



# BARGE "KIRBY 28166"

## 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	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-5/8	- 02-5/8
1 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-5/8	- 02-5/8
2 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-5/8	- 02-5/8
2 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-5/8	- 02-5/8
3 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-1/2	- 02-1/2
3 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-1/2	- 02-1/2

(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 1 PORT IS - 00-7/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/8"

LENGTH BETWEEN DRAFT MARKS: 241'-06"

April 6, 2011

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
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<http://www.pmacorp.net>















BARGE "KIRBY 28166"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

Table with 19 columns (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.) and 42 rows of capacity data.

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 12'-09" OFF CENTERLINE AND 52'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.
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# BARGE "KIRBY 28166"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,421.47	0	2,057.50	0	1,693.51	0	1,333.41	0	970.37	0	606.52	0	242.49	0		0		0	
1/4	2,413.89	1/4	2,049.92	1/4	1,685.93	1/4	1,325.83	1/4	962.81	1/4	598.93	1/4	234.91	1/4		1/4		1/4	
1/2	2,406.31	1/2	2,042.33	1/2	1,678.35	1/2	1,318.24	1/2	955.26	1/2	591.35	1/2	227.33	1/2		1/2		1/2	
3/4	2,398.73	3/4	2,034.75	3/4	1,670.76	3/4	1,310.66	3/4	947.70	3/4	583.77	3/4	219.74	3/4		3/4		3/4	
1	2,391.14	1	2,027.17	1	1,663.18	1	1,303.07	1	940.14	1	576.18	1	212.16	1		1		1	
1/4	2,383.56	1/4	2,019.59	1/4	1,655.60	1/4	1,295.49	1/4	932.57	1/4	568.60	1/4	204.58	1/4		1/4		1/4	
1/2	2,375.98	1/2	2,012.00	1/2	1,648.01	1/2	1,287.91	1/2	925.00	1/2	561.01	1/2	197.00	1/2		1/2		1/2	
3/4	2,368.39	3/4	2,004.42	3/4	1,640.43	3/4	1,280.32	3/4	917.43	3/4	553.43	3/4	189.42	3/4		3/4		3/4	
2	2,360.81	2	1,996.84	2	1,632.85	2	1,272.74	2	909.86	2	545.85	2	181.84	2		2		2	
1/4	2,353.23	1/4	1,989.25	1/4	1,625.26	1/4	1,265.16	1/4	902.27	1/4	538.26	1/4	174.26	1/4		1/4		1/4	
1/2	2,345.65	1/2	1,981.67	1/2	1,617.68	1/2	1,257.57	1/2	894.69	1/2	530.68	1/2	166.69	1/2		1/2		1/2	
3/4	2,338.06	3/4	1,974.09	3/4	1,610.10	3/4	1,249.99	3/4	887.11	3/4	523.10	3/4	159.11	3/4		3/4		3/4	
3	2,330.48	3	1,966.50	3	1,602.52	3	1,242.40	3	879.52	3	515.51	3	151.54	3		3		3	
1/4	2,322.90	1/4	1,958.92	1/4	1,594.93	1/4	1,234.83	1/4	871.94	1/4	507.93	1/4	143.98	1/4		1/4		1/4	
1/2	2,315.31	1/2	1,951.34	1/2	1,587.35	1/2	1,227.26	1/2	864.36	1/2	500.34	1/2	136.41	1/2		1/2		1/2	
3/4	2,307.73	3/4	1,943.76	3/4	1,579.77	3/4	1,219.69	3/4	856.77	3/4	492.76	3/4	128.85	3/4		3/4		3/4	
4	2,300.15	4	1,936.17	4	1,572.18	4	1,212.12	4	849.19	4	485.18	4	121.29	4		4		4	
1/4	2,292.57	1/4	1,928.59	1/4	1,564.68	1/4	1,204.56	1/4	841.61	1/4	477.59	1/4	113.75	1/4		1/4		1/4	
