3,697.90	1/4	3,502.51	1/4	3,144.60	1/4	2,785.42
1/2		1/2		1/2		1/2	4,246.63	1/2	4,069.71	1/2	3,885.26	1/2	3,693.87	1/2	3,495.05	1/2	3,137.12	1/2	2,777.93
3/4		3/4		3/4		3/4	4,243.02	3/4	4,065.93	3/4	3,881.34	3/4	3,689.83	3/4	3,487.58	3/4	3,129.63	3/4	2,770.43
7		7		7		7	4,239.41	7	4,062.16	7	3,877.42	7	3,685.80	7	3,480.12	7	3,122.15	7	2,762.93
1/4		1/4		1/4		1/4	4,396.30	1/4	4,235.80	1/4	4,058.39	1/4	3,873.50	1/4	3,681.76	1/4	3,472.65	1/4	2,755.43
1/2		1/2		1/2		1/2	4,394.65	1/2	4,232.18	1/2	4,054.61	1/2	3,869.56	1/2	3,677.73	1/2	3,465.19	1/2	2,747.94
3/4		3/4		3/4		3/4	4,393.00	3/4	4,228.56	3/4	4,050.82	3/4	3,865.63	3/4	3,673.69	3/4	3,457.73	3/4	2,740.44
8		8		8		8	4,391.34	8	4,224.93	8	4,047.04	8	3,861.70	8	3,669.66	8	3,450.26	8	2,732.95
1/4		1/4		1/4		1/4	4,389.69	1/4	4,221.31	1/4	4,043.25	1/4	3,857.77	1/4	3,665.62	1/4	3,442.80	1/4	2,725.45
1/2		1/2		1/2		1/2	4,386.82	1/2	4,217.68	1/2	4,039.46	1/2	3,853.83	1/2	3,661.59	1/2	3,435.33	1/2	2,717.96
3/4		3/4		3/4		3/4	4,383.95	3/4	4,214.04	3/4	4,035.66	3/4	3,849.88	3/4	3,657.55	3/4	3,427.87	3/4	2,710.46
9		9		9		9	4,381.08	9	4,210.41	9	4,031.86	9	3,845.94	9	3,653.52	9	3,420.41	9	2,702.97
1/4		1/4		1/4		1/4	4,378.21	1/4	4,206.77	1/4	4,028.07	1/4	3,841.99	1/4	3,649.48	1/4	3,412.94	1/4	2,695.47
1/2		1/2		1/2		1/2	4,374.43	1/2	4,203.13	1/2	4,024.26	1/2	3,838.04	1/2	3,645.45	1/2	3,405.48	1/2	2,687.98
3/4		3/4		3/4		3/4	4,370.65	3/4	4,199.48	3/4	4,020.45	3/4	3,834.08	3/4	3,641.41	3/4	3,398.01	3/4	2,680.48
10		10		10		10	4,366.86	10	4,195.83	10	4,016.64	10	3,830.12	10	3,637.38	10	3,390.55	10	2,672.98
1/4		1/4		1/4		1/4	4,363.08	1/4	4,192.19	1/4	4,012.83	1/4	3,826.17	1/4	3,633.34	1/4	3,383.09	1/4	2,665.49
1/2		1/2		1/2		1/2	4,359.61	1/2	4,188.53	1/2	4,009.01	1/2	3,822.20	1/2	3,629.31	1/2	3,375.62	1/2	2,657.99
3/4		3/4		3/4		3/4	4,356.13	3/4	4,184.87	3/4	4,005.19	3/4	3,818.23	3/4	3,625.27	3/4	3,368.16	3/4	2,650.50
11		11		11		11	4,352.66	11	4,181.21	11	4,001.37	11	3,814.26	11	3,621.24	11	3,360.69	11	2,643.00
1/4		1/4		1/4		1/4	4,349.19	1/4	4,177.55	1/4	3,997.55	1/4	3,810.29	1/4	3,617.20	1/4	3,353.23	1/4	2,635.51
1/2		1/2		1/2		1/2	4,345.70	1/2	4,173.88	1/2	3,993.71	1/2	3,806.31	1/2	3,613.17	1/2	3,345.77	1/2	2,628.01
3/4		3/4		3/4		3/4	4,342.22	3/4	4,170.21	3/4	3,989.88	3/4	3,802.33	3/4	3,609.13	3/4	3,338.31	3/4	2,620.52

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 WITH "HERMETIC CLOSED GAUGING DEVICE

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

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

Precision Measurement & Analysis, Inc.



