



BARGE "CBC 346"

ULLAGE TRIM TABLE
(HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-2/8	00-2/8	- 00-3/8	00-3/8
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-2/8	00-2/8	- 00-3/8	00-3/8
3 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/4	- 02-1/4	02-6/8	- 02-6/8	03-3/8	- 03-3/8
3 STBD	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-3/8	- 03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
AFT DRAFT = 5'-00"
DIFF. = 3'-00" (DOWN BY STERN)

THE CORRECTION FOR 3'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/4"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 253'-03"

April 2, 2014

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

<http://www.pmacorp.net>



BARGE "CBC 346"

1 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	5,059.39	0	4,736.30	0	4,397.78	0	4,045.83	0	3,683.87	0	3,321.30	0	2,958.72
1/4		1/4		1/4		1/4	5,052.84	1/4	4,729.41	1/4	4,390.58	1/4	4,038.36	1/4	3,676.31	1/4	3,313.74	1/4	2,951.17
1/2		1/2		1/2		1/2	5,046.29	1/2	4,722.51	1/2	4,383.38	1/2	4,030.88	1/2	3,668.76	1/2	3,306.19	1/2	2,943.62
3/4		3/4		3/4		3/4	5,039.74	3/4	4,715.62	3/4	4,376.18	3/4	4,023.40	3/4	3,661.21	3/4	3,298.63	3/4	2,936.06
1		1		1		1	5,033.16	1	4,708.70	1	4,368.96	1	4,015.90	1	3,653.65	1	3,291.08	1	2,928.51
1/4		1/4		1/4		1/4	5,026.59	1/4	4,701.78	1/4	4,361.74	1/4	4,008.41	1/4	3,646.10	1/4	3,283.53	1/4	2,920.95
1/2		1/2		1/2		1/2	5,020.02	1/2	4,694.85	1/2	4,354.51	1/2	4,000.91	1/2	3,638.55	1/2	3,275.97	1/2	2,913.40
3/4		3/4		3/4		3/4	5,013.44	3/4	4,687.93	3/4	4,347.29	3/4	3,993.41	3/4	3,630.99	3/4	3,268.42	3/4	2,905.85
2		2		2		2	5,006.85	2	4,680.96	2	4,340.05	2	3,985.89	2	3,623.44	2	3,260.87	2	2,898.29
1/4		1/4		1/4		1/4	5,000.25	1/4	4,673.99	1/4	4,332.80	1/4	3,978.36	1/4	3,615.89	1/4	3,253.31	1/4	2,890.74
1/2		1/2		1/2		1/2	4,993.66	1/2	4,667.02	1/2	4,325.55	1/2	3,970.84	1/2	3,608.33	1/2	3,245.76	1/2	2,883.19
3/4		3/4		3/4		3/4	4,987.06	3/4	4,660.05	3/4	4,318.31	3/4	3,963.32	3/4	3,600.78	3/4	3,238.21	3/4	2,875.63
3		3		3		3	4,980.43	3	4,653.06	3	4,311.04	3	3,955.77	3	3,593.23	3	3,230.65	3	2,868.08
1/4		1/4		1/4		1/4	4,973.81	1/4	4,646.06	1/4	4,303.77	1/4	3,948.23	1/4	3,585.67	1/4	3,223.10	1/4	2,860.53
1/2		1/2		1/2		1/2	4,967.18	1/2	4,639.07	1/2	4,296.50	1/2	3,940.68	1/2	3,578.12	1/2	3,215.55	1/2	2,852.97
3/4		3/4		3/4		3/4	4,960.55	3/4	4,632.08	3/4	4,289.23	3/4	3,933.14	3/4	3,570.56	3/4	3,207.99	3/4	2,845.42
4		4		4		4	4,953.84	4	4,625.06	4	4,281.94	4	3,925.58	4	3,563.01	4	3,200.44	4	2,837.87
1/4		1/4		1/4		1/4	4,947.12	1/4	4,618.05	1/4	4,274.65	1/4	3,918.03	1/4	3,555.46	1/4	3,192.88	1/4	2,830.31
1/2		1/2		1/2		1/2	4,940.41	1/2	4,611.03	1/2	4,267.35	1/2	3,910.48	1/2	3,547.90	1/2	3,185.33	1/2	2,822.76
3/4		3/4		3/4		3/4	4,933.70	3/4	4,604.01	3/4	4,260.06	3/4	3,902.92	3/4	3,540.35	3/4	3,177.78	3/4	2,815.20
5		5		5		5	4,926.96	5	4,596.97	5	4,252.75	5	3,895.37	5	3,532.80	5	3,170.22	5	2,807.65
1/4		1/4		1/4		1/4	4,920.22	1/4	4,589.94	1/4	4,245.43	1/4	3,887.82	1/4	3,525.24	1/4	3,162.67	1/4	2,800.10
1/2		1/2		1/2		1/2	4,913.49	1/2	4,582.90	1/2	4,238.12	1/2	3,880.26	1/2	3,517.69	1/2	3,155.12	1/2	2,792.54
3/4		3/4		3/4		3/4	4,906.75	3/4	4,575.86	3/4	4,230.80	3/4	3,872.71	3/4	3,510.14	3/4	3,147.56	3/4	2,784.99
6		6		6		6	4,899.99	6	4,568.79	6	4,223.46	6	3,865.15	6	3,502.58	6	3,140.01	6	2,777.44
1/4		1/4		1/4		1/4	4,893.24	1/4	4,561.73	1/4	4,216.13	1/4	3,857.60	1/4	3,495.03	1/4	3,132.46	1/4	2,769.88
1/2		1/2		1/2		1/2	4,886.48	1/2	4,554.67	1/2	4,208.79	1/2	3,850.05	1/2	3,487.47	1/2	3,124.90	1/2	2,762.33
3/4		3/4		3/4		3/4	5,192.66	3/4	4,879.72	3/4	4,547.61	3/4	4,201.45	3/4	3,842.49	3/4	3,479.92	3/4	3,117.35
7		7		7		7	4,872.94	7	4,540.52	7	4,194.09	7	3,834.94	7	3,472.37	7	3,109.79	7	2,747.22
1/4		1/4		1/4		1/4	5,182.42	1/4	4,866.16	1/4	4,533.44	1/4	4,186.73	1/4	3,827.39	1/4	3,464.81	1/4	3,102.24
1/2		1/2		1/2		1/2	5,177.30	1/2	4,859.38	1/2	4,526.35	1/2	4,179.37	1/2	3,819.83	1/2	3,457.26	1/2	3,094.69
3/4		3/4		3/4		3/4	5,172.19	3/4	4,852.60	3/4	4,519.27	3/4	4,172.00	3/4	3,812.28	3/4	3,449.71	3/4	3,087.13
8		8		8		8	5,165.85	8	4,845.80	8	4,512.16	8	4,164.62	8	3,804.73	8	3,442.15	8	3,079.58
1/4		1/4		1/4		1/4	5,159.52	1/4	4,839.00	1/4	4,505.05	1/4	4,157.24	1/4	3,797.17	1/4	3,434.60	1/4	3,072.03
1/2		1/2		1/2		1/2	5,153.19	1/2	4,832.19	1/2	4,497.94	1/2	4,149.85	1/2	3,789.62	1/2	3,427.05	1/2	3,064.47
3/4		3/4		3/4		3/4	5,146.85	3/4	4,825.39	3/4	4,490.83	3/4	4,142.47	3/4	3,782.07	3/4	3,419.49	3/4	3,056.92
9		9		9		9	5,139.65	9	4,818.56	9	4,483.70	9	4,135.06	9	3,774.51	9	3,411.94	9	3,049.37
1/4		1/4		1/4		1/4	5,132.46	1/4	4,811.74	1/4	4,476.57	1/4	4,127.65	1/4	3,766.96	1/4	3,404.39	1/4	3,041.81
1/2		1/2		1/2		1/2	5,125.26	1/2	4,804.91	1/2	4,469.44	1/2	4,120.25	1/2	3,759.40	1/2	3,396.83	1/2	3,034.26
3/4		3/4		3/4		3/4	5,118.06	3/4	4,798.08	3/4	4,462.31	3/4	4,112.84	3/4	3,751.85	3/4	3,389.28	3/4	3,026.71
10		10		10		10	5,111.56	10	4,791.24	10	4,455.16	10	4,105.41	10	3,744.30	10	3,381.72	10	3,019.15
1/4		1/4		1/4		1/4	5,105.05	1/4	4,784.39	1/4	4,448.00	1/4	4,097.98	1/4	3,736.74	1/4	3,374.17	1/4	3,011.60
1/2		1/2		1/2		1/2	5,098.55	1/2	4,777.54	1/2	4,440.85	1/2	4,090.55	1/2	3,729.19	1/2	3,366.62	1/2	3,004.04
3/4		3/4		3/4		3/4	5,092.04	3/4	4,770.69	3/4	4,433.69	3/4	4,083.12	3/4	3,721.64	3/4	3,359.06	3/4	2,996.49
11		11		11		11	5,085.52	11	4,763.82	11	4,426.52	11	4,075.67	11	3,714.08	11	3,351.51	11	2,988.94
1/4		1/4		1/4		1/4	5,078.99	1/4	4,756.94	1/4	4,419.34	1/4	4,068.21	1/4	3,706.53	1/4	3,343.96	1/4	2,981.38
1/2		1/2		1/2		1/2	5,072.46	1/2	4,750.07	1/2	4,412.16	1/2	4,060.76	1/2	3,698.98	1/2	3,336.40	1/2	2,973.83
3/4		3/4		3/4		3/4	5,065.94	3/4	4,743.20	3/4	4,404.98	3/4	4,053.31	3/4	3,691.42	3/4	3,328.85	3/4	2,966.28

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.