1/2	2,284.98	1/2	1,921.01	1/2	1,557.18	1/2	1,197.01	1/2	834.02	1/2	470.01	1/2	106.21	1/2		1/2		1/2	
3/4	2,277.40	3/4	1,913.42	3/4	1,549.68	3/4	1,189.45	3/4	826.44	3/4	462.42	3/4	98.66	3/4		3/4		3/4	
5	2,269.82	5	1,905.84	5	1,542.17	5	1,181.89	5	818.86	5	454.84	5	91.12	5		5		5	
1/4	2,262.23	1/4	1,898.26	1/4	1,534.75	1/4	1,174.34	1/4	811.27	1/4	447.26	1/4	83.61	1/4		1/4		1/4	
1/2	2,254.65	1/2	1,890.67	1/2	1,527.33	1/2	1,166.79	1/2	803.69	1/2	439.67	1/2	76.10	1/2		1/2		1/2	
3/4	2,247.07	3/4	1,883.09	3/4	1,519.91	3/4	1,159.23	3/4	796.11	3/4	432.09	3/4	68.59	3/4		3/4		3/4	
6	2,239.49	6	1,875.51	6	1,512.49	6	1,151.68	6	788.52	6	424.51	6	61.09	6		6		6	
1/4	2,231.90	1/4	1,867.92	1/4	1,505.07	1/4	1,144.12	1/4	780.94	1/4	416.92	1/4	54.18	1/4		1/4		1/4	
1/2	2,224.32	1/2	1,860.34	1/2	1,497.65	1/2	1,136.57	1/2	773.36	1/2	409.34	1/2	47.28	1/2		1/2		1/2	
3/4	2,216.74	3/4	1,852.76	3/4	1,490.23	3/4	1,129.01	3/4	765.77	3/4	401.75	3/4	40.38	3/4		3/4		3/4	
7	2,209.16	7	1,845.17	7	1,482.81	7	1,121.46	7	758.19	7	394.17	7	33.48	7		7		7	
1/4	2,201.57	1/4	1,837.59	1/4	1,475.39	1/4	1,113.90	1/4	750.61	1/4	386.59	1/4	28.42	1/4		1/4		1/4	
1/2	2,193.99	1/2	1,830.01	1/2	1,467.97	1/2	1,106.35	1/2	743.02	1/2	379.00	1/2	23.37	1/2		1/2		1/2	
3/4	2,186.41	3/4	1,822.43	3/4	1,460.55	3/4	1,098.80	3/4	735.44	3/4	371.42	3/4	18.32	3/4		3/4		3/4	
8	2,178.82	8	1,814.84	8	1,453.12	8	1,091.24	8	727.86	8	363.84	8	13.26	8		8		8	
1/4	2,171.24	1/4	1,807.26	1/4	1,445.70	1/4	1,083.69	1/4	720.27	1/4	356.25	1/4		1/4		1/4		1/4	
1/2	2,163.66	1/2	1,799.68	1/2	1,438.28	1/2	1,076.13	1/2	712.69	1/2	348.67	1/2		1/2		1/2		1/2	
3/4	2,156.08	3/4	1,792.09	3/4	1,430.86	3/4	1,068.58	3/4	705.11	3/4	341.08	3/4		3/4		3/4		3/4	
9	2,148.49	9	1,784.51	9	1,423.44	9	1,061.02	9	697.52	9	333.50	9		9		9		9	
1/4	2,140.91	1/4	1,776.93	1/4	1,416.02	1/4	1,053.47	1/4	689.94	1/4	325.92	1/4		1/4		1/4		1/4	
1/2	2,133.33	1/2	1,769.34	1/2	1,408.60	1/2	1,045.91	1/2	682.36	1/2	318.33	1/2		1/2		1/2		1/2	
3/4	2,125.74	3/4	1,761.76	3/4	1,401.18	3/4	1,038.36	3/4	674.77	3/4	310.75	3/4		3/4		3/4		3/4	
10	2,118.16	10	1,754.18	10	1,393.75	10	1,030.80	10	667.19	10	303.16	10		10		10		10	
1/4	2,110.58	1/4	1,746.59	1/4	1,386.25	1/4	1,023.25	1/4	659.60	1/4	295.58	1/4		1/4		1/4		1/4	
1/2	2,103.00	1/2	1,739.01	1/2	1,378.75	1/2	1,015.70	1/2	652.02	1/2	288.00	1/2		1/2		1/2		1/2	
3/4	2,095.41	3/4	1,731.43	3/4	1,371.25	3/4	1,008.14	3/4	644.44	3/4	280.41	3/4		3/4		3/4		3/4	
11	2,087.83	11	1,723.85	11	1,363.74	11	1,000.59	11	636.85	11	272.83	11		11		11		11	
1/4	2,080.25	1/4	1,716.26	1/4	1,356.16	1/4	993.03	1/4	629.27	1/4	265.25	1/4		1/4		1/4		1/4	
1/2	2,072.66	1/2	1,708.68	1/2	1,348.58	1/2	985.48	1/2	621.68	1/2	257.66	1/2		1/2		1/2		1/2	
3/4	2,065.08	3/4	1,701.10	3/4	1,340.99	3/4	977.92	3/4	614.10	3/4	250.08	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2011 CL - SW  
CALCULATED: 04/06/2011 CL  
PRINTED: 04/06/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2011

