



BARGE CBC 409

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 192'-00"

November 8, 2007

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

<http://www.pmacorp.net>



BARGE CBC 409

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/2"

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.					
N	1/2	3/4	N	1/2	3/4	N	1/2	3/4	N	1/2	3/4	N	1/2	3/4	N	1/2	3/4	N	1/2	3/4	N	1/2	3/4	N	1/2	3/4	N	1/2	3/4	N	1/2	3/4
0			0			0			0			0			0			0			0			0			0			0		
1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4		
1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
1			1			1			1			1			1			1			1			1			1			1		
1 1/4			1 1/4			1 1/4			1 1/4			1 1/4			1 1/4			1 1/4			1 1/4			1 1/4			1 1/4			1 1/4		
1 1/2			1 1/2			1 1/2			1 1/2			1 1/2			1 1/2			1 1/2			1 1/2			1 1/2			1 1/2			1 1/2		
1 3/4			1 3/4			1 3/4			1 3/4			1 3/4			1 3/4			1 3/4			1 3/4			1 3/4			1 3/4			1 3/4		
2			2			2			2			2			2			2			2			2			2			2		
2 1/4			2 1/4			2 1/4			2 1/4			2 1/4			2 1/4			2 1/4			2 1/4			2 1/4			2 1/4			2 1/4		
2 1/2			2 1/2			2 1/2			2 1/2			2 1/2			2 1/2			2 1/2			2 1/2			2 1/2			2 1/2			2 1/2		
2 3/4			2 3/4			2 3/4			2 3/4			2 3/4			2 3/4			2 3/4			2 3/4			2 3/4			2 3/4			2 3/4		
3			3			3			3			3			3			3			3			3			3			3		
3 1/4			3 1/4			3 1/4			3 1/4			3 1/4			3 1/4			3 1/4			3 1/4			3 1/4			3 1/4			3 1/4		
3 1/2			3 1/2			3 1/2			3 1/2			3 1/2			3 1/2			3 1/2			3 1/2			3 1/2			3 1/2			3 1/2		
3 3/4			3 3/4			3 3/4			3 3/4			3 3/4			3 3/4			3 3/4			3 3/4			3 3/4			3 3/4			3 3/4		
4			4			4			4			4			4			4			4			4			4			4		
4 1/4			4 1/4			4 1/4			4 1/4			4 1/4			4 1/4			4 1/4			4 1/4			4 1/4			4 1/4			4 1/4		
4 1/2			4 1/2			4 1/2			4 1/2			4 1/2			4 1/2			4 1/2			4 1/2			4 1/2			4 1/2			4 1/2		
4 3/4			4 3/4			4 3/4			4 3/4			4 3/4			4 3/4			4 3/4			4 3/4			4 3/4			4 3/4			4 3/4		
5			5			5			5			5			5			5			5			5			5			5		
5 1/4			5 1/4			5 1/4			5 1/4			5 1/4			5 1/4			5 1/4			5 1/4			5 1/4			5 1/4			5 1/4		
5 1/2			5 1/2			5 1/2			5 1/2			5 1/2			5 1/2			5 1/2			5 1/2			5 1/2			5 1/2			5 1/2		
5 3/4			5 3/4			5 3/4			5 3/4			5 3/4			5 3/4			5 3/4			5 3/4			5 3/4			5 3/4			5 3/4		
6			6			6			6			6			6			6			6			6			6			6		
6 1/4			6 1/4			6 1/4			6 1/4			6 1/4			6 1/4			6 1/4			6 1/4			6 1/4			6 1/4			6 1/4		
6 1/2			6 1/2			6 1/2			6 1/2			6 1/2			6 1/2			6 1/2			6 1/2			6 1/2			6 1/2			6 1/2		
6 3/4			6 3/4			6 3/4			6 3/4			6 3/4			6 3/4			6 3/4			6 3/4			6 3/4			6 3/4			6 3/4		
7			7			7			7			7			7			7			7			7			7			7		
7 1/4			7 1/4			7 1/4			7 1/4			7 1/4			7 1/4			7 1/4			7 1/4			7 1/4			7 1/4			7 1/4		
7 1/2			7 1/2			7 1/2			7 1/2			7 1/2			7 1/2			7 1/2			7 1/2			7 1/2			7 1/2			7 1/2		
7 3/4			7 3/4			7 3/4			7 3/4			7 3/4			7 3/4			7 3/4			7 3/4			7 3/4			7 3/4			7 3/4		
8			8			8			8			8			8			8			8			8			8			8		
8 1/4			8 1/4			8 1/4			8 1/4			8 1/4			8 1/4			8 1/4			8 1/4			8 1/4			8 1/4			8 1/4		
8 1/2			8 1/2			8 1/2			8 1/2			8 1/2			8 1/2			8 1/2			8 1/2			8 1/2			8 1/2			8 1/2		
8 3/4			8 3/4			8 3/4			8 3/4			8 3/4			8 3/4			8 3/4			8 3/4			8 3/4			8 3/4			8 3/4		
9			9			9			9			9			9			9			9			9			9			9		
9 1/4			9 1/4			9 1/4			9 1/4			9 1/4			9 1/4			9 1/4			9 1/4			9 1/4			9 1/4			9 1/4		
9 1/2			9 1/2			9 1/2			9 1/2			9 1/2			9 1/2			9 1/2			9 1/2			9 1/2			9 1/2			9 1/2		
9 3/4			9 3/4			9 3/4			9 3/4			9 3/4			9 3/4			9 3/4			9 3/4			9 3/4			9 3/4			9 3/4		
10			10			10			10			10			10			10			10			10			10			10		
10 1/4			10 1/4			10 1/4			10 1/4			10 1/4			10 1/4			10 1/4			10 1/4			10 1/4			10 1/4			10 1/4		
10 1/2			10 1/2			10 1/2			10 1/2			10 1/2			10 1/2			10 1/2			10 1/2			10 1/2			10 1/2			10 1/2		
10 3/4			10 3/4			10 3/4			10 3/4			10 3/4			10 3/4			10 3/4			10 3/4			10 3/4			10 3/4			10 3/4		
11			11			11			11			11			11			11			11			11			11			11		
11 1/4			11 1/4			11 1/4			11 1/4			11 1/4			11 1/4			11 1/4			11 1/4			11 1/4			11 1/4			11 1/4		
11 1/2			11 1/2			11 1/2			11 1/2			11 1/2			11 1/2			11 1/2			11 1/2			11 1/2			11 1/2			11 1/2		
11 3/4			11 3/4			11 3/4			11 3/4			11 3/4			11 3/4			11 3/4			11 3/4			11 3/4			11 3/4			11 3/4		
12			12			12			12			12			12			12			12			12			12			12		
12 1/4			12 1/4			12 1/4			12 1/4			12 1/4			12 1/4			12 1/4			12 1/4			12 1/4			12 1/4			12 1/4		
12 1/2			12 1/2			12 1/2			12 1/2			12 1/2			12 1/2			12 1/2			12 1/2			12 1/2			12 1/2			12 1/2		
12 3/4			12 3/4			12 3/4			12 3/4			12 3/4			12 3/4			12 3/4			12 3/4			12 3/4			12 3/4			12 3/4		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 12'-00" OFF CENTERLINE AND 34'-00" FORWARD OF AFT BULKHEAD.

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BARGE CBC 409

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/2"

