



# BARGE "KIRBY 28140"

## 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	- 00-1/8	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
1 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
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	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-5/8	00-5/8
3 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	- 00-5/8	00-5/8

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

LENGTH BETWEEN DRAFT MARKS: 236'-03"

July 21, 2011

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 28140"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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
							4,216.05														
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,210.14	1/4	1/4	1/4	3,920.84	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	4,204.22	1/2	1/2	1/2	3,914.68	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	4,198.30	3/4	3/4	3/4	3,908.52	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4,192.38</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3,902.36</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,186.44	1/4	1/4	1/4	3,896.17	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	4,180.50	1/2	1/2	1/2	3,889.98	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	4,174.56	3/4	3/4	3/4	3,883.78	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>4,168.62</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>3,877.59</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,162.65	1/4	1/4	1/4	3,871.38	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	4,156.69	1/2	1/2	1/2	3,865.17	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	4,150.72	3/4	3/4	3/4	3,858.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4,144.75</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3,852.75</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,138.80	1/4	1/4	1/4	3,846.48	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	4,132.84	1/2	1/2	1/2	3,840.22	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	4,126.89	3/4	3/4	3/4	3,833.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4,120.94</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>3,827.68</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,114.96	1/4	1/4	1/4	3,821.39	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	4,108.98	1/2	1/2	1/2	3,815.09	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	4,103.01	3/4	3/4	3/4	3,808.80	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4,097.03</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>3,802.51</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,091.03	1/4	1/4	1/4	3,796.19	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	4,085.03	1/2	1/2	1/2	3,789.88	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	4,079.02	3/4	3/4	3/4	3,783.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>4,073.02</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>3,777.24</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,365.83	1/4	1/4	1/4	4,067.00	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	4,360.65	1/2	1/2	1/2	4,060.97	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	4,355.46	3/4	3/4	3/4	4,054.