PRECISION MEASUREMENT  
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# BARGE "KIRBY 28166"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	4,456.52	1/4	4,201.05	1/4	3,939.58	1/4	3,664.40	1/4	3,381.69	1/4	3,018.48	1/4	2,654.86		
1/2		1/2		1/2		1/2	4,446.75	1/2	4,190.45	1/2	3,928.33	1/2	3,652.73	1/2	3,367.38	1/2	3,003.33	1/2	2,639.71		
3/4		3/4		3/4		3/4	4,441.71	3/4	4,185.14	3/4	3,922.70	3/4	3,646.90	3/4	3,359.78	3/4	2,995.76	3/4	2,632.13		
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4,436.67</b>	<b>1</b>	<b>4,179.83</b>	<b>1</b>	<b>3,917.06</b>	<b>1</b>	<b>3,641.06</b>	<b>1</b>	<b>3,352.19</b>	<b>1</b>	<b>2,988.18</b>	<b>1</b>	<b>2,624.56</b>		
1/4		1/4		1/4		1/4	4,431.64	1/4	4,174.52	1/4	3,911.43	1/4	3,635.23	1/4	3,344.59	1/4	2,980.61	1/4	2,616.98		
1/2		1/2		1/2		1/2	4,425.96	1/2	4,169.19	1/2	3,905.78	1/2	3,629.39	1/2	3,336.99	1/2	2,973.03	1/2	2,609.41		
3/4		3/4		3/4		3/4	4,420.29	3/4	4,163.86	3/4	3,900.13	3/4	3,623.56	3/4	3,329.40	3/4	2,965.45	3/4	2,601.83		
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>4,414.62</b>	<b>2</b>	<b>4,158.53</b>	<b>2</b>	<b>3,894.47</b>	<b>2</b>	<b>3,617.72</b>	<b>2</b>	<b>3,321.80</b>	<b>2</b>	<b>2,957.88</b>	<b>2</b>	<b>2,594.26</b>		
1/4		1/4		1/4		1/4	4,408.95	1/4	4,153.20	1/4	3,888.82	1/4	3,611.89	1/4	3,314.21	1/4	2,950.30	1/4	2,586.68		
1/2		1/2		1/2		1/2	4,403.20	1/2	4,147.85	1/2	3,883.15	1/2	3,606.06	1/2	3,306.61	1/2	2,942.73	1/2	2,579.10		
3/4		3/4		3/4		3/4	4,397.45	3/4	4,142.50	3/4	3,877.48	3/4	3,600.22	3/4	3,299.02	3/4	2,935.15	3/4	2,571.53		
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4,391.70</b>	<b>3</b>	<b>4,137.15</b>	<b>3</b>	<b>3,871.81</b>	<b>3</b>	<b>3,594.39</b>	<b>3</b>	<b>3,291.42</b>	<b>3</b>	<b>2,927.58</b>	<b>3</b>	<b>2,563.95</b>		
1/4		1/4		1/4		1/4	4,385.95	1/4	4,131.80	1/4	3,866.13	1/4	3,588.55	1/4	3,283.83	1/4	2,920.00	1/4	2,556.38		
1/2		1/2		1/2		1/2	4,380.35	1/2	4,126.43	1/2	3,860.45	1/2	3,582.72	1/2	3,276.23	1/2	2,912.43	1/2	2,548.80		
3/4		3/4		3/4		3/4	4,374.74	3/4	4,121.07	3/4	3,854.76	3/4	3,576.88	3/4	3,268.64	3/4	2,904.85	3/4	2,541.23		
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4,369.14</b>	<b>4</b>	<b>4,115.70</b>	<b>4</b>	<b>3,849.07</b>	<b>4</b>	<b>3,571.05</b>	<b>4</b>	<b>3,261.04</b>	<b>4</b>	<b>2,897.28</b>	<b>4</b>	<b>2,533.65</b>		
1/4		1/4		1/4		1/4	4,363.54	1/4	4,110.33	1/4	3,843.38	1/4	3,565.21	1/4	3,253.44	1/4	2,889.70	1/4	2,526.08		
1/2		1/2		1/2		1/2	4,358.23	1/2	4,104.94	1/2	3,837.67	1/2	3,559.38	1/2	3,245.85	1/2	2,882.12	1/2	2,518.50		
3/4		3/4		3/4		3/4	4,352.92	3/4	4,099.55	3/4	3,831.96	3/4	3,553.54	3/4	3,238.25	3/4	2,874.55	3/4	2,510.92		
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4,347.62</b>	<b>5</b>	<b>4,094.16</b>	<b>5</b>	<b>3,826.26</b>	<b>5</b>	<b>3,547.71</b>	<b>5</b>	<b>3,230.66</b>	<b>5</b>	<b>2,866.97</b>	<b>5</b>	<b>2,503.35</b>		
1/4		1/4		1/4		1/4	4,342.31	1/4	4,088.77	1/4	3,820.55	1/4	3,541.87	1/4	3,223.06	1/4	2,859.40	1/4	2,495.77		
1/2		1/2		1/2		1/2	4,337.13	1/2	4,083.36	1/2	3,814.82	1/2	3,536.04	1/2	3,215.48	1/2	2,851.82	1/2	2,488.20		
3/4		3/4		3/4		3/4	4,331.96	3/4	4,077.96	3/4	3,809.09	3/4	3,530.20	3/4	3,207.89	3/4	2,844.25	3/4	2,480.62		
