



BARGE "DBL 703"

PORT HORIZONTAL

INNAGE TABLE BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

Table with 20 columns representing different depth measurements (0 FT. to 9 FT.) and corresponding capacity values in barrels.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 3.03. CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL. CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK. CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

PRECISION MEASUREMENT & ANALYSIS, INC. P.O. Box 2392 Pearland, Texas 77588 http://www.pmacorp.net

Signature of Precision Measurement & Analysis, Inc.



# BARGE "DBL 703"

## PORT HORIZONTAL INNAGE TABLE BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	5,107.24	0	5,721.36	0	6,313.79	0	6,874.12	0	7,390.10	0	7,866.22	0	8,219.86	0	8,466.04	0			
1/8	5,120.18	1/8	5,733.94	1/8	6,325.81	1/8	6,885.24	1/8	7,400.24	1/8	7,854.99	1/8	8,225.45	1/8	8,468.82	1/8			
1/4	5,133.13	1/4	5,746.52	1/4	6,337.83	1/4	6,895.56	1/4	7,410.38	1/4	7,863.56	1/4	8,233.03	1/4	8,471.61	1/4			
3/8	5,146.07	3/8	5,759.11	3/8	6,349.85	3/8	6,907.78	3/8	7,420.51	3/8	7,872.23	3/8	8,239.52	3/8	8,474.39	3/8			
1/2	5,159.01	1/2	5,771.69	1/2	6,361.87	1/2	6,919.00	1/2	7,430.65	1/2	7,880.90	1/2	8,246.20	1/2	8,477.18	1/2			
5/8	5,171.93	5/8	5,784.23	5/8	6,373.83	5/8	6,930.14	5/8	7,440.68	5/8	7,889.42	5/8	8,252.57	5/8	8,479.33	5/8			
3/4	5,184.85	3/4	5,796.78	3/4	6,385.79	3/4	6,941.28	3/4	7,450.71	3/4	7,897.95	3/4	8,258.94	3/4	8,481.48	3/4			
7/8	5,197.77	7/8	5,809.32	7/8	6,397.75	7/8	6,952.42	7/8	7,460.74	7/8	7,906.48	7/8	8,265.31	7/8	8,483.63	7/8			
1	5,210.69	1	5,821.87	1	6,409.71	1	6,963.56	1	7,470.77	1	7,915.00	1	8,271.68	1	8,485.78	1			
1 1/8	5,223.59	1 1/8	5,834.37	1 1/8	6,421.61	1 1/8	6,974.52	1 1/8	7,480.69	1 1/8	7,923.38	1 1/8	8,277.82	1 1/8	8,486.96	1 1/8			
1 1/4	5,236.48	1 1/4	5,846.87	1 1/4	6,433.52	1 1/4	6,985.58	1 1/4	7,490.62	1 1/4	7,931.75	1 1/4	8,283.95	1 1/4	8,488.14	1 1/4			
1 1/2	5,249.38	1 1/2	5,859.38	1 1/2	6,445.42	1 1/2	6,996.74	1 1/2	7,500.54	1 1/2	7,940.13	1 1/2	8,290.09	1 1/2	8,489.32	1 1/2			