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	1,523.41	0	1,233.84	0	944.28	0	654.72	0	365.60	0	83.12	0		0		0		0	
1/4	1,517.38	1/4	1,227.81	1/4	938.25	1/4	648.69	1/4	359.57	1/4	77.65	1/4		1/4		1/4		1/4	
1/2	1,511.34	1/2	1,221.77	1/2	932.21	1/2	642.66	1/2	353.53	1/2	72.20	1/2		1/2		1/2		1/2	
3/4	1,505.31	3/4	1,215.74	3/4	926.18	3/4	636.63	3/4	347.50	3/4	66.79	3/4		3/4		3/4		3/4	
1	1,499.28	1	1,209.71	1	920.15	1	630.60	1	341.47	1	61.38	1		1		1		1	
1 1/4	1,493.25	1 1/4	1,203.68	1 1/4	914.12	1 1/4	624.57	1 1/4	335.44	1 1/4	55.97	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,487.21	1 1/2	1,197.64	1 1/2	908.08	1 1/2	618.55	1 1/2	329.40	1 1/2	50.77	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,481.18	3/4	1,191.61	3/4	902.05	3/4	612.53	3/4	323.37	3/4	45.79	3/4		3/4		3/4		3/4	
2	1,475.15	2	1,185.58	2	896.02	2	606.50	2	317.34	2	40.81	2		2		2		2	
2 1/4	1,469.12	2 1/4	1,179.55	2 1/4	889.99	2 1/4	600.48	2 1/4	311.31	2 1/4	35.83	2 1/4		2 1/4		2 1/4		2 1/4	
1/2	1,463.08	1/2	1,173.51	1/2	883.95	1/2	594.46	1/2	305.27	1/2	31.38	1/2		1/2		1/2		1/2	
3/4	1,457.05	3/4	1,167.48	3/4	877.92	3/4	588.44	3/4	299.24	3/4	27.45	3/4		3/4		3/4		3/4	
3	1,451.02	3	1,161.45	3	871.89	3	582.42	3	293.21	3	23.53	3		3		3		3	
3 1/4	1,444.99	3 1/4	1,155.42	3 1/4	865.86	3 1/4	576.40	3 1/4	287.18	3 1/4	19.60	3 1/4		3 1/4		3 1/4		3 1/4	
1/2	1,438.95	1/2	1,149.38	1/2	859.82	1/2	570.38	1/2	281.15	1/2	15.68	1/2		1/2		1/2		1/2	
3/4	1,432.92	3/4	1,143.35	3/4	853.79	3/4	564.36	3/4	275.12	3/4		3/4		3/4		3/4		3/4	
4	1,426.89	4	1,137.32	4	847.76	4	558.33	4	269.09	4		4		4		4		4	
4 1/4	1,420.86	4 1/4	1,131.29	4 1/4	841.73	4 1/4	552.31	4 1/4	263.06	4 1/4		4 1/4		4 1/4		4 1/4		4 1/4	
1/2	1,414.82	1/2	1,125.25	1/2	835.69	1/2	546.29	1/2	257.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,408.79	3/4	1,119.22	3/4	829.66	3/4	540.27	3/4	251.03	3/4		3/4		3/4		3/4		3/4	
5	1,402.76	5	1,113.19	5	823.63	5	534.24	5	245.02	5		5		5		5		5	
5 1/4	1,396.73	5 1/4	1,107.16	5 1/4	817.60	5 1/4	528.22	5 1/4	239.01	5 1/4		5 1/4		5 1/4		5 1/4		5 1/4	
1/2	1,390.69	1/2	1,101.12	1/2	811.56	1/2	522.20	1/2	233.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,384.66	3/4	1,095.09	3/4	805.53	3/4	516.18	3/4	227.03	3/4		3/4		3/4		3/4		3/4	
6	1,378.63	6	1,089.06	6	799.50	6	510.16	6	221.05	6		6		6		6		6	
6 1/4	1,372.60	6 1/4	1,083.03	6 1/4	793.47	6 1/4	504.14	6 1/4	215.07	6 1/4		6 1/4		6 1/4		6 1/4		6 1/4	
1/2	1,366.56	1/2	1,076.99	1/2	787.43	1/2	498.12	1/2	209.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,360.53	3/4	1,070.96	3/4	781.40	3/4	492.10	3/4	203.19	3/4		3/4		3/4		3/4		3/4	
7	1,354.50	7	1,064.93	7	775.37	7	486.07	7	197.27	7		7		7		7		7	
7 1/4	1,348.47	7 1/4	1,058.90	7 1/4	769.34	7 1/4	480.05	7 1/4	191.34	7 1/4		7 1/4		7 1/4		7 1/4		7 1/4	
1/2	1,342.43	1/2	1,052.86	1/2	763.30	1/2	474.03	1/2	185.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,336.40	3/4	1,046.83	3/4	757.27	3/4	468.01	3/4	179.60	3/4		3/4		3/4		3/4		3/4	
8	1,330.37	8	1,040.80	8	751.24	8	461.99	8	173.75	8		8		8		8		8	
8 1/4	1,324.34	8 1/4	1,034.77	8 1/4	745.21	8 1/4	455.97	8 1/4	167.90	8 1/4		8 1/4		8 1/4		8 1/4		8 1/4	
1/2	1,318.30	1/2	1,028.73	1/2	739.17	1/2	449.95	1/2	162.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,312.27	3/4	1,022.70	3/4	733.14	3/4	443.93	3/4	156.33	3/4		3/4		3/4		3/4		3/4	
9	1,306.23	9	1,016.67	9	727.10	9	437.90	9	150.56	9		9		9		9		9	
9 1/4	1,300.20	9 1/4	1,010.64	9 1/4	721.07	9 1/4	431.88	9 1/4	144.80	9 1/4		9 1/4		9 1/4		9 1/4		9 1/4	
1/2	1,294.16	1/2	1,004.60	1/2	715.03	1/2	425.86	1/2	139.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,288.13	3/4	998.57	3/4	709.00	3/4	419.84	3/4	133.41	3/4		3/4		3/4		3/4		3/4	
10	1,282.10	10	992.54	10	702.97	10	413.82	10	127.74	10		10		10		10		10	
10 1/4	1,276.07	10 1/4	986.51	10 1/4	696.94	10 1/4	407.80	10 1/4	122.07	10 1/4		10 1/4		10 1/4		10 1/4		10 1/4	
1/2	1,270.03	1/2	980.47	1/2	690.90	1/2	401.78	1/2	116.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,264.00	3/4	974.44	3/4	684.87	3/4	395.75	3/4	110.82	3/4		3/4		3/4		3/4		3/4	
11	1,257.97	11	968.41	11	678.84	11	389.72	11	105.21	11		11		11		11		11	
11 1/4	1,251.94	11 1/4	962.38	11 1/4	672.81	11 1/4	383.69	11 1/4	99.60	11 1/4		11 1/4		11 1/4		11 1/4		11 1/4	
1/2	1,245.90	1/2	956.34	1/2	666.78	1/2	377.66	1/2	94.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,239.87	3/4	950.31	3/4	660.75	3/4	371.63	3/4	88.59	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/02/1992 SI
DECK MEASUREMENTS: 11/07/2007 CL
REPRINTED: 11/12/2007 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2007

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



BARGE CBC 409

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	
0	0	0	0	0	0	3,540.03	0	3,252.29	0	2,963.74	0	2,674.23	0	2,384.64	0	2,095.05	0	1,805.47		
1/4	1/4	1/4	1/4	1/4	1/4	3,534.04	1/4	3,246.29	1/4	2,957.71	1/4	2,668.19	1/4	2,378.60	1/4	2,089.01	1/4	1,799.43		
1/2	1/2	1/2	1/2	1/2	1/2	3,528.05	1/2	3,240.30	1/2	2,951.68	1/2	2,662.16	1/2	2,372.57	1/2	2,082.98	1/2	1,793.40		
3/4	3/4	3/4	3/4	3/4	3/4	3,522.05	3/4	3,234.30	3/4	2,945.65	3/4	2,656.12	3/4	2,366.53	3/4	2,076.95	3/4	1,787.37		
1	1	1	1	1	1	3,516.06	1	3,228.31	1	2,939.62	1	2,650.09	1	2,360.50	1	2,070.92	1	1,781.34		
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,510.06	1 1/4	3,222.31	1 1/4	2,933.58	1 1/4	2,644.05	1 1/4	2,354.46	1 1/4	2,064.88	1 1/4	1,775.30		
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,504.07	1 1/2	3,216.32	1 1/2	2,927.55	1 1/2	2,638.02	1 1/2	2,348.43	1 1/2	2,058.85	1 1/2	1,769.27		
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3,498.07	3 1/4	3,210.32	3 1/4	2,921.52	3 1/4	2,631.99	3 1/4	2,342.40	3 1/4	2,052.82	3 1/4	1,763.23		
2	2	2	2	2	2	3,492.08	2	3,204.33	2	2,915.49	2	2,625.96	2	2,336.37	2	2,046.79	2	1,757.20		
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,486.08	1 1/4	3,198.33	1 1/4	2,909.45	1 1/4	2,619.92	1 1/4	2,330.33	1 1/4	2,040.75	1 1/4	1,751.16		
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,480.09	1 1/2	3,192.34	1 1/2	2,903.42	1 1/2	2,613.89	1 1/2	2,324.30	1 1/2	2,034.72	1 1/2	1,745.13		
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3,474.10	3 1/4	3,186.34	3 1/4	2,897.39	3 1/4	2,607.85	3 1/4	2,318.27	3 1/4	2,028.69	3 1/4	1,739.10		
3	3	3	3	3	3	3,468.11	3	3,180.35	3	2,891.36	3	2,601.82	3	2,312.24	3	2,022.66	3	1,733.07		
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,462.11	1 1/4	3,174.35	1 1/4	2,885.33	1 1/4	2,595.78	1 1/4	2,306.20	1 1/4	2,016.62	1 1/4	1,727.03		
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,456.12	1 1/2	3,168.36	1 1/2	2,879.30	1 1/2	2,589.75	1 1/2	2,300.17	1 1/2	2,010.59	1 1/2	1,721.00		
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3,450.12	3 1/4	3,162.37	3 1/4	2,873.27	3 1/4	2,583.72	3 1/4	2,294.14	3 1/4	2,004.55	3 1/4	1,714.97		
4	4	4	4	4	4	3,444.13	4	3,156.38	4	2,867.24	4	2,577.69	4	2,288.11	4	1,998.52	4	1,708.94		
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,438.13	1 1/4	3,150.38	1 1/4	2,861.20	1 1/4	2,571.65	1 1/4	2,282.07	1 1/4	1,992.48	1 1/4	1,702.90		
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,432.14	1 1/2	3,144.39	1 1/2	2,855.17	1 1/2	2,565.62	1 1/2	2,276.04	1 1/2	1,986.45	1 1/2	1,696.87		
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3,426.14	3 1/4	3,138.39	3 1/4	2,849.14	3 1/4	2,559.59	3 1/4	2,270.01	3 1/4	1,980.42	3 1/4	1,690.84		
5	5	5	5	5	5	3,420.15	5	3,132.40	5	2,843.11	5	2,553.56	5	2,263.98	5	1,974.39	5	1,684.81		
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,643.15	1 1/4	3,414.15	1 1/4	3,126.40	1 1/4	2,837.07	1 1/4	2,547.52	1 1/4	2,257.94	1 1/4	1,968.35	1 1/4	1,678.77
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,642.07	1 1/2	3,408.16	1 1/2	3,120.41	1 1/2	2,831.04	1 1/2	2,541.49	1 1/2	2,251.91	1 1/2	1,962.32	1 1/2	1,672.74
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3,640.99	3 1/4	3,402.16	3 1/4	3,114.41	3 1/4	2,825.01	3 1/4	2,535.46	3 1/4	2,245.87	3 1/4	1,956.29	3 1/4	1,666.71
6	6	6	6	6	6	3,639.91	6	3,396.17	6	3,108.42	6	2,818.98	6	2,529.43	6	2,239.84	6	1,950.26	6	1,660.68
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,638.39	1 1/4	3,390.17	1 1/4	3,102.41	1 1/4	2,812.95	1 1/4	2,523.39	1 1/4	2,233.80	1 1/4	1,944.22	1 1/4	1,654.64
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,636.43	1 1/2	3,384.18	1 1/2	3,096.39	1 1/2	2,806.92	1 1/2	2,517.36	1 1/2	2,227.77	1 1/2	1,938.19	1 1/2	1,648.61
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3,634.47	3 1/4	3,378.18	3 1/4	3,090.38	3 1/4	2,800.89	3 1/4	2,511.33	3 1/4	2,221.74	3 1/4	1,932.16	3 1/4	1,642.57
7	7	7	7	7	7	3,632.51	7	3,372.19	7	3,084.36	7	2,794.86	7	2,505.30	7	2,215.71	7	1,926.13	7	1,636.54
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,630.05	1 1/4	3,366.19	1 1/4	3,078.34	1 1/4	2,788.82	1 1/4	2,499.26	1 1/4	2,209.67	1 1/4	1,920.09	1 1/4	1,630.50
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,627.08	1 1/2	3,360.20	1 1/2	3,072.31	1 1/2	2,782.79	1 1/2	2,493.23	1 1/2	2,203.64	1 1/2	1,914.06	1 1/2	1,624.47
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3,624.12	3 1/4	3,354.20	3 1/4	3,066.28	3 1/4	2,776.76	3 1/4	2,487.19	3 1/4	2,197.61	3 1/4	1,908.03	3 1/4	1,618.44
8	8	8	8	8	8	3,621.15	8	3,348.21	8	3,060.25	8	2,770.73	8	2,481.16	8	2,191.58	8	1,902.00	8	1,612.41
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,617.68	1 1/4	3,342.21	1 1/4	3,054.21	1 1/4	2,764.69	1 1/4	2,475.12	1 1/4	2,185.54	1 1/4	1,895.96	1 1/4	1,606.37
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,613.70	1 1/2	3,336.22	1 1/2	3,048.18	1 1/2	2,758.66	1 1/2	2,469.09	1 1/2	2,179.51	1 1/2	1,889.93	1 1/2	1,600.34
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3,609.72	3 1/4	3,330.22	3 1/4	3,042.15	3 1/4	2,752.63	3 1/4	2,463.06	3 1/4	2,173.48	3 1/4	1,883.89	3 1/4	1,594.31
9	9	9	9	9	9	3,605.74	9	3,324.23	9	3,036.12	9	2,746.60	9	2,457.03	9	2,167.45	9	1,877.86	9	1,588.28
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,601.26	1 1/4	3,318.23	1 1/4	3,030.08	1 1/4	2,740.56	1 1/4	2,450.99	1 1/4	2,161.41	1 1/4	1,871.82	1 1/4	1,582.24
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,596.27	1 1/2	3,312.24	1 1/2	3,024.05	1 1/2	2,734.53	1 1/2	2,444.96	1 1/2	2,155.38	1 1/2	1,865.79	1 1/2	1,576.21
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3,591.28	3 1/4	3,306.24	3 1/4	3,018.02	3 1/4	2,728.50	3 1/4	2,438.93	3 1/4	2,149.35	3 1/4	1,859.76	3 1/4	1,570.18
10	10	10	10	10	10	3,586.29	10	3,300.25	10	3,011.99	10	2,722.47	10	2,432.90	10	2,143.32	10	1,853.73	10	1,564.15
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,580.94	1 1/4	3,294.25	1 1/4	3,005.96	1 1/4	2,716.44	1 1/4	2,426.86	1 1/4	2,137.28	1 1/4	1,847.69	1 1/4	1,558.11
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,575.22	1 1/2	3,288.26	1 1/2	2,999.93	1 1/2	2,710.41	1 1/2	2,420.83	1 1/2	2,131.25	1 1/2	1,841.66	1 1/2	1,552.08
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3,569.51	3 1/4	3,282.26	3 1/4	2,993.90	3 1/4	2,704.38	3 1/4	2,414.80	3 1/4	2,125.21	3 1/4	1,835.63	3 1/4	1,546.05
11	11	11	11	11	11	3,563.79	11	3,276.27	11	2,987.87	11	2,698.35	11	2,408.77	11	2,119.18	11	1,829.60	11	1,540.02
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,557.94	1 1/4	3,270.27	1 1/4	2,981.83	1 1/4	2,692.32	1 1/4	2,402.73	1 1/4	2,113.14	1 1/4	1,823.56	1 1/4	1,533.98
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,551.97	1 1/2	3,264.28	1 1/2	2,975.80	1 1/2	2,686.29	1 1/2	2,396.70	1 1/2	2,107.11	1 1/2	1,817.53	1 1/2	1,527.95
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3,546.00	3 1/4	3,258.28	3 1/4	2,969.77	3 1/4	2,680.26	3 1/4	2,390.67	3 1/4	2,101.08	3 1/4	1,811.50	3 1/4	1,521.91