BARGE "CBC 345"

3 PORT ULLAGE TABLE

GAUGE HEIGHT 17'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,613.02	0	2,253.17	0	1,893.29	0	1,533.35	0	1,173.46	0	813.86	0	453.94	0	94.26	0		0	
1/4	2,605.53	1/4	2,245.68	1/4	1,885.79	1/4	1,525.85	1/4	1,165.97	1/4	806.36	1/4	446.44	1/4	86.84	1/4		1/4	
1/2	2,598.03	1/2	2,238.18	1/2	1,878.29	1/2	1,518.36	1/2	1,158.49	1/2	798.86	1/2	438.95	1/2	80.12	1/2		1/2	
3/4	2,590.53	3/4	2,230.68	3/4	1,870.79	3/4	1,510.86	3/4	1,151.00	3/4	791.37	3/4	431.45	3/4	73.40	3/4		3/4	
1	2,583.04	1	2,223.19	1	1,863.29	1	1,503.36	1	1,143.51	1	783.87	1	423.95	1	66.69	1		1	
1/4	2,575.54	1/4	2,215.69	1/4	1,855.79	1/4	1,495.86	1/4	1,136.02	1/4	776.37	1/4	416.45	1/4	59.97	1/4		1/4	
1/2	2,568.04	1/2	2,208.19	1/2	1,848.29	1/2	1,488.36	1/2	1,128.53	1/2	768.87	1/2	408.95	1/2	54.50	1/2		1/2	
3/4	2,560.55	3/4	2,200.70	3/4	1,840.79	3/4	1,480.86	3/4	1,121.04	3/4	761.37	3/4	401.46	3/4	49.04	3/4		3/4	
2	2,553.05	2	2,193.20	2	1,833.30	2	1,473.36	2	1,113.55	2	753.88	2	393.96	2	43.57	2		2	
1/4	2,545.55	1/4	2,185.70	1/4	1,825.80	1/4	1,465.86	1/4	1,106.06	1/4	746.38	1/4	386.46	1/4	38.10	1/4		1/4	
1/2	2,538.06	1/2	2,178.21	1/2	1,818.30	1/2	1,458.37	1/2	1,098.57	1/2	738.88	1/2	378.96	1/2	33.89	1/2		1/2	
3/4	2,530.56	3/4	2,170.71	3/4	1,810.80	3/4	1,450.87	3/4	1,091.08	3/4	731.38	3/4	371.46	3/4	29.67	3/4		3/4	
3	2,523.06	3	2,163.21	3	1,803.30	3	1,443.37	3	1,083.59	3	723.88	3	363.96	3	25.45	3		3	
1/4	2,515.57	1/4	2,155.71	1/4	1,795.80	1/4	1,435.87	1/4	1,076.10	1/4	716.38	1/4	356.47	1/4	21.23	1/4		1/4	
1/2	2,508.07	1/2	2,148.22	1/2	1,788.30	1/2	1,428.37	1/2	1,068.62	1/2	708.89	1/2	348.97	1/2		1/2		1/2	
3/4	2,500.57	3/4	2,140.72	3/4	1,780.81	3/4	1,420.87	3/4	1,061.13	3/4	701.39	3/4	341.47	3/4		3/4		3/4	
4	2,493.07	4	2,133.22	4	1,773.31	4	1,413.37	4	1,053.64	4	693.89	4	333.97	4		4		4	
1/4	2,485.58	1/4	2,125.73	1/4	1,765.81	1/4	1,405.88	1/4	1,046.15	1/4	686.39	1/4	326.47	1/4		1/4		1/4	
1/2	2,478.08	1/2	2,118.23	1/2	1,758.31	1/2	1,398.38	1/2	1,038.66	1/2	678.89	1/2	318.97	1/2		1/2		1/2	
3/4	2,470.58	3/4	2,110.73	3/4	1,750.81	3/4	1,390.88	3/4	1,031.17	3/4	671.39	3/4	311.48	3/4		3/4		3/4	
5	2,463.09	5	2,103.24	5	1,743.31	5	1,383.38	5	1,023.68	5	663.90	5	303.98	5		5		5	
1/4	2,455.59	1/4	2,095.74	1/4	1,735.81	1/4	1,375.88	1/4	1,016.19	1/4	656.40	1/4	296.48	1/4		1/4		1/4	
1/2	2,448.09	1/2	2,088.24	1/2	1,728.32	1/2	1,368.38	1/2	1,008.70	1/2	648.90	1/2	288.98	1/2		1/2		1/2	
3/4	2,440.60	3/4	2,080.75	3/4	1,720.82	3/4	1,360.88	3/4	1,001.21	3/4	641.40	3/4	281.48	3/4		3/4		3/4	