1 3/8	5,262.27	1 3/8	5,871.88	1 3/8	6,457.32	1 3/8	7,007.80	1 3/8	7,510.46	1 3/8	7,948.51	1 3/8	8,296.23	1 3/8	8,490.49	1 3/8			
1 1/2	5,275.15	1 1/2	5,884.36	1 1/2	6,469.17	1 1/2	7,018.78	1 1/2	7,520.27	1 1/2	7,956.73	1 1/2	8,302.13	1 1/2		1 1/2			
1 5/8	5,288.02	1 5/8	5,896.81	1 5/8	6,481.01	1 5/8	7,029.76	1 5/8	7,530.08	1 5/8	7,964.95	1 5/8	8,308.03	1 5/8		1 5/8			
1 3/4	5,300.89	1 3/4	5,909.27	1 3/4	6,492.85	1 3/4	7,040.74	1 3/4	7,539.90	1 3/4	7,973.17	1 3/4	8,313.93	1 3/4		1 3/4			
1 7/8	5,313.76	1 7/8	5,921.73	1 7/8	6,504.69	1 7/8	7,051.72	1 7/8	7,549.71	1 7/8	7,981.40	1 7/8	8,319.83	1 7/8		1 7/8			
2	5,326.60	2	5,934.15	2	6,516.47	2	7,062.61	2	7,559.40	2	7,989.46	2	8,325.48	2		2			
2 1/8	5,339.45	2 1/8	5,946.57	2 1/8	6,528.25	2 1/8	7,073.50	2 1/8	7,569.10	2 1/8	7,997.52	2 1/8	8,331.13	2 1/8		2 1/8			
2 1/4	5,352.29	2 1/4	5,958.99	2 1/4	6,540.03	2 1/4	7,084.40	2 1/4	7,578.80	2 1/4	8,005.59	2 1/4	8,336.78	2 1/4		2 1/4			
2 1/2	5,365.14	2 1/2	5,971.41	2 1/2	6,551.81	2 1/2	7,095.29	2 1/2	7,588.50	2 1/2	8,013.65	2 1/2	8,342.43	2 1/2		2 1/2			
2 3/8	5,377.95	2 3/8	5,983.78	2 3/8	6,563.52	2 3/8	7,106.10	2 3/8	7,598.08	2 3/8	8,021.55	2 3/8	8,347.81	2 3/8		2 3/8			
2 1/2	5,390.77	2 1/2	5,996.16	2 1/2	6,575.25	2 1/2	7,116.91	2 1/2	7,607.66	2 1/2	8,029.45	2 1/2	8,353.19	2 1/2		2 1/2			
2 5/8	5,403.58	2 5/8	6,008.53	2 5/8	6,586.96	2 5/8	7,127.71	2 5/8	7,617.24	2 5/8	8,037.35	2 5/8	8,358.57	2 5/8		2 5/8			
2 3/4	5,416.40	2 3/4	6,020.91	2 3/4	6,598.68	2 3/4	7,138.52	2 3/4	7,626.82	2 3/4	8,045.26	2 3/4	8,363.95	2 3/4		2 3/4			
2 7/8	5,429.19	2 7/8	6,033.23	2 7/8	6,610.33	2 7/8	7,149.24	2 7/8	7,636.28	2 7/8	8,052.99	2 7/8	8,369.05	2 7/8		2 7/8			
3	5,441.98	3	6,045.56	3	6,621.98	3	7,159.96	3	7,645.74	3	8,060.72	3	8,374.15	3		3			
3 1/8	5,454.76	3 1/8	6,057.89	3 1/8	6,633.63	3 1/8	7,170.67	3 1/8	7,655.20	3 1/8	8,068.45	3 1/8	8,379.25	3 1/8		3 1/8			
3 1/4	5,467.55	3 1/4	6,070.22	3 1/4	6,645.28	3 1/4	7,181.39	3 1/4	7,664.66	3 1/4	8,076.18	3 1/4	8,384.35	3 1/4		3 1/4			
3 1/2	5,480.31	3 1/2	6,082.50	3 1/2	6,656.87	3 1/2	7,192.02	3 1/2	7,674.00	3 1/2	8,083.74	3 1/2	8,389.15	3 1/2		3 1/2			