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Pearland, Texas 77588

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BARGE "CBC 346"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,596.14	0	2,233.43	0	1,870.73	0	1,508.02	0	1,145.43	0	783.10	0	420.41	0	80.73	0		0	
1/4	2,588.59	1/4	2,225.88	1/4	1,863.17	1/4	1,500.46	1/4	1,137.88	1/4	775.54	1/4	412.85	1/4	73.96	1/4		1/4	
1/2	2,581.03	1/2	2,218.32	1/2	1,855.61	1/2	1,492.91	1/2	1,130.34	1/2	767.99	1/2	405.30	1/2	67.20	1/2		1/2	
3/4	2,573.47	3/4	2,210.77	3/4	1,848.06	3/4	1,485.35	3/4	1,122.80	3/4	760.43	3/4	397.74	3/4	60.43	3/4		3/4	
1	2,565.92	1	2,203.21	1	1,840.50	1	1,477.79	1	1,115.25	1	752.88	1	390.18	1	54.92	1		1	
1/4	2,558.36	1/4	2,195.65	1/4	1,832.95	1/4	1,470.24	1/4	1,107.71	1/4	745.32	1/4	382.63	1/4	49.41	1/4		1/4	
1/2	2,550.80	1/2	2,188.10	1/2	1,825.39	1/2	1,462.68	1/2	1,100.16	1/2	737.76	1/2	375.07	1/2	43.90	1/2		1/2	
3/4	2,543.25	3/4	2,180.54	3/4	1,817.83	3/4	1,455.13	3/4	1,092.62	3/4	730.21	3/4	367.52	3/4	38.39	3/4		3/4	
2	2,535.69	2	2,172.98	2	1,810.28	2	1,447.57	2	1,085.08	2	722.65	2	359.96	2	34.14	2		2	
1/4	2,528.13	1/4	2,165.43	1/4	1,802.72	1/4	1,440.01	1/4	1,077.53	1/4	715.10	1/4	352.40	1/4	29.89	1/4		1/4	
1/2	2,520.58	1/2	2,157.87	1/2	1,795.16	1/2	1,432.46	1/2	1,069.99	1/2	707.54	1/2	344.85	1/2	25.64	1/2		1/2	
3/4	2,513.02	3/4	2,150.31	3/4	1,787.61	3/4	1,424.90	3/4	1,062.44	3/4	699.98	3/4	337.29	3/4	21.39	3/4		3/4	
3	2,505.46	3	2,142.76	3	1,780.05	3	1,417.34	3	1,054.90	3	692.43	3	329.73	3		3		3	
1/4	2,497.91	1/4	2,135.20	1/4	1,772.49	1/4	1,409.79	1/4	1,047.36	1/4	684.87	1/4	322.18	1/4		1/4		1/4	
1/2	2,490.35	1/2	2,127.64	1/2	1,764.94	1/2	1,402.23	1/2	1,039.81	1/2	677.32	1/2	314.62	1/2		1/2		1/2	
3/4	2,482.80	3/4	2,120.09	3/4	1,757.38	3/4	1,394.67	3/4	1,032.27	3/4	669.76	3/4	308.44	3/4		3/4		3/4	
4	2,475.24	4	2,112.53	4	1,749.82	4	1,387.12	4	1,024.72	4	662.20	4	303.62	4		4		4	
1/4	2,467.68	1/4	2,104.98	1/4	1,742.27	1/4	1,379.56	1/4	1,017.18	1/4	654.65	1/4	298.80	1/4		1/4		1/4	
1/2	2,460.13	1/2	2,097.42	1/2	1,734.71	1/2	1,372.00	1/2	1,009.63	1/2	647.09	1/2	293.99	1/2		1/2		1/2	
3/4	2,452.57	3/4	2,089.86	3/4	1,727.16	3/4	1,364.45	3/4	1,002.09	3/4	639.53	3/4	289.17	3/4		3/4		3/4	
5	2,445.01	5	2,082.31	5	1,719.60	5	1,356.89	5	994.55	5	631.98	5	284.35	5		5		5	
1/4	2,437.46	1/4	2,074.75	1/4	1,712.04	1/4	1,349.34	1/4	987.00	1/4	624.42	1/4	279.54	1/4		1/4		1/4	
1/2	2,429.90	1/2	2,067.19	1/2	1,704.49	1/2	1,341.78	1/2	979.46	1/2	616.87	1/2	274.72	1/2		1/2		1/2	
3/4	2,422.34	3/4	2,059.64	3/4	1,696.93	3/4	1,334.22	3/4	971.91	3/4	609.31	3/4	268.53	3/4		3/4		3/4	
6	2,414.79	6	2,052.08	6	1,689.37	6	1,326.67	6	964.37	6	601.75	6	260.98	6		6		6	
1/4	2,407.23	1/4	2,044.52	1/4	1,681.82	1/4	1,319.11	1/4	956.83	1/4	594.20	1/4	253.42	1/4		1/4		1/4	
1/2	2,399.68	1/2	2,036.97	1/2	1,674.26	1/2	1,311.55	1/2	949.28	1/2	586.64	1/2	245.87	1/2		1/2		1/2	
3/4	2,392.12	3/4	2,029.41	3/4	1,666.70	3/4	1,304.00	3/4	941.74	3/4	579.09	3/4	238.31	3/4		3/4		3/4	
7	2,384.56	7	2,021.86	7	1,659.15	7	1,296.44	7	934.19	7	571.53	7	230.75	7		7		7	
1/4	2,377.01	1/4	2,014.30	1/4	1,651.59	1/4	1,288.88	1/4	926.65	1/4	563.97	1/4	223.20	1/4		1/4		1/4	
1/2	2,369.45	1/2	2,006.74	1/2	1,644.04	1/2	1,281.33	1/2	919.10	1/2	556.42	1/2	215.64	1/2		1/2		1/2	
3/4	2,361.89	3/4	1,999.19	3/4	1,636.48	3/4	1,273.77	3/4	911.55	3/4	548.86	3/4	208.09	3/4		3/4		3/4	
8	2,354.34	8	1,991.63	8	1,628.92	8	1,266.22	8	904.00	8	541.31	8	200.53	8		8		8	
1/4	2,346.78	1/4	1,984.07	1/4	1,621.37	1/4	1,258.66	1/4	896.44	1/4	533.75	1/4	192.97	1/4		1/4		1/4	
1/2	2,339.22	1/2	1,976.52	1/2	1,613.81	1/2	1,251.10	1/2	888.89	1/2	526.19	1/2	185.42	1/2		1/2		1/2	
3/4	2,331.67	3/4	1,968.96	3/4	1,606.25	3/4	1,243.55	3/4	881.33	3/4	518.64	3/4	177.86	3/4		3/4		3/4	
9	2,324.11	9	1,961.40	9	1,598.70	9	1,235.99	9	873.77	9	511.08	9	170.30	9		9		9	
1/4	2,316.55	1/4	1,953.85	1/4	1,591.14	1/4	1,228.44	1/4	866.22	1/4	503.52	1/4	162.75	1/4		1/4		1/4	
1/2	2,309.00	1/2	1,946.29	1/2	1,583.58	1/2	1,220.88	1/2	858.66	1/2	495.97	1/2	155.19	1/2		1/2		1/2	
3/4	2,301.44	3/4	1,938.73	3/4	1,576.03	3/4	1,213.33	3/4	851.11	3/4	488.41	3/4	147.64	3/4		3/4		3/4	
10	2,293.89	10	1,931.18	10	1,568.47	10	1,205.78	10	843.55	10	480.86	10	140.08	10		10		10	
1/4	2,286.33	1/4	1,923.62	1/4	1,560.91	1/4	1,198.24	1/4	835.99	1/4	473.30	1/4	132.52	1/4		1/4		1/4	
1/2	2,278.77	1/2	1,916.07	1/2	1,553.36	1/2	1,190.69	1/2	828.44	1/2	465.74	1/2	124.97	1/2		1/2		1/2	
3/4	2,271.22	3/4	1,908.51	3/4	1,545.80	3/4	1,183.15	3/4	820.88	3/4	458.19	3/4	117.41	3/4		3/4		3/4	
11	2,263.66	11	1,900.95	11	1,538.25	11	1,175.61	11	813.33	11	450.63	11	109.93	11		11		11	
1/4	2,256.10	1/4	1,893.40	1/4	1,530.69	1/4	1,168.06	1/4	805.77	1/4	443.08	1/4	102.46	1/4		1/4		1/4	
1/2	2,248.55	1/2	1,885.84	1/2	1,523.13	1/2	1,160.52	1/2	798.21	1/2	435.52	1/2	94.98	1/2		1/2		1/2	
3/4	2,240.99	3/4	1,878.28	3/4	1,515.58	3/4	1,152.97	3/4	790.66	3/4	427.96	3/4	87.50	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/02/2014 SW
CALCULATED: 04/16/2014 CL
RE PRINTED: 08/21/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 346"

1 STBD

ULLAGE TABLE

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	5,064.10	0	4,741.33	0	4,403.10	0	4,051.41	0	3,689.54	0	3,326.96	0	2,964.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,057.55	1/4	4,734.44	1/4	4,395.90	1/4	4,043.94	1/4	3,681.99	1/4	3,319.41	1/4	2,956.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,051.00	1/2	4,727.54	1/2	4,388.70	1/2	4,036.46	1/2	3,674.43	1/2	3,311.85	1/2	2,949.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,044.45	3/4	4,720.65	3/4	4,381.50	3/4	4,028.98	3/4	3,666.88	3/4	3,304.30	3/4	2,941.72
1	1	1	1	1	1	1	5,037.90	1	4,713.75	1	4,374.30	1	4,021.51	1	3,659.32	1	3,296.75	1	2,934.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,031.33	1/4	4,706.83	1/4	4,367.07	1/4	4,014.01	1/4	3,651.77	1/4	3,289.19	1/4	2,926.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,024.75	1/2	4,699.91	1/2	4,359.85	1/2	4,006.51	1/2	3,644.22	1/2	3,281.64	1/2	2,919.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,018.18	3/4	4,692.98	3/4	4,352.63	3/4	3,999.01	3/4	3,636.66	3/4	3,274.09	3/4	2,911.51
2	2	2	2	2	2	2	5,011.61	2	4,686.06	2	4,345.40	2	3,991.51	2	3,629.11	2	3,266.53	2	2,903.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,005.01	1/4	4,679.09	1/4	4,338.16	1/4	3,983.99	1/4	3,621.56	1/4	3,258.98	1/4	2,896.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,998.41	1/2	4,672.12	1/2	4,330.91	1/2	3,976.47	1/2	3,614.00	1/2	3,251.42	1/2	2,888.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,991.82	3/4	4,665.15	3/4	4,323.66	3/4	3,968.95	3/4	3,606.45	3/4	3,243.87	3/4	2,881.29
3	3	3	3	3	3	3	4,985.22	3	4,658.18	3	4,316.42	3	3,961.42	3	3,598.89	3	3,236.32	3	2,873.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,978.59	1/4	4,651.19	1/4	4,309.15	1/4	3,953.88	1/4	3,591.34	1/4	3,228.76	1/4	2,866.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,971.96	1/2	4,644.19	1/2	4,301.88	1/2	3,946.34	1/2	3,583.79	1/2	3,221.21	1/2	2,858.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,965.33	3/4	4,637.20	3/4	4,294.61	3/4	3,938.80	3/4	3,576.23	3/4	3,213.66	3/4	2,851.08
4	4	4	4	4	4	4	4,958.70	4	4,630.20	4	4,287.34	4	3,931.26	4	3,568.68	4	3,206.10	4	2,843.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,951.99	1/4	4,623.19	1/4	4,280.05	1/4	3,923.70	1/4	3,561.13	1/4	3,198.55	1/4	2,835.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,945.28	1/2	4,616.17	1/2	4,272.76	1/2	3,916.15	1/2	3,553.57	1/2	3,190.99	1/2	2,828.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,938.56	3/4	4,609.15	3/4	4,265.46	3/4	3,908.60	3/4	3,546.02	3/4	3,183.44	3/4	2,820.86
5	5	5	5	5	5	5	4,931.85	5	4,602.14	5	4,258.17	5	3,901.04	5	3,538.46	5	3,175.89	5	2,813.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,925.11	1/4	4,595.10	1/4	4,250.86	1/4	3,893.49	1/4	3,530.91	1/4	3,168.33	1/4	2,805.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,918.37	1/2	4,588.06	1/2	4,243.54	1/2	3,885.94	1/2	3,523.36	1/2	3,160.78	1/2	2,798.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,911.64	3/4	4,581.02	3/4	4,236.22	3/4	3,878.38	3/4	3,515.80	3/4	3,153.23	3/4	2,790.65
6	6	6	6	6	6	6	4,904.90	6	4,573.98	6	4,228.91	6	3,870.83	6	3,508.25	6	3,145.67	6	2,783.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,898.14	1/4	4,566.92	1/4	4,221.57	1/4	3,863.27	1/4	3,500.70	1/4	3,138.12	1/4	2,775.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,891.38	1/2	4,559.85	1/2	4,214.23	1/2	3,855.72	1/2	3,493.14	1/2	3,130.57	1/2	2,767.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,884.63	3/4	4,552.79	3/4	4,206.89	3/4	3,848.17	3/4	3,485.59	3/4	3,123.01	3/4	2,760.43
7	7	7	7	7	7	7	5,190.83	7	4,877.87	7	4,545.73	7	4,199.56	7	3,840.61	7	3,478.04	7	3,115.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,185.71	1/4	4,871.09	1/4	4,538.64	1/4	4,192.19	1/4	3,833.06	1/4	3,470.48	1/4	3,107.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,180.59	1/2	4,864.31	1/2	4,531.56	1/2	4,184.83	1/2	3,825.51	1/2	3,462.93	1/2	3,100.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,175.47	3/4	4,857.53	3/4	4,524.47	3/4	4,177.47	3/4	3,817.95	3/4	3,455.37	3/4	3,092.80
8	8	8	8	8	8	8	5,170.36	8	4,850.75	8	4,517.39	8	4,170.11	8	3,810.40	8	3,447.82	8	3,085.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,164.02	1/4	4,843.94	1/4	4,510.28	1/4	4,162.73	1/4	3,802.84	1/4	3,440.27	1/4	3,077.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,157.69	1/2	4,837.14	1/2	4,503.17	1/2	4,155.34	1/2	3,795.29	1/2	3,432.71	1/2	3,070.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,151.36	3/4	4,830.33	3/4	4,496.06	3/4	4,147.96	3/4	3,787.74	3/4	3,425.16	3/4	3,062.58
9	9	9	9	9	9	9	5,145.02	9	4,823.53	9	4,488.95	9	4,140.57	9	3,780.18	9	3,417.61	9	3,055.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,137.83	1/4	4,816.70	1/4	4,481.82	1/4	4,133.17	1/4	3,772.63	1/4	3,410.05	1/4	3,047.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,130.63	1/2	4,809.88	1/2	4,474.69	1/2	4,125.76	1/2	3,765.08	1/2	3,402.50	1/2	3,039.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,123.43	3/4	4,803.05	3/4	4,467.56	3/4	4,118.35	3/4	3,757.52	3/4	3,394.94	3/4	3,032.37
10	10	10	10	10	10	10	5,116.23	10	4,796.22	10	4,460.43	10	4,110.95	10	3,749.97	10	3,387.39	10	3,024.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,109.73	1/4	4,789.37	1/4	4,453.27	1/4	4,103.52	1/4	3,742.41	1/4	3,379.84	1/4	3,017.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,103.23	1/2	4,782.52	1/2	4,446.12	1/2	4,096.08	1/2	3,734.86	1/2	3,372.28	1/2	3,009.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,096.72	3/4	4,775.67	3/4	4,438.96	3/4	4,088.65	3/4	3,727.31	3/4	3,364.73	3/4	3,002.15
11	11	11	11	11	11	11	5,090.22	11	4,768.82	11	4,431.81	11	4,081.22	11	3,719.75	11	3,357.18	11	2,994.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,083.69	1/4	4,761.95	1/4	4,424.63	1/4	4,073.77	1/4	3,712.20	1/4	3,349.62	1/4	2,987.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,077.16	1/2	4,755.08	1/2	4,417.45	1/2	4,066.32	1/2	3,704.65	1/2	3,342.07	1/2	2,979.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,070.63	3/4	4,748.21	3/4	4,410.28	3/4	4,058.87	3/4	3,697.09	3/4	3,334.51	3/4	2,971.94

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 346"