6	2,433.10	6	2,073.25	6	1,713.32	6	1,353.39	6	993.72	6	633.90	6	273.98	6		6		6	
1/4	2,425.60	1/4	2,065.75	1/4	1,705.82	1/4	1,345.89	1/4	986.23	1/4	626.40	1/4	266.49	1/4		1/4		1/4	
1/2	2,418.11	1/2	2,058.25	1/2	1,698.32	1/2	1,338.39	1/2	978.74	1/2	618.91	1/2	258.99	1/2		1/2		1/2	
3/4	2,410.61	3/4	2,050.76	3/4	1,690.82	3/4	1,330.89	3/4	971.26	3/4	611.41	3/4	251.49	3/4		3/4		3/4	
7	2,403.11	7	2,043.26	7	1,683.32	7	1,323.39	7	963.77	7	603.91	7	243.99	7		7		7	
1/4	2,395.62	1/4	2,035.76	1/4	1,675.83	1/4	1,315.89	1/4	956.28	1/4	596.41	1/4	236.49	1/4		1/4		1/4	
1/2	2,388.12	1/2	2,028.26	1/2	1,668.33	1/2	1,308.39	1/2	948.79	1/2	588.91	1/2	228.99	1/2		1/2		1/2	
3/4	2,380.62	3/4	2,020.76	3/4	1,660.83	3/4	1,300.90	3/4	941.30	3/4	581.41	3/4	221.50	3/4		3/4		3/4	
8	2,373.12	8	2,013.26	8	1,653.33	8	1,293.40	8	933.81	8	573.92	8	214.00	8		8		8	
1/4	2,365.63	1/4	2,005.76	1/4	1,645.83	1/4	1,285.90	1/4	926.32	1/4	566.42	1/4	206.50	1/4		1/4		1/4	
1/2	2,358.13	1/2	1,998.27	1/2	1,638.33	1/2	1,278.40	1/2	918.82	1/2	558.92	1/2	199.00	1/2		1/2		1/2	
3/4	2,350.63	3/4	1,990.77	3/4	1,630.83	3/4	1,270.90	3/4	911.33	3/4	551.42	3/4	191.50	3/4		3/4		3/4	
9	2,343.14	9	1,983.27	9	1,623.34	9	1,263.40	9	903.84	9	543.92	9	184.00	9		9		9	
1/4	2,335.64	1/4	1,975.77	1/4	1,615.84	1/4	1,255.90	1/4	896.34	1/4	536.42	1/4	176.51	1/4		1/4		1/4	
1/2	2,328.14	1/2	1,968.27	1/2	1,608.34	1/2	1,248.41	1/2	888.84	1/2	528.93	1/2	169.01	1/2		1/2		1/2	
3/4	2,320.65	3/4	1,960.77	3/4	1,600.84	3/4	1,240.91	3/4	881.35	3/4	521.43	3/4	161.51	3/4		3/4		3/4	
10	2,313.15	10	1,953.27	10	1,593.34	10	1,233.41	10	873.85	10	513.93	10	154.01	10		10		10	
1/4	2,305.65	1/4	1,945.78	1/4	1,585.84	1/4	1,225.91	1/4	866.35	1/4	506.43	1/4	146.51	1/4		1/4		1/4	
1/2	2,298.16	1/2	1,938.28	1/2	1,578.34	1/2	1,218.42	1/2	858.85	1/2	498.93	1/2	139.01	1/2		1/2		1/2	
3/4	2,290.66	3/4	1,930.78	3/4	1,570.85	3/4	1,210.92	3/4	851.35	3/4	491.43	3/4	131.52	3/4		3/4		3/4	
11	2,283.16	11	1,923.28	11	1,563.35	11	1,203.43	11	843.85	11	483.94	11	124.02	11		11		11	
1/4	2,275.66	1/4	1,915.78	1/4	1,555.85	1/4	1,195.93	1/4	836.36	1/4	476.44	1/4	116.52	1/4		1/4		1/4	
1/2	2,268.17	1/2	1,908.28	1/2	1,548.35	1/2	1,188.44	1/2	828.86	1/2	468.94	1/2	109.10	1/2		1/2		1/2	
3/4	2,260.67	3/4	1,900.78	3/4	1,540.85	3/4	1,180.95	3/4	821.36	3/4	461.44	3/4	101.68	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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Paul J. Acuna