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 12'-00" OFF CENTERLINE AND 34'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE CBC 409

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/4"

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	1,515.88	0	1,226.30	0	936.72	0	647.13	0	359.46	0	77.65	0		0		0		0	
1/4	1,509.84	1/4	1,220.26	1/4	930.68	1/4	641.11	1/4	353.42	1/4	72.19	1/4		1/4		1/4		1/4	
1/2	1,503.81	1/2	1,214.23	1/2	924.65	1/2	635.10	1/2	347.39	1/2	66.78	1/2		1/2		1/2		1/2	
3/4	1,497.78	3/4	1,208.20	3/4	918.61	3/4	629.10	3/4	341.36	3/4	61.36	3/4		3/4		3/4		3/4	
1	1,491.75	1	1,202.17	1	912.58	1	623.09	1	335.33	1	55.95	1		1		1		1	
1 1/4	1,485.71	1 1/4	1,196.13	1 1/4	906.54	1 1/4	617.10	1 1/4	329.29	1 1/4	50.75	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,479.68	1 1/2	1,190.10	1 1/2	900.51	1 1/2	611.11	1 1/2	323.26	1 1/2	45.77	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,473.65	3/4	1,184.07	3/4	894.48	3/4	605.12	3/4	317.23	3/4	40.79	3/4		3/4		3/4		3/4	
2	1,467.62	2	1,178.04	2	888.45	2	599.13	2	311.20	2	35.81	2		2		2		2	
1 1/4	1,461.58	1 1/4	1,172.00	1 1/4	882.41	1 1/4	593.15	1 1/4	305.16	1 1/4	31.36	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,455.55	1 1/2	1,165.97	1 1/2	876.38	1 1/2	587.16	1 1/2	299.13	1 1/2	27.43	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,449.52	3/4	1,159.93	3/4	870.35	3/4	581.18	3/4	293.10	3/4	23.51	3/4		3/4		3/4		3/4	
3	1,443.49	3	1,153.90	3	864.32	3	575.19	3	287.07	3	19.58	3		3		3		3	
1 1/4	1,437.45	1 1/4	1,147.86	1 1/4	858.28	1 1/4	569.21	1 1/4	281.04	1 1/4	15.66	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,431.42	1 1/2	1,141.83	1 1/2	852.25	1 1/2	563.22	1 1/2	275.02	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,425.39	3/4	1,135.80	3/4	846.22	3/4	557.24	3/4	268.99	3/4		3/4		3/4		3/4		3/4	
4	1,419.36	4	1,129.77	4	840.19	4	551.25	4	262.97	4		4		4		4		4	
1 1/4	1,413.32	1 1/4	1,123.73	1 1/4	834.15	1 1/4	545.27	1 1/4	256.96	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,407.29	1 1/2	1,117.70	1 1/2	828.12	1 1/2	539.28	1 1/2	250.95	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,401.25	3/4	1,111.67	3/4	822.09	3/4	533.29	3/4	244.95	3/4		3/4		3/4		3/4		3/4	
5	1,395.22	5	1,105.64	5	816.06	5	527.30	5	238.94	5		5		5		5		5	
1 1/4	1,389.18	1 1/4	1,099.60	1 1/4	810.02	1 1/4	521.32	1 1/4	232.96	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,383.15	1 1/2	1,093.57	1 1/2	803.99	1 1/2	515.33	1 1/2	226.99	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,377.12	3/4	1,087.54	3/4	797.95	3/4	509.35	3/4	221.02	3/4		3/4		3/4		3/4		3/4	
6	1,371.09	6	1,081.51	6	791.92	6	503.36	6	215.05	6		6		6		6		6	
1 1/4	1,365.05	1 1/4	1,075.47	1 1/4	785.88	1 1/4	497.38	1 1/4	209.10	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,359.02	1 1/2	1,069.44	1 1/2	779.85	1 1/2	491.39	1 1/2	203.18	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,352.99	3/4	1,063.41	3/4	773.82	3/4	485.41	3/4	197.25	3/4		3/4		3/4		3/4		3/4	
7	1,346.96	7	1,057.38	7	767.79	7	479.42	7	191.33	7		7		7		7		7	
1 1/4	1,340.92	1 1/4	1,051.34	1 1/4	761.75	1 1/4	473.44	1 1/4	185.45	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,334.89	1 1/2	1,045.31	1 1/2	755.72	1 1/2	467.45	1 1/2	179.60	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,328.86	3/4	1,039.27	3/4	749.69	3/4	461.47	3/4	173.75	3/4		3/4		3/4		3/4		3/4	
8	1,322.83	8	1,033.24	8	743.66	8	455.48	8	167.90	8		8		8		8		8	
1 1/4	1,316.79	1 1/4	1,027.20	1 1/4	737.62	1 1/4	449.50	1 1/4	162.09	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,310.76	1 1/2	1,021.17	1 1/2	731.59	1 1/2	443.51	1 1/2	156.32	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,304.73	3/4	1,015.14	3/4	725.56	3/4	437.53	3/4	150.56	3/4		3/4		3/4		3/4		3/4	
9	1,298.70	9	1,009.11	9	719.53	9	431.54	9	144.79	9		9		9		9		9	
1 1/4	1,292.66	1 1/4	1,003.07	1 1/4	713.49	1 1/4	425.56	1 1/4	139.08	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,286.63	1 1/2	997.04	1 1/2	707.46	1 1/2	419.57	1 1/2	133.41	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,280.59	3/4	991.01	3/4	701.43	3/4	413.59	3/4	127.74	3/4		3/4		3/4		3/4		3/4	
10	1,274.56	10	984.98	10	695.40	10	407.60	10	122.07	10		10		10		10		10	
1 1/4	1,268.52	1 1/4	978.94	1 1/4	689.36	1 1/4	401.61	1 1/4	116.44	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,262.49	1 1/2	972.91	1 1/2	683.33	1 1/2	395.60	1 1/2	110.85	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,256.46	3/4	966.88	3/4	677.29	3/4	389.59	3/4	105.27	3/4		3/4		3/4		3/4		3/4	
11	1,250.43	11	960.85	11	671.26	11	383.58	11	99.68	11		11		11		11		11	
1 1/4	1,244.39	1 1/4	954.81	1 1/4	665.22	1 1/4	377.55	1 1/4	94.14	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,238.36	1 1/2	948.78	1 1/2	659.19	1 1/2	371.52	1 1/2	88.64	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,232.33	3/4	942.75	3/4	653.16	3/4	365.49	3/4	83.15	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/02/1992 SI
DECK MEASUREMENTS: 11/07/2007 CL
REPRINTED: 11/12/2007 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE CBC 409