3 3/8	5,493.06	3 3/8	6,094.78	3 3/8	6,668.45	3 3/8	7,202.65	3 3/8	7,683.34	3 3/8	8,091.30	3 3/8	8,393.95	3 3/8		3 3/8			
3 1/2	5,505.82	3 1/2	6,107.06	3 1/2	6,680.03	3 1/2	7,213.27	3 1/2	7,692.67	3 1/2	8,098.88	3 1/2	8,398.75	3 1/2		3 1/2			
3 5/8	5,518.59	3 5/8	6,119.34	3 5/8	6,691.62	3 5/8	7,223.90	3 5/8	7,702.01	3 5/8	8,106.42	3 5/8	8,403.55	3 5/8		3 5/8			
3 3/4	5,531.30	3 3/4	6,131.57	3 3/4	6,703.13	3 3/4	7,234.43	3 3/4	7,711.22	3 3/4	8,113.79	3 3/4	8,408.02	3 3/4		3 3/4			
3 7/8	5,544.03	3 7/8	6,143.80	3 7/8	6,714.64	3 7/8	7,244.97	3 7/8	7,720.43	3 7/8	8,121.17	3 7/8	8,412.49	3 7/8		3 7/8			
4	5,556.75	4	6,156.03	4	6,726.16	4	7,255.50	4	7,729.64	4	8,128.55	4	8,416.97	4		4			
4 1/8	5,569.48	4 1/8	6,168.26	4 1/8	6,737.67	4 1/8	7,266.03	4 1/8	7,738.86	4 1/8	8,135.93	4 1/8	8,421.44	4 1/8		4 1/8			
4 1/4	5,582.17	4 1/4	6,180.44	4 1/4	6,749.12	4 1/4	7,276.47	4 1/4	7,747.94	4 1/4	8,143.12	4 1/4	8,425.55	4 1/4		4 1/4			
4 1/2	5,594.86	4 1/2	6,192.62	4 1/2	6,760.56	4 1/2	7,286.91	4 1/2	7,757.02	4 1/2	8,150.31	4 1/2	8,429.66	4 1/2		4 1/2			
4 3/8	5,607.55	4 3/8	6,204.80	4 3/8	6,772.00	4 3/8	7,297.35	4 3/8	7,766.10	4 3/8	8,157.00	4 3/8	8,433.81	4 3/8		4 3/8			
4 1/2	5,620.24	4 1/2	6,216.98	4 1/2	6,783.45	4 1/2	7,307.79	4 1/2	7,775.18	4 1/2	8,164.65	4 1/2	8,437.93	4 1/2		4 1/2			
4 5/8	5,632.90	4 5/8	6,229.11	4 5/8	6,794.82	4 5/8	7,318.13	4 5/8	7,784.13	4 5/8	8,171.69	4 5/8	8,441.66	4 5/8		4 5/8			
4 3/4	5,645.56	4 3/4	6,241.24	4 3/4	6,806.19	4 3/4	7,328.47	4 3/4	7,793.08	4 3/4	8,178.68	4 3/4	8,445.39	4 3/4		4 3/4			
4 7/8	5,658.22	4 7/8	6,253.37	4 7/8	6,817.56	4 7/8	7,338.81	4 7/8	7,802.93	4 7/8	8,185.68	4 7/8	8,449.12	4 7/8		4 7/8			
5	5,670.87	5	6,265.50	5	6,828.93	5	7,349.15	5	7,810.97	5	8,192.68	5	8,452.86	5		5			
5 1/8	5,683.49	5 1/8	6,277.57	5 1/8	6,840.23	5 1/8	7,359.39	5 1/8	7,819.79	5 1/8	8,199.47	5 1/8	8,456.15	5 1/8		5 1/8			
5 1/4	5,696.11	5 1/4	6,289.64	5 1/4	6,851.52	5 1/4	7,369.63	5 1/4	7,828.60	5 1/4	8,206.27	5 1/4	8,459.45	5 1/4		5 1/4			
5 1/2	5,708.73	5 1/2	6,301.72	5 1/2	6,862.82	5 1/2	7,379.86	5 1/2	7,837.41	5 1/2	8,213.06	5 1/2	8,462.74	5 1/2		5 1/2			