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	2,601.80	0	2,239.09	0	1,876.39	0	1,513.68	0	1,151.57	0	790.65	0	427.96	0	87.50	0		0	
1/4	2,594.24	1/4	2,231.54	1/4	1,868.83	1/4	1,506.12	1/4	1,144.07	1/4	783.10	1/4	420.40	1/4	80.73	1/4		1/4	
1/2	2,586.69	1/2	2,223.98	1/2	1,861.27	1/2	1,498.57	1/2	1,136.56	1/2	775.54	1/2	412.85	1/2	73.96	1/2		1/2	
3/4	2,579.13	3/4	2,216.42	3/4	1,853.72	3/4	1,491.01	3/4	1,129.06	3/4	767.98	3/4	405.29	3/4	67.19	3/4		3/4	
1	2,571.57	1	2,208.87	1	1,846.16	1	1,483.45	1	1,121.55	1	760.43	1	397.73	1	60.42	1		1	
1/4	2,564.02	1/4	2,201.31	1/4	1,838.60	1/4	1,475.90	1/4	1,114.05	1/4	752.87	1/4	390.18	1/4	54.91	1/4		1/4	
1/2	2,556.46	1/2	2,193.75	1/2	1,831.05	1/2	1,468.34	1/2	1,106.54	1/2	745.32	1/2	382.62	1/2	49.40	1/2		1/2	
3/4	2,548.91	3/4	2,186.20	3/4	1,823.49	3/4	1,460.78	3/4	1,099.04	3/4	737.76	3/4	375.07	3/4	43.90	3/4		3/4	
2	2,541.35	2	2,178.64	2	1,815.93	2	1,453.23	2	1,091.53	2	730.20	2	367.51	2	38.39	2		2	
1/4	2,533.79	1/4	2,171.09	1/4	1,808.38	1/4	1,445.67	1/4	1,084.03	1/4	722.65	1/4	359.95	1/4	34.14	1/4		1/4	
1/2	2,526.24	1/2	2,163.53	1/2	1,800.82	1/2	1,438.11	1/2	1,076.52	1/2	715.09	1/2	352.40	1/2	29.89	1/2		1/2	
3/4	2,518.68	3/4	2,155.97	3/4	1,793.27	3/4	1,430.56	3/4	1,069.02	3/4	707.53	3/4	344.84	3/4	25.64	3/4		3/4	
3	2,511.12	3	2,148.42	3	1,785.71	3	1,423.00	3	1,061.51	3	699.98	3	337.29	3	21.39	3		3	
1/4	2,503.57	1/4	2,140.86	1/4	1,778.15	1/4	1,415.45	1/4	1,054.01	1/4	692.42	1/4	329.73	1/4		1/4		1/4	
1/2	2,496.01	1/2	2,133.30	1/2	1,770.60	1/2	1,407.89	1/2	1,046.50	1/2	684.87	1/2	322.17	1/2		1/2		1/2	
3/4	2,488.45	3/4	2,125.75	3/4	1,763.04	3/4	1,400.33	3/4	1,039.00	3/4	677.31	3/4	314.62	3/4		3/4		3/4	
4	2,480.90	4	2,118.19	4	1,755.48	4	1,392.78	4	1,031.49	4	669.75	4	308.43	4		4		4	
1/4	2,473.34	1/4	2,110.63	1/4	1,747.93	1/4	1,385.22	1/4	1,023.99	1/4	662.20	1/4	303.61	1/4		1/4		1/4	
1/2	2,465.79	1/2	2,103.08	1/2	1,740.37	1/2	1,377.66	1/2	1,016.49	1/2	654.64	1/2	298.80	1/2		1/2		1/2	
3/4	2,458.23	3/4	2,095.52	3/4	1,732.81	3/4	1,370.11	3/4	1,008.98	3/4	647.09	3/4	293.98	3/4		3/4		3/4	
5	2,450.67	5	2,087.97	5	1,725.26	5	1,362.55	5	1,001.48	5	639.53	5	289.17	5		5		5	
1/4	2,443.12	1/4	2,080.41	1/4	1,717.70	1/4	1,354.99	1/4	993.97	1/4	631.97	1/4	284.35	1/4		1/4		1/4	
1/2	2,435.56	1/2	2,072.85	1/2	1,710.15	1/2	1,347.44	1/2	986.47	1/2	624.42	1/2	279.53	1/2		1/2		1/2	
3/4	2,428.00	3/4	2,065.30	3/4	1,702.59	3/4	1,339.88	3/4	978.96	3/4	616.86	3/4	274.72	3/4		3/4		3/4	
6	2,420.45	6	2,057.74	6	1,695.03	6	1,332.33	6	971.46	6	609.31	6	268.53	6		6		6	
1/4	2,412.89	1/4	2,050.18	1/4	1,687.48	1/4	1,324.77	1/4	963.95	1/4	601.75	1/4	260.97	1/4		1/4		1/4	
1/2	2,405.33	1/2	2,042.63	1/2	1,679.92	1/2	1,317.21	1/2	956.45	1/2	594.19	1/2	253.42	1/2		1/2		1/2	
3/4	2,397.78	3/4	2,035.07	3/4	1,672.36	3/4	1,309.66	3/4	948.94	3/4	586.64	3/4	245.86	3/4		3/4		3/4	
7	2,390.22	7	2,027.51	7	1,664.81	7	1,302.10	7	941.44	7	579.08	7	238.30	7		7		7	
1/4	2,382.66	1/4	2,019.96	1/4	1,657.25	1/4	1,294.54	1/4	933.93	1/4	571.52	1/4	230.75	1/4		1/4		1/4	
1/2	2,375.11	1/2	2,012.40	1/2	1,649.69	1/2	1,286.99	1/2	926.43	1/2	563.97	1/2	223.19	1/2		1/2		1/2	
3/4	2,367.55	3/4	2,004.84	3/4	1,642.14	3/4	1,279.43	3/4	918.92	3/4	556.41	3/4	215.64	3/4		3/4		3/4	
8	2,360.00	8	1,997.29	8	1,634.58	8	1,271.87	8	911.41	8	548.86	8	208.08	8		8		8	
1/4	2,352.44	1/4	1,989.73	1/4	1,627.02	1/4	1,264.32	1/4	903.89	1/4	541.30	1/4	200.52	1/4		1/4		1/4	
1/2	2,344.88	1/2	1,982.18	1/2	1,619.47	1/2	1,256.77	1/2	896.37	1/2	533.74	1/2	192.97	1/2		1/2		1/2	
3/4	2,337.33	3/4	1,974.62	3/4	1,611.91	3/4	1,249.22	3/4	888.85	3/4	526.19	3/4	185.41	3/4		3/4		3/4	
9	2,329.77	9	1,967.06	9	1,604.36	9	1,241.67	9	881.32	9	518.63	9	177.86	9		9		9	
1/4	2,322.21	1/4	1,959.51	1/4	1,596.80	1/4	1,234.15	1/4	873.77	1/4	511.08	1/4	170.30	1/4		1/4		1/4	
1/2	2,314.66	1/2	1,951.95	1/2	1,589.24	1/2	1,226.64	1/2	866.21	1/2	503.52	1/2	162.74	1/2		1/2		1/2	
3/4	2,307.10	3/4	1,944.39	3/4	1,581.69	3/4	1,219.12	3/4	858.66	3/4	495.96	3/4	155.19	3/4		3/4		3/4	
10	2,299.54	10	1,936.84	10	1,574.13	10	1,211.61	10	851.10	10	488.41	10	147.63	10		10		10	
1/4	2,291.99	1/4	1,929.28	1/4	1,566.57	1/4	1,204.10	1/4	843.54	1/4	480.85	1/4	140.08	1/4		1/4		1/4	
1/2	2,284.43	1/2	1,921.72	1/2	1,559.02	1/2	1,196.60	1/2	835.99	1/2	473.30	1/2	132.52	1/2		1/2		1/2	
3/4	2,276.88	3/4	1,914.17	3/4	1,551.46	3/4	1,189.09	3/4	828.43	3/4	465.74	3/4	124.96	3/4		3/4		3/4	
11	2,269.32	11	1,906.61	11	1,543.90	11	1,181.59	11	820.88	11	458.18	11	117.41	11		11		11	
1/4	2,261.76	1/4	1,899.06	1/4	1,536.35	1/4	1,174.08	1/4	813.32	1/4	450.63	1/4	109.93	1/4		1/4		1/4	
1/2	2,254.21	1/2	1,891.50	1/2	1,528.79	1/2	1,166.58	1/2	805.76	1/2	443.07	1/2	102.45	1/2		1/2		1/2	
3/4	2,246.65	3/4	1,883.94	3/4	1,521.24	3/4	1,159.07	3/4	798.21	3/4	435.51	3/4	94.98	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/02/2014 SW
CALCULATED: 04/16/2014 CL
RE PRINTED: 08/21/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

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



BARGE "CBC 346"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,032.60	0	4,710.54	0	4,373.10	0	4,022.29	0	3,661.69	0	3,300.55	0	2,939.41
1/4		1/4		1/4		1/4	5,026.08	1/4	4,703.67	1/4	4,365.93	1/4	4,014.84	1/4	3,654.17	1/4	3,293.03	1/4	2,931.88
1/2		1/2		1/2		1/2	5,019.56	1/2	4,696.80	1/2	4,358.76	1/2	4,007.39	1/2	3,646.64	1/2	3,285.50	1/2	2,924.36
3/4		3/4		3/4		3/4	5,013.02	3/4	4,689.91	3/4	4,351.56	3/4	3,999.93	3/4	3,639.12	3/4	3,277.98	3/4	2,916.84
1		1		1		1	5,006.47	1	4,683.02	1	4,344.37	1	3,992.46	1	3,631.60	1	3,270.45	1	2,909.31
1/4		1/4		1/4		1/4	4,999.93	1/4	4,676.12	1/4	4,337.18	1/4	3,984.99	1/4	3,624.07	1/4	3,262.93	1/4	2,901.79
1/2		1/2		1/2		1/2	4,993.38	1/2	4,669.23	1/2	4,329.98	1/2	3,977.52	1/2	3,616.55	1/2	3,255.41	1/2	2,894.26
3/4		3/4		3/4		3/4	4,986.81	3/4	4,662.29	3/4	4,322.77	3/4	3,970.03	3/4	3,609.03	3/4	3,247.88	3/4	2,886.74
2		2		2		2	4,980.24	2	4,655.35	2	4,315.55	2	3,962.53	2	3,601.50	2	3,240.36	2	2,879.22
1/4		1/4		1/4		1/4	4,973.68	1/4	4,648.41	1/4	4,308.33	1/4	3,955.04	1/4	3,593.98	1/4	3,232.84	1/4	2,871.69
1/2		1/2		1/2		1/2	4,967.11	1/2	4,641.47	1/2	4,301.12	1/2	3,947.55	1/2	3,586.45	1/2	3,225.31	1/2	2,864.17
3/4		3/4		3/4		3/4	4,960.51	3/4	4,634.50	3/4	4,293.88	3/4	3,940.04	3/4	3,578.93	3/4	3,217.79	3/4	2,856.65
3		3		3		3	4,953.91	3	4,627.54	3	4,286.64	3	3,932.53	3	3,571.41	3	3,210.26	3	2,849.12
1/4		1/4		1/4		1/4	4,947.31	1/4	4,620.57	1/4	4,279.40	1/4	3,925.01	1/4	3,563.88	1/4	3,202.74	1/4	2,841.60
1/2		1/2		1/2		1/2	4,940.71	1/2	4,613.61	1/2	4,272.16	1/2	3,917.50	1/2	3,556.36	1/2	3,195.22	1/2	2,834.07
3/4		3/4		3/4		3/4	4,934.02	3/4	4,606.62	3/4	4,264.89	3/4	3,909.98	3/4	3,548.84	3/4	3,187.69	3/4	2,826.55
4		4		4		4	4,927.34	4	4,599.63	4	4,257.63	4	3,902.45	4	3,541.31	4	3,180.17	4	2,819.03
1/4		1/4		1/4		1/4	4,920.65	1/4	4,592.65	1/4	4,250.37	1/4	3,894.93	1/4	3,533.79	1/4	3,172.65	1/4	2,811.50
1/2		1/2		1/2		1/2	4,913.97	1/2	4,585.66	1/2	4,243.11	1/2	3,887.41	1/2	3,526.26	1/2	3,165.12	1/2	2,803.98
3/4		3/4		3/4		3/4	4,907.26	3/4	4,578.65	3/4	4,235.82	3/4	3,879.88	3/4	3,518.74	3/4	3,157.60	3/4	2,796.46
5		5		5		5	4,900.55	5	4,571.64	5	4,228.53	5	3,872.36	5	3,511.22	5	3,150.07	5	2,788.93
1/4		1/4		1/4		1/4	4,893.84	1/4	4,564.63	1/4	4,221.25	1/4	3,864.84	1/4	3,503.69	1/4	3,142.55	1/4	2,781.41
1/2		1/2		1/2		1/2	4,887.14	1/2	4,557.62	1/2	4,213.96	1/2	3,857.31	1/2	3,496.17	1/2	3,135.03	1/2	2,773.88
3/4		3/4		3/4		3/4	4,880.41	3/4	4,550.58	3/4	4,206.65	3/4	3,849.79	3/4	3,488.65	3/4	3,127.50	3/4	2,766.36
6		6		6		6	4,873.68	6	4,543.55	6	4,199.35	6	3,842.26	6	3,481.12	6	3,119.98	6	2,758.84
1/4		1/4		1/4		1/4	4,866.95	1/4	4,536.52	1/4	4,192.04	1/4	3,834.74	1/4	3,473.60	1/4	3,112.46	1/4	2,751.31
1/2		1/2		1/2	5,171.85	1/2	4,860.22	1/2	4,529.48	1/2	4,184.73	1/2	3,827.22	1/2	3,466.07	1/2	3,104.93	1/2	2,743.79
3/4		3/4		3/4	5,166.75	3/4	4,853.47	3/4	4,522.43	3/4	4,177.40	3/4	3,819.69	3/4	3,458.55	3/4	3,097.41	3/4	2,736.27
7		7		7	5,161.65	7	4,846.72	7	4,515.37	7	4,170.07	7	3,812.17	7	3,451.03	7	3,089.88	7	2,728.74
1/4		1/4		1/4	5,156.56	1/4	4,839.97	1/4	4,508.32	1/4	4,162.73	1/4	3,804.64	1/4	3,443.50	1/4	3,082.36	1/4	2,721.22
1/2		1/2		1/2	5,151.46	1/2	4,833.22	1/2	4,501.26	1/2	4,155.40	1/2	3,797.12	1/2	3,435.98	1/2	3,074.84	1/2	2,713.69
3/4		3/4		3/4	5,145.15	3/4	4,826.44	3/4	4,494.18	3/4	4,148.05	3/4	3,789.60	3/4	3,428.45	3/4	3,067.31	3/4	2,706.17
8		8		8	5,138.84	8	4,819.67	8	4,487.10	8	4,140.69	8	3,782.07	8	3,420.93	8	3,059.79	8	2,698.65
1/4		1/4		1/4	5,132.53	1/4	4,812.89	1/4	4,480.02	1/4	4,133.34	1/4	3,774.55	1/4	3,413.41	1/4	3,052.26	1/4	2,691.12
1/2		1/2		1/2	5,126.23	1/2	4,806.12	1/2	4,472.94	1/2	4,125.98	1/2	3,767.03	1/2	3,405.88	1/2	3,044.74	1/2	2,683.60
3/4		3/4		3/4	5,119.06	3/4	4,799.32	3/4	4,465.84	3/4	4,118.61	3/4	3,759.50	3/4	3,398.36	3/4	3,037.22	3/4	2,676.07
9		9		9	5,111.89	9	4,792.52	9	4,458.74	9	4,111.23	9	3,751.98	9	3,390.84	9	3,029.69	9	2,668.55
1/4		1/4		1/4	5,104.72	1/4	4,785.72	1/4	4,451.64	1/4	4,103.85	1/4	3,744.45	1/4	3,383.31	1/4	3,022.17	1/4	2,661.03
1/2		1/2		1/2	5,097.55	1/2	4,778.93	1/2	4,444.53	1/2	4,096.47	1/2	3,736.93	1/2	3,375.79	1/2	3,014.65	1/2	2,653.50
3/4		3/4		3/4	5,091.07	3/4	4,772.11	3/4	4,437.41	3/4	4,089.07	3/4	3,729.41	3/4	3,368.26	3/4	3,007.12	3/4	2,645.98
10		10		10	5,084.60	10	4,765.28	10	4,430.28	10	4,081.67	10	3,721.88	10	3,360.74	10	2,999.60	10	2,638.46
1/4		1/4		1/4	5,078.12	1/4	4,758.46	1/4	4,423.16	1/4	4,074.27	1/4	3,714.36	1/4	3,353.22	1/4	2,992.07	1/4	2,630.93
1/2		1/2		1/2	5,071.64	1/2	4,751.64	1/2	4,416.03	1/2	4,066.87	1/2	3,706.84	1/2	3,345.69	1/2	2,984.55	1/2	2,623.41
3/4		3/4		3/4	5,065.15	3/4	4,744.80	3/4	4,408.89	3/4	4,059.45	3/4	3,699.31	3/4	3,338.17	3/4	2,977.03	3/4	2,615.89
11		11		11	5,058.65	11	4,737.96	11	4,401.74	11	4,052.03	11	3,691.79	11	3,330.65	11	2,969.50	11	2,608.37
1/4		1/4		1/4	5,052.15	1/4	4,731.11	1/4	4,394.59	1/4	4,044.60	1/4	3,684.26	1/4	3,323.12	1/4	2,961.98	1/4	2,600.85
1/2		1/2		1/2	5,045.65	1/2	4,724.27	1/2	4,387.44	1/2	4,037.18	1/2	3,676.74	1/2	3,315.60	1/2	2,954.46	1/2	2,593.32
3/4		3/4		3/4	5,039.13	3/4	4,717.40	3/4	4,380.27	3/4	4,029.73	3/4	3,669.22	3/4	3,308.07	3/4	2,946.93	3/4	2,585.80