3 STBD

ULLAGE TABLE

BARGE "CBC 345"

GAUGE HEIGHT 17'-02 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	0	0	0	0	0	4,303.81	0	4,132.00	0	3,951.95	0	3,764.71	0	3,572.12	0	3,291.73	0	2,934.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,300.33	1/4	4,128.34	1/4	3,948.12	1/4	3,760.73	1/4	3,568.10	1/4	3,284.30	1/4	2,926.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,296.85	1/2	4,124.67	1/2	3,944.29	1/2	3,756.76	1/2	3,564.08	1/2	3,276.87	1/2	2,919.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,293.37	3/4	4,121.00	3/4	3,940.46	3/4	3,752.78	3/4	3,560.06	3/4	3,269.43	3/4	2,911.75
1	1	1	1	1	1	1	4,289.87	1	4,117.32	1	3,936.62	1	3,748.79	1	3,556.04	1	3,262.00	1	2,904.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,286.38	1/4	4,113.64	1/4	3,932.77	1/4	3,744.80	1/4	3,552.02	1/4	3,254.56	1/4	2,896.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,282.88	1/2	4,109.96	1/2	3,928.93	1/2	3,740.81	1/2	3,548.00	1/2	3,247.13	1/2	2,889.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,279.39	3/4	4,106.27	3/4	3,925.09	3/4	3,736.82	3/4	3,543.98	3/4	3,239.69	3/4	2,881.91
2	2	2	2	2	2	2	4,275.88	2	4,102.57	2	3,921.24	2	3,732.82	2	3,539.97	2	3,232.26	2	2,874.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,272.38	1/4	4,098.86	1/4	3,917.38	1/4	3,728.81	1/4	3,535.95	1/4	3,224.82	1/4	2,866.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,268.87	1/2	4,095.15	1/2	3,913.53	1/2	3,724.81	1/2	3,531.93	1/2	3,217.39	1/2	2,859.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,265.36	3/4	4,091.45	3/4	3,909.67	3/4	3,720.81	3/4	3,527.91	3/4	3,209.95	3/4	2,852.03
3	3	3	3	3	3	3	4,261.84	3	4,087.73	3	3,905.80	3	3,716.80	3	3,523.89	3	3,202.52	3	2,844.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,258.32	1/4	4,084.01	1/4	3,901.94	1/4	3,712.78	1/4	3,519.87	1/4	3,195.09	1/4	2,837.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,254.79	1/2	4,080.29	1/2	3,898.07	1/2	3,708.77	1/2	3,515.85	1/2	3,187.65	1/2	2,829.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,251.27	3/4	4,076.57	3/4	3,894.20	3/4	3,704.75	3/4	3,511.83	3/4	3,180.22	3/4	2,822.16
4	4	4	4	4	4	4	4,247.70	4	4,072.84	4	3,890.32	4	3,700.73	4	3,507.81	4	3,172.78	4	2,814.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,244.13	1/4	4,069.11	1/4	3,886.44	1/4	3,696.71	1/4	3,503.79	1/4	3,165.35	1/4	2,807.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,240.56	1/2	4,065.37	1/2	3,882.57	1/2	3,692.69	1/2	3,499.77	1/2	3,157.91	1/2	2,799.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,236.99	3/4	4,061.64	3/4	3,878.69	3/4	3,688.68	3/4	3,495.75	3/4	3,150.48	3/4	2,792.28
5	5	5	5	5	5	5	4,233.41	5	4,057.90	5	3,874.79	5	3,684.66	5	3,491.31	5	3,143.04	5	2,784.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,229.83	1/4	4,054.15	1/4	3,870.90	1/4	3,680.64	1/4	3,486.86	1/4	3,135.60	1/4	2,777.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,226.25	1/2	4,050.41	1/2	3,867.01	1/2	3,676.62	1/2	3,482.41	1/2	3,128.16	1/2	2,769.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,222.67	3/4	4,046.67	3/4	3,863.12	3/4	3,672.60	3/4	3,477.96	3/4	3,120.72	3/4	2,762.40