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CANCELS AND SUPERCEDES  
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CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY  
PRECISION MEASUREMENT  
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# BARGE "DBL 703"

STBD  
HORIZONTAL

## INNAGE TABLE BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.12	8	193.72	8	541.03	0	979.19	8	1,481.99	8	2,032.62	0	2,618.21	0	3,227.99	0	3,862.29	0	4,482.11
14	1.30	14	199.80	14	549.40	14	989.12	14	1,493.05	14	2,044.52	14	2,630.72	14	3,240.88	14	3,865.39	14	4,495.22
10	2.48	10	205.89	10	557.78	10	999.04	10	1,504.12	10	2,056.43	10	2,643.23	10	3,253.78	10	3,878.49	10	4,508.34
34	3.66	34	211.98	34	566.16	34	1,008.97	34	1,515.18	34	2,068.33	34	2,655.74	34	3,266.68	34	3,891.89	34	4,521.45
4	4.83	4	218.07	4	574.54	4	1,018.89	4	1,526.24	4	2,080.24	4	2,668.24	4	3,279.58	4	3,904.69	4	4,534.57
14	8.99	14	224.39	14	583.07	14	1,028.93	14	1,537.39	14	2,092.21	14	2,680.79	14	3,292.51	14	3,917.80	14	4,547.67
10	9.14	10	230.71	10	591.59	10	1,038.96	10	1,548.53	10	2,104.17	10	2,693.34	10	3,305.43	10	3,930.90	10	4,560.78
34	11.29	34	237.03	34	600.12	34	1,048.99	34	1,559.68	34	2,116.13	34	2,705.89	34	3,318.35	34	3,944.01	34	4,573.89
2	13.44	2	243.35	2	608.65	2	1,059.03	2	1,570.82	2	2,128.10	2	2,718.44	2	3,331.28	2	3,957.12	2	4,587.00
14	16.23	14	249.91	14	617.32	14	1,069.16	14	1,582.04	14	2,140.12	14	2,731.02	14	3,344.22	14	3,970.23	14	4,600.10
10	19.02	10	256.47	10	626.00	10	1,079.30	10	1,593.27	10	2,152.14	10	2,743.61	10	3,357.17	10	3,983.35	10	4,613.19
34	21.80	34	263.03	34	634.67	34	1,089.44	34	1,604.49	34	2,164.16	34	2,756.20	34	3,370.11	34	3,996.46	34	4,626.29
2	24.59	2	269.59	2	643.34	2	1,099.58	2	1,615.71	2	2,176.19	2	2,768.78	2	3,383.06	2	4,009.58	2	4,639.39
14	27.88	14	276.39	14	652.15	14	1,109.82	14	1,627.01	14	2,188.26	14	2,781.41	14	3,396.03	14	4,022.70	14	4,652.48
10	31.18	10	283.19	10	660.97	10	1,120.07	10	1,638.31	10	2,200.34	10	2,794.03	10	3,408.99	10	4,035.82	10	4,665.57
34	34.48	34	289.99	34	669.78	34	1,130.31	34	1,649.61	34	2,212.42	34	2,806.65	34	3,421.96	34	4,048.94	34	4,678.66
4	37.77	4	296.78	4	678.60	4	1,140.55	4	1,660.91	4	2,224.50	4	2,819.28	4	3,434.93	4	4,062.06	4	4,691.75
14	41.06	14	303.78	14	687.55	14	1,150.89	14	1,672.28	14	2,236.63	14	2,831.94	14	3,447.91	14	4,075.18	14	4,704.83
10	45.24	10	310.78	10	696.50	10	1,161.24	10	1,683.66	10	2,248.76	10	2,844.60	10	3,460.90	10	4,088.30	10	4,717.91
34	48.97	34	317.78	34	705.45	34	1,171.58	34	1,695.03	34	2,260.89	34	2,857.26	34	3,473.89	34	4,101.43	34	4,730.99
2	52.71	2	324.78	2	714.40	2	1,181.92	2	1,706.40	2	2,273.02	2	2,869.92	2	3,486.87	2	4,114.55	2	4,744.07
14	56.83	14	331.97	14	723.48	14	1,192.36	14	1,717.85	14	2,285.20	14	2,882.62	14	3,499.88	14	4,127.68	14	4,757.13