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>4,326.78</b>	<b>6</b>	<b>4,072.55</b>	<b>6</b>	<b>3,803.36</b>	<b>6</b>	<b>3,524.37</b>	<b>6</b>	<b>3,200.31</b>	<b>6</b>	<b>2,836.67</b>	<b>6</b>	<b>2,473.05</b>		
1/4		1/4		1/4		1/4	4,321.61	1/4	4,067.14	1/4	3,797.64	1/4	3,518.53	1/4	3,192.72	1/4	2,829.10	1/4	2,465.47		
1/2		1/2		1/2		1/2	4,316.42	1/2	4,061.69	1/2	3,791.89	1/2	3,512.70	1/2	3,185.14	1/2	2,821.52	1/2	2,457.90		
3/4		3/4		3/4		3/4	4,311.22	3/4	4,056.24	3/4	3,786.14	3/4	3,506.86	3/4	3,177.57	3/4	2,813.94	3/4	2,450.32		
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>4,306.03</b>	<b>7</b>	<b>4,050.79</b>	<b>7</b>	<b>3,780.39</b>	<b>7</b>	<b>3,501.03</b>	<b>7</b>	<b>3,169.99</b>	<b>7</b>	<b>2,806.37</b>	<b>7</b>	<b>2,442.75</b>		
1/4		1/4		1/4		1/4	4,300.83	1/4	4,045.34	1/4	3,774.65	1/4	3,495.19	1/4	3,162.42	1/4	2,798.79	1/4	2,435.17		
1/2		1/2		1/2		1/2	4,295.62	1/2	4,039.83	1/2	3,768.88	1/2	3,489.36	1/2	3,154.84	1/2	2,791.22	1/2	2,427.59		
3/4		3/4		3/4		3/4	4,290.41	3/4	4,034.31	3/4	3,763.11	3/4	3,483.52	3/4	3,147.27	3/4	2,783.64	3/4	2,420.02		
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>4,285.19</b>	<b>8</b>	<b>4,028.80</b>	<b>8</b>	<b>3,757.34</b>	<b>8</b>	<b>3,477.69</b>	<b>8</b>	<b>3,139.69</b>	<b>8</b>	<b>2,776.07</b>	<b>8</b>	<b>2,412.44</b>		
1/4		1/4		1/4		1/4	4,279.98	1/4	4,023.29	1/4	3,751.58	1/4	3,471.85	1/4	3,132.12	1/4	2,768.49	1/4	2,404.87		
1/2		1/2		1/2		1/2	4,274.74	1/2	4,017.74	1/2	3,745.79	1/2	3,466.02	1/2	3,124.54	1/2	2,760.92	1/2	2,397.29		
3/4		3/4		3/4		3/4	4,269.51	3/4	4,012.18	3/4	3,740.00	3/4	3,460.18	3/4	3,116.96	3/4	2,753.34	3/4	2,389.72		
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>4,264.27</b>	<b>9</b>	<b>4,006.63</b>	<b>9</b>	<b>3,734.21</b>	<b>9</b>	<b>3,454.35</b>	<b>9</b>	<b>3,109.39</b>	<b>9</b>	<b>2,745.77</b>	<b>9</b>	<b>2,382.14</b>		
1/4		1/4		1/4		1/4	4,259.04	1/4	4,001.08	1/4	3,728.43	1/4	3,448.51	1/4	3,101.81	1/4	2,738.19	1/4	2,374.57		
1/2		1/2		1/2		1/2	4,253.79	1/2	3,995.51	1/2	3,722.62	1/2	3,442.68	1/2	3,094.24	1/2	2,730.61	1/2	2,366.99		
3/4		3/4		3/4		3/4	4,248.53	3/4	3,989.93	3/4	3,716.81	3/4	3,436.84	3/4	3,086.66	3/4	2,723.04	3/4	2,359.41		
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>4,243.28</b>	<b>10</b>	<b>3,984.36</b>	<b>10</b>	<b>3,711.00</b>	<b>10</b>	<b>3,431.01</b>	<b>10</b>	<b>3,079.09</b>	<b>10</b>	<b>2,715.46</b>	<b>10</b>	<b>2,351.84</b>		
1/4		1/4		1/4		1/4	4,238.02	1/4	3,978.79	1/4	3,705.20	1/4	3,425.17	1/4	3,071.51	1/4	2,707.89	1/4	2,344.26		
1/2		1/2		1/2		1/2	4,232.75	1/2	3,973.19	1/2	3,699.37	1/2	3,419.34	1/2	3,063.94	1/2	2,700.31	1/2	2,336.69		
3/4		3/4		3/4		3/4	4,227.48	3/4	3,967.60	3/4	3,693.55	3/4	3,413.50	3/4	3,056.36	3/4	2,692.74	3/4	2,329.11		
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>4,222.20</b>	<b>11</b>	<b>3,962.01</b>	<b>11</b>	<b>3,687.72</b>	<b>11</b>	<b>3,407.67</b>	<b>11</b>	<b>3,048.79</b>	<b>11</b>	<b>2,685.16</b>	<b>11</b>	<b>2,321.54</b>		
1/4		1/4		1/4		1/4	4,216.93	1/4	3,956.41	1/4	3,681.90	1/4	3,401.83	1/4	3,041.21	1/4	2,677.59	1/4	2,313.96		
1/2		1/2		1/2		1/2	4,211.63	1/2	3,950.80	1/2	3,676.07	1/2	3,395.12	1/2	3,033.63	1/2	2,670.01	1/2	2,306.39		
3/4		3/4		3/4		3/4	4,461.25	3/4	4,206.34	3/4	3,945.19	3/4	3,670.23	3/4	3,388.40	3/4	3,026.06	3/4	2,662.43	3/4	2,298.81