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 12'-00" OFF CENTERLINE AND 34'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2082
 Pearland, Texas 77588
<http://www.pmscorp.net>



BARGE CBC 409

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	1,603.80	1,300.06	996.33	692.60	389.31	85.65				
1/4	1,597.47	1,293.73	990.00	686.28	382.98	79.32				
1/2	1,591.15	1,287.41	983.68	679.96	376.66	73.00				
3/4	1,584.82	1,281.08	977.35	673.63	370.33	66.67				
1	1,578.49	1,274.75	971.02	667.31	364.00	60.34				
1 1/4	1,572.16	1,268.42	964.69	660.99	357.67	54.51				
1 1/2	1,565.84	1,262.10	958.37	654.68	351.35	48.68				
1 3/4	1,559.51	1,255.77	952.04	648.36	345.02	42.84				
2	1,553.18	1,249.44	945.71	642.04	338.69	37.01				
1 1/4	1,546.85	1,243.11	939.38	635.73	332.36	32.46				
1 1/2	1,540.53	1,236.79	933.06	629.41	326.04	27.92				
1 3/4	1,534.20	1,230.46	926.73	623.10	319.71	23.37				
3	1,527.87	1,224.13	920.40	616.78	313.38	18.82				
1 1/4	1,521.54	1,217.80	914.07	610.46	307.06					
1 1/2	1,515.21	1,211.48	907.75	604.15	300.74					
1 3/4	1,508.88	1,205.15	901.42	597.83	294.41					
4	1,502.55	1,198.82	895.09	591.51	288.09					
1 1/4	1,496.22	1,192.49	888.76	585.20	281.77					
1 1/2	1,489.90	1,186.17	882.43	578.88	275.45					
1 3/4	1,483.57	1,179.84	876.10	572.57	269.12					
5	1,477.24	1,173.51	869.77	566.25	262.80					
1 1/4	1,470.91	1,167.18	863.44	559.93	256.48					
1 1/2	1,464.59	1,160.86	857.12	553.62	250.16					
1 3/4	1,458.26	1,154.53	850.79	547.30	243.83					
6	1,451.93	1,148.20	844.46	540.98	237.51					
1 1/4	1,445.60	1,141.87	838.13	534.67	231.18					
1 1/2	1,439.28	1,135.55	831.81	528.35	224.86					
1 3/4	1,432.95	1,129.22	825.48	522.04	218.53					
7	1,426.62	1,122.89	819.15	515.72	212.20					
1 1/4	1,420.29	1,116.56	812.82	509.40	205.87					
1 1/2	1,413.97	1,110.24	806.50	503.09	199.55					
1 3/4	1,407.64	1,103.91	800.17	496.77	193.22					
8	1,401.31	1,097.58	793.84	490.45	186.89					
1 1/4	1,394.98	1,091.25	787.51	484.13	180.56					
1 1/2	1,388.66	1,084.92	781.19	477.82	174.24					
1 3/4	1,382.33	1,078.59	774.86	471.50	167.91					
9	1,376.00	1,072.26	768.53	465.18	161.58					
1 1/4	1,369.67	1,065.93	762.20	458.87	155.25					
1 1/2	1,363.35	1,059.61	755.88	452.55	148.93					
1 3/4	1,357.02	1,053.28	749.55	446.24	142.60					
10	1,350.69	1,046.95	743.22	439.92	136.27					
1 1/4	1,344.36	1,040.62	736.89	433.60	129.94					
1 1/2	1,338.04	1,034.30	730.57	427.28	123.62					
1 3/4	1,331.71	1,027.97	724.24	420.95	117.29					
11	1,325.38	1,021.64	717.91	414.63	110.96					
1 1/4	1,319.05	1,015.31	711.58	408.30	104.63					
1 1/2	1,312.72	1,008.99	705.26	401.97	98.31					
1 3/4	1,306.39	1,002.66	698.93	395.64	91.98					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/02/1992 SI
DECK MEASUREMENTS: 11/07/2007 CL
REPRINTED: 11/12/2007 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE CBC 409

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0
							3,707.22		3,405.95		3,103.81		2,800.75		2,497.62		2,194.40		1,891.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,700.94	1/4	3,399.67	1/4	3,097.49	1/4	2,794.43	1/4	2,491.31	1/4	2,188.20	1/4	1,885.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,694.67	1/2	3,393.40	1/2	3,091.18	1/2	2,788.11	1/2	2,484.99	1/2	2,181.88	1/2	1,878.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,688.39	3/4	3,387.12	3/4	3,084.87	3/4	2,781.79	3/4	2,478.68	3/4	2,175.57	3/4	1,872.46		
1	1	1	1	1	1	1	3,682.11	1	3,380.84	1	3,078.55	1	2,775.47	1	2,472.36	1	2,169.25	1	1,866.14		
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,675.84	1 1/4	3,374.56	1 1/4	3,072.24	1 1/4	2,769.16	1 1/4	2,466.05	1 1/4	2,162.94	1 1/4	1,859.83		
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,669.56	1 1/2	3,368.29	1 1/2	3,065.92	1 1/2	2,762.84	1 1/2	2,459.73	1 1/2	2,156.62	1 1/2	1,853.51		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,663.28	3/4	3,362.01	3/4	3,059.61	3/4	2,756.53	3/4	2,453.42	3/4	2,150.31	3/4	1,847.20		
2	2	2	2	2	2	2	3,657.01	2	3,355.73	2	3,053.30	2	2,750.21	2	2,447.10	2	2,143.99	2	1,840.88		
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,650.73	1 1/4	3,349.46	1 1/4	3,046.98	1 1/4	2,743.90	1 1/4	2,440.79	1 1/4	2,137.68	1 1/4	1,834.57		
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,644.46	1 1/2	3,343.18	1 1/2	3,040.67	1 1/2	2,737.58	1 1/2	2,434.47	1 1/2	2,131.36	1 1/2	1,828.25		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,638.18	3/4	3,336.91	3/4	3,034.36	3/4	2,731.27	3/4	2,428.16	3/4	2,125.05	3/4	1,821.94		
3	3	3	3	3	3	3	3,631.90	3	3,330.63	3	3,028.05	3	2,724.95	3	2,421.84	3	2,118.73	3	1,815.62		
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,625.63	1 1/4	3,324.35	1 1/4	3,021.73	1 1/4	2,718.64	1 1/4	2,415.53	1 1/4	2,112.42	1 1/4	1,809.31		
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,619.35	1 1/2	3,318.08	1 1/2	3,015.42	1 1/2	2,712.32	1 1/2	2,409.21	1 1/2	2,106.10	1 1/2	1,802.99		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,613.07	3/4	3,311.80	3/4	3,009.11	3/4	2,706.01	3/4	2,402.90	3/4	2,099.79	3/4	1,796.68		
4	4	4	4	4	4	4	3,606.80	4	3,305.52	4	3,002.79	4	2,699.69	4	2,396.58	4	2,093.47	4	1,790.36		
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,600.52	1 1/4	3,299.25	1 1/4	2,996.48	1 1/4	2,693.38	1 1/4	2,390.27	1 1/4	2,087.16	1 1/4	1,784.05		
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,594.25	1 1/2	3,292.97	1 1/2	2,990.16	1 1/2	2,687.06	1 1/2	2,383.95	1 1/2	2,080.84	1 1/2	1,777.73		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,587.97	3/4	3,286.70	3/4	2,983.85	3/4	2,680.75	3/4	2,377.64	3/4	2,074.53	3/4	1,771.42		
5	5	5	5	5	5	5	3,581.69	5	3,280.42	5	2,977.54	5	2,674.43	5	2,371.32	5	2,068.21	5	1,765.10		
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,575.41	1 1/4	3,274.14	1 1/4	2,971.22	1 1/4	2,668.12	1 1/4	2,365.01	1 1/4	2,061.90	1 1/4	1,758.79		
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,569.14	1 1/2	3,267.87	1 1/2	2,964.91	1 1/2	2,661.80	1 1/2	2,358.69	1 1/2	2,055.58	1 1/2	1,752.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,562.86	3/4	3,261.59	3/4	2,958.60	3/4	2,655.49	3/4	2,352.38	3/4	2,049.27	3/4	1,746.16		
6	6	6	6	6	6	6	3,556.58	6	3,255.29	6	2,952.28	6	2,649.17	6	2,346.06	6	2,042.95	6	1,739.84		
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,550.31	1 1/4	3,248.99	1 1/4	2,945.97	1 1/4	2,642.86	1 1/4	2,339.75	1 1/4	2,036.64	1 1/4	1,733.53		
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,544.03	1 1/2	3,242.69	1 1/2	2,939.65	1 1/2	2,636.54	1 1/2	2,333.43	1 1/2	2,030.32	1 1/2	1,727.21		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,537.75	3/4	3,236.39	3/4	2,933.34	3/4	2,630.23	3/4	2,327.12	3/4	2,024.01	3/4	1,720.90		
7	7	7	7	7	7	7	3,531.48	7	3,230.08	7	2,927.03	7	2,623.91	7	2,320.80	7	2,017.69	7	1,714.58		
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,525.20	1 1/4	3,223.76	1 1/4	2,920.71	1 1/4	2,617.60	1 1/4	2,314.49	1 1/4	2,011.38	1 1/4	1,708.27		
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,518.93	1 1/2	3,217.45	1 1/2	2,914.40	1 1/2	2,611.28	1 1/2	2,308.17	1 1/2	2,005.06	1 1/2	1,701.95		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,512.65	3/4	3,211.14	3/4	2,908.09	3/4	2,604.97	3/4	2,301.86	3/4	1,998.75	3/4	1,695.64		
8	8	8	8	8	8	8	3,506.37	8	3,204.83	8	2,901.77	8	2,598.65	8	2,295.54	8	1,992.43	8	1,689.32		
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,500.10	1 1/4	3,198.51	1 1/4	2,895.46	1 1/4	2,592.34	1 1/4	2,289.23	1 1/4	1,987.12	1 1/4	1,683.01		
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,493.82	1 1/2	3,192.20	1 1/2	2,889.14	1 1/2	2,586.02	1 1/2	2,282.91	1 1/2	1,979.80	1 1/2	1,676.69		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,487.54	3/4	3,185.89	3/4	2,882.83	3/4	2,579.71	3/4	2,276.60	3/4	1,973.49	3/4	1,670.38		
9	9	9	9	9	9	9	3,481.27	9	3,179.57	9	2,876.52	9	2,573.39	9	2,270.28	9	1,967.17	9	1,664.06		
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,474.99	1 1/4	3,173.26	1 1/4	2,870.20	1 1/4	2,567.08	1 1/4	2,263.97	1 1/4	1,960.86	1 1/4	1,657.75		
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,468.72	1 1/2	3,166.94	1 1/2	2,863.89	1 1/2	2,560.76	1 1/2	2,257.65	1 1/2	1,954.54	1 1/2	1,651.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,462.44	3/4	3,160.63	3/4	2,857.58	3/4	2,554.45	3/4	2,251.34	3/4	1,948.23	3/4	1,645.12		
10	10	10	10	10	10	10	3,456.16	10	3,154.32	10	2,851.26	10	2,548.14	10	2,245.03	10	1,941.91	10	1,638.80		
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,450.76	1 1/4	3,149.88	1 1/4	2,844.95	1 1/4	2,541.82	1 1/4	2,238.71	1 1/4	1,935.60	1 1/4	1,632.49		
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,443.81	1 1/2	3,141.69	1 1/2	2,838.63	1 1/2	2,535.51	1 1/2	2,232.40	1 1/2	1,929.28	1 1/2	1,626.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,437.33	3/4	3,135.38	3/4	2,832.32	3/4	2,529.20	3/4	2,226.09	3/4	1,922.97	3/4	1,619.86		
11	11	11	11	11	11	11	3,431.05	11	3,129.06	11	2,826.01	11	2,522.88	11	2,219.77	11	1,916.66	11	1,613.55		
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,424.78	1 1/4	3,122.75	1 1/4	2,819.69	1 1/4	2,516.57	1 1/4	2,213.46	1 1/4	1,910.34	1 1/4	1,607.23		
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,418.50	1 1/2	3,116.43	1 1/2	2,813.38	1 1/2	2,510.25	1 1/2	2,207.14	1 1/2	1,904.03	1 1/2	1,600.92		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,412.23	3/4	3,110.12	3/4	2,807.07	3/4	2,503.94	3/4	2,200.83	3/4	1,897.72	3/4	1,594.61		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 12'-00" OFF CENTERLINE AND 34'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE CBC 409