10	60.95	10	339.17	10	732.67	10	1,202.80	10	1,729.30	10	2,297.39	10	2,895.31	10	3,512.88	10	4,140.81	10	4,770.20
34	65.07	34	346.36	34	741.65	34	1,213.24	34	1,740.74	34	2,309.57	34	2,908.01	34	3,525.89	34	4,153.94	34	4,783.27
4	69.20	4	353.55	4	750.73	4	1,223.69	4	1,752.19	4	2,321.76	4	2,920.70	4	3,538.90	4	4,167.06	4	4,796.33
14	73.67	14	360.93	14	759.95	14	1,234.22	14	1,763.71	14	2,333.99	14	2,933.43	14	3,551.92	14	4,180.19	14	4,809.39
10	78.15	10	368.31	10	769.16	10	1,244.76	10	1,775.23	10	2,346.22	10	2,946.16	10	3,564.94	10	4,193.32	10	4,822.44
34	82.62	34	375.69	34	778.38	34	1,255.30	34	1,786.74	34	2,358.46	34	2,958.89	34	3,577.96	34	4,206.45	34	4,835.49
2	87.10	2	383.07	2	787.59	2	1,265.83	2	1,798.26	2	2,370.69	2	2,971.61	2	3,590.99	2	4,219.58	2	4,848.55
14	91.90	14	390.63	14	796.93	14	1,276.46	14	1,809.85	14	2,382.98	14	2,984.37	14	3,604.02	14	4,232.71	14	4,861.58
10	96.70	10	398.19	10	806.27	10	1,287.09	10	1,821.43	10	2,395.26	10	2,997.13	10	3,617.06	10	4,245.84	10	4,874.62
34	101.50	34	405.75	34	815.61	34	1,297.72	34	1,833.02	34	2,407.54	34	3,009.89	34	3,630.10	34	4,258.97	34	4,887.66
2	106.29	2	413.31	2	824.95	2	1,308.35	2	1,844.61	2	2,419.83	2	3,022.65	2	3,643.14	2	4,272.10	2	4,900.70
14	111.37	14	421.04	14	834.41	14	1,319.07	14	1,856.26	14	2,432.16	14	3,035.45	14	3,656.19	14	4,285.23	14	4,913.72
10	116.45	10	428.78	10	843.88	10	1,329.79	10	1,867.92	10	2,444.49	10	3,048.24	10	3,669.25	10	4,298.35	10	4,926.75
34	121.52	34	436.51	34	853.34	34	1,340.51	34	1,879.57	34	2,456.82	34	3,061.03	34	3,682.30	34	4,311.49	34	4,939.77
4	126.60	4	444.25	4	862.80	4	1,351.24	4	1,891.22	4	2,469.15	4	3,073.82	4	3,695.35	4	4,324.62	4	4,952.79
14	131.93	14	452.15	14	872.39	14	1,362.05	14	1,902.94	14	2,481.53	14	3,086.64	14	3,708.42	14	4,337.75	14	4,965.80
10	137.26	10	460.05	10	881.97	10	1,372.86	10	1,914.66	10	2,493.91	10	3,099.46	10	3,721.49	10	4,350.88	10	4,978.80
34	142.59	34	467.96	34	891.55	34	1,383.67	34	1,926.38	34	2,506.29	34	3,112.28	34	3,734.55	34	4,364.00	34	4,991.81
2	147.92	2	475.86	2	901.14	2	1,394.48	2	1,938.10	2	2,518.66	2	3,125.10	2	3,747.62	2	4,377.13	2	5,004.81
14	153.52	14	483.93	14	910.84	14	1,405.37	14	1,949.89	14	2,531.09	14	3,137.94	14	3,760.70	14	4,390.25	14	5,017.80
10	159.12	10	491.99	10	920.54	10	1,416.27	10	1,961.67	10	2,543.51	10	3,150.79	10	3,773.78	10	4,403.38	10	5,030.79
34	164.72	34	500.06	34	930.24	34	1,427.17	34	1,973.46	34	2,555.93	34	3,163.64	34	3,786.86	34	4,416.51	34	5,043.77
4	170.32	4	508.13	4	939.94	4	1,438.06	4	1,985.24	4	2,568.35	4	3,176.49	4	3,799.93	4	4,429.63	4	5,056.76
14	176.17	14	516.35	14	949.75	14	1,449.04	14	1,997.08	14	2,580.82	14	3,189.36	14	3,813.02	14	4,442.75	14	5,069.73
10	182.02	10	524.58	10	959.56	10	1,460.02	10	2,008.93	10	2,593.28	10	3,202.24	10	3,826.11	10	4,455.87	10	5,082.69
34	187.87	34	532.80	34	969.38	34	1,471.01	34	2,020.77	34	2,605.75	34	3,215.11	34	3,839.20	34	4,468.99	34	5,095.66