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 12'-09" OFF CENTERLINE AND 52'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 28166"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

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	2,291.24	0	1,927.61	0	1,564.09	0	1,204.98	0	850.87	0	493.69	0	130.00	0		0		0	
1/4	2,283.66	1/4	1,920.03	1/4	1,556.54	1/4	1,197.42	1/4	843.51	1/4	486.09	1/4	122.72	1/4		1/4		1/4	
1/2	2,276.08	1/2	1,912.46	1/2	1,548.99	1/2	1,189.86	1/2	836.13	1/2	478.49	1/2	116.39	1/2		1/2		1/2	
3/4	2,268.51	3/4	1,904.88	3/4	1,541.44	3/4	1,182.30	3/4	828.76	3/4	470.90	3/4	110.07	3/4		3/4		3/4	
1	2,260.93	1	1,897.31	1	1,533.88	1	1,174.74	1	821.39	1	463.30	1	103.74	1		1		1	
1/4	2,253.36	1/4	1,889.73	1/4	1,526.33	1/4	1,167.18	1/4	814.02	1/4	455.70	1/4	97.41	1/4		1/4		1/4	
1/2	2,245.78	1/2	1,882.16	1/2	1,518.78	1/2	1,159.72	1/2	806.63	1/2	448.11	1/2	92.35	1/2		1/2		1/2	
3/4	2,238.21	3/4	1,874.58	3/4	1,511.23	3/4	1,152.27	3/4	799.24	3/4	440.51	3/4	87.29	3/4		3/4		3/4	
2	2,230.63	2	1,867.00	2	1,503.68	2	1,144.81	2	791.86	2	432.91	2	82.23	2		2		2	
1/4	2,223.06	1/4	1,859.43	1/4	1,496.12	1/4	1,137.35	1/4	784.47	1/4	425.32	1/4	77.18	1/4		1/4		1/4	
1/2	2,215.48	1/2	1,851.85	1/2	1,488.57	1/2	1,130.01	1/2	777.09	1/2	417.72	1/2	73.40	1/2		1/2		1/2	
3/4	2,207.90	3/4	1,844.28	3/4	1,481.02	3/4	1,122.66	3/4	769.70	3/4	410.12	3/4	69.61	3/4		3/4		3/4	
3	2,200.33	3	1,836.70	3	1,473.47	3	1,115.32	3	762.32	3	402.53	3	65.83	3		3		3	
1/4	2,192.75	1/4	1,829.13	1/4	1,465.91	1/4	1,107.97	1/4	754.93	1/4	394.93	1/4	62.05	1/4		1/4		1/4	
1/2	2,185.18	1/2	1,821.55	1/2	1,458.44	1/2	1,100.63	1/2	747.54	1/2	387.34	1/2	59.56	1/2		1/2		1/2	
3/4	2,177.60	3/4	1,813.97	3/4	1,450.97	3/4	1,093.29	3/4	740.16	3/4	379.74	3/4	57.06	3/4		3/4		3/4	
4	2,170.03	4	1,806.40	4	1,443.50	4	1,085.95	4	732.77	4	372.14	4	54.56	4		4		4	
1/4	2,162.45	1/4	1,798.82	1/4	1,436.03	1/4	1,078.61	1/4	725.39	1/4	364.55	1/4	52.07	1/4		1/4		1/4	
1/2	2,154.88	1/2	1,791.25	1/2	1,428.63	1/2	1,071.27	1/2	718.00	1/2	356.95	1/2	50.87	1/2		1/2		1/2	
3/4	2,147.30	3/4	1,783.67	3/4	1,421.23	3/4	1,063.93	3/4	710.61	3/4	349.35	3/4	49.67	3/4		3/4		3/4	
5	2,139.73	5	1,776.10	5	1,413.82	5	1,056.59	5	703.23	5	341.76	5	48.47	5		5		5	
1/4	2,132.15	1/4	1,768.52	1/4	1,406.42	1/4	1,049.25	1/4	695.84	1/4	334.16	1/4	47.27	1/4		1/4		1/4	
1/2	2,124.57	1/2	1,760.94	1/2	1,399.01	1/2	1,041.91	1/2	688.46	1/2	326.56	1/2		1/2		1/2		1/2	
3/4	2,117.00	3/4	1,753.37	3/4	1,391.59	3/4	1,034.58	3/4	681.07	3/4	318.97	3/4		3/4		3/4		3/4	
6	2,109.42	6	1,745.79	6	1,384.18	6	1,027.24	6	673.69	6	311.37	6		6		6		6	
1/4	2,101.85	1/4	1,738.22	1/4	1,376.76	1/4	1,019.90	1/4	666.30	1/4	303.77	1/4		1/4		1/4		1/4	
1/2	2,094.27	1/2	1,730.64	1/2	1,369.35	1/2	1,012.56	1/2	658.91	1/2	296.18	1/2		1/2		1/2		1/2	
3/4	2,086.70	3/4	1,723.07	3/4	1,361.93	3/4	1,005.22	3/4	651.53	3/4	288.58	3/4		3/4		3/4		3/4	
7	2,079.12	7	1,715.49	7	1,354.52	7	997.88	7	644.14	7	280.98	7		7		7		7	
1/4	2,071.55	1/4	1,707.91	1/4	1,347.10	1/4	990.54	1/4	636.76	1/4	273.39	1/4		1/4		1/4		1/4	
1/2	2,063.97	1/2	1,700.34	1/2	1,339.69	1/2	983.20	1/2	629.37	1/2	265.79	1/2		1/2		1/2		1/2	
3/4	2,056.39	3/4	1,692.76	3/4	1,332.27	3/4	975.87	3/4	621.99	3/4	258.19	3/4		3/4		3/4		3/4	
8	2,048.82	8	1,685.19	8	1,324.86	8	968.53	8	614.60	8	250.60	8		8		8		8	
1/4	2,041.24	1/4	1,677.61	1/4	1,317.44	1/4	961.19	1/4	607.21	1/4	243.00	1/4		1/4		1/4		1/4	
1/2	2,033.67	1/2	1,670.04	1/2	1,310.04	1/2	953.84	1/2	599.72	1/2	235.41	1/2		1/2		1/2		1/2	
3/4	2,026.09	3/4	1,662.46	3/4	1,302.63	3/4	946.49	3/4	592.23	3/4	227.81	3/4		3/4		3/4		3/4	
9	2,018.52	9	1,654.88	9	1,295.22	9	939.15	9	584.74	9	220.21	9		9		9		9	
1/4	2,010.94	1/4	1,647.31	1/4	1,287.82	1/4	931.80	1/4	577.25	1/4	212.62	1/4		1/4		1/4		1/4	
1/2	2,003.37	1/2	1,639.73	1/2	1,280.34	1/2	924.44	1/2	569.65	1/2	205.02	1/2		1/2		1/2		1/2	
3/4	1,995.79	3/4	1,632.16	3/4	1,272.86	3/4	917.08	3/4	562.05	3/4	197.42	3/4		3/4		3/4		3/4	
10	1,988.22	10	1,624.58	10	1,265.38	10	909.73	10	554.46	10	189.83	10		10		10		10	
1/4	1,980.64	1/4	1,617.01	1/4	1,257.90	1/4	902.37	1/4	546.86	1/4	182.23	1/4		1/4		1/4		1/4	
1/2	1,973.06	1/2	1,609.44	1/2	1,250.34	1/2	895.01	1/2	539.27	1/2	174.63	1/2		1/2		1/2		1/2	
3/4	1,965.49	3/4	1,601.88	3/4	1,242.78	3/4	887.66	3/4	531.67	3/4	167.04	3/4		3/4		3/4		3/4	
11	1,957.91	11	1,594.31	11	1,235.22	11	880.30	11	524.07	11	159.44	11		11		11		11	
1/4	1,950.34	1/4	1,586.75	1/4	1,227.66	1/4	872.94	1/4	516.48	1/4	151.84	1/4		1/4		1/4		1/4	
1/2	1,942.76	1/2	1,579.20	1/2	1,220.10	1/2	865.58	1/2	508.88	1/2	144.56	1/2		1/2		1/2		1/2	
3/4	1,935.19	3/4	1,571.65	3/4	1,212.54	3/4	858.23	3/4	501.28	3/4	137.28	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2011 CL - SW  
CALCULATED: 04/06/2011 CL  
PRINTED: 04/06/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2011