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>4,350.27</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>4,048.92</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,343.36	1/4	1/4	1/4	4,042.87	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	4,336.44	1/2	1/2	1/2	4,036.82	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	4,329.53	3/4	3/4	3/4	4,030.77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>4,322.62</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>4,024.72</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,315.70	1/4	1/4	1/4	4,018.64	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	4,308.79	1/2	1/2	1/2	4,012.57	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	4,301.87	3/4	3/4	3/4	4,006.50	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>4,294.96</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>4,000.43</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,288.05	1/4	1/4	1/4	3,994.34	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	4,281.13	1/2	1/2	1/2	3,988.24	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	4,274.22	3/4	3/4	3/4	3,982.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>4,267.30</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>3,976.06</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,260.39	1/4	1/4	1/4	3,969.94	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	4,253.48	1/2	1/2	1/2	3,963.82	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	4,246.56	3/4	3/4	3/4	3,957.69	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>4,239.65</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>3,951.57</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,233.75	1/4	1/4	1/4	3,945.43	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	4,227.85	1/2	1/2	1/2	3,939.29	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	4,221.95	3/4	3/4	3/4	3,933.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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 37'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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# BARGE "KIRBY 28140"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	1,981.22	0	1,649.35	0	1,317.47	0	985.93	0	669.26	0	375.70	0	105.77	0		0		0	
1/4	1,974.31	1/4	1,642.43	1/4	1,310.56	1/4	979.10	1/4	662.92	1/4	369.85	1/4	100.41	1/4	1/4		1/4		1/4
1/2	1,967.40	1/2	1,635.52	1/2	1,303.64	1/2	972.26	1/2	656.57	1/2	364.00	1/2	95.05	1/2	1/2		1/2		1/2
3/4	1,960.48	3/4	1,628.60	3/4	1,296.73	3/4	965.43	3/4	650.23	3/4	358.15	3/4	89.70	3/4	3/4		3/4		3/4
1	1,953.57	1	1,621.69	1	1,289.81	1	958.60	1	643.89	1	352.30	1	84.34	1	1		1		1
1/4	1,946.65	1/4	1,614.78	1/4	1,282.90	1/4	951.82	1/4	637.59	1/4	346.49	1/4	79.03	1/4	1/4		1/4		1/4
1/2	1,939.74	1/2	1,607.86	1/2	1,275.99	1/2	945.05	1/2	631.29	1/2	340.69	1/2	73.72	1/2	1/2		1/2		1/2
3/4	1,932.83	3/4	1,600.95	3/4	1,269.07	3/4	938.27	3/4	624.99	3/4	334.88	3/4	68.41	3/4	3/4		3/4		3/4
2	1,925.91	2	1,594.03	2	1,262.16	2	931.49	2	618.69	2	329.07	2	63.10	2	2		2		2
1/4	1,919.00	1/4	1,587.12	1/4	1,255.24	1/4	924.76	1/4	612.43	1/4	323.30	1/4	57.82	1/4	1/4		1/4		1/4
1/2	1,912.08	1/2	1,580.21	1/2	1,248.33	1/2	918.02	1/2	606.17	1/2	317.54	1/2	52.55	1/2	1/2		1/2		1/2
3/4	1,905.17	3/4	1,573.29	3/4	1,241.42	3/4	911.29	3/4	599.91	3/4	311.77	3/4	47.27	3/4	3/4		3/4		3/4
3	1,898.25	3	1,566.38	3	1,234.50	3	904.55	3	593.65	3	306.00	3	42.00	3	3		3		3