CERTIFIED CHART FOR THE ABOVE NAME/D TANK ONLY

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2090  
Pearland, Texas 77660  
http://www.pma-corp.net



# BARGE "DBL 703"

## STBD HORIZONTAL INNAGE TABLE BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	5,108.63	0	5,722.90	0	6,315.50	0	6,875.98	0	7,392.10	0	7,848.35	0	8,222.09	0	8,468.34	0			
1/4	5,121.57	1/4	5,736.40	1/4	6,327.52	1/4	6,887.20	1/4	7,402.24	1/4	7,857.02	1/4	8,228.68	1/4	8,471.13	1/4			
1/2	5,134.52	1/2	5,749.08	1/2	6,339.54	1/2	6,898.42	1/2	7,413.38	1/2	7,865.69	1/2	8,235.27	1/2	8,473.91	1/2			
3/4	5,147.46	3/4	5,760.66	3/4	6,351.56	3/4	6,909.64	3/4	7,422.52	3/4	7,874.36	3/4	8,241.86	3/4	8,476.70	3/4			
1	5,160.41	1	5,773.25	1	6,363.69	1	6,920.87	1	7,432.66	1	7,883.04	1	8,248.44	1	8,479.48	1			
1 1/4	5,173.33	1 1/4	5,785.80	1 1/4	6,375.55	1 1/4	6,932.01	1 1/4	7,442.69	1 1/4	7,891.56	1 1/4	8,254.81	1 1/4	8,481.64	1 1/4			
1 1/2	5,186.26	1 1/2	5,798.35	1 1/2	6,387.52	1 1/2	6,943.15	1 1/2	7,452.73	1 1/2	7,900.09	1 1/2	8,261.19	1 1/2	8,483.75	1 1/2			
1 3/4	5,199.18	1 3/4	5,810.89	1 3/4	6,399.48	1 3/4	6,954.30	1 3/4	7,462.76	1 3/4	7,908.62	1 3/4	8,267.55	1 3/4	8,485.94	1 3/4			
2	5,212.10	2	5,823.44	2	6,411.45	2	6,965.44	2	7,472.79	2	7,917.15	2	8,273.92	2	8,488.10	2			
2 1/4	5,225.00	2 1/4	5,835.95	2 1/4	6,423.35	2 1/4	6,976.51	2 1/4	7,482.72	2 1/4	7,925.53	2 1/4	8,280.07	2 1/4	8,489.27	2 1/4			
2 1/2	5,237.90	2 1/2	5,848.46	2 1/2	6,435.26	2 1/2	6,987.57	2 1/2	7,492.64	2 1/2	7,933.90	2 1/2	8,286.21	2 1/2	8,490.45	2 1/2			
2 3/4	5,250.80	2 3/4	5,860.96	2 3/4	6,447.16	2 3/4	6,998.63	2 3/4	7,502.57	2 3/4	7,942.28	2 3/4	8,292.35	2 3/4	8,491.63	2 3/4			
3	5,263.70	3	5,873.47	3	6,459.07	3	7,009.70	3	7,512.49	3	7,950.66	3	8,298.49	3	8,492.80	3			
3 1/4	5,276.57	3 1/4	5,885.94	3 1/4	6,470.91	3 1/4	7,020.68	3 1/4	7,522.31	3 1/4	7,958.89	3 1/4	8,304.39	3 1/4		3 1/4			
3 1/2	5,289.45	3 1/2	5,898.40	3 1/2	6,482.76	3 1/2	7,031.66	3 1/2	7,532.12	3 1/2	7,967.11	3 1/2	8,310.29	3 1/2		3 1/2			