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



# BARGE "KIRBY 28166"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,484.13	0	4,229.22	0	3,968.07	0	3,693.12	0	3,411.28	0	3,048.46	0	2,683.87		
1/4		1/4		1/4		1/4	4,479.40	1/4	4,223.93	1/4	3,962.46	1/4	3,687.28	1/4	3,404.57	1/4	3,040.86	1/4	2,676.28		
1/2		1/2		1/2		1/2	4,474.67	1/2	4,218.64	1/2	3,956.84	1/2	3,681.45	1/2	3,397.85	1/2	3,033.27	1/2	2,668.68		
3/4		3/4		3/4		3/4	4,469.63	3/4	4,213.33	3/4	3,951.21	3/4	3,675.62	3/4	3,390.25	3/4	3,025.67	3/4	2,661.09		
1		1		1		1	4,464.59	1	4,208.02	1	3,945.58	1	3,669.78	1	3,382.66	1	3,018.07	1	2,653.49		
1/4		1/4		1/4		1/4	4,459.56	1/4	4,202.71	1/4	3,939.95	1/4	3,663.95	1/4	3,375.06	1/4	3,010.48	1/4	2,645.90		
1/2		1/2		1/2		1/2	4,454.52	1/2	4,197.40	1/2	3,934.31	1/2	3,658.11	1/2	3,367.47	1/2	3,002.88	1/2	2,638.30		
3/4		3/4		3/4		3/4	4,448.84	3/4	4,192.07	3/4	3,928.66	3/4	3,652.28	3/4	3,359.87	3/4	2,995.29	3/4	2,630.70		
2		2		2		2	4,443.17	2	4,186.74	2	3,923.01	2	3,646.44	2	3,352.28	2	2,987.69	2	2,623.11		
1/4		1/4		1/4		1/4	4,437.50	1/4	4,181.41	1/4	3,917.35	1/4	3,640.61	1/4	3,344.68	1/4	2,980.10	1/4	2,615.51		
1/2		1/2		1/2		1/2	4,431.83	1/2	4,176.08	1/2	3,911.70	1/2	3,634.77	1/2	3,337.09	1/2	2,972.50	1/2	2,607.92		
3/4		3/4		3/4		3/4	4,426.08	3/4	4,170.73	3/4	3,906.03	3/4	3,628.94	3/4	3,329.49	3/4	2,964.91	3/4	2,600.32		
3		3		3		3	4,420.33	3	4,165.38	3	3,900.36	3	3,623.10	3	3,321.89	3	2,957.31	3	2,592.73		
1/4		1/4		1/4		1/4	4,414.58	1/4	4,160.03	1/4	3,894.69	1/4	3,617.27	1/4	3,314.30	1/4	2,949.72	1/4	2,585.13		
1/2		1/2		1/2		1/2	4,408.83	1/2	4,154.68	1/2	3,889.02	1/2	3,611.43	1/2	3,306.70	1/2	2,942.12	1/2	2,577.54		
3/4		3/4		3/4		3/4	4,403.23	3/4	4,149.32	3/4	3,883.33	3/4	3,605.60	3/4	3,299.11	3/4	2,934.52	3/4	2,569.94		
4		4		4		4	4,397.63	4	4,143.95	4	3,877.64	4	3,599.76	4	3,291.51	4	2,926.93	4	2,562.34		
1/4		1/4		1/4		1/4	4,392.02	1/4	4,138.58	1/4	3,871.95	1/4	3,593.93	1/4	3,283.92	1/4	2,919.33	1/4	2,554.75		
1/2		1/2		1/2		1/2	4,386.42	1/2	4,133.21	1/2	3,866.26	1/2	3,588.09	1/2	3,276.32	1/2	2,911.74	1/2	2,547.15		
3/4		3/4		3/4		3/4	4,381.11	3/4	4,127.82	3/4	3,860.55	3/4	3,582.26	3/4	3,268.73	3/4	2,904.14	3/4	2,539.56		
5		5		5		5	4,375.81	5	4,122.43	5	3,854.84	5	3,576.42	5	3,261.13	5	2,896.55	5	2,531.96		
1/4		1/4		1/4		1/4	4,370.50	1/4	4,117.04	1/4	3,849.14	1/4	3,570.59	1/4	3,253.54	1/4	2,888.95	1/4	2,524.37		
1/2		1/2		1/2		1/2	4,365.19	1/2	4,111.65	1/2	3,843.43	1/2	3,564.75	1/2	3,245.94	1/2	2,881.36	1/2	2,516.77		
3/4		3/4		3/4		3/4	4,360.01	3/4	4,106.25	3/4	3,837.70	3/4	3,558.92	3/4	3,238.34	3/4	2,873.76	3/4	2,509.18		