1/4	1,891.34	1/4	1,559.46	1/4	1,227.59	1/4	897.86	1/4	587.43	1/4	300.27	1/4	37.64	1/4	1/4		1/4		1/4
1/2	1,884.43	1/2	1,552.55	1/2	1,220.67	1/2	891.16	1/2	581.21	1/2	294.55	1/2	33.27	1/2	1/2		1/2		1/2
3/4	1,877.51	3/4	1,545.64	3/4	1,213.76	3/4	884.47	3/4	575.00	3/4	288.82	3/4	28.91	3/4	3/4		3/4		3/4
4	1,870.60	4	1,538.72	4	1,206.84	4	877.77	4	568.78	4	283.10	4	24.54	4	4		4		4
1/4	1,863.68	1/4	1,531.81	1/4	1,199.93	1/4	871.12	1/4	562.60	1/4	277.41	1/4	21.94	1/4	1/4		1/4		1/4
1/2	1,856.77	1/2	1,524.89	1/2	1,193.02	1/2	864.46	1/2	556.42	1/2	271.73	1/2	19.35	1/2	1/2		1/2		1/2
3/4	1,849.86	3/4	1,517.98	3/4	1,186.10	3/4	857.81	3/4	550.25	3/4	266.04	3/4	16.75	3/4	3/4		3/4		3/4
5	1,842.94	5	1,511.07	5	1,179.19	5	851.16	5	544.07	5	260.35	5	14.15	5	5		5		5
1/4	1,836.03	1/4	1,504.15	1/4	1,172.27	1/4	844.54	1/4	537.93	1/4	254.71	1/4		1/4	1/4		1/4		1/4
1/2	1,829.11	1/2	1,497.24	1/2	1,165.36	1/2	837.93	1/2	531.80	1/2	249.07	1/2		1/2	1/2		1/2		1/2
3/4	1,822.20	3/4	1,490.32	3/4	1,158.45	3/4	831.32	3/4	525.66	3/4	243.43	3/4		3/4	3/4		3/4		3/4
6	1,815.29	6	1,483.41	6	1,151.53	6	824.71	6	519.53	6	237.78	6		6	6		6		6
1/4	1,808.37	1/4	1,476.49	1/4	1,144.62	1/4	818.14	1/4	513.43	1/4	232.18	1/4		1/4	1/4		1/4		1/4
1/2	1,801.46	1/2	1,469.58	1/2	1,137.70	1/2	811.56	1/2	507.33	1/2	226.57	1/2		1/2	1/2		1/2		1/2
3/4	1,794.54	3/4	1,462.67	3/4	1,130.79	3/4	804.99	3/4	501.24	3/4	220.97	3/4		3/4	3/4		3/4		3/4
7	1,787.63	7	1,455.75	7	1,123.88	7	798.42	7	495.14	7	215.36	7		7	7		7		7
1/4	1,780.72	1/4	1,448.84	1/4	1,116.96	1/4	791.89	1/4	489.09	1/4	209.80	1/4		1/4	1/4		1/4		1/4
1/2	1,773.80	1/2	1,441.92	1/2	1,110.05	1/2	785.36	1/2	483.03	1/2	204.24	1/2		1/2	1/2		1/2		1/2
3/4	1,766.89	3/4	1,435.01	3/4	1,103.13	3/4	778.83	3/4	476.98	3/4	198.68	3/4		3/4	3/4		3/4		3/4
8	1,759.97	8	1,428.10	8	1,096.22	8	772.30	8	470.93	8	193.12	8		8	8		8		8
1/4	1,753.06	1/4	1,421.18	1/4	1,089.31	1/4	765.81	1/4	464.91	1/4	187.60	1/4		1/4	1/4		1/4		1/4
1/2	1,746.14	1/2	1,414.27	1/2	1,082.39	1/2	759.32	1/2	458.90	1/2	182.08	1/2		1/2	1/2		1/2		1/2
3/4	1,739.23	3/4	1,407.35	3/4	1,075.48	3/4	752.83	3/4	452.89	3/4	176.55	3/4		3/4	3/4		3/4		3/4
9	1,732.32	9	1,400.44	9	1,068.57	9	746.34	9	446.87	9	171.03	9		9	9		9		9
1/4	1,725.40	1/4	1,393.53	1/4	1,061.66	1/4	739.87	1/4	440.90	1/4	165.55	1/4		1/4	1/4		1/4		1/4
1/2	1,718.49	1/2	1,386.61	1/2	1,054.76	1/2	733.41	1/2	434.93	1/2	160.07	1/2		1/2	1/2		1/2		1/2
3/4	1,711.57	3/4	1,379.70	3/4	1,047.85	3/4	726.94	3/4	428.96	3/4	154.59	3/4		3/4	3/4		3/4		3/4
10	1,704.66	10	1,372.78	10	1,040.95	10	720.48	10	422.99	10	149.12	10		10	10		10		10
1/4	1,697.75	1/4	1,365.87	1/4	1,034.06	1/4	714.06	1/4	417.05	1/4	143.67	1/4		1/4	1/4		1/4		1/4
1/2	1,690.83	1/2	1,358.96	1/2	1,027.17	1/2	707.63	1/2	411.12	1/2	138.23	1/2		1/2	1/2		1/2		1/2
3/4	1,683.92	3/4	1,352.04	3/4	1,020.28	3/4	701.21	3/4	405.19	3/4	132.79	3/4		3/4	3/4		3/4		3/4
11	1,677.00	11	1,345.13	11	1,013.39	11	694.78	11	399.26	11	127.35	11		11	11		11		11
1/4	1,670.09	1/4	1,338.21	1/4	1,006.53	1/4	688.40	1/4	393.37	1/4	121.95	1/4		1/4	1/4		1/4		1/4
1/2	1,663.18	1/2	1,331.30	1/2	999.66	1/2	682.02	1/2	387.48	1/2	116.56	1/2		1/2	1/2		1/2		1/2
3/4	1,656.26	3/4	1,324.38	3/4	992.80	3/4	675.64	3/4	381.59	3/4	111.16	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/21/2011 CL - SW  
CALCULATED: 07/21/2011 CL  
PRINTED: 07/21/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2011