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 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>



BARGE "CBC 346"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,578.27	0	2,216.99	0	1,855.72	0	1,494.44	0	1,133.30	0	772.39	0	411.13	0	73.67	0		0	
1/4	2,570.75	1/4	2,209.47	1/4	1,848.19	1/4	1,486.91	1/4	1,125.78	1/4	764.87	1/4	403.60	1/4	66.93	1/4		1/4	
1/2	2,563.22	1/2	2,201.94	1/2	1,840.66	1/2	1,479.39	1/2	1,118.27	1/2	757.34	1/2	396.08	1/2	60.19	1/2		1/2	
3/4	2,555.69	3/4	2,194.42	3/4	1,833.14	3/4	1,471.86	3/4	1,110.75	3/4	749.81	3/4	388.55	3/4	54.70	3/4		3/4	
1	2,548.17	1	2,186.89	1	1,825.61	1	1,464.33	1	1,103.24	1	742.29	1	381.03	1	49.21	1		1	
1/4	2,540.64	1/4	2,179.36	1/4	1,818.09	1/4	1,456.81	1/4	1,095.72	1/4	734.76	1/4	373.50	1/4	43.72	1/4		1/4	
1/2	2,533.11	1/2	2,171.84	1/2	1,810.56	1/2	1,449.28	1/2	1,088.21	1/2	727.24	1/2	365.97	1/2	38.24	1/2		1/2	
3/4	2,525.59	3/4	2,164.31	3/4	1,803.03	3/4	1,441.76	3/4	1,080.69	3/4	719.71	3/4	358.45	3/4	34.00	3/4		3/4	
2	2,518.06	2	2,156.78	2	1,795.51	2	1,434.23	2	1,073.18	2	712.18	2	350.92	2	29.77	2		2	
1/4	2,510.53	1/4	2,149.26	1/4	1,787.98	1/4	1,426.70	1/4	1,065.67	1/4	704.66	1/4	343.39	1/4	25.54	1/4		1/4	
1/2	2,503.01	1/2	2,141.73	1/2	1,780.45	1/2	1,419.18	1/2	1,058.15	1/2	697.13	1/2	335.87	1/2	21.31	1/2		1/2	
3/4	2,495.48	3/4	2,134.20	3/4	1,772.93	3/4	1,411.65	3/4	1,050.64	3/4	689.60	3/4	328.34	3/4		3/4		3/4	
3	2,487.95	3	2,126.68	3	1,765.40	3	1,404.12	3	1,043.12	3	682.08	3	320.82	3		3		3	
1/4	2,480.43	1/4	2,119.15	1/4	1,757.87	1/4	1,396.60	1/4	1,035.61	1/4	674.55	1/4	313.29	1/4		1/4		1/4	
1/2	2,472.90	1/2	2,111.62	1/2	1,750.35	1/2	1,389.07	1/2	1,028.09	1/2	667.02	1/2	307.13	1/2		1/2		1/2	
3/4	2,465.37	3/4	2,104.10	3/4	1,742.82	3/4	1,381.54	3/4	1,020.58	3/4	659.50	3/4	302.35	3/4		3/4		3/4	
4	2,457.85	4	2,096.57	4	1,735.29	4	1,374.02	4	1,013.07	4	651.97	4	297.56	4		4		4	
1/4	2,450.32	1/4	2,089.04	1/4	1,727.77	1/4	1,366.49	1/4	1,005.55	1/4	644.45	1/4	292.77	1/4		1/4		1/4	
1/2	2,442.79	1/2	2,081.52	1/2	1,720.24	1/2	1,358.96	1/2	998.04	1/2	636.92	1/2	287.99	1/2		1/2		1/2	
3/4	2,435.27	3/4	2,073.99	3/4	1,712.71	3/4	1,351.44	3/4	990.52	3/4	629.39	3/4	283.20	3/4		3/4		3/4	
5	2,427.74	5	2,066.46	5	1,705.19	5	1,343.91	5	983.01	5	621.87	5	278.41	5		5		5	
1/4	2,420.21	1/4	2,058.94	1/4	1,697.66	1/4	1,336.38	1/4	975.49	1/4	614.34	1/4	273.63	1/4		1/4		1/4	
1/2	2,412.69	1/2	2,051.41	1/2	1,690.13	1/2	1,328.86	1/2	967.98	1/2	606.81	1/2	267.47	1/2		1/2		1/2	
3/4	2,405.16	3/4	2,043.88	3/4	1,682.61	3/4	1,321.33	3/4	960.47	3/4	599.29	3/4	259.94	3/4		3/4		3/4	
6	2,397.63	6	2,036.36	6	1,675.08	6	1,313.80	6	952.95	6	591.76	6	252.42	6		6		6	
1/4	2,390.11	1/4	2,028.83	1/4	1,667.55	1/4	1,306.28	1/4	945.44	1/4	584.24	1/4	244.89	1/4		1/4		1/4	
1/2	2,382.58	1/2	2,021.30	1/2	1,660.03	1/2	1,298.75	1/2	937.92	1/2	576.71	1/2	237.36	1/2		1/2		1/2	
3/4	2,375.05	3/4	2,013.78	3/4	1,652.50	3/4	1,291.22	3/4	930.41	3/4	569.18	3/4	229.84	3/4		3/4		3/4	
7	2,367.53	7	2,006.25	7	1,644.97	7	1,283.70	7	922.89	7	561.66	7	222.31	7		7		7	
1/4	2,360.00	1/4	1,998.72	1/4	1,637.45	1/4	1,276.17	1/4	915.38	1/4	554.13	1/4	214.78	1/4		1/4		1/4	
1/2	2,352.47	1/2	1,991.20	1/2	1,629.92	1/2	1,268.64	1/2	907.87	1/2	546.60	1/2	207.26	1/2		1/2		1/2	
3/4	2,344.95	3/4	1,983.67	3/4	1,622.39	3/4	1,261.12	3/4	900.34	3/4	539.08	3/4	199.73	3/4		3/4		3/4	
8	2,337.42	8	1,976.14	8	1,614.87	8	1,253.59	8	892.81	8	531.55	8	192.21	8		8		8	
1/4	2,329.89	1/4	1,968.62	1/4	1,607.34	1/4	1,246.06	1/4	885.29	1/4	524.03	1/4	184.68	1/4		1/4		1/4	
1/2	2,322.37	1/2	1,961.09	1/2	1,599.81	1/2	1,238.54	1/2	877.76	1/2	516.50	1/2	177.15	1/2		1/2		1/2	
3/4	2,314.84	3/4	1,953.56	3/4	1,592.29	3/4	1,231.01	3/4	870.23	3/4	508.97	3/4	169.63	3/4		3/4		3/4	
9	2,307.31	9	1,946.04	9	1,584.76	9	1,223.49	9	862.71	9	501.45	9	162.10	9		9		9	
1/4	2,299.79	1/4	1,938.51	1/4	1,577.23	1/4	1,215.96	1/4	855.18	1/4	493.92	1/4	154.58	1/4		1/4		1/4	
1/2	2,292.26	1/2	1,930.98	1/2	1,569.71	1/2	1,208.44	1/2	847.66	1/2	486.39	1/2	147.05	1/2		1/2		1/2	
3/4	2,284.73	3/4	1,923.46	3/4	1,562.18	3/4	1,200.92	3/4	840.13	3/4	478.87	3/4	139.52	3/4		3/4		3/4	
10	2,277.21	10	1,915.93	10	1,554.65	10	1,193.41	10	832.60	10	471.34	10	132.00	10		10		10	
1/4	2,269.68	1/4	1,908.40	1/4	1,547.13	1/4	1,185.90	1/4	825.08	1/4	463.81	1/4	124.47	1/4		1/4		1/4	
1/2	2,262.15	1/2	1,900.88	1/2	1,539.60	1/2	1,178.38	1/2	817.55	1/2	456.29	1/2	116.94	1/2		1/2		1/2	
3/4	2,254.63	3/4	1,893.35	3/4	1,532.07	3/4	1,170.87	3/4	810.02	3/4	448.76	3/4	109.50	3/4		3/4		3/4	
11	2,247.10	11	1,885.82	11	1,524.55	11	1,163.35	11	802.50	11	441.24	11	102.05	11		11		11	
1/4	2,239.57	1/4	1,878.30	1/4	1,517.02	1/4	1,155.84	1/4	794.97	1/4	433.71	1/4	94.60	1/4		1/4		1/4	
1/2	2,232.05	1/2	1,870.77	1/2	1,509.49	1/2	1,148.32	1/2	787.45	1/2	426.18	1/2	87.15	1/2		1/2		1/2	
3/4	2,224.52	3/4	1,863.24	3/4	1,501.97	3/4	1,140.81	3/4	779.92	3/4	418.66	3/4	80.41	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/02/2014 SW
CALCULATED: 04/16/2014 CL
RE PRINTED: 08/21/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