6		6		6		6	4,354.84	6	4,100.84	6	3,831.97	6	3,553.08	6	3,230.75	6	2,866.16	6	2,501.58		
1/4		1/4		1/4		1/4	4,349.67	1/4	4,095.43	1/4	3,826.25	1/4	3,547.25	1/4	3,223.15	1/4	2,858.57	1/4	2,493.99		
1/2		1/2		1/2		1/2	4,344.49	1/2	4,090.02	1/2	3,820.52	1/2	3,541.41	1/2	3,215.56	1/2	2,850.97	1/2	2,486.39		
3/4		3/4		3/4		3/4	4,339.30	3/4	4,084.57	3/4	3,814.77	3/4	3,535.58	3/4	3,207.96	3/4	2,843.38	3/4	2,478.79		
7		7		7		7	4,334.10	7	4,079.12	7	3,809.02	7	3,529.74	7	3,200.37	7	2,835.78	7	2,471.20		
1/4		1/4		1/4		1/4	4,328.91	1/4	4,073.67	1/4	3,803.28	1/4	3,523.91	1/4	3,192.77	1/4	2,828.19	1/4	2,463.60		
1/2		1/2		1/2		1/2	4,323.71	1/2	4,068.22	1/2	3,797.53	1/2	3,518.07	1/2	3,185.18	1/2	2,820.59	1/2	2,456.01		
3/4		3/4		3/4		3/4	4,318.50	3/4	4,062.71	3/4	3,791.76	3/4	3,512.24	3/4	3,177.58	3/4	2,813.00	3/4	2,448.41		
8		8		8		8	4,313.29	8	4,057.20	8	3,785.99	8	3,506.40	8	3,169.98	8	2,805.40	8	2,440.82		
1/4		1/4		1/4		1/4	4,308.07	1/4	4,051.68	1/4	3,780.23	1/4	3,500.57	1/4	3,162.39	1/4	2,797.81	1/4	2,433.22		
1/2		1/2		1/2		1/2	4,302.86	1/2	4,046.17	1/2	3,774.46	1/2	3,494.73	1/2	3,154.79	1/2	2,790.21	1/2	2,425.63		
3/4		3/4		3/4		3/4	4,297.62	3/4	4,040.62	3/4	3,768.67	3/4	3,488.90	3/4	3,147.20	3/4	2,782.61	3/4	2,418.03		
9		9		9		9	4,292.39	9	4,035.07	9	3,762.88	9	3,483.06	9	3,139.60	9	2,775.02	9	2,410.43		
1/4		1/4		1/4		1/4	4,287.16	1/4	4,029.51	1/4	3,757.10	1/4	3,477.23	1/4	3,132.01	1/4	2,767.42	1/4	2,402.84		
1/2		1/2		1/2		1/2	4,281.92	1/2	4,023.96	1/2	3,751.31	1/2	3,471.39	1/2	3,124.41	1/2	2,759.83	1/2	2,395.24		
3/4		3/4		3/4		3/4	4,276.67	3/4	4,018.39	3/4	3,745.50	3/4	3,465.56	3/4	3,116.82	3/4	2,752.23	3/4	2,387.65		
10		10		10		10	4,271.41	10	4,012.81	10	3,739.69	10	3,459.72	10	3,109.22	10	2,744.64	10	2,380.05		
1/4		1/4		1/4		1/4	4,266.16	1/4	4,007.24	1/4	3,733.89	1/4	3,453.89	1/4	3,101.63	1/4	2,737.04	1/4	2,372.46		
1/2		1/2		1/2		1/2	4,260.90	1/2	4,001.67	1/2	3,728.08	1/2	3,448.05	1/2	3,094.03	1/2	2,729.45	1/2	2,364.86		
3/4		3/4		3/4		3/4	4,255.63	3/4	3,996.07	3/4	3,722.25	3/4	3,442.22	3/4	3,086.43	3/4	2,721.85	3/4	2,357.27		
11		11		11		11	4,250.36	11	3,990.48	11	3,716.43	11	3,436.38	11	3,078.84	11	2,714.25	11	2,349.67		
1/4		1/4		1/4		1/4	4,245.08	1/4	3,984.89	1/4	3,710.61	1/4	3,430.55	1/4	3,071.24	1/4	2,706.66	1/4	2,342.08		
1/2		1/2		1/2		1/2	4,493.60	1/2	4,239.81	1/2	3,979.30	1/2	3,704.78	1/2	3,424.71	1/2	3,063.65	1/2	2,699.06	1/2	2,334.48
3/4		3/4		3/4		3/4	4,488.87	3/4	4,234.52	3/4	3,973.68	3/4	3,698.95	3/4	3,418.00	3/4	3,056.05	3/4	2,691.47	3/4	2,326.88