6	6	6	6	6	6	6	4,219.07	6	4,042.91	6	3,859.22	6	3,668.58	6	3,470.51	6	3,113.26	6	2,754.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,215.48	1/4	4,039.15	1/4	3,855.31	1/4	3,664.56	1/4	3,463.06	1/4	3,105.79	1/4	2,747.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,211.88	1/2	4,035.40	1/2	3,851.41	1/2	3,660.54	1/2	3,455.61	1/2	3,098.32	1/2	2,739.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,208.29	3/4	4,031.64	3/4	3,847.50	3/4	3,656.52	3/4	3,448.16	3/4	3,090.85	3/4	2,732.47
7	7	7	7	7	7	7	4,204.68	7	4,027.87	7	3,843.59	7	3,652.50	7	3,440.71	7	3,083.38	7	2,724.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,201.08	1/4	4,024.10	1/4	3,839.67	1/4	3,648.48	1/4	3,433.26	1/4	3,075.91	1/4	2,717.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,363.12	1/2	4,197.47	1/2	3,835.76	1/2	3,644.46	1/2	3,425.81	1/2	3,068.44	1/2	2,710.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,361.49	3/4	4,193.87	3/4	3,831.84	3/4	3,640.45	3/4	3,418.36	3/4	3,060.98	3/4	2,702.54
8	8	8	8	8	8	8	4,358.63	8	4,190.25	8	3,827.91	8	3,636.43	8	3,410.91	8	3,053.52	8	2,695.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,355.78	1/4	4,186.63	1/4	3,823.98	1/4	3,632.41	1/4	3,403.46	1/4	3,046.05	1/4	2,687.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,352.92	1/2	4,183.01	1/2	3,820.05	1/2	3,628.39	1/2	3,398.01	1/2	3,038.59	1/2	2,680.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,350.07	3/4	4,179.39	3/4	3,816.13	3/4	3,624.37	3/4	3,388.56	3/4	3,031.13	3/4	2,672.62
9	9	9	9	9	9	9	4,346.30	9	4,175.76	9	3,812.19	9	3,620.35	9	3,381.11	9	3,023.67	9	2,665.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,342.53	1/4	4,172.13	1/4	3,808.24	1/4	3,616.33	1/4	3,373.66	1/4	3,016.21	1/4	2,657.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,338.77	1/2	4,168.50	1/2	3,804.30	1/2	3,612.31	1/2	3,366.21	1/2	3,008.75	1/2	2,650.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,335.00	3/4	4,164.87	3/4	3,800.36	3/4	3,608.29	3/4	3,358.76	3/4	3,001.29	3/4	2,642.69
10	10	10	10	10	10	10	4,331.54	10	4,161.22	10	3,796.41	10	3,604.27	10	3,351.31	10	2,993.83	10	2,635.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,328.08	1/4	4,157.58	1/4	3,792.46	1/4	3,600.25	1/4	3,343.86	1/4	2,986.37	1/4	2,627.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,324.63	1/2	4,153.94	1/2	3,788.50	1/2	3,596.23	1/2	3,336.41	1/2	2,978.90	1/2	2,620.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,321.17	3/4	4,150.29	3/4	3,784.55	3/4	3,592.21	3/4	3,328.96	3/4	2,971.44	3/4	2,612.76
11	11	11	11	11	11	11	4,317.70	11	4,146.64	11	3,780.59	11	3,588.20	11	3,321.51	11	2,963.98	11	2,605.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,314.23	1/4	4,142.98	1/4	3,776.62	1/4	3,584.18	1/4	3,314.06	1/4	2,956.52	1/4	2,597.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,310.76	1/2	4,139.33	1/2	3,772.65	1/2	3,580.16	1/2	3,306.62	1/2	2,949.06	1/2	2,590.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,307.29	3/4	4,135.67	3/4	3,768.69	3/4	3,576.14	3/4	3,299.17	3/4	2,941.60	3/4	2,582.83