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	1,588.29	0	1,285.18	0	982.07	0	678.95	0	381.20	0	79.17	0		0		0		0	
1/4	1,581.98	1/4	1,278.86	1/4	975.75	1/4	672.64	1/4	374.89	1/4	72.86	1/4		1/4		1/4		1/4	
1/2	1,575.66	1/2	1,272.55	1/2	969.44	1/2	666.32	1/2	368.57	1/2	66.54	1/2		1/2		1/2		1/2	
3/4	1,569.35	3/4	1,266.24	3/4	963.13	3/4	660.01	3/4	362.26	3/4	60.23	3/4		3/4		3/4		3/4	
1	1,563.03	1	1,259.92	1	956.81	1	653.70	1	355.94	1	54.41	1		1		1		1	
1 1/4	1,556.72	1 1/4	1,253.61	1 1/4	950.50	1 1/4	647.38	1 1/4	349.63	1 1/4	48.59	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,550.40	1 1/2	1,247.29	1 1/2	944.18	1 1/2	641.07	1 1/2	343.31	1 1/2	42.77	1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	1,544.09	1 3/4	1,240.98	1 3/4	937.87	1 3/4	634.76	1 3/4	337.00	1 3/4	36.95	1 3/4		1 3/4		1 3/4		1 3/4	
2	1,537.77	2	1,234.66	2	931.55	2	628.44	2	330.69	2	32.41	2		2		2		2	
2 1/4	1,531.46	2 1/4	1,228.35	2 1/4	925.24	2 1/4	622.13	2 1/4	324.37	2 1/4	27.87	2 1/4		2 1/4		2 1/4		2 1/4	
2 1/2	1,525.14	2 1/2	1,222.03	2 1/2	918.92	2 1/2	615.81	2 1/2	318.06	2 1/2	23.33	2 1/2		2 1/2		2 1/2		2 1/2	
2 3/4	1,518.83	2 3/4	1,215.72	2 3/4	912.61	2 3/4	609.50	2 3/4	311.75	2 3/4	18.79	2 3/4		2 3/4		2 3/4		2 3/4	
3	1,512.51	3	1,209.40	3	906.29	3	603.18	3	305.49	3		3		3		3		3	
3 1/4	1,506.20	3 1/4	1,203.09	3 1/4	899.98	3 1/4	596.87	3 1/4	299.23	3 1/4		3 1/4		3 1/4		3 1/4		3 1/4	
3 1/2	1,499.88	3 1/2	1,196.77	3 1/2	893.66	3 1/2	590.55	3 1/2	292.97	3 1/2		3 1/2		3 1/2		3 1/2		3 1/2	
3 3/4	1,493.57	3 3/4	1,190.46	3 3/4	887.35	3 3/4	584.24	3 3/4	286.71	3 3/4		3 3/4		3 3/4		3 3/4		3 3/4	
4	1,487.25	4	1,184.14	4	881.03	4	577.92	4	280.48	4		4		4		4		4	
4 1/4	1,480.94	4 1/4	1,177.83	4 1/4	874.72	4 1/4	571.61	4 1/4	274.26	4 1/4		4 1/4		4 1/4		4 1/4		4 1/4	
4 1/2	1,474.62	4 1/2	1,171.51	4 1/2	868.40	4 1/2	565.29	4 1/2	268.03	4 1/2		4 1/2		4 1/2		4 1/2		4 1/2	
4 3/4	1,468.31	4 3/4	1,165.20	4 3/4	862.09	4 3/4	558.98	4 3/4	261.81	4 3/4		4 3/4		4 3/4		4 3/4		4 3/4	
5	1,461.99	5	1,158.88	5	855.77	5	552.63	5	255.58	5		5		5		5		5	
5 1/4	1,455.68	5 1/4	1,152.57	5 1/4	849.46	5 1/4	546.68	5 1/4	249.36	5 1/4		5 1/4		5 1/4		5 1/4		5 1/4	
5 1/2	1,449.36	5 1/2	1,146.25	5 1/2	843.14	5 1/2	540.54	5 1/2	243.13	5 1/2		5 1/2		5 1/2		5 1/2		5 1/2	
5 3/4	1,443.05	5 3/4	1,139.94	5 3/4	836.83	5 3/4	534.39	5 3/4	236.91	5 3/4		5 3/4		5 3/4		5 3/4		5 3/4	
6	1,436.73	6	1,133.62	6	830.51	6	528.34	6	230.63	6		6		6		6		6	
6 1/4	1,430.42	6 1/4	1,127.31	6 1/4	824.20	6 1/4	522.29	6 1/4	224.34	6 1/4		6 1/4		6 1/4		6 1/4		6 1/4	
6 1/2	1,424.10	6 1/2	1,120.99	6 1/2	817.88	6 1/2	516.25	6 1/2	218.06	6 1/2		6 1/2		6 1/2		6 1/2		6 1/2	
6 3/4	1,417.79	6 3/4	1,114.68	6 3/4	811.57	6 3/4	510.20	6 3/4	211.78	6 3/4		6 3/4		6 3/4		6 3/4		6 3/4	
7	1,411.47	7	1,108.36	7	805.25	7	504.15	7	205.47	7		7		7		7		7	
7 1/4	1,405.16	7 1/4	1,102.05	7 1/4	798.94	7 1/4	498.10	7 1/4	199.15	7 1/4		7 1/4		7 1/4		7 1/4		7 1/4	
7 1/2	1,398.84	7 1/2	1,095.73	7 1/2	792.62	7 1/2	492.06	7 1/2	192.84	7 1/2		7 1/2		7 1/2		7 1/2		7 1/2	
7 3/4	1,392.53	7 3/4	1,089.42	7 3/4	786.31	7 3/4	486.01	7 3/4	186.53	7 3/4		7 3/4		7 3/4		7 3/4		7 3/4	
8	1,386.21	8	1,083.10	8	779.99	8	479.96	8	180.21	8		8		8		8		8	
8 1/4	1,379.90	8 1/4	1,076.79	8 1/4	773.68	8 1/4	473.92	8 1/4	173.90	8 1/4		8 1/4		8 1/4		8 1/4		8 1/4	
8 1/2	1,373.58	8 1/2	1,070.47	8 1/2	767.36	8 1/2	467.87	8 1/2	167.58	8 1/2		8 1/2		8 1/2		8 1/2		8 1/2	
8 3/4	1,367.27	8 3/4	1,064.16	8 3/4	761.05	8 3/4	461.83	8 3/4	161.27	8 3/4		8 3/4		8 3/4		8 3/4		8 3/4	
9	1,360.95	9	1,057.84	9	754.73	9	455.78	9	154.95	9		9		9		9		9	
9 1/4	1,354.64	9 1/4	1,051.53	9 1/4	748.42	9 1/4	449.73	9 1/4	148.64	9 1/4		9 1/4		9 1/4		9 1/4		9 1/4	
9 1/2	1,348.32	9 1/2	1,045.21	9 1/2	742.10	9 1/2	443.69	9 1/2	142.32	9 1/2		9 1/2		9 1/2		9 1/2		9 1/2	
9 3/4	1,342.01	9 3/4	1,038.90	9 3/4	735.79	9 3/4	437.64	9 3/4	136.01	9 3/4		9 3/4		9 3/4		9 3/4		9 3/4	
10	1,335.69	10	1,032.58	10	729.47	10	431.42	10	129.69	10		10		10		10		10	
10 1/4	1,329.38	10 1/4	1,026.27	10 1/4	723.16	10 1/4	425.21	10 1/4	123.38	10 1/4		10 1/4		10 1/4		10 1/4		10 1/4	
10 1/2	1,323.06	10 1/2	1,019.95	10 1/2	716.84	10 1/2	418.99	10 1/2	117.06	10 1/2		10 1/2		10 1/2		10 1/2		10 1/2	
10 3/4	1,316.75	10 3/4	1,013.64	10 3/4	710.53	10 3/4	412.78	10 3/4	110.75	10 3/4		10 3/4		10 3/4		10 3/4		10 3/4	
11	1,310.43	11	1,007.32	11	704.21	11	406.46	11	104.43	11		11		11		11		11	
11 1/4	1,304.12	11 1/4	1,001.01	11 1/4	697.90	11 1/4	400.15	11 1/4	98.12	11 1/4		11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	1,297.80	11 1/2	994.69	11 1/2	691.58	11 1/2	393.83	11 1/2	91.80	11 1/2		11 1/2		11 1/2		11 1/2		11 1/2	
11 3/4	1,291.49	11 3/4	988.38	11 3/4	685.27	11 3/4	387.52	11 3/4	85.49	11 3/4		11 3/4		11 3/4		11 3/4		11 3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/02/1992 SI
DECK MEASUREMENTS: 11/07/2007 CL
REPRINTED: 11/12/2007 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE CBC 409