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



BARGE "CBC 346"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,020.34	0	4,698.06	0	4,360.38	0	4,009.32	0	3,648.46	0	3,287.06	0	2,925.66
1/4	1/4		1/4		1/4		5,013.82	1/4	4,691.18	1/4	4,353.21	1/4	4,001.87	1/4	3,640.93	1/4	3,279.53	1/4	2,918.13
1/2	1/2		1/2		1/2		5,007.29	1/2	4,684.31	1/2	4,346.03	1/2	3,994.42	1/2	3,633.40	1/2	3,272.00	1/2	2,910.60
3/4	3/4		3/4		3/4		5,000.74	3/4	4,677.42	3/4	4,338.83	3/4	3,986.94	3/4	3,625.87	3/4	3,264.47	3/4	2,903.07
1	1		1		1		4,994.19	1	4,670.52	1	4,331.64	1	3,979.47	1	3,618.34	1	3,256.94	1	2,895.54
1/4	1/4		1/4		1/4		4,987.64	1/4	4,663.62	1/4	4,324.44	1/4	3,971.99	1/4	3,610.81	1/4	3,249.41	1/4	2,888.01
1/2	1/2		1/2		1/2		4,981.09	1/2	4,656.72	1/2	4,317.24	1/2	3,964.52	1/2	3,603.28	1/2	3,241.88	1/2	2,880.48
3/4	3/4		3/4		3/4		4,974.52	3/4	4,649.78	3/4	4,310.02	3/4	3,957.02	3/4	3,595.76	3/4	3,234.35	3/4	2,872.95
2	2		2		2		4,967.95	2	4,642.83	2	4,302.79	2	3,949.52	2	3,588.23	2	3,226.82	2	2,865.42
1/4	1/4		1/4		1/4		4,961.38	1/4	4,635.88	1/4	4,295.57	1/4	3,942.03	1/4	3,580.70	1/4	3,219.30	1/4	2,857.89
1/2	1/2		1/2		1/2		4,954.80	1/2	4,628.94	1/2	4,288.35	1/2	3,934.53	1/2	3,573.17	1/2	3,211.77	1/2	2,850.36
3/4	3/4		3/4		3/4		4,948.20	3/4	4,621.97	3/4	4,281.10	3/4	3,927.01	3/4	3,565.64	3/4	3,204.24	3/4	2,842.84
3	3		3		3		4,941.60	3	4,615.00	3	4,273.86	3	3,919.49	3	3,558.11	3	3,196.71	3	2,835.31
1/4	1/4		1/4		1/4		4,934.99	1/4	4,608.03	1/4	4,266.61	1/4	3,911.97	1/4	3,550.58	1/4	3,189.18	1/4	2,827.78
1/2	1/2		1/2		1/2		4,928.39	1/2	4,601.06	1/2	4,259.37	1/2	3,904.45	1/2	3,543.05	1/2	3,181.65	1/2	2,820.25
3/4	3/4		3/4		3/4		4,921.70	3/4	4,594.07	3/4	4,252.10	3/4	3,896.92	3/4	3,535.52	3/4	3,174.12	3/4	2,812.72
4	4		4		4		4,915.01	4	4,587.08	4	4,244.83	4	3,889.39	4	3,527.99	4	3,166.59	4	2,805.19
1/4	1/4		1/4		1/4		4,908.32	1/4	4,580.08	1/4	4,237.57	1/4	3,881.87	1/4	3,520.46	1/4	3,159.06	1/4	2,797.66
1/2	1/2		1/2		1/2		4,901.63	1/2	4,573.09	1/2	4,230.30	1/2	3,874.34	1/2	3,512.93	1/2	3,151.53	1/2	2,790.13
3/4	3/4		3/4		3/4		4,894.92	3/4	4,566.08	3/4	4,223.01	3/4	3,866.81	3/4	3,505.41	3/4	3,144.00	3/4	2,782.60
5	5		5		5		4,888.20	5	4,559.06	5	4,215.72	5	3,859.28	5	3,497.88	5	3,136.47	5	2,775.07
1/4	1/4		1/4		1/4		4,881.49	1/4	4,552.05	1/4	4,208.43	1/4	3,851.75	1/4	3,490.35	1/4	3,128.95	1/4	2,767.54
1/2	1/2		1/2		1/2		4,874.78	1/2	4,545.03	1/2	4,201.13	1/2	3,844.22	1/2	3,482.82	1/2	3,121.42	1/2	2,760.01
3/4	3/4		3/4		3/4		4,868.04	3/4	4,537.99	3/4	4,193.82	3/4	3,836.69	3/4	3,475.29	3/4	3,113.89	3/4	2,752.49
6	6		6		6		4,861.31	6	4,530.95	6	4,186.51	6	3,829.16	6	3,467.76	6	3,106.36	6	2,744.96
1/4	1/4		1/4		1/4		4,854.58	1/4	4,523.92	1/4	4,179.19	1/4	3,821.63	1/4	3,460.23	1/4	3,098.83	1/4	2,737.43
1/2	1/2		1/2		1/2	5,159.69	4,847.84	1/2	4,516.88	1/2	4,171.88	1/2	3,814.10	1/2	3,452.70	1/2	3,091.30	1/2	2,729.90
3/4	3/4		3/4		3/4	5,154.59	4,841.09	3/4	4,509.82	3/4	4,164.54	3/4	3,806.57	3/4	3,445.17	3/4	3,083.77	3/4	2,722.37
7	7		7		7	5,149.49	4,834.33	7	4,502.76	7	4,157.21	7	3,799.04	7	3,437.64	7	3,076.24	7	2,714.84
1/4	1/4		1/4		1/4	5,144.38	4,827.58	1/4	4,495.70	1/4	4,149.87	1/4	3,791.51	1/4	3,430.11	1/4	3,068.71	1/4	2,707.31
1/2	1/2		1/2		1/2	5,139.28	4,820.82	1/2	4,488.63	1/2	4,142.53	1/2	3,783.99	1/2	3,422.58	1/2	3,061.18	1/2	2,699.78
3/4	3/4		3/4		3/4	5,132.97	4,814.04	3/4	4,481.55	3/4	4,135.17	3/4	3,776.46	3/4	3,415.05	3/4	3,053.65	3/4	2,692.25
8	8		8		8	5,126.66	4,807.26	8	4,474.47	8	4,127.81	8	3,768.93	8	3,407.53	8	3,046.12	8	2,684.72
1/4	1/4		1/4		1/4	5,120.34	4,800.48	1/4	4,467.38	1/4	4,120.45	1/4	3,761.40	1/4	3,400.00	1/4	3,038.59	1/4	2,677.19
1/2	1/2		1/2		1/2	5,114.03	4,793.70	1/2	4,460.30	1/2	4,113.09	1/2	3,753.87	1/2	3,392.47	1/2	3,031.07	1/2	2,669.66
3/4	3/4		3/4		3/4	5,106.86	4,786.90	3/4	4,453.19	3/4	4,105.71	3/4	3,746.34	3/4	3,384.94	3/4	3,023.54	3/4	2,662.13
9	9		9		9	5,099.68	4,780.10	9	4,446.08	9	4,098.33	9	3,738.81	9	3,377.41	9	3,016.01	9	2,654.61
1/4	1/4		1/4		1/4	5,092.51	4,773.29	1/4	4,438.98	1/4	4,090.95	1/4	3,731.28	1/4	3,369.88	1/4	3,008.48	1/4	2,647.08
1/2	1/2		1/2		1/2	5,085.33	4,766.49	1/2	4,431.87	1/2	4,083.56	1/2	3,723.75	1/2	3,362.35	1/2	3,000.95	1/2	2,639.55
3/4	3/4		3/4		3/4	5,078.85	4,759.67	3/4	4,424.74	3/4	4,076.16	3/4	3,716.22	3/4	3,354.82	3/4	2,993.42	3/4	2,632.02
10	10		10		10	5,072.37	4,752.84	10	4,417.61	10	4,068.75	10	3,708.69	10	3,347.29	10	2,985.89	10	2,624.49
1/4	1/4		1/4		1/4	5,065.89	4,746.02	1/4	4,410.48	1/4	4,061.35	1/4	3,701.16	1/4	3,339.76	1/4	2,978.36	1/4	2,616.96
1/2	1/2		1/2		1/2	5,059.41	4,739.19	1/2	4,403.35	1/2	4,053.94	1/2	3,693.64	1/2	3,332.23	1/2	2,970.83	1/2	2,609.43
3/4	3/4		3/4		3/4	5,052.91	4,732.34	3/4	4,396.20	3/4	4,046.51	3/4	3,686.11	3/4	3,324.70	3/4	2,963.30	3/4	2,601.90
11	11		11		11	5,046.40	4,725.50	11	4,389.04	11	4,039.08	11	3,678.58	11	3,317.18	11	2,955.77	11	2,594.36
1/4	1/4		1/4		1/4	5,039.90	4,718.65	1/4	4,381.89	1/4	4,031.65	1/4	3,671.05	1/4	3,309.65	1/4	2,948.24	1/4	2,586.83
1/2	1/2		1/2		1/2	5,033.40	4,711.80	1/2	4,374.74	1/2	4,024.22	1/2	3,663.52	1/2	3,302.12	1/2	2,940.72	1/2	2,579.30
3/4	3/4		3/4		3/4	5,026.87	4,704.93	3/4	4,367.56	3/4	4,016.77	3/4	3,655.99	3/4	3,294.59	3/4	2,933.19	3/4	2,571.77

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>



BARGE "CBC 346"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,564.24	0	2,202.70	0	1,841.17	0	1,479.64	0	1,123.04	0	772.97	0	411.45	0	73.73	0		0	
1/4	2,556.70	1/4	2,195.17	1/4	1,833.64	1/4	1,472.11	1/4	1,115.85	1/4	765.44	1/4	403.92	1/4	66.98	1/4		1/4	
1/2	2,549.17	1/2	2,187.64	1/2	1,826.11	1/2	1,464.58	1/2	1,108.66	1/2	757.91	1/2	396.39	1/2	60.24	1/2		1/2	
3/4	2,541.64	3/4	2,180.11	3/4	1,818.58	3/4	1,457.05	3/4	1,101.48	3/4	750.38	3/4	388.86	3/4	54.75	3/4		3/4	
1	2,534.11	1	2,172.58	1	1,811.05	1	1,449.51	1	1,094.29	1	742.85	1	381.33	1	49.25	1		1	
1/4	2,526.58	1/4	2,165.04	1/4	1,803.51	1/4	1,441.98	1/4	1,087.10	1/4	735.31	1/4	373.79	1/4	43.76	1/4		1/4	
1/2	2,519.04	1/2	2,157.51	1/2	1,795.98	1/2	1,434.45	1/2	1,079.91	1/2	727.78	1/2	366.26	1/2	38.27	1/2		1/2	
3/4	2,511.51	3/4	2,149.98	3/4	1,788.45	3/4	1,426.92	3/4	1,072.72	3/4	720.25	3/4	358.73	3/4	34.04	3/4		3/4	
2	2,503.98	2	2,142.45	2	1,780.92	2	1,419.39	2	1,065.53	2	712.72	2	351.20	2	29.80	2		2	
1/4	2,496.45	1/4	2,134.92	1/4	1,773.39	1/4	1,411.85	1/4	1,058.35	1/4	705.19	1/4	343.67	1/4	25.57	1/4		1/4	
1/2	2,488.92	1/2	2,127.39	1/2	1,765.85	1/2	1,404.32	1/2	1,051.16	1/2	697.66	1/2	336.13	1/2	21.33	1/2		1/2	
3/4	2,481.38	3/4	2,119.85	3/4	1,758.32	3/4	1,396.79	3/4	1,043.97	3/4	690.12	3/4	328.60	3/4		3/4		3/4	
3	2,473.85	3	2,112.32	3	1,750.79	3	1,389.26	3	1,036.78	3	682.59	3	321.07	3		3		3	
1/4	2,466.32	1/4	2,104.79	1/4	1,743.26	1/4	1,381.73	1/4	1,029.59	1/4	675.06	1/4	313.54	1/4		1/4		1/4	
1/2	2,458.79	1/2	2,097.26	1/2	1,735.73	1/2	1,374.20	1/2	1,022.40	1/2	667.53	1/2	307.38	1/2		1/2		1/2	
3/4	2,451.26	3/4	2,089.73	3/4	1,728.19	3/4	1,366.66	3/4	1,015.21	3/4	660.00	3/4	302.59	3/4		3/4		3/4	
4	2,443.73	4	2,082.19	4	1,720.66	4	1,359.13	4	1,008.03	4	652.47	4	297.79	4		4		4	
1/4	2,436.19	1/4	2,074.66	1/4	1,713.13	1/4	1,351.60	1/4	1,000.84	1/4	644.93	1/4	293.00	1/4		1/4		1/4	
1/2	2,428.66	1/2	2,067.13	1/2	1,705.60	1/2	1,344.07	1/2	993.65	1/2	637.40	1/2	288.21	1/2		1/2		1/2	
3/4	2,421.13	3/4	2,059.60	3/4	1,698.07	3/4	1,336.54	3/4	986.46	3/4	629.87	3/4	283.42	3/4		3/4		3/4	
5	2,413.60	5	2,052.07	5	1,690.54	5	1,329.00	5	979.27	5	622.34	5	278.63	5		5		5	
1/4	2,406.07	1/4	2,044.53	1/4	1,683.00	1/4	1,321.47	1/4	972.08	1/4	614.81	1/4	273.83	1/4		1/4		1/4	
1/2	2,398.53	1/2	2,037.00	1/2	1,675.47	1/2	1,313.94	1/2	964.89	1/2	607.28	1/2	267.67	1/2		1/2		1/2	
3/4	2,391.00	3/4	2,029.47	3/4	1,667.94	3/4	1,306.41	3/4	957.71	3/4	599.74	3/4	260.14	3/4		3/4		3/4	
6	2,383.47	6	2,021.94	6	1,660.41	6	1,298.88	6	950.52	6	592.21	6	252.61	6		6		6	
1/4	2,375.94	1/4	2,014.41	1/4	1,652.88	1/4	1,291.34	1/4	943.33	1/4	584.68	1/4	245.08	1/4		1/4		1/4	
1/2	2,368.41	1/2	2,006.87	1/2	1,645.34	1/2	1,283.81	1/2	936.14	1/2	577.15	1/2	237.54	1/2		1/2		1/2	
3/4	2,360.87	3/4	1,999.34	3/4	1,637.81	3/4	1,276.28	3/4	928.95	3/4	569.62	3/4	230.01	3/4		3/4		3/4	
7	2,353.34	7	1,991.81	7	1,630.28	7	1,268.75	7	921.76	7	562.09	7	222.48	7		7		7	
1/4	2,345.81	1/4	1,984.28	1/4	1,622.75	1/4	1,261.22	1/4	914.57	1/4	554.55	1/4	214.95	1/4		1/4		1/4	
1/2	2,338.28	1/2	1,976.75	1/2	1,615.22	1/2	1,253.68	1/2	907.38	1/2	547.02	1/2	207.42	1/2		1/2		1/2	
3/4	2,330.75	3/4	1,969.22	3/4	1,607.68	3/4	1,246.19	3/4	900.14	3/4	539.49	3/4	199.89	3/4		3/4		3/4	
8	2,323.21	8	1,961.68	8	1,600.15	8	1,238.70	8	892.90	8	531.96	8	192.35	8		8		8	
1/4	2,315.68	1/4	1,954.15	1/4	1,592.62	1/4	1,231.21	1/4	885.66	1/4	524.43	1/4	184.82	1/4		1/4		1/4	
1/2	2,308.15	1/2	1,946.62	1/2	1,585.09	1/2	1,223.72	1/2	878.42	1/2	516.90	1/2	177.29	1/2		1/2		1/2	
3/4	2,300.62	3/4	1,939.09	3/4	1,577.56	3/4	1,216.52	3/4	870.89	3/4	509.36	3/4	169.76	3/4		3/4		3/4	
9	2,293.09	9	1,931.56	9	1,570.02	9	1,209.32	9	863.35	9	501.83	9	162.23	9		9		9	
1/4	2,285.56	1/4	1,924.02	1/4	1,562.49	1/4	1,202.13	1/4	855.82	1/4	494.30	1/4	154.69	1/4		1/4		1/4	
1/2	2,278.02	1/2	1,916.49	1/2	1,554.96	1/2	1,194.93	1/2	848.29	1/2	486.77	1/2	147.16	1/2		1/2		1/2	
3/4	2,270.49	3/4	1,908.96	3/4	1,547.43	3/4	1,187.74	3/4	840.76	3/4	479.24	3/4	139.63	3/4		3/4		3/4	
10	2,262.96	10	1,901.43	10	1,539.90	10	1,180.55	10	833.23	10	471.71	10	132.10	10		10		10	
1/4	2,255.43	1/4	1,893.90	1/4	1,532.37	1/4	1,173.36	1/4	825.70	1/4	464.17	1/4	124.57	1/4		1/4		1/4	
1/2	2,247.90	1/2	1,886.36	1/2	1,524.83	1/2	1,166.17	1/2	818.16	1/2	456.64	1/2	117.04	1/2		1/2		1/2	
3/4	2,240.36	3/4	1,878.83	3/4	1,517.30	3/4	1,158.98	3/4	810.63	3/4	449.11	3/4	109.58	3/4		3/4		3/4	
11	2,232.83	11	1,871.30	11	1,509.77	11	1,151.80	11	803.10	11	441.58	11	102.13	11		11		11	
1/4	2,225.30	1/4	1,863.77	1/4	1,502.24	1/4	1,144.61	1/4	795.57	1/4	434.05	1/4	94.68	1/4		1/4		1/4	
1/2	2,217.77	1/2	1,856.24	1/2	1,494.71	1/2	1,137.42	1/2	788.04	1/2	426.52	1/2	87.22	1/2		1/2		1/2	
3/4	2,210.24	3/4	1,848.70	3/4	1,487.17	3/4	1,130.23	3/4	780.51	3/4	418.98	3/4	80.48	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/02/2014 SW
CALCULATED: 04/16/2014 CL
RE PRINTED: 08/21/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