3 3/4	5,302.32	3 3/4	5,910.87	3 3/4	6,494.60	3 3/4	7,042.64	3 3/4	7,541.94	3 3/4	7,975.34	3 3/4	8,316.19	3 3/4		3 3/4			
4	5,315.20	4	5,923.33	4	6,506.45	4	7,053.62	4	7,551.75	4	7,983.56	4	8,322.10	4		4			
4 1/4	5,328.05	4 1/4	5,935.76	4 1/4	6,518.23	4 1/4	7,064.52	4 1/4	7,561.45	4 1/4	7,991.63	4 1/4	8,327.75	4 1/4		4 1/4			
4 1/2	5,340.89	4 1/2	5,948.18	4 1/2	6,530.02	4 1/2	7,075.42	4 1/2	7,571.15	4 1/2	7,999.69	4 1/2	8,333.40	4 1/2		4 1/2			
4 3/4	5,353.74	4 3/4	5,960.60	4 3/4	6,541.80	4 3/4	7,086.31	4 3/4	7,580.85	4 3/4	8,007.76	4 3/4	8,339.04	4 3/4		4 3/4			
5	5,366.59	5	5,973.02	5	6,553.58	5	7,097.21	5	7,590.55	5	8,015.83	5	8,344.69	5		5			
5 1/4	5,379.41	5 1/4	5,985.40	5 1/4	6,565.30	5 1/4	7,108.02	5 1/4	7,600.13	5 1/4	8,023.73	5 1/4	8,350.08	5 1/4		5 1/4			
5 1/2	5,392.23	5 1/2	5,997.78	5 1/2	6,577.02	5 1/2	7,118.83	5 1/2	7,609.72	5 1/2	8,031.53	5 1/2	8,355.46	5 1/2		5 1/2			
5 3/4	5,405.05	5 3/4	6,010.16	5 3/4	6,588.74	5 3/4	7,129.64	5 3/4	7,619.30	5 3/4	8,039.53	5 3/4	8,360.85	5 3/4		5 3/4			
6	5,417.87	6	6,022.53	6	6,600.46	6	7,140.45	6	7,628.88	6	8,047.44	6	8,366.23	6		6			
6 1/4	5,430.66	6 1/4	6,034.88	6 1/4	6,612.12	6 1/4	7,151.17	6 1/4	7,638.35	6 1/4	8,055.17	6 1/4	8,371.33	6 1/4		6 1/4			
6 1/2	5,443.45	6 1/2	6,047.20	6 1/2	6,623.77	6 1/2	7,161.89	6 1/2	7,647.81	6 1/2	8,062.91	6 1/2	8,376.43	6 1/2		6 1/2			
6 3/4	5,456.24	6 3/4	6,059.53	6 3/4	6,635.42	6 3/4	7,172.61	6 3/4	7,657.27	6 3/4	8,070.64	6 3/4	8,381.53	6 3/4		6 3/4			
7	5,469.03	7	6,071.86	7	6,647.08	7	7,183.33	7	7,666.74	7	8,078.38	7	8,386.63	7		7			
7 1/4	5,481.79	7 1/4	6,084.14	7 1/4	6,658.66	7 1/4	7,193.95	7 1/4	7,676.06	7 1/4	8,085.94	7 1/4	8,391.43	7 1/4		7 1/4			
7 1/2	5,494.55	7 1/2	6,096.43	7 1/2	6,670.25	7 1/2	7,204.59	7 1/2	7,685.42	7 1/2	8,093.50	7 1/2	8,396.23	7 1/2		7 1/2			
7 3/4	5,507.31	7 3/4	6,108.71	7 3/4	6,681.84	7 3/4	7,215.22	7 3/4	7,694.76	7 3/4	8,101.06	7 3/4	8,401.03	7 3/4		7 3/4			
8	5,520.07	8	6,120.99	8	6,693.42	8	7,225.85	8	7,704.10	8	8,108.62	8	8,405.83	8		8			