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 12'-09" OFF CENTERLINE AND 52'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 28166"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,319.29	0	1,954.70	0	1,590.11	0	1,229.39	0	865.80	0	501.28	0	137.28	0		0		0	
1/4	2,311.69	1/4	1,947.11	1/4	1,582.51	1/4	1,221.80	1/4	858.23	1/4	493.69	1/4	130.00	1/4	1/4	1/4		1/4	
1/2	2,304.10	1/2	1,939.51	1/2	1,574.92	1/2	1,214.20	1/2	850.66	1/2	486.09	1/2	122.72	1/2	1/2	1/2		1/2	
3/4	2,296.50	3/4	1,931.91	3/4	1,567.32	3/4	1,206.60	3/4	843.08	3/4	478.49	3/4	116.39	3/4	3/4	3/4		3/4	
1	2,288.91	1	1,924.32	1	1,559.73	1	1,199.01	1	835.49	1	470.90	1	110.07	1	1	1		1	
1/4	2,281.31	1/4	1,916.72	1/4	1,552.13	1/4	1,191.41	1/4	827.91	1/4	463.30	1/4	103.74	1/4	1/4	1/4		1/4	
1/2	2,273.72	1/2	1,909.13	1/2	1,544.53	1/2	1,183.81	1/2	820.33	1/2	455.70	1/2	97.41	1/2	1/2	1/2		1/2	
3/4	2,266.12	3/4	1,901.53	3/4	1,536.94	3/4	1,176.22	3/4	812.73	3/4	448.11	3/4	92.35	3/4	3/4	3/4		3/4	
2	2,258.52	2	1,893.94	2	1,529.34	2	1,168.62	2	805.13	2	440.51	2	87.29	2	2	2		2	
1/4	2,250.93	1/4	1,886.34	1/4	1,521.75	1/4	1,161.02	1/4	797.54	1/4	432.91	1/4	82.23	1/4	1/4	1/4		1/4	
1/2	2,243.33	1/2	1,878.74	1/2	1,514.15	1/2	1,153.43	1/2	789.94	1/2	425.32	1/2	77.18	1/2	1/2	1/2		1/2	
3/4	2,235.74	3/4	1,871.15	3/4	1,506.56	3/4	1,145.84	3/4	782.34	3/4	417.72	3/4	73.40	3/4	3/4	3/4		3/4	
3	2,228.14	3	1,863.55	3	1,498.96	3	1,138.26	3	774.75	3	410.12	3	69.61	3	3	3		3	
1/4	2,220.55	1/4	1,855.96	1/4	1,491.36	1/4	1,130.68	1/4	767.15	1/4	402.53	1/4	65.83	1/4	1/4	1/4		1/4	
1/2	2,212.95	1/2	1,848.36	1/2	1,483.77	1/2	1,123.09	1/2	759.56	1/2	394.93	1/2	62.05	1/2	1/2	1/2		1/2	
3/4	2,205.36	3/4	1,840.77	3/4	1,476.25	3/4	1,115.52	3/4	751.96	3/4	387.34	3/4	59.56	3/4	3/4	3/4		3/4	
4	2,197.76	4	1,833.17	4	1,468.74	4	1,107.96	4	744.36	4	379.74	4	57.06	4	4	4		4	
1/4	2,190.17	1/4	1,825.57	1/4	1,461.22	1/4	1,100.39	1/4	736.77	1/4	372.14	1/4	54.56	1/4	1/4	1/4		1/4	
1/2	2,182.57	1/2	1,817.98	1/2	1,453.71	1/2	1,092.82	1/2	729.17	1/2	364.55	1/2	52.07	1/2	1/2	1/2		1/2	
3/4	2,174.97	3/4	1,810.38	3/4	1,446.28	3/4	1,085.25	3/4	721.58	3/4	356.95	3/4	50.87	3/4	3/4	3/4		3/4	
5	2,167.38	5	1,802.79	5	1,438.84	5	1,077.68	5	713.98	5	349.35	5	49.67	5	5	5		5	
1/4	2,159.78	1/4	1,795.19	1/4	1,431.41	1/4	1,070.12	1/4	706.38	1/4	341.76	1/4	48.47	1/4	1/4	1/4		1/4	
1/2	2,152.19	1/2	1,787.60	1/2	1,423.97	1/2	1,062.55	1/2	698.79	1/2	334.16	1/2	47.27	1/2	1/2	1/2		1/2	
3/4	2,144.59	3/4	1,780.00	3/4	1,416.54	3/4	1,054.98	3/4	691.19	3/4	326.56	3/4		3/4	3/4	3/4		3/4	
6	2,137.00	6	1,772.40	6	1,409.11	6	1,047.41	6	683.60	6	318.97	6		6	6	6		6	
1/4	2,129.40	1/4	1,764.81	1/4	1,401.67	1/4	1,039.85	1/4	676.00	1/4	311.37	1/4		1/4	1/4	1/4		1/4	
1/2	2,121.81	1/2	1,757.21	1/2	1,394.24	1/2	1,032.28	1/2	668.40	1/2	303.77	1/2		1/2	1/2	1/2		1/2	
3/4	2,114.21	3/4	1,749.62	3/4	1,386.81	3/4	1,024.71	3/4	660.81	3/4	296.18	3/4		3/4	3/4	3/4		3/4	
7	2,106.61	7	1,742.02	7	1,379.37	7	1,017.15	7	653.21	7	288.58	7		7	7	7		7	
1/4	2,099.02	1/4	1,734.43	1/4	1,371.94	1/4	1,009.58	1/4	645.61	1/4	280.98	1/4		1/4	1/4	1/4		1/4	
1/2	2,091.42	1/2	1,726.83	1/2	1,364.50	1/2	1,002.01	1/2	638.02	1/2	273.39	1/2		1/2	1/2	1/2		1/2	
3/4	2,083.83	3/4	1,719.23	3/4	1,357.07	3/4	994.44	3/4	630.42	3/4	265.79	3/4		3/4	3/4	3/4		3/4	
8	2,076.23	8	1,711.64	8	1,349.64	8	986.88	8	622.83	8	258.19	8		8	8	8		8	
1/4	2,068.64	1/4	1,704.04	1/4	1,342.20	1/4	979.31	1/4	615.23	1/4	250.60	1/4		1/4	1/4	1/4		1/4	
1/2	2,061.04	1/2	1,696.45	1/2	1,334.77	1/2	971.74	1/2	607.63	1/2	243.00	1/2		1/2	1/2	1/2		1/2	
3/4	2,053.45	3/4	1,688.85	3/4	1,327.33	3/4	964.17	3/4	600.04	3/4	235.41	3/4		3/4	3/4	3/4		3/4	
9	2,045.85	9	1,681.26	9	1,319.90	9	956.61	9	592.44	9	227.81	9		9	9	9		9	
1/4	2,038.26	1/4	1,673.66	1/4	1,312.47	1/4	949.04	1/4	584.84	1/4	220.21	1/4		1/4	1/4	1/4		1/4	
1/2	2,030.66	1/2	1,666.06	1/2	1,305.03	1/2	941.47	1/2	577.25	1/2	212.62	1/2		1/2	1/2	1/2		1/2	
3/4	2,023.06	3/4	1,658.47	3/4	1,297.52	3/4	933.91	3/4	569.65	3/4	205.02	3/4		3/4	3/4	3/4		3/4	
10	2,015.47	10	1,650.87	10	1,290.00	10	926.34	10	562.05	10	197.42	10		10	10	10		10	
1/4	2,007.87	1/4	1,643.28	1/4	1,282.49	1/4	918.77	1/4	554.46	1/4	189.83	1/4		1/4	1/4	1/4		1/4	
1/2	2,000.28	1/2	1,635.68	1/2	1,274.97	1/2	911.20	1/2	546.86	1/2	182.23	1/2		1/2	1/2	1/2		1/2	
3/4	1,992.68	3/4	1,628.09	3/4	1,267.37	3/4	903.64	3/4	539.27	3/4	174.63	3/4		3/4	3/4	3/4		3/4	
11	1,985.09	11	1,620.49	11	1,259.78	11	896.07	11	531.67	11	167.04	11		11	11	11		11	
1/4	1,977.49	1/4	1,612.89	1/4	1,252.18	1/4	888.50	1/4	524.07	1/4	159.44	1/4		1/4	1/4	1/4		1/4	
1/2	1,969.90	1/2	1,605.30	1/2	1,244.59	1/2	880.94	1/2	516.48	1/2	151.84	1/2		1/2	1/2	1/2		1/2	
3/4	1,962.30	3/4	1,597.70	3/4	1,236.99	3/4	873.37	3/4	508.88	3/4	144.56	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2011 CL - SW  
CALCULATED: 04/06/2011 CL  
PRINTED: 04/06/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2011

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