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



# BARGE "KIRBY 28140"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,217.58	0	3,928.31	0	3,624.72	0	3,307.18	0	2,977.30	0	2,645.23	0	2,313.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,211.66	1/4	3,922.14	1/4	3,618.23	1/4	3,300.41	1/4	2,970.39	1/4	2,638.31	1/4	2,306.21		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,205.74	1/2	3,915.97	1/2	3,611.74	1/2	3,293.64	1/2	2,963.47	1/2	2,631.39	1/2	2,299.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,199.81	3/4	3,909.80	3/4	3,605.26	3/4	3,286.87	3/4	2,956.55	3/4	2,624.48	3/4	2,292.37		
1		1		1		1	4,193.89	1	3,903.64	1	3,598.77	1	3,280.11	1	2,949.63	1	2,617.56	1	2,285.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,187.94	1/4	3,897.44	1/4	3,592.26	1/4	3,273.31	1/4	2,942.71	1/4	2,610.64	1/4	2,278.53		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,182.00	1/2	3,891.25	1/2	3,585.75	1/2	3,266.51	1/2	2,935.79	1/2	2,603.72	1/2	2,271.61		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,176.05	3/4	3,885.05	3/4	3,579.24	3/4	3,259.71	3/4	2,928.88	3/4	2,596.80	3/4	2,264.69		
2		2		2		2	4,170.11	2	3,878.86	2	3,572.73	2	3,252.92	2	2,921.96	2	2,589.88	2	2,257.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,164.14	1/4	3,872.64	1/4	3,566.20	1/4	3,246.10	1/4	2,915.04	1/4	2,582.97	1/4	2,250.86		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,158.17	1/2	3,866.42	1/2	3,559.67	1/2	3,239.28	1/2	2,908.12	1/2	2,576.05	1/2	2,243.94		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,152.19	3/4	3,860.21	3/4	3,553.14	3/4	3,232.47	3/4	2,901.20	3/4	2,569.13	3/4	2,237.02		
3		3		3		3	4,146.22	3	3,853.99	3	3,546.61	3	3,225.65	3	2,894.29	3	2,562.21	3	2,230.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,140.26	1/4	3,847.72	1/4	3,540.06	1/4	3,218.82	1/4	2,887.37	1/4	2,555.29	1/4	2,223.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,134.31	1/2	3,841.45	1/2	3,533.50	1/2	3,211.98	1/2	2,880.45	1/2	2,548.38	1/2	2,216.26		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,128.35	3/4	3,835.17	3/4	3,526.94	3/4	3,205.14	3/4	2,873.53	3/4	2,541.46	3/4	2,209.34		
4		4		4		4	4,122.39	4	3,828.90	4	3,520.38	4	3,198.30	4	2,866.61	4	2,534.54	4	2,202.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,116.41	1/4	3,822.60	1/4	3,513.81	1/4	3,191.44	1/4	2,859.69	1/4	2,527.62	1/4	2,195.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,110.43	1/2	3,816.31	1/2	3,507.23	1/2	3,184.57	1/2	2,852.78	1/2	2,520.70	1/2	2,188.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,104.45	3/4	3,810.01	3/4	3,500.65	3/4	3,177.70	3/4	2,845.86	3/4	2,513.78	3/4	2,181.66		
5		5		5		5	4,098.46	5	3,803.71	5	3,494.07	5	3,170.84	5	2,838.94	5	2,506.87	5	2,174.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,092.46	1/4	3,797.39	1/4	3,487.46	1/4	3,163.95	1/4	2,832.02	1/4	2,499.95	1/4	2,167.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,086.45	1/2	3,791.07	1/2	3,480.85	1/2	3,157.07	1/2	2,825.10	1/2	2,493.03	1/2	2,160.90		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,080.44	3/4	3,784.75	3/4	3,474.24	3/4	3,150.18	3/4	2,818.19	3/4	2,486.11	3/4	2,153.98		