8 1/4	5,532.80	8 1/4	6,133.23	8 1/4	6,704.94	8 1/4	7,236.39	8 1/4	7,713.31	8 1/4	8,116.00	8 1/4	8,410.31	8 1/4		8 1/4			
8 1/2	5,545.53	8 1/2	6,145.46	8 1/2	6,716.46	8 1/2	7,246.93	8 1/2	7,722.52	8 1/2	8,123.37	8 1/2	8,414.78	8 1/2		8 1/2			
8 3/4	5,558.26	8 3/4	6,157.70	8 3/4	6,727.98	8 3/4	7,257.46	8 3/4	7,731.74	8 3/4	8,130.75	8 3/4	8,419.25	8 3/4		8 3/4			
9	5,570.99	9	6,169.93	9	6,739.50	9	7,268.00	9	7,740.95	9	8,138.13	9	8,423.73	9		9			
9 1/4	5,583.68	9 1/4	6,182.11	9 1/4	6,750.94	9 1/4	7,278.44	9 1/4	7,750.04	9 1/4	8,145.33	9 1/4	8,427.86	9 1/4		9 1/4			
9 1/2	5,596.38	9 1/2	6,194.30	9 1/2	6,762.39	9 1/2	7,288.88	9 1/2	7,759.12	9 1/2	8,152.52	9 1/2	8,431.98	9 1/2		9 1/2			
9 3/4	5,609.07	9 3/4	6,206.48	9 3/4	6,773.84	9 3/4	7,299.32	9 3/4	7,768.20	9 3/4	8,159.71	9 3/4	8,436.10	9 3/4		9 3/4			
10	5,621.77	10	6,218.67	10	6,785.28	10	7,309.75	10	7,777.29	10	8,166.91	10	8,440.22	10		10			
10 1/4	5,634.43	10 1/4	6,230.80	10 1/4	6,796.66	10 1/4	7,320.11	10 1/4	7,786.24	10 1/4	8,173.90	10 1/4	8,443.96	10 1/4		10 1/4			
10 1/2	5,647.09	10 1/2	6,242.93	10 1/2	6,808.03	10 1/2	7,330.45	10 1/2	7,795.19	10 1/2	8,180.90	10 1/2	8,447.69	10 1/2		10 1/2			
10 3/4	5,659.75	10 3/4	6,255.06	10 3/4	6,819.40	10 3/4	7,340.79	10 3/4	7,804.14	10 3/4	8,187.90	10 3/4	8,451.42	10 3/4		10 3/4			
11	5,672.41	11	6,267.19	11	6,830.78	11	7,351.13	11	7,813.09	11	8,194.90	11	8,455.16	11		11			
11 1/4	5,685.03	11 1/4	6,279.27	11 1/4	6,842.08	11 1/4	7,361.38	11 1/4	7,821.90	11 1/4	8,201.70	11 1/4	8,458.45	11 1/4		11 1/4			
11 1/2	5,697.66	11 1/2	6,291.34	11 1/2	6,853.38	11 1/2	7,371.62	11 1/2	7,830.72	11 1/2	8,208.50	11 1/2	8,461.75	11 1/2		11 1/2			
11 3/4	5,710.28	11 3/4	6,303.42	11 3/4	6,864.68	11 3/4	7,381.85	11 3/4	7,839.53	11 3/4	8,215.29	11 3/4	8,465.04	11 3/4		11 3/4			

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CALCULATED: 02/20/2013 CL  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/20/13

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY  
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