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 WITH "HERMETIC CLOSED GAUGING DEVICE."

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 345"

3 STBD
ULLAGE TABLE

GAUGE HEIGHT 17'-02 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,575.35	0	2,216.18	0	1,856.96	0	1,497.71	0	1,141.76	0	797.66	0	438.30	0	80.02	0		0	
1/4	2,567.87	1/4	2,208.69	1/4	1,849.48	1/4	1,490.23	1/4	1,134.61	1/4	790.18	1/4	430.82	1/4	73.33	1/4		1/4	
1/2	2,560.39	1/2	2,201.21	1/2	1,841.99	1/2	1,482.75	1/2	1,127.46	1/2	782.69	1/2	423.33	1/2	66.63	1/2		1/2	
3/4	2,552.90	3/4	2,193.73	3/4	1,834.51	3/4	1,475.28	3/4	1,120.31	3/4	775.20	3/4	415.84	3/4	59.93	3/4		3/4	
1	2,545.42	1	2,186.25	1	1,827.02	1	1,467.86	1	1,113.16	1	767.72	1	408.36	1	54.48	1		1	
1/4	2,537.94	1/4	2,178.76	1/4	1,819.54	1/4	1,460.43	1/4	1,106.01	1/4	760.23	1/4	400.87	1/4	49.02	1/4		1/4	
1/2	2,530.46	1/2	2,171.28	1/2	1,812.05	1/2	1,453.01	1/2	1,098.86	1/2	752.74	1/2	393.38	1/2	43.56	1/2		1/2	
3/4	2,522.97	3/4	2,163.80	3/4	1,804.57	3/4	1,445.59	3/4	1,091.72	3/4	745.26	3/4	385.90	3/4	38.10	3/4		3/4	
2	2,515.49	2	2,156.32	2	1,797.08	2	1,438.16	2	1,084.57	2	737.77	2	378.41	2	33.89	2		2	
1/4	2,508.01	1/4	2,148.83	1/4	1,789.60	1/4	1,430.74	1/4	1,077.42	1/4	730.28	1/4	370.92	1/4	29.67	1/4		1/4	
1/2	2,500.52	1/2	2,141.35	1/2	1,782.11	1/2	1,423.32	1/2	1,070.27	1/2	722.80	1/2	363.44	1/2	25.45	1/2		1/2	
3/4	2,493.04	3/4	2,133.87	3/4	1,774.63	3/4	1,415.89	3/4	1,063.12	3/4	715.31	3/4	355.95	3/4	21.23	3/4		3/4	
3	2,485.56	3	2,126.38	3	1,767.15	3	1,408.47	3	1,055.97	3	707.82	3	348.46	3		3		3	
1/4	2,478.08	1/4	2,118.90	1/4	1,759.66	1/4	1,401.05	1/4	1,048.82	1/4	700.34	1/4	340.97	1/4		1/4		1/4	
1/2	2,470.59	1/2	2,111.42	1/2	1,752.18	1/2	1,393.63	1/2	1,041.67	1/2	692.85	1/2	333.49	1/2		1/2		1/2	
3/4	2,463.11	3/4	2,103.94	3/4	1,744.69	3/4	1,386.20	3/4	1,034.52	3/4	685.36	3/4	326.00	3/4		3/4		3/4	
4	2,455.63	4	2,096.45	4	1,737.21	4	1,378.78	4	1,027.37	4	677.88	4	318.51	4		4		4	