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4		1 3/4		1 3/4		1 3/4		1 3/4		1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
2		2		2		2		2		2		2		2		2		2	
2 1/4		2 1/4		2 1/4		2 1/4		2 1/4		2 1/4		2 1/4		2 1/4		2 1/4		2 1/4	
2 1/2		2 1/2		2 1/2		2 1/2		2 1/2		2 1/2		2 1/2		2 1/2		2 1/2		2 1/2	
2 3/4		2 3/4		2 3/4		2 3/4		2 3/4		2 3/4		2 3/4		2 3/4		2 3/4		2 3/4	
3		3		3		3		3		3		3		3		3		3	
3 1/4		3 1/4		3 1/4		3 1/4		3 1/4		3 1/4		3 1/4		3 1/4		3 1/4		3 1/4	
3 1/2		3 1/2		3 1/2		3 1/2		3 1/2		3 1/2		3 1/2		3 1/2		3 1/2		3 1/2	
3 3/4		3 3/4		3 3/4		3 3/4		3 3/4		3 3/4		3 3/4		3 3/4		3 3/4		3 3/4	
4		4		4		4		4		4		4		4		4		4	
4 1/4		4 1/4		4 1/4		4 1/4		4 1/4		4 1/4		4 1/4		4 1/4		4 1/4		4 1/4	
4 1/2		4 1/2		4 1/2		4 1/2		4 1/2		4 1/2		4 1/2		4 1/2		4 1/2		4 1/2	
4 3/4		4 3/4		4 3/4		4 3/4		4 3/4		4 3/4		4 3/4		4 3/4		4 3/4		4 3/4	
5		5		5		5		5		5		5		5		5		5	
5 1/4		5 1/4		5 1/4		5 1/4		5 1/4		5 1/4		5 1/4		5 1/4		5 1/4		5 1/4	
5 1/2		5 1/2		5 1/2		5 1/2		5 1/2		5 1/2		5 1/2		5 1/2		5 1/2		5 1/2	
5 3/4		5 3/4		5 3/4		5 3/4		5 3/4		5 3/4		5 3/4		5 3/4		5 3/4		5 3/4	
6		6		6		6		6		6		6		6		6		6	
6 1/4		6 1/4		6 1/4		6 1/4		6 1/4		6 1/4		6 1/4		6 1/4		6 1/4		6 1/4	
6 1/2		6 1/2		6 1/2		6 1/2		6 1/2		6 1/2		6 1/2		6 1/2		6 1/2		6 1/2	
6 3/4		6 3/4		6 3/4		6 3/4		6 3/4		6 3/4		6 3/4		6 3/4		6 3/4		6 3/4	
7		7		7		7		7		7		7		7		7		7	
7 1/4		7 1/4		7 1/4		7 1/4		7 1/4		7 1/4		7 1/4		7 1/4		7 1/4		7 1/4	
7 1/2		7 1/2		7 1/2		7 1/2		7 1/2		7 1/2		7 1/2		7 1/2		7 1/2		7 1/2	
7 3/4		7 3/4		7 3/4		7 3/4		7 3/4		7 3/4		7 3/4		7 3/4		7 3/4		7 3/4	
8		8		8		8		8		8		8		8		8		8	
8 1/4		8 1/4		8 1/4		8 1/4		8 1/4		8 1/4		8 1/4		8 1/4		8 1/4		8 1/4	
8 1/2		8 1/2		8 1/2		8 1/2		8 1/2		8 1/2		8 1/2		8 1/2		8 1/2		8 1/2	
8 3/4		8 3/4		8 3/4		8 3/4		8 3/4		8 3/4		8 3/4		8 3/4		8 3/4		8 3/4	
9		9		9		9		9		9		9		9		9		9	
9 1/4		9 1/4		9 1/4		9 1/4		9 1/4		9 1/4		9 1/4		9 1/4		9 1/4		9 1/4	
9 1/2		9 1/2		9 1/2		9 1/2		9 1/2		9 1/2		9 1/2		9 1/2		9 1/2		9 1/2	
9 3/4		9 3/4		9 3/4		9 3/4		9 3/4		9 3/4		9 3/4		9 3/4		9 3/4		9 3/4	
10		10		10		10		10		10		10		10		10		10	
10 1/4		10 1/4		10 1/4		10 1/4		10 1/4		10 1/4		10 1/4		10 1/4		10 1/4		10 1/4	
10 1/2		10 1/2		10 1/2		10 1/2		10 1/2		10 1/2		10 1/2		10 1/2		10 1/2		10 1/2	
10 3/4		10 3/4		10 3/4		10 3/4		10 3/4		10 3/4		10 3/4		10 3/4		10 3/4		10 3/4	
11		11		11		11		11		11		11		11		11		11	
11 1/4		11 1/4		11 1/4		11 1/4		11 1/4		11 1/4		11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2		11 1/2		11 1/2		11 1/2		11 1/2		11 1/2		11 1/2		11 1/2		11 1/2		11 1/2	
11 3/4		11 3/4		11 3/4		11 3/4		11 3/4		11 3/4		11 3/4		11 3/4		11 3/4		11 3/4	
12		12		12		12		12		12		12		12		12		12	
12 1/4		12 1/4		12 1/4		12 1/4		12 1/4		12 1/4		12 1/4		12 1/4		12 1/4		12 1/4	
12 1/2		12 1/2		12 1/2		12 1/2		12 1/2		12 1/2		12 1/2		12 1/2		12 1/2		12 1/2	
12 3/4		12 3/4		12 3/4		12 3/4		12 3/4		12 3/4		12 3/4		12 3/4		12 3/4		12 3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 12'-00" OFF CENTERLINE AND 34'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2082
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE CBC 409