6		6		6		6	4,074.44	6	3,778.43	6	3,467.64	6	3,143.30	6	2,811.27	6	2,479.19	6	2,147.06		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,068.41	1/4	3,772.08	1/4	3,461.01	1/4	3,136.39	1/4	2,804.35	1/4	2,472.28	1/4	2,140.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,362.29	1/2	4,062.38	1/2	3,765.73	1/2	3,454.38	1/2	3,129.48	1/2	2,797.43	1/2	2,465.36	1/2	2,133.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,357.09	3/4	4,056.35	3/4	3,759.38	3/4	3,447.75	3/4	3,122.57	3/4	2,790.51	3/4	2,458.44	3/4	2,126.30
7		7		7		7	4,351.90	7	4,050.32	7	3,753.03	7	3,441.13	7	3,115.67	7	2,783.59	7	2,451.52	7	2,119.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,344.98	1/4	4,044.26	1/4	3,746.66	1/4	3,434.48	1/4	3,108.75	1/4	2,776.68	1/4	2,444.60	1/4	2,112.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,338.06	1/2	4,038.21	1/2	3,740.29	1/2	3,427.83	1/2	3,101.83	1/2	2,769.76	1/2	2,437.68	1/2	2,105.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,331.14	3/4	4,032.15	3/4	3,733.92	3/4	3,421.18	3/4	3,094.91	3/4	2,762.84	3/4	2,430.76	3/4	2,098.63
8		8		8		8	4,324.23	8	4,026.09	8	3,727.55	8	3,414.53	8	3,088.00	8	2,755.92	8	2,423.84	8	2,091.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,317.31	1/4	4,020.02	1/4	3,721.16	1/4	3,407.85	1/4	3,081.08	1/4	2,749.00	1/4	2,416.92	1/4	2,084.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,310.39	1/2	4,013.94	1/2	3,714.77	1/2	3,401.18	1/2	3,074.16	1/2	2,742.09	1/2	2,410.00	1/2	2,077.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,303.47	3/4	4,007.86	3/4	3,708.38	3/4	3,394.50	3/4	3,067.24	3/4	2,735.17	3/4	2,403.08	3/4	2,070.95
9		9		9		9	4,296.55	9	4,001.79	9	3,701.99	9	3,387.82	9	3,060.32	9	2,728.25	9	2,396.16	9	2,064.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,289.63	1/4	3,995.69	1/4	3,695.57	1/4	3,381.13	1/4	3,053.40	1/4	2,721.33	1/4	2,389.25	1/4	2,057.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,282.71	1/2	3,989.59	1/2	3,689.15	1/2	3,374.43	1/2	3,046.49	1/2	2,714.41	1/2	2,382.33	1/2	2,050.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,275.79	3/4	3,983.49	3/4	3,682.74	3/4	3,367.73	3/4	3,039.57	3/4	2,707.49	3/4	2,375.41	3/4	2,043.27
10		10		10		10	4,268.87	10	3,977.40	10	3,676.32	10	3,361.03	10	3,032.65	10	2,700.58	10	2,368.49	10	2,036.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,261.95	1/4	3,971.27	1/4	3,669.88	1/4	3,354.32	1/4	3,025.73	1/4	2,693.66	1/4	2,361.57	1/4	2,029.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,255.03	1/2	3,965.14	1/2	3,663.44	1/2	3,347.60	1/2	3,018.81	1/2	2,686.74	1/2	2,354.65	1/2	2,022.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,248.11	3/4	3,959.02	3/4	3,657.00	3/4	3,340.88	3/4	3,011.89	3/4	2,679.82	3/4	2,347.73	3/4	2,015.59
11		11		11		11	4,241.19	11	3,952.89	11	3,650.56	11	3,334.16	11	3,004.98	11	2,672.90	11	2,340.81	11	2,008.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,235.29	1/4	3,946.75	1/4	3,644.10	1/4	3,327.41	1/4	2,998.06	1/4	2,665.98	1/4	2,333.89	1/4	2,001.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,229.39	1/2	3,940.60	1/2	3,637.64	1/2	3,320.67	1/2	2,991.14	1/2	2,659.07	1/2	2,326.97	1/2	1,994.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,223.48	3/4	3,934.45	3/4	3,631.18	3/4	3,313.92	3/4	2,984.22	3/4	2,652.15	3/4	2,320.05	3/4	1,987.91

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 37'-06" 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 28140"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	1,980.99	0	1,648.86	0	1,316.72	0	985.04	0	669.77	0	375.99	0	105.85	0		0		0	