1/4	2,448.14	1/4	2,088.97	1/4	1,729.72	1/4	1,371.36	1/4	1,020.22	1/4	670.39	1/4	311.03	1/4		1/4		1/4	
1/2	2,440.66	1/2	2,081.49	1/2	1,722.24	1/2	1,363.93	1/2	1,013.08	1/2	662.90	1/2	303.54	1/2		1/2		1/2	
3/4	2,433.18	3/4	2,074.00	3/4	1,714.75	3/4	1,356.51	3/4	1,005.93	3/4	655.42	3/4	296.05	3/4		3/4		3/4	
5	2,425.70	5	2,066.52	5	1,707.27	5	1,349.09	5	998.78	5	647.93	5	288.57	5		5		5	
1/4	2,418.21	1/4	2,059.04	1/4	1,699.78	1/4	1,341.67	1/4	991.63	1/4	640.44	1/4	281.08	1/4		1/4		1/4	
1/2	2,410.73	1/2	2,051.56	1/2	1,692.30	1/2	1,334.24	1/2	984.48	1/2	632.96	1/2	273.59	1/2		1/2		1/2	
3/4	2,403.25	3/4	2,044.07	3/4	1,684.82	3/4	1,326.82	3/4	977.33	3/4	625.47	3/4	266.11	3/4		3/4		3/4	
6	2,395.76	6	2,036.59	6	1,677.33	6	1,319.40	6	970.18	6	617.98	6	258.62	6		6		6	
1/4	2,388.28	1/4	2,029.11	1/4	1,669.85	1/4	1,311.97	1/4	963.03	1/4	610.50	1/4	251.13	1/4		1/4		1/4	
1/2	2,380.80	1/2	2,021.62	1/2	1,662.36	1/2	1,304.55	1/2	955.88	1/2	603.01	1/2	243.65	1/2		1/2		1/2	
3/4	2,373.32	3/4	2,014.14	3/4	1,654.88	3/4	1,297.13	3/4	948.73	3/4	595.52	3/4	236.16	3/4		3/4		3/4	
7	2,365.83	7	2,006.65	7	1,647.39	7	1,289.71	7	941.58	7	588.04	7	228.67	7		7		7	
1/4	2,358.35	1/4	1,999.17	1/4	1,639.91	1/4	1,282.28	1/4	934.43	1/4	580.55	1/4	221.19	1/4		1/4		1/4	
1/2	2,350.87	1/2	1,991.68	1/2	1,632.42	1/2	1,274.86	1/2	927.28	1/2	573.06	1/2	213.70	1/2		1/2		1/2	
3/4	2,343.39	3/4	1,984.20	3/4	1,624.94	3/4	1,267.44	3/4	920.14	3/4	565.58	3/4	206.21	3/4		3/4		3/4	
8	2,335.90	8	1,976.71	8	1,617.45	8	1,260.02	8	912.98	8	558.09	8	198.73	8		8		8	
1/4	2,328.42	1/4	1,969.23	1/4	1,609.97	1/4	1,252.60	1/4	905.83	1/4	550.60	1/4	191.24	1/4		1/4		1/4	
1/2	2,320.94	1/2	1,961.75	1/2	1,602.48	1/2	1,245.17	1/2	898.67	1/2	543.12	1/2	183.75	1/2		1/2		1/2	
3/4	2,313.45	3/4	1,954.26	3/4	1,595.00	3/4	1,237.75	3/4	891.52	3/4	535.63	3/4	176.27	3/4		3/4		3/4	
9	2,305.97	9	1,946.78	9	1,587.52	9	1,230.35	9	884.34	9	528.14	9	168.78	9		9		9	