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



BARGE "CBC 346"

3 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	4,310.87	0	4,138.26	0	3,957.41	0	3,769.37	0	3,575.98	0	3,294.81	0	2,936.33
1/4	1/4		1/4		1/4		4,307.38	1/4	4,134.58	1/4	3,953.56	1/4	3,765.37	1/4	3,571.94	1/4	3,287.36	1/4	2,928.84
1/2	1/2		1/2		1/2		4,303.88	1/2	4,130.89	1/2	3,949.71	1/2	3,761.38	1/2	3,567.91	1/2	3,279.91	1/2	2,921.36
3/4	3/4		3/4		3/4		4,300.38	3/4	4,127.21	3/4	3,945.87	3/4	3,757.39	3/4	3,563.87	3/4	3,272.46	3/4	2,913.87
1	1		1		1		4,296.87	1	4,123.51	1	3,942.01	1	3,753.38	1	3,559.83	1	3,265.01	1	2,906.39
1/4	1/4		1/4		1/4		4,293.36	1/4	4,119.81	1/4	3,938.15	1/4	3,749.37	1/4	3,555.80	1/4	3,257.56	1/4	2,898.90
1/2	1/2		1/2		1/2		4,289.85	1/2	4,116.11	1/2	3,934.29	1/2	3,745.37	1/2	3,551.76	1/2	3,250.11	1/2	2,891.42
3/4	3/4		3/4		3/4		4,286.34	3/4	4,112.42	3/4	3,930.43	3/4	3,741.36	3/4	3,547.73	3/4	3,242.66	3/4	2,883.94
2	2		2		2		4,282.81	2	4,108.69	2	3,926.56	2	3,737.34	2	3,543.69	2	3,235.21	2	2,876.45
1/4	1/4		1/4		1/4		4,279.29	1/4	4,104.97	1/4	3,922.69	1/4	3,733.32	1/4	3,539.65	1/4	3,227.76	1/4	2,868.97
1/2	1/2		1/2		1/2		4,275.77	1/2	4,101.24	1/2	3,918.82	1/2	3,729.30	1/2	3,535.62	1/2	3,220.31	1/2	2,861.48
3/4	3/4		3/4		3/4		4,272.24	3/4	4,097.52	3/4	3,914.94	3/4	3,725.28	3/4	3,531.58	3/4	3,212.86	3/4	2,854.00
3	3		3		3		4,268.70	3	4,093.78	3	3,911.06	3	3,721.25	3	3,527.55	3	3,205.41	3	2,846.51
1/4	1/4		1/4		1/4		4,265.16	1/4	4,090.05	1/4	3,907.18	1/4	3,717.22	1/4	3,523.51	1/4	3,197.96	1/4	2,839.03
1/2	1/2		1/2		1/2		4,261.62	1/2	4,086.31	1/2	3,903.29	1/2	3,713.19	1/2	3,519.47	1/2	3,190.51	1/2	2,831.54
3/4	3/4		3/4		3/4		4,258.08	3/4	4,082.58	3/4	3,899.41	3/4	3,709.16	3/4	3,515.44	3/4	3,183.06	3/4	2,824.06
4	4		4		4		4,254.50	4	4,078.83	4	3,895.51	4	3,705.13	4	3,511.40	4	3,175.61	4	2,816.58
1/4	1/4		1/4		1/4		4,250.91	1/4	4,075.08	1/4	3,891.62	1/4	3,701.09	1/4	3,507.37	1/4	3,168.16	1/4	2,809.09
1/2	1/2		1/2		1/2		4,247.32	1/2	4,071.33	1/2	3,887.72	1/2	3,697.05	1/2	3,503.33	1/2	3,160.71	1/2	2,801.61
3/4	3/4		3/4		3/4		4,243.74	3/4	4,067.58	3/4	3,883.83	3/4	3,693.02	3/4	3,499.30	3/4	3,153.26	3/4	2,794.12
5	5		5		5		4,240.14	5	4,063.82	5	3,879.92	5	3,688.98	5	3,494.83	5	3,145.80	5	2,786.64
1/4	1/4		1/4		1/4		4,236.54	1/4	4,060.06	1/4	3,876.01	1/4	3,684.95	1/4	3,490.37	1/4	3,138.35	1/4	2,779.15
1/2	1/2		1/2		1/2		4,232.94	1/2	4,056.30	1/2	3,872.10	1/2	3,680.91	1/2	3,485.90	1/2	3,130.89	1/2	2,771.66
3/4	3/4		3/4		3/4		4,229.34	3/4	4,052.54	3/4	3,868.19	3/4	3,676.87	3/4	3,481.44	3/4	3,123.44	3/4	2,764.18
6	6		6		6		4,225.73	6	4,048.77	6	3,864.27	6	3,672.84	6	3,473.97	6	3,115.96	6	2,756.68
1/4	1/4		1/4		1/4		4,222.12	1/4	4,045.00	1/4	3,860.35	1/4	3,668.80	1/4	3,466.50	1/4	3,108.47	1/4	2,749.18
1/2	1/2		1/2		1/2		4,218.51	1/2	4,041.22	1/2	3,856.43	1/2	3,664.77	1/2	3,459.04	1/2	3,100.99	1/2	2,741.68
3/4	3/4		3/4		3/4	4,375.44	4,214.90	3/4	4,037.45	3/4	3,852.51	3/4	3,660.73	3/4	3,451.57	3/4	3,093.50	3/4	2,734.18
7	7		7		7	4,373.79	4,211.28	7	4,033.66	7	3,848.58	7	3,656.70	7	3,444.11	7	3,086.02	7	2,726.68
1/4	1/4		1/4		1/4	4,372.14	4,207.66	1/4	4,029.88	1/4	3,844.65	1/4	3,652.66	1/4	3,436.64	1/4	3,078.53	1/4	2,719.19
1/2	1/2		1/2		1/2	4,370.48	4,204.03	1/2	4,026.09	1/2	3,840.71	1/2	3,648.62	1/2	3,429.18	1/2	3,071.05	1/2	2,711.69
3/4	3/4		3/4		3/4	4,368.83	4,200.41	3/4	4,022.31	3/4	3,836.78	3/4	3,644.59	3/4	3,421.71	3/4	3,063.56	3/4	2,704.19
8	8		8		8	4,365.96	4,196.77	8	4,018.51	8	3,832.83	8	3,640.55	8	3,414.24	8	3,056.08	8	2,696.69
1/4	1/4		1/4		1/4	4,363.09	4,193.14	1/4	4,014.71	1/4	3,828.89	1/4	3,636.52	1/4	3,406.78	1/4	3,048.59	1/4	2,689.20
1/2	1/2		1/2		1/2	4,360.22	4,189.50	1/2	4,010.92	1/2	3,824.94	1/2	3,632.48	1/2	3,399.31	1/2	3,041.11	1/2	2,681.70
3/4	3/4		3/4		3/4	4,357.35	4,185.87	3/4	4,007.12	3/4	3,821.00	3/4	3,628.44	3/4	3,391.85	3/4	3,033.63	3/4	2,674.20
9	9		9		9	4,353.56	4,182.22	9	4,003.31	9	3,817.04	9	3,624.41	9	3,384.38	9	3,026.14	9	2,666.71
1/4	1/4		1/4		1/4	4,349.78	4,178.57	1/4	3,999.50	1/4	3,813.08	1/4	3,620.37	1/4	3,376.91	1/4	3,018.66	1/4	2,659.21
1/2	1/2		1/2		1/2	4,346.00	4,174.92	1/2	3,995.69	1/2	3,809.13	1/2	3,616.34	1/2	3,369.45	1/2	3,011.17	1/2	2,651.71
3/4	3/4		3/4		3/4	4,342.21	4,171.28	3/4	3,991.88	3/4	3,805.17	3/4	3,612.30	3/4	3,361.98	3/4	3,003.69	3/4	2,644.21
10	10		10		10	4,338.74	4,167.62	10	3,988.06	10	3,801.20	10	3,608.26	10	3,354.52	10	2,996.20	10	2,636.72
1/4	1/4		1/4		1/4	4,335.26	4,163.96	1/4	3,984.24	1/4	3,797.23	1/4	3,604.23	1/4	3,347.05	1/4	2,988.72	1/4	2,629.22
1/2	1/2		1/2		1/2	4,331.79	4,160.30	1/2	3,980.41	1/2	3,793.26	1/2	3,600.19	1/2	3,339.59	1/2	2,981.23	1/2	2,621.72
3/4	3/4		3/4		3/4	4,328.32	4,156.64	3/4	3,976.59	3/4	3,789.29	3/4	3,596.16	3/4	3,332.12	3/4	2,973.75	3/4	2,614.23
11	11		11		11	4,324.83	4,152.97	11	3,972.76	11	3,785.31	11	3,592.12	11	3,324.66	11	2,966.27	11	2,606.73
1/4	1/4		1/4		1/4	4,321.34	4,149.29	1/4	3,968.92	1/4	3,781.33	1/4	3,588.09	1/4	3,317.19	1/4	2,958.78	1/4	2,599.23
1/2	1/2		1/2		1/2	4,317.86	4,145.62	1/2	3,965.09	1/2	3,777.34	1/2	3,584.05	1/2	3,309.73	1/2	2,951.30	1/2	2,591.74
3/4	3/4		3/4		3/4	4,314.37	4,141.95	3/4	3,961.25	3/4	3,773.36	3/4	3,580.01	3/4	3,302.26	3/4	2,943.81	3/4	2,584.24