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	1,476.31	0	1,196.73	0	917.15	0	637.57	0	358.44	0	78.93	0		0		0		0	
1/4	1,470.49	1/4	1,190.91	1/4	911.33	1/4	631.75	1/4	352.62	1/4	73.11	1/4		1/4		1/4		1/4	
1/2	1,464.67	1/2	1,185.09	1/2	905.50	1/2	625.94	1/2	346.79	1/2	67.29	1/2		1/2		1/2		1/2	
3/4	1,458.84	3/4	1,179.26	3/4	899.68	3/4	620.12	3/4	340.97	3/4	61.46	3/4		3/4		3/4		3/4	
1	1,453.02	1	1,173.44	1	893.85	1	614.30	1	335.14	1	55.64	1		1		1		1	
1 1/4	1,447.20	1 1/4	1,167.62	1 1/4	888.03	1 1/4	608.49	1 1/4	329.32	1 1/4	50.27	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,441.37	1 1/2	1,161.79	1 1/2	882.21	1 1/2	602.68	1 1/2	323.50	1 1/2	44.90	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,435.55	3/4	1,155.97	3/4	876.38	3/4	596.86	3/4	317.67	3/4	39.53	3/4		3/4		3/4		3/4	
2	1,429.72	2	1,150.14	2	870.56	2	591.05	2	311.85	2	34.16	2		2		2		2	
1 1/4	1,423.90	1 1/4	1,144.32	1 1/4	864.74	1 1/4	585.24	1 1/4	306.03	1 1/4	29.97	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,418.07	1 1/2	1,138.49	1 1/2	858.91	1 1/2	579.43	1 1/2	300.20	1 1/2	25.79	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,412.25	3/4	1,132.67	3/4	853.09	3/4	573.61	3/4	294.38	3/4	21.60	3/4		3/4		3/4		3/4	
3	1,406.42	3	1,126.84	3	847.26	3	567.80	3	288.55	3	17.41	3		3		3		3	
1 1/4	1,400.60	1 1/4	1,121.02	1 1/4	841.43	1 1/4	561.99	1 1/4	282.73	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,394.77	1 1/2	1,115.19	1 1/2	835.61	1 1/2	556.17	1 1/2	276.91	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,388.95	3/4	1,109.37	3/4	829.78	3/4	550.36	3/4	271.08	3/4		3/4		3/4		3/4		3/4	
4	1,383.12	4	1,103.54	4	823.95	4	544.54	4	265.26	4		4		4		4		4	
1 1/4	1,377.30	1 1/4	1,097.72	1 1/4	818.13	1 1/4	538.73	1 1/4	259.44	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,371.47	1 1/2	1,091.89	1 1/2	812.31	1 1/2	532.92	1 1/2	253.63	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,365.65	3/4	1,086.07	3/4	806.48	3/4	527.10	3/4	247.81	3/4		3/4		3/4		3/4		3/4	
5	1,359.82	5	1,080.24	5	800.66	5	521.29	5	241.99	5		5		5		5		5	
1 1/4	1,354.00	1 1/4	1,074.42	1 1/4	794.84	1 1/4	515.48	1 1/4	236.17	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,348.17	1 1/2	1,068.59	1 1/2	789.01	1 1/2	509.67	1 1/2	230.35	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,342.35	3/4	1,062.77	3/4	783.19	3/4	503.85	3/4	224.53	3/4		3/4		3/4		3/4		3/4	
6	1,336.52	6	1,056.94	6	777.36	6	498.04	6	218.71	6		6		6		6		6	
1 1/4	1,330.70	1 1/4	1,051.12	1 1/4	771.54	1 1/4	492.23	1 1/4	212.89	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,324.88	1 1/2	1,045.29	1 1/2	765.71	1 1/2	486.41	1 1/2	207.07	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,319.05	3/4	1,039.47	3/4	759.89	3/4	480.60	3/4	201.24	3/4		3/4		3/4		3/4		3/4	
7	1,313.23	7	1,033.64	7	754.06	7	474.78	7	195.42	7		7		7		7		7	
1 1/4	1,307.41	1 1/4	1,027.82	1 1/4	748.24	1 1/4	468.97	1 1/4	189.60	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,301.58	1 1/2	1,022.00	1 1/2	742.42	1 1/2	463.16	1 1/2	183.77	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,295.76	3/4	1,016.17	3/4	736.59	3/4	457.34	3/4	177.95	3/4		3/4		3/4		3/4		3/4	
8	1,289.93	8	1,010.35	8	730.77	8	451.53	8	172.12	8		8		8		8		8	
1 1/4	1,284.11	1 1/4	1,004.53	1 1/4	724.95	1 1/4	445.72	1 1/4	166.30	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,278.28	1 1/2	998.70	1 1/2	719.12	1 1/2	439.90	1 1/2	160.48	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,272.46	3/4	992.88	3/4	713.30	3/4	434.09	3/4	154.65	3/4		3/4		3/4		3/4		3/4	
9	1,266.63	9	987.05	9	707.47	9	428.27	9	148.83	9		9		9		9		9	
1 1/4	1,260.81	1 1/4	981.23	1 1/4	701.65	1 1/4	422.46	1 1/4	143.01	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,254.98	1 1/2	975.40	1 1/2	695.82	1 1/2	416.65	1 1/2	137.18	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,249.16	3/4	969.58	3/4	690.00	3/4	410.83	3/4	131.36	3/4		3/4		3/4		3/4		3/4	
10	1,243.33	10	963.75	10	684.17	10	405.02	10	125.53	10		10		10		10		10	
1 1/4	1,237.51	1 1/4	957.93	1 1/4	678.35	1 1/4	399.20	1 1/4	119.71	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,231.68	1 1/2	952.10	1 1/2	672.52	1 1/2	393.38	1 1/2	113.88	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,225.86	3/4	946.28	3/4	666.70	3/4	387.56	3/4	108.06	3/4		3/4		3/4		3/4		3/4	
11	1,220.03	11	940.45	11	660.87	11	381.74	11	102.23	11		11		11		11		11	
1 1/4	1,214.21	1 1/4	934.63	1 1/4	655.05	1 1/4	375.92	1 1/4	96.41	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,208.38	1 1/2	928.80	1 1/2	649.22	1 1/2	370.09	1 1/2	90.58	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,202.56	3/4	922.98	3/4	643.40	3/4	364.27	3/4	84.76	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/02/1992 SI
DECK MEASUREMENTS: 11/07/2007 CL
REPRINTED: 11/12/2007 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE CBC 409

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
0	0	0	0	0	0	0	3,229.56	0	3,027.94	0	2,825.49	0	2,586.64	0	2,308.03	0	2,029.40	0	1,750.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,225.36	1/4	3,023.74	1/4	2,821.25	1/4	2,580.84	1/4	2,302.22	1/4	2,023.59	1/4	1,744.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,221.16	1/2	3,019.54	1/2	2,817.02	1/2	2,575.04	1/2	2,296.42	1/2	2,017.79	1/2	1,739.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,216.96	3/4	3,015.34	3/4	2,812.78	3/4	2,569.24	3/4	2,290.61	3/4	2,011.98	3/4	1,733.35
1	1	1	1	1	1	1	3,212.76	1	3,011.14	1	2,808.54	1	2,563.44	1	2,284.81	1	2,006.18	1	1,727.55
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,208.56	1 1/4	3,006.94	1 1/4	2,804.30	1 1/4	2,557.63	1 1/4	2,279.00	1 1/4	2,000.37	1 1/4	1,721.74
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,204.36	1 1/2	3,002.74	1 1/2	2,800.07	1 1/2	2,551.83	1 1/2	2,273.20	1 1/2	1,994.57	1 1/2	1,715.94
1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	3,200.16	1 3/4	2,998.54	1 3/4	2,795.83	1 3/4	2,546.02	1 3/4	2,267.39	1 3/4	1,988.76	1 3/4	1,710.13
2	2	2	2	2	2	2	3,195.96	2	2,994.34	2	2,791.59	2	2,540.22	2	2,261.59	2	1,982.96	2	1,704.33
2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	3,191.76	2 1/4	2,990.14	2 1/4	2,787.35	2 1/4	2,534.42	2 1/4	2,255.79	2 1/4	1,977.15	2 1/4	1,698.52
2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	3,187.56	2 1/2	2,985.94	2 1/2	2,783.12	2 1/2	2,528.61	2 1/2	2,249.98	2 1/2	1,971.35	2 1/2	1,692.72
2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	3,183.36	2 3/4	2,981.74	2 3/4	2,778.88	2 3/4	2,522.81	2 3/4	2,244.18	2 3/4	1,965.54	2 3/4	1,686.91
3	3	3	3	3	3	3	3,179.16	3	2,977.54	3	2,774.64	3	2,517.01	3	2,238.38	3	1,959.74	3	1,681.11
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3,174.96	3 1/4	2,973.34	3 1/4	2,770.40	3 1/4	2,511.20	3 1/4	2,232.57	3 1/4	1,953.94	3 1/4	1,675.31
3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3,170.76	3 1/2	2,969.14	3 1/2	2,766.17	3 1/2	2,505.40	3 1/2	2,226.77	3 1/2	1,948.13	3 1/2	1,669.50
3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3,166.56	3 3/4	2,964.94	3 3/4	2,761.93	3 3/4	2,499.59	3 3/4	2,220.96	3 3/4	1,942.33	3 3/4	1,663.70
4	4	4	4	4	4	4	3,162.36	4	2,960.74	4	2,757.69	4	2,493.79	4	2,215.16	4	1,936.53	4	1,657.90
4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	3,158.16	4 1/4	2,956.54	4 1/4	2,753.45	4 1/4	2,487.98	4 1/4	2,209.35	4 1/4	1,930.72	4 1/4	1,652.09
4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	3,153.95	4 1/2	2,952.34	4 1/2	2,749.22	4 1/2	2,482.18	4 1/2	2,203.55	4 1/2	1,924.92	4 1/2	1,646.29
4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	3,149.75	4 3/4	2,948.14	4 3/4	2,744.98	4 3/4	2,476.37	4 3/4	2,197.74	4 3/4	1,919.11	4 3/4	1,640.48
5	5	5	5	5	3,305.85	5	3,145.55	5	2,943.94	5	2,740.63	5	2,470.57	5	2,191.94	5	1,913.31	5	1,634.68
5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	3,305.10	5 1/4	3,141.35	5 1/4	2,939.74	5 1/4	2,736.18	5 1/4	2,464.76	5 1/4	2,186.13	5 1/4	1,907.50	5 1/4	1,628.87
5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	3,304.36	5 1/2	3,137.15	5 1/2	2,935.53	5 1/2	2,731.73	5 1/2	2,458.96	5 1/2	2,180.33	5 1/2	1,901.70	5 1/2	1,623.07
5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	3,303.61	5 3/4	3,132.95	5 3/4	2,931.33	5 3/4	2,727.26	5 3/4	2,453.15	5 3/4	2,174.52	5 3/4	1,895.89	5 3/4	1,617.26
6	6	6	6	6	3,302.56	6	3,128.75	6	2,927.12	6	2,722.53	6	2,447.35	6	2,168.72	6	1,890.09	6	1,611.46
6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	3,301.20	6 1/4	3,124.55	6 1/4	2,922.90	6 1/4	2,717.48	6 1/4	2,441.54	6 1/4	2,162.91	6 1/4	1,884.28	6 1/4	1,605.65
6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	3,299.83	6 1/2	3,120.35	6 1/2	2,918.68	6 1/2	2,712.44	6 1/2	2,435.74	6 1/2	2,157.11	6 1/2	1,878.48	6 1/2	1,599.85
6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	3,298.47	6 3/4	3,116.15	6 3/4	2,914.46	6 3/4	2,707.39	6 3/4	2,429.93	6 3/4	2,151.30	6 3/4	1,872.67	6 3/4	1,594.04
7	7	7	7	7	3,296.76	7	3,111.95	7	2,910.23	7	2,702.07	7	2,424.13	7	2,145.50	7	1,866.87	7	1,588.24
7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	3,294.69	7 1/4	3,107.75	7 1/4	2,906.00	7 1/4	2,696.47	7 1/4	2,418.32	7 1/4	2,139.69	7 1/4	1,861.06	7 1/4	1,582.43
7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	3,292.62	7 1/2	3,103.55	7 1/2	2,901.76	7 1/2	2,690.87	7 1/2	2,412.52	7 1/2	2,133.89	7 1/2	1,855.26	7 1/2	1,576.63
7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	3,290.55	7 3/4	3,099.35	7 3/4	2,897.53	7 3/4	2,685.27	7 3/4	2,406.71	7 3/4	2,128.08	7 3/4	1,849.45	7 3/4	1,570.82
8	8	8	8	8	3,288.13	8	3,095.15	8	2,893.29	8	2,679.57	8	2,400.91	8	2,122.28	8	1,843.65	8	1,565.02
8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	3,285.35	8 1/4	3,090.95	8 1/4	2,889.05	8 1/4	2,673.78	8 1/4	2,395.10	8 1/4	2,116.47	8 1/4	1,837.84	8 1/4	1,559.21
8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	3,282.56	8 1/2	3,086.75	8 1/2	2,884.82	8 1/2	2,667.98	8 1/2	2,389.30	8 1/2	2,110.67	8 1/2	1,832.04	8 1/2	1,553.41
8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	3,279.78	8 3/4	3,082.55	8 3/4	2,880.58	8 3/4	2,662.19	8 3/4	2,383.49	8 3/4	2,104.86	8 3/4	1,826.23	8 3/4	1,547.60
9	9	9	9	9	3,276.64	9	3,078.35	9	2,876.34	9	2,656.38	9	2,377.69	9	2,099.06	9	1,820.43	9	1,541.80
9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	3,273.15	9 1/4	3,074.15	9 1/4	2,872.10	9 1/4	2,650.57	9 1/4	2,371.88	9 1/4	2,093.25	9 1/4	1,814.62	9 1/4	1,535.99
9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	3,269.66	9 1/2	3,069.95	9 1/2	2,867.87	9 1/2	2,644.75	9 1/2	2,366.08	9 1/2	2,087.45	9 1/2	1,808.82	9 1/2	1,530.19
9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	3,266.17	9 3/4	3,065.75	9 3/4	2,863.63	9 3/4	2,638.94	9 3/4	2,360.27	9 3/4	2,081.64	9 3/4	1,803.01	9 3/4	1,524.38
10	10	10	10	10	3,262.42	10	3,061.55	10	2,859.39	10	2,633.12	10	2,354.47	10	2,075.84	10	1,797.21	10	1,518.58
10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	3,258.41	10 1/4	3,057.35	10 1/4	2,855.15	10 1/4	2,627.31	10 1/4	2,348.66	10 1/4	2,070.03	10 1/4	1,791.40	10 1/4	1,512.77
10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	3,254.41	10 1/2	3,053.15	10 1/2	2,850.92	10 1/2	2,621.50	10 1/2	2,342.86	10 1/2	2,064.23	10 1/2	1,785.60	10 1/2	1,506.97
10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	3,250.40	10 3/4	3,048.95	10 3/4	2,846.68	10 3/4	2,615.69	10 3/4	2,337.05	10 3/4	2,058.42	10 3/4	1,779.79	10 3/4	1,501.16
11	11	11	11	11	3,246.31	11	3,044.75	11	2,842.44	11	2,609.87	11	2,331.25	11	2,052.62	11	1,773.99	11	1,495.36
11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	3,242.12	11 1/4	3,040.55	11 1/4	2,838.20	11 1/4	2,604.06	11 1/4	2,325.44	11 1/4	2,046.81	11 1/4	1,768.18	11 1/4	1,489.56
11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	3,237.94	11 1/2	3,036.34	11 1/2	2,833.97	11 1/2	2,598.25	11 1/2	2,319.64	11 1/2	2,041.01	11 1/2	1,762.38	11 1/2	1,483.75
11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	3,233.75	11 3/4	3,032.14	11 3/4	2,829.73	11 3/4	2,592.44	11 3/4	2,313.83	11 3/4	2,035.20	11 3/4	1,756.57	11 3/4	1,477.95