1/4	2,298.49	1/4	1,939.29	1/4	1,580.03	1/4	1,222.94	1/4	877.17	1/4	520.66	1/4	161.29	1/4		1/4		1/4	
1/2	2,291.01	1/2	1,931.81	1/2	1,572.55	1/2	1,215.54	1/2	869.99	1/2	513.17	1/2	153.81	1/2		1/2		1/2	
3/4	2,283.52	3/4	1,924.32	3/4	1,565.06	3/4	1,208.13	3/4	862.82	3/4	505.68	3/4	146.32	3/4		3/4		3/4	
10	2,276.04	10	1,916.84	10	1,557.58	10	1,200.72	10	855.64	10	498.20	10	138.83	10		10		10	
1/4	2,268.56	1/4	1,909.35	1/4	1,550.09	1/4	1,193.31	1/4	848.46	1/4	490.71	1/4	131.33	1/4		1/4		1/4	
1/2	2,261.07	1/2	1,901.87	1/2	1,542.61	1/2	1,185.91	1/2	841.28	1/2	483.22	1/2	123.84	1/2		1/2		1/2	
3/4	2,253.59	3/4	1,894.38	3/4	1,535.12	3/4	1,178.50	3/4	834.10	3/4	475.74	3/4	116.35	3/4		3/4		3/4	
11	2,246.11	11	1,886.90	11	1,527.64	11	1,171.10	11	826.87	11	468.25	11	108.94	11		11		11	
1/4	2,238.63	1/4	1,879.41	1/4	1,520.15	1/4	1,163.70	1/4	819.63	1/4	460.76	1/4	101.53	1/4		1/4		1/4	
1/2	2,231.14	1/2	1,871.93	1/2	1,512.67	1/2	1,156.31	1/2	812.39	1/2	453.28	1/2	94.13	1/2		1/2		1/2	
3/4	2,223.66	3/4	1,864.45	3/4	1,505.18	3/4	1,148.91	3/4	805.15	3/4	445.79	3/4	86.72	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 SW
CALCULATED: 03/22/2014 SW
RE PRINTED: 06/12/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Precision Measurement & Analysis, Inc.



FUEL TANK STRAPPINGS

CBC 345 (EX: LONE STAR) AND CBC 346 (EX TEXAS 1836)

Inches	Gallons	Inches	Gallons	Inches	Gallons
1	75	21	1,575.00	41	3,075.00
2	150	22	1,650.00	42	3,150.00
3	225	23	1,725.00	43	3,225.00
4	300	24	1,800.00	44	3,300.00
5	375	25	1,875.00	45	3,375.00
6	450	26	1,950.00	46	3,450.00
7	525	27	2,025.00	47	3,525.00
8	600	28	2,100.00	48	3,600.00
9	675	29	2,175.00	49	3,675.00
10	750	30	2,250.00	50	3,750.00
11	825	31	2,325.00	51	3,825.00
12	900	32	2,400.00	52	3,900.00
13	975	33	2,475.00	53	3,975.00
14	1050	34	2,550.00	54	4,050.00
15	1125	35	2,625.00	55	4,125.00
16	1200	36	2,700.00	56	4,200.00
17	1275	37	2,775.00	57	4,275.00
18	1350	38	2,850.00	58	4,350.00
19	1425	39	2,925.00	59	4,425.00
20	1500	40	3,000.00	60	4,500.00