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 346"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,576.74	0	2,216.80	0	1,856.82	0	1,496.80	0	1,136.85	0	777.14	0	417.14	0	80.14	0		0	
1/4	2,569.24	1/4	2,209.30	1/4	1,849.32	1/4	1,489.30	1/4	1,129.36	1/4	769.64	1/4	409.64	1/4	73.42	1/4		1/4	
1/2	2,561.74	1/2	2,201.81	1/2	1,841.82	1/2	1,481.80	1/2	1,121.87	1/2	762.14	1/2	402.14	1/2	66.71	1/2		1/2	
3/4	2,554.24	3/4	2,194.31	3/4	1,834.32	3/4	1,474.30	3/4	1,114.38	3/4	754.64	3/4	394.64	3/4	59.99	3/4		3/4	
1	2,546.75	1	2,186.81	1	1,826.82	1	1,466.80	1	1,106.88	1	747.14	1	387.14	1	54.52	1		1	
1/4	2,539.25	1/4	2,179.31	1/4	1,819.32	1/4	1,459.30	1/4	1,099.39	1/4	739.64	1/4	379.64	1/4	49.05	1/4		1/4	
1/2	2,531.75	1/2	2,171.81	1/2	1,811.82	1/2	1,451.80	1/2	1,091.90	1/2	732.14	1/2	372.14	1/2	43.58	1/2		1/2	
3/4	2,524.25	3/4	2,164.31	3/4	1,804.32	3/4	1,444.30	3/4	1,084.41	3/4	724.64	3/4	364.64	3/4	38.11	3/4		3/4	
2	2,516.75	2	2,156.81	2	1,796.82	2	1,436.80	2	1,076.92	2	717.14	2	357.14	2	33.90	2		2	
1/4	2,509.25	1/4	2,149.31	1/4	1,789.32	1/4	1,429.30	1/4	1,069.43	1/4	709.64	1/4	349.64	1/4	29.68	1/4		1/4	
1/2	2,501.75	1/2	2,141.82	1/2	1,781.82	1/2	1,421.80	1/2	1,061.94	1/2	702.14	1/2	342.14	1/2	25.46	1/2		1/2	
3/4	2,494.25	3/4	2,134.32	3/4	1,774.32	3/4	1,414.30	3/4	1,054.45	3/4	694.64	3/4	334.64	3/4	21.24	3/4		3/4	
3	2,486.76	3	2,126.82	3	1,766.82	3	1,406.80	3	1,046.96	3	687.14	3	327.14	3		3		3	
1/4	2,479.26	1/4	2,119.32	1/4	1,759.32	1/4	1,399.30	1/4	1,039.47	1/4	679.64	1/4	319.64	1/4		1/4		1/4	
1/2	2,471.76	1/2	2,111.82	1/2	1,751.82	1/2	1,391.80	1/2	1,031.97	1/2	672.14	1/2	312.14	1/2		1/2		1/2	
3/4	2,464.26	3/4	2,104.32	3/4	1,744.32	3/4	1,384.30	3/4	1,024.48	3/4	664.64	3/4	306.01	3/4		3/4		3/4	
4	2,456.76	4	2,096.82	4	1,736.82	4	1,376.80	4	1,016.99	4	657.14	4	301.24	4		4		4	
1/4	2,449.26	1/4	2,089.32	1/4	1,729.32	1/4	1,369.30	1/4	1,009.50	1/4	649.64	1/4	296.48	1/4		1/4		1/4	
1/2	2,441.76	1/2	2,081.83	1/2	1,721.82	1/2	1,361.80	1/2	1,002.01	1/2	642.14	1/2	291.72	1/2		1/2		1/2	
3/4	2,434.26	3/4	2,074.33	3/4	1,714.32	3/4	1,354.30	3/4	994.52	3/4	634.64	3/4	286.96	3/4		3/4		3/4	
5	2,426.77	5	2,066.83	5	1,706.82	5	1,346.80	5	987.03	5	627.14	5	282.20	5		5		5	
1/4	2,419.27	1/4	2,059.33	1/4	1,699.32	1/4	1,339.30	1/4	979.54	1/4	619.64	1/4	277.44	1/4		1/4		1/4	
1/2	2,411.77	1/2	2,051.83	1/2	1,691.81	1/2	1,331.80	1/2	972.05	1/2	612.14	1/2	272.68	1/2		1/2		1/2	
3/4	2,404.27	3/4	2,044.33	3/4	1,684.31	3/4	1,324.30	3/4	964.56	3/4	604.64	3/4	266.55	3/4		3/4		3/4	
6	2,396.77	6	2,036.83	6	1,676.81	6	1,316.79	6	957.06	6	597.14	6	259.05	6		6		6	
1/4	2,389.27	1/4	2,029.33	1/4	1,669.31	1/4	1,309.29	1/4	949.57	1/4	589.64	1/4	251.55	1/4		1/4		1/4	
1/2	2,381.77	1/2	2,021.83	1/2	1,661.81	1/2	1,301.79	1/2	942.08	1/2	582.14	1/2	244.05	1/2		1/2		1/2	
3/4	2,374.28	3/4	2,014.33	3/4	1,654.31	3/4	1,294.29	3/4	934.59	3/4	574.64	3/4	236.55	3/4		3/4		3/4	
7	2,366.78	7	2,006.83	7	1,646.81	7	1,286.79	7	927.10	7	567.14	7	229.05	7		7		7	
1/4	2,359.28	1/4	1,999.33	1/4	1,639.31	1/4	1,279.29	1/4	919.61	1/4	559.64	1/4	221.55	1/4		1/4		1/4	
1/2	2,351.78	1/2	1,991.83	1/2	1,631.81	1/2	1,271.79	1/2	912.12	1/2	552.14	1/2	214.05	1/2		1/2		1/2	
3/4	2,344.28	3/4	1,984.33	3/4	1,624.31	3/4	1,264.29	3/4	904.63	3/4	544.64	3/4	206.55	3/4		3/4		3/4	
8	2,336.78	8	1,976.83	8	1,616.81	8	1,256.79	8	897.13	8	537.14	8	199.05	8		8		8	
1/4	2,329.28	1/4	1,969.33	1/4	1,609.31	1/4	1,249.29	1/4	889.63	1/4	529.64	1/4	191.55	1/4		1/4		1/4	
1/2	2,321.78	1/2	1,961.83	1/2	1,601.81	1/2	1,241.79	1/2	882.14	1/2	522.14	1/2	184.05	1/2		1/2		1/2	
3/4	2,314.29	3/4	1,954.33	3/4	1,594.31	3/4	1,234.29	3/4	874.64	3/4	514.64	3/4	176.55	3/4		3/4		3/4	
9	2,306.79	9	1,946.83	9	1,586.81	9	1,226.79	9	867.14	9	507.14	9	169.05	9		9		9	
1/4	2,299.29	1/4	1,939.33	1/4	1,579.31	1/4	1,219.29	1/4	859.64	1/4	499.64	1/4	161.55	1/4		1/4		1/4	
1/2	2,291.79	1/2	1,931.83	1/2	1,571.81	1/2	1,211.79	1/2	852.14	1/2	492.14	1/2	154.05	1/2		1/2		1/2	
3/4	2,284.29	3/4	1,924.33	3/4	1,564.31	3/4	1,204.29	3/4	844.64	3/4	484.64	3/4	146.55	3/4		3/4		3/4	
10	2,276.79	10	1,916.83	10	1,556.81	10	1,196.79	10	837.14	10	477.14	10	139.05	10		10		10	
1/4	2,269.29	1/4	1,909.33	1/4	1,549.31	1/4	1,189.30	1/4	829.64	1/4	469.64	1/4	131.55	1/4		1/4		1/4	
1/2	2,261.79	1/2	1,901.83	1/2	1,541.81	1/2	1,181.80	1/2	822.14	1/2	462.14	1/2	124.05	1/2		1/2		1/2	
3/4	2,254.30	3/4	1,894.33	3/4	1,534.31	3/4	1,174.30	3/4	814.64	3/4	454.64	3/4	116.55	3/4		3/4		3/4	
11	2,246.80	11	1,886.83	11	1,526.81	11	1,166.81	11	807.14	11	447.14	11	109.13	11		11		11	
1/4	2,239.30	1/4	1,879.32	1/4	1,519.31	1/4	1,159.32	1/4	799.64	1/4	439.64	1/4	101.71	1/4		1/4		1/4	
1/2	2,231.80	1/2	1,871.82	1/2	1,511.81	1/2	1,151.83	1/2	792.14	1/2	432.14	1/2	94.28	1/2		1/2		1/2	
3/4	2,224.30	3/4	1,864.32	3/4	1,504.30	3/4	1,144.34	3/4	784.64	3/4	424.64	3/4	86.86	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/02/2014 SW
CALCULATED: 04/16/2014 CL
RE PRINTED: 08/21/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

PRECISION MEASUREMENT
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BARGE "CBC 346"