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 12'-00" OFF CENTERLINE AND 34'-00" FORWARD OF AFT BULKHEAD.

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



BARGE CBC 409

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	1,472.15	0	1,193.64	0	915.12	0	636.61	0	357.97	0	78.83	0		0		0		0	
1/4	1,466.35	1/4	1,187.84	1/4	909.32	1/4	630.81	1/4	352.16	1/4	73.02	1/4		1/4		1/4		1/4	
1/2	1,460.55	1/2	1,182.03	1/2	903.51	1/2	625.00	1/2	346.34	1/2	67.20	1/2		1/2		1/2		1/2	
3/4	1,454.75	3/4	1,176.23	3/4	897.71	3/4	619.20	3/4	340.53	3/4	61.39	3/4		3/4		3/4		3/4	
1	1,448.95	1	1,170.43	1	891.91	1	613.40	1	334.71	1	55.77	1		1		1		1	
1/4	1,443.15	1/4	1,164.63	1/4	886.11	1/4	607.60	1/4	328.90	1/4	50.35	1/4		1/4		1/4		1/4	
1/2	1,437.34	1/2	1,158.82	1/2	880.31	1/2	601.79	1/2	323.08	1/2	44.94	1/2		1/2		1/2		1/2	
3/4	1,431.54	3/4	1,153.02	3/4	874.51	3/4	595.99	3/4	317.27	3/4	39.52	3/4		3/4		3/4		3/4	
2	1,425.74	2	1,147.22	2	868.71	2	590.19	2	311.45	2	34.65	2		2		2		2	
1/4	1,419.94	1/4	1,141.42	1/4	862.91	1/4	584.39	1/4	305.64	1/4	30.34	1/4		1/4		1/4		1/4	
1/2	1,414.13	1/2	1,135.61	1/2	857.10	1/2	578.58	1/2	299.82	1/2	26.03	1/2		1/2		1/2		1/2	
3/4	1,408.33	3/4	1,129.81	3/4	851.30	3/4	572.78	3/4	294.01	3/4	21.72	3/4		3/4		3/4		3/4	
3	1,402.53	3	1,124.01	3	845.50	3	566.98	3	288.19	3	17.41	3		3		3		3	
1/4	1,396.73	1/4	1,118.21	1/4	839.70	1/4	561.18	1/4	282.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,390.92	1/2	1,112.40	1/2	833.89	1/2	555.38	1/2	276.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,385.12	3/4	1,106.60	3/4	828.09	3/4	549.58	3/4	270.75	3/4		3/4		3/4		3/4		3/4	
4	1,379.32	4	1,100.80	4	822.29	4	543.78	4	264.93	4		4		4		4		4	
1/4	1,373.52	1/4	1,095.00	1/4	816.49	1/4	537.98	1/4	259.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,367.71	1/2	1,089.19	1/2	810.68	1/2	532.19	1/2	253.30	1/2		1/2		1/2		1/2		1/2	
3/4	1,361.91	3/4	1,083.39	3/4	804.88	3/4	526.39	3/4	247.49	3/4		3/4		3/4		3/4		3/4	
5	1,356.11	5	1,077.59	5	799.08	5	520.59	5	241.67	5		5		5		5		5	
1/4	1,350.31	1/4	1,071.79	1/4	793.28	1/4	514.79	1/4	235.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,344.50	1/2	1,065.98	1/2	787.47	1/2	508.99	1/2	230.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,338.70	3/4	1,060.18	3/4	781.67	3/4	503.19	3/4	224.22	3/4		3/4		3/4		3/4		3/4	
6	1,332.90	6	1,054.38	6	775.87	6	497.39	6	218.40	6		6		6		6		6	
1/4	1,327.10	1/4	1,048.58	1/4	770.07	1/4	491.59	1/4	212.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,321.29	1/2	1,042.77	1/2	764.26	1/2	485.79	1/2	206.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,315.49	3/4	1,036.97	3/4	758.46	3/4	479.99	3/4	200.96	3/4		3/4		3/4		3/4		3/4	
7	1,309.69	7	1,031.17	7	752.66	7	474.19	7	195.14	7		7		7		7		7	
1/4	1,303.89	1/4	1,025.37	1/4	746.86	1/4	468.38	1/4	189.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,298.08	1/2	1,019.56	1/2	741.05	1/2	462.58	1/2	183.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,292.28	3/4	1,013.76	3/4	735.25	3/4	456.77	3/4	177.70	3/4		3/4		3/4		3/4		3/4	
8	1,286.48	8	1,007.96	8	729.45	8	450.96	8	171.88	8		8		8		8		8	
1/4	1,280.68	1/4	1,002.16	1/4	723.65	1/4	445.15	1/4	166.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,274.87	1/2	996.35	1/2	717.84	1/2	439.34	1/2	160.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,269.07	3/4	990.55	3/4	712.04	3/4	433.53	3/4	154.44	3/4		3/4		3/4		3/4		3/4	
9	1,263.27	9	984.75	9	706.24	9	427.71	9	148.62	9		9		9		9		9	
1/4	1,257.47	1/4	978.95	1/4	700.44	1/4	421.90	1/4	142.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,251.66	1/2	973.14	1/2	694.63	1/2	416.09	1/2	136.99	1/2		1/2		1/2		1/2		1/2	
3/4	1,245.86	3/4	967.34	3/4	688.83	3/4	410.28	3/4	131.18	3/4		3/4		3/4		3/4		3/4	
10	1,240.06	10	961.54	10	683.03	10	404.47	10	125.36	10		10		10		10		10	
1/4	1,234.26	1/4	955.74	1/4	677.23	1/4	398.66	1/4	119.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,228.45	1/2	949.93	1/2	671.42	1/2	392.85	1/2	113.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,222.65	3/4	944.13	3/4	665.62	3/4	387.04	3/4	107.92	3/4		3/4		3/4		3/4		3/4	
11	1,216.85	11	938.33	11	659.82	11	381.22	11	102.10	11		11		11		11		11	
1/4	1,211.05	1/4	932.53	1/4	654.02	1/4	375.41	1/4	96.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,205.24	1/2	926.72	1/2	648.21	1/2	369.60	1/2	90.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,199.44	3/4	920.92	3/4	642.41	3/4	363.79	3/4	84.65	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2007

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