3 STBD

ULLAGE TABLE

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	4,283.29	0	4,111.75	0	3,931.95	0	3,744.95	0	3,552.49	0	3,275.65	0	2,918.26
1/4		1/4		1/4		1/4	4,279.81	1/4	4,108.09	1/4	3,928.12	1/4	3,740.97	1/4	3,548.47	1/4	3,268.22	1/4	2,910.80
1/2		1/2		1/2		1/2	4,276.33	1/2	4,104.42	1/2	3,924.29	1/2	3,737.00	1/2	3,544.45	1/2	3,260.79	1/2	2,903.34
3/4		3/4		3/4		3/4	4,272.85	3/4	4,100.76	3/4	3,920.46	3/4	3,733.02	3/4	3,540.44	3/4	3,253.36	3/4	2,895.89
1		1		1		1	4,269.37	1	4,097.09	1	3,916.64	1	3,729.05	1	3,536.42	1	3,245.93	1	2,888.43
1/4		1/4		1/4		1/4	4,265.88	1/4	4,093.41	1/4	3,912.80	1/4	3,725.06	1/4	3,532.40	1/4	3,238.50	1/4	2,880.97
1/2		1/2		1/2		1/2	4,262.39	1/2	4,089.73	1/2	3,908.95	1/2	3,721.07	1/2	3,528.39	1/2	3,231.07	1/2	2,873.51
3/4		3/4		3/4		3/4	4,258.89	3/4	4,086.05	3/4	3,905.11	3/4	3,717.08	3/4	3,524.37	3/4	3,223.64	3/4	2,866.05
2		2		2		2	4,255.40	2	4,082.37	2	3,901.27	2	3,713.09	2	3,520.35	2	3,216.21	2	2,858.59
1/4		1/4		1/4		1/4	4,251.90	1/4	4,078.66	1/4	3,897.42	1/4	3,709.09	1/4	3,516.33	1/4	3,208.78	1/4	2,851.13
1/2		1/2		1/2		1/2	4,248.39	1/2	4,074.96	1/2	3,893.57	1/2	3,705.09	1/2	3,512.32	1/2	3,201.35	1/2	2,843.66
3/4		3/4		3/4		3/4	4,244.89	3/4	4,071.25	3/4	3,889.72	3/4	3,701.09	3/4	3,508.30	3/4	3,193.91	3/4	2,836.20
3		3		3		3	4,241.38	3	4,067.55	3	3,885.86	3	3,697.09	3	3,504.28	3	3,186.48	3	2,828.73
1/4		1/4		1/4		1/4	4,237.86	1/4	4,063.83	1/4	3,882.00	1/4	3,693.08	1/4	3,500.27	1/4	3,179.05	1/4	2,821.27
1/2		1/2		1/2		1/2	4,234.34	1/2	4,060.11	1/2	3,878.13	1/2	3,689.07	1/2	3,496.25	1/2	3,171.62	1/2	2,813.80
3/4		3/4		3/4		3/4	4,230.82	3/4	4,056.40	3/4	3,874.27	3/4	3,685.05	3/4	3,492.23	3/4	3,164.19	3/4	2,806.34
4		4		4		4	4,227.30	4	4,052.68	4	3,870.40	4	3,681.04	4	3,488.21	4	3,156.76	4	2,798.87
1/4		1/4		1/4		1/4	4,223.73	1/4	4,048.95	1/4	3,866.52	1/4	3,677.02	1/4	3,484.20	1/4	3,149.33	1/4	2,791.41
1/2		1/2		1/2		1/2	4,220.16	1/2	4,045.22	1/2	3,862.65	1/2	3,673.01	1/2	3,480.18	1/2	3,141.90	1/2	2,783.94
3/4		3/4		3/4		3/4	4,216.59	3/4	4,041.49	3/4	3,858.77	3/4	3,668.99	3/4	3,476.16	3/4	3,134.47	3/4	2,776.48
5		5		5		5	4,213.03	5	4,037.76	5	3,854.89	5	3,664.97	5	3,472.15	5	3,127.04	5	2,769.01
1/4		1/4		1/4		1/4	4,209.45	1/4	4,034.02	1/4	3,851.00	1/4	3,660.95	1/4	3,467.70	1/4	3,119.60	1/4	2,761.55
1/2		1/2		1/2		1/2	4,205.87	1/2	4,030.28	1/2	3,847.11	1/2	3,656.94	1/2	3,463.25	1/2	3,112.17	1/2	2,754.08
3/4		3/4		3/4		3/4	4,202.29	3/4	4,026.53	3/4	3,843.22	3/4	3,652.92	3/4	3,458.81	3/4	3,104.73	3/4	2,746.61
6		6		6		6	4,198.71	6	4,022.79	6	3,839.33	6	3,648.90	6	3,454.36	6	3,097.30	6	2,739.15
1/4		1/4		1/4		1/4	4,195.11	1/4	4,019.04	1/4	3,835.43	1/4	3,644.88	1/4	3,446.91	1/4	3,089.83	1/4	2,731.67
1/2		1/2		1/2		1/2	4,191.52	1/2	4,015.28	1/2	3,831.53	1/2	3,640.87	1/2	3,439.47	1/2	3,082.37	1/2	2,724.19
3/4		3/4		3/4		3/4	4,187.93	3/4	4,011.53	3/4	3,827.63	3/4	3,636.85	3/4	3,432.02	3/4	3,074.90	3/4	2,716.71
7		7		7	4,344.00	7	4,184.34	7	4,007.77	7	3,823.73	7	3,632.83	7	3,424.57	7	3,067.44	7	2,709.23
1/4		1/4		1/4	4,342.36	1/4	4,180.73	1/4	4,004.01	1/4	3,819.81	1/4	3,628.82	1/4	3,417.13	1/4	3,059.97	1/4	2,701.75
1/2		1/2		1/2	4,340.73	1/2	4,177.13	1/2	4,000.24	1/2	3,815.90	1/2	3,624.80	1/2	3,409.68	1/2	3,052.51	1/2	2,694.27
3/4		3/4		3/4	4,339.09	3/4	4,173.52	3/4	3,996.47	3/4	3,811.98	3/4	3,620.78	3/4	3,402.24	3/4	3,045.04	3/4	2,686.79
8		8		8	4,337.46	8	4,169.92	8	3,992.71	8	3,808.07	8	3,616.76	8	3,394.79	8	3,037.58	8	2,679.32
1/4		1/4		1/4	4,334.61	1/4	4,166.30	1/4	3,988.93	1/4	3,804.14	1/4	3,612.75	1/4	3,387.34	1/4	3,030.12	1/4	2,671.84
1/2		1/2		1/2	4,331.75	1/2	4,162.69	1/2	3,985.15	1/2	3,800.22	1/2	3,608.73	1/2	3,379.90	1/2	3,022.66	1/2	2,664.36
3/4		3/4		3/4	4,328.90	3/4	4,159.07	3/4	3,981.37	3/4	3,796.29	3/4	3,604.71	3/4	3,372.45	3/4	3,015.21	3/4	2,656.88
9		9		9	4,326.05	9	4,155.45	9	3,977.59	9	3,792.36	9	3,600.70	9	3,365.00	9	3,007.75	9	2,649.41
1/4		1/4		1/4	4,322.28	1/4	4,151.82	1/4	3,973.80	1/4	3,788.42	1/4	3,596.68	1/4	3,357.56	1/4	3,000.29	1/4	2,641.93
1/2		1/2		1/2	4,318.52	1/2	4,148.19	1/2	3,970.01	1/2	3,784.48	1/2	3,592.66	1/2	3,350.11	1/2	2,992.83	1/2	2,634.45
3/4		3/4		3/4	4,314.75	3/4	4,144.56	3/4	3,966.22	3/4	3,780.55	3/4	3,588.64	3/4	3,342.66	3/4	2,985.38	3/4	2,626.97
10		10		10	4,310.98	10	4,140.94	10	3,962.43	10	3,776.61	10	3,584.63	10	3,335.22	10	2,977.92	10	2,619.49
1/4		1/4		1/4	4,307.53	1/4	4,137.29	1/4	3,958.62	1/4	3,772.66	1/4	3,580.61	1/4	3,327.77	1/4	2,970.46	1/4	2,612.02
1/2		1/2		1/2	4,304.07	1/2	4,133.65	1/2	3,954.82	1/2	3,768.70	1/2	3,576.59	1/2	3,320.33	1/2	2,963.00	1/2	2,604.54
3/4		3/4		3/4	4,300.62	3/4	4,130.01	3/4	3,951.02	3/4	3,764.75	3/4	3,572.58	3/4	3,312.88	3/4	2,955.55	3/4	2,597.06
11		11		11	4,297.16	11	4,126.37	11	3,947.21	11	3,760.80	11	3,568.56	11	3,305.43	11	2,948.09	11	2,589.58
1/4		1/4		1/4	4,293.69	1/4	4,122.72	1/4	3,943.40	1/4	3,756.84	1/4	3,564.54	1/4	3,297.99	1/4	2,940.63	1/4	2,582.10
1/2		1/2		1/2	4,290.23	1/2	4,119.06	1/2	3,939.58	1/2	3,752.88	1/2	3,560.52	1/2	3,290.54	1/2	2,933.17	1/2	2,574.63
3/4		3/4		3/4	4,286.76	3/4	4,115.41	3/4	3,935.76	3/4	3,748.91	3/4	3,556.51	3/4	3,283.10	3/4	2,925.72	3/4	2,567.15

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 346"

3 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	2,559.67	0	2,200.67	0	1,841.63	0	1,482.54	0	1,126.43	0	782.84	0	423.65	0	86.67	0		0	
1/4	2,552.19	1/4	2,193.19	1/4	1,834.15	1/4	1,475.06	1/4	1,119.29	1/4	775.36	1/4	416.17	1/4	79.98	1/4		1/4	
1/2	2,544.71	1/2	2,185.71	1/2	1,826.66	1/2	1,467.59	1/2	1,112.14	1/2	767.88	1/2	408.69	1/2	73.29	1/2		1/2	
3/4	2,537.23	3/4	2,178.23	3/4	1,819.18	3/4	1,460.12	3/4	1,105.00	3/4	760.39	3/4	401.21	3/4	66.59	3/4		3/4	
1	2,529.75	1	2,170.75	1	1,811.70	1	1,452.65	1	1,097.85	1	752.91	1	393.72	1	59.90	1		1	
1/4	2,522.27	1/4	2,163.27	1/4	1,804.22	1/4	1,445.23	1/4	1,090.71	1/4	745.43	1/4	386.24	1/4	54.45	1/4		1/4	
1/2	2,514.79	1/2	2,155.79	1/2	1,796.74	1/2	1,437.81	1/2	1,083.56	1/2	737.95	1/2	378.76	1/2	48.99	1/2		1/2	
3/4	2,507.31	3/4	2,148.31	3/4	1,789.26	3/4	1,430.39	3/4	1,076.41	3/4	730.46	3/4	371.27	3/4	43.54	3/4		3/4	
2	2,499.83	2	2,140.83	2	1,781.78	2	1,422.97	2	1,069.27	2	722.98	2	363.79	2	38.08	2		2	
1/4	2,492.36	1/4	2,133.35	1/4	1,774.30	1/4	1,415.55	1/4	1,062.12	1/4	715.50	1/4	356.31	1/4	33.87	1/4		1/4	
1/2	2,484.88	1/2	2,125.87	1/2	1,766.82	1/2	1,408.13	1/2	1,054.98	1/2	708.01	1/2	348.82	1/2	29.65	1/2		1/2	
3/4	2,477.40	3/4	2,118.40	3/4	1,759.34	3/4	1,400.71	3/4	1,047.83	3/4	700.53	3/4	341.34	3/4	25.44	3/4		3/4	
3	2,469.92	3	2,110.92	3	1,751.85	3	1,393.29	3	1,040.69	3	693.05	3	333.86	3	21.22	3		3	
1/4	2,462.44	1/4	2,103.44	1/4	1,744.37	1/4	1,385.87	1/4	1,033.54	1/4	685.56	1/4	326.37	1/4		1/4		1/4	
1/2	2,454.96	1/2	2,095.96	1/2	1,736.89	1/2	1,378.45	1/2	1,026.40	1/2	678.08	1/2	318.89	1/2		1/2		1/2	
3/4	2,447.48	3/4	2,088.48	3/4	1,729.41	3/4	1,371.03	3/4	1,019.25	3/4	670.60	3/4	311.41	3/4		3/4		3/4	
4	2,440.00	4	2,081.00	4	1,721.93	4	1,363.61	4	1,012.10	4	663.11	4	305.29	4		4		4	
1/4	2,432.52	1/4	2,073.52	1/4	1,714.45	1/4	1,356.19	1/4	1,004.96	1/4	655.63	1/4	300.55	1/4		1/4		1/4	
1/2	2,425.04	1/2	2,066.04	1/2	1,706.97	1/2	1,348.78	1/2	997.81	1/2	648.15	1/2	295.81	1/2		1/2		1/2	
3/4	2,417.56	3/4	2,058.56	3/4	1,699.49	3/4	1,341.36	3/4	990.67	3/4	640.66	3/4	291.06	3/4		3/4		3/4	
5	2,410.08	5	2,051.08	5	1,692.01	5	1,333.94	5	983.52	5	633.18	5	286.32	5		5		5	
1/4	2,402.61	1/4	2,043.60	1/4	1,684.53	1/4	1,326.52	1/4	976.38	1/4	625.70	1/4	281.58	1/4		1/4		1/4	
1/2	2,395.13	1/2	2,036.12	1/2	1,677.04	1/2	1,319.10	1/2	969.23	1/2	618.22	1/2	276.83	1/2		1/2		1/2	
3/4	2,387.65	3/4	2,028.65	3/4	1,669.56	3/4	1,311.68	3/4	962.08	3/4	610.73	3/4	272.09	3/4		3/4		3/4	
6	2,380.17	6	2,021.17	6	1,662.08	6	1,304.26	6	954.94	6	603.25	6	265.98	6		6		6	
1/4	2,372.69	1/4	2,013.69	1/4	1,654.60	1/4	1,296.84	1/4	947.79	1/4	595.77	1/4	258.49	1/4		1/4		1/4	
1/2	2,365.21	1/2	2,006.21	1/2	1,647.12	1/2	1,289.42	1/2	940.65	1/2	588.28	1/2	251.01	1/2		1/2		1/2	
3/4	2,357.73	3/4	1,998.73	3/4	1,639.64	3/4	1,282.00	3/4	933.50	3/4	580.80	3/4	243.53	3/4		3/4		3/4	
7	2,350.25	7	1,991.25	7	1,632.16	7	1,274.58	7	926.36	7	573.32	7	236.04	7		7		7	
1/4	2,342.77	1/4	1,983.77	1/4	1,624.68	1/4	1,267.16	1/4	919.21	1/4	565.83	1/4	228.56	1/4		1/4		1/4	
1/2	2,335.29	1/2	1,976.28	1/2	1,617.20	1/2	1,259.74	1/2	912.06	1/2	558.35	1/2	221.08	1/2		1/2		1/2	
3/4	2,327.81	3/4	1,968.80	3/4	1,609.72	3/4	1,252.32	3/4	904.92	3/4	550.87	3/4	213.60	3/4		3/4		3/4	
8	2,320.33	8	1,961.32	8	1,602.23	8	1,244.90	8	897.77	8	543.38	8	206.11	8		8		8	
1/4	2,312.85	1/4	1,953.84	1/4	1,594.75	1/4	1,237.49	1/4	890.62	1/4	535.90	1/4	198.63	1/4		1/4		1/4	
1/2	2,305.38	1/2	1,946.36	1/2	1,587.27	1/2	1,230.07	1/2	883.47	1/2	528.42	1/2	191.15	1/2		1/2		1/2	
3/4	2,297.90	3/4	1,938.88	3/4	1,579.79	3/4	1,222.65	3/4	876.32	3/4	520.94	3/4	183.66	3/4		3/4		3/4	
9	2,290.42	9	1,931.40	9	1,572.31	9	1,215.24	9	869.17	9	513.45	9	176.18	9		9		9	
1/4	2,282.94	1/4	1,923.92	1/4	1,564.83	1/4	1,207.83	1/4	861.99	1/4	505.97	1/4	168.70	1/4		1/4		1/4	
1/2	2,275.46	1/2	1,916.44	1/2	1,557.35	1/2	1,200.43	1/2	854.82	1/2	498.49	1/2	161.21	1/2		1/2		1/2	
3/4	2,267.98	3/4	1,908.96	3/4	1,549.87	3/4	1,193.03	3/4	847.65	3/4	491.00	3/4	153.73	3/4		3/4		3/4	
10	2,260.50	10	1,901.47	10	1,542.39	10	1,185.63	10	840.48	10	483.52	10	146.24	10		10		10	
1/4	2,253.02	1/4	1,893.99	1/4	1,534.91	1/4	1,178.22	1/4	833.31	1/4	476.04	1/4	138.76	1/4		1/4		1/4	
1/2	2,245.54	1/2	1,886.51	1/2	1,527.42	1/2	1,170.82	1/2	826.13	1/2	468.55	1/2	131.27	1/2		1/2		1/2	
3/4	2,238.06	3/4	1,879.03	3/4	1,519.94	3/4	1,163.41	3/4	818.96	3/4	461.07	3/4	123.78	3/4		3/4		3/4	
11	2,230.58	11	1,871.55	11	1,512.46	11	1,156.01	11	811.78	11	453.59	11	116.29	11		11		11	
1/4	2,223.10	1/4	1,864.07	1/4	1,504.98	1/4	1,148.62	1/4	804.55	1/4	446.10	1/4	108.89	1/4		1/4		1/4	
1/2	2,215.63	1/2	1,856.59	1/2	1,497.50	1/2	1,141.22	1/2	797.31	1/2	438.62	1/2	101.48	1/2		1/2		1/2	
3/4	2,208.15	3/4	1,849.11	3/4	1,490.02	3/4	1,133.83	3/4	790.08	3/4	431.14	3/4	94.08	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/02/2014 SW
CALCULATED: 04/16/2014 CL
RE PRINTED: 08/21/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

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



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