1/4	1,974.08	1/4	1,641.94	1/4	1,309.80	1/4	978.24	1/4	663.42	1/4	370.13	1/4	100.49	1/4	1/4	1/4		1/4	
1/2	1,967.16	1/2	1,635.02	1/2	1,302.88	1/2	971.44	1/2	657.08	1/2	364.28	1/2	95.13	1/2	1/2	1/2		1/2	
3/4	1,960.24	3/4	1,628.10	3/4	1,295.96	3/4	964.64	3/4	650.73	3/4	358.42	3/4	89.77	3/4	3/4	3/4		3/4	
1	1,953.32	1	1,621.18	1	1,289.04	1	957.83	1	644.38	1	352.57	1	84.40	1	1	1		1	
1/4	1,946.40	1/4	1,614.26	1/4	1,282.13	1/4	951.09	1/4	638.08	1/4	346.76	1/4	79.09	1/4	1/4	1/4		1/4	
1/2	1,939.48	1/2	1,607.34	1/2	1,275.21	1/2	944.35	1/2	631.77	1/2	340.95	1/2	73.77	1/2	1/2	1/2		1/2	
3/4	1,932.56	3/4	1,600.42	3/4	1,268.29	3/4	937.61	3/4	625.47	3/4	335.13	3/4	68.46	3/4	3/4	3/4		3/4	
2	1,925.64	2	1,593.50	2	1,261.37	2	930.86	2	619.16	2	329.32	2	63.14	2	2	2		2	
1/4	1,918.72	1/4	1,586.58	1/4	1,254.45	1/4	924.16	1/4	612.90	1/4	323.55	1/4	57.87	1/4	1/4	1/4		1/4	
1/2	1,911.80	1/2	1,579.66	1/2	1,247.53	1/2	917.46	1/2	606.63	1/2	317.78	1/2	52.59	1/2	1/2	1/2		1/2	
3/4	1,904.88	3/4	1,572.74	3/4	1,240.61	3/4	910.76	3/4	600.37	3/4	312.00	3/4	47.31	3/4	3/4	3/4		3/4	
3	1,897.96	3	1,565.82	3	1,233.69	3	904.05	3	594.10	3	306.23	3	42.03	3	3	3		3	
1/4	1,891.04	1/4	1,558.91	1/4	1,226.77	1/4	897.39	1/4	587.88	1/4	300.50	1/4	37.66	1/4	1/4	1/4		1/4	
1/2	1,884.12	1/2	1,551.99	1/2	1,219.85	1/2	890.73	1/2	581.66	1/2	294.77	1/2	33.30	1/2	1/2	1/2		1/2	
3/4	1,877.20	3/4	1,545.07	3/4	1,212.93	3/4	884.07	3/4	575.44	3/4	289.04	3/4	28.93	3/4	3/4	3/4		3/4	
4	1,870.28	4	1,538.15	4	1,206.01	4	877.41	4	569.21	4	283.32	4	24.56	4	4	4		4	
1/4	1,863.36	1/4	1,531.23	1/4	1,199.09	1/4	870.79	1/4	563.03	1/4	277.62	1/4	21.96	1/4	1/4	1/4		1/4	
1/2	1,856.44	1/2	1,524.31	1/2	1,192.17	1/2	864.17	1/2	556.85	1/2	271.93	1/2	19.36	1/2	1/2	1/2		1/2	
3/4	1,849.52	3/4	1,517.39	3/4	1,185.25	3/4	857.55	3/4	550.67	3/4	266.24	3/4	16.76	3/4	3/4	3/4		3/4	
5	1,842.60	5	1,510.47	5	1,178.33	5	850.93	5	544.48	5	260.55	5	14.16	5	5	5		5	
1/4	1,835.69	1/4	1,503.55	1/4	1,171.41	1/4	844.35	1/4	538.34	1/4	254.90	1/4		1/4	1/4	1/4		1/4	
1/2	1,828.77	1/2	1,496.63	1/2	1,164.49	1/2	837.77	1/2	532.20	1/2	249.26	1/2		1/2	1/2	1/2		1/2	
3/4	1,821.85	3/4	1,489.71	3/4	1,157.57	3/4	831.19	3/4	526.06	3/4	243.61	3/4		3/4	3/4	3/4		3/4	
6	1,814.93	6	1,482.79	6	1,150.65	6	824.61	6	519.92	6	237.96	6		6	6	6		6	
1/4	1,808.01	1/4	1,475.87	1/4	1,143.74	1/4	818.08	1/4	513.82	1/4	232.36	1/4		1/4	1/4	1/4		1/4	
1/2	1,801.09	1/2	1,468.95	1/2	1,136.82	1/2	811.54	1/2	507.72	1/2	226.75	1/2		1/2	1/2	1/2		1/2	
3/4	1,794.17	3/4	1,462.03	3/4	1,129.90	3/4	805.00	3/4	501.62	3/4	221.14	3/4		3/4	3/4	3/4		3/4	
7	1,787.25	7	1,455.11	7	1,122.98	7	798.46	7	495.52	7	215.53	7		7	7	7		7	
1/4	1,780.33	1/4	1,448.19	1/4	1,116.06	1/4	791.96	1/4	489.46	1/4	209.96	1/4		1/4	1/4	1/4		1/4	
1/2	1,773.41	1/2	1,441.27	1/2	1,109.14	1/2	785.46	1/2	483.40	1/2	204.40	1/2		1/2	1/2	1/2		1/2	
3/4	1,766.49	3/4	1,434.35	3/4	1,102.22	3/4	778.97	3/4	477.35	3/4	198.83	3/4		3/4	3/4	3/4		3/4	
8	1,759.57	8	1,427.43	8	1,095.30	8	772.47	8	471.29	8	193.27	8		8	8	8		8	
1/4	1,752.65	1/4	1,420.52	1/4	1,088.38	1/4	766.01	1/4	465.27	1/4	187.74	1/4		1/4	1/4	1/4		1/4	
1/2	1,745.73	1/2	1,413.60	1/2	1,081.46	1/2	759.56	1/2	459.25	1/2	182.21	1/2		1/2	1/2	1/2		1/2	
3/4	1,738.81	3/4	1,406.68	3/4	1,074.54	3/4	753.10	3/4	453.23	3/4	176.69	3/4		3/4	3/4	3/4		3/4	
9	1,731.89	9	1,399.76	9	1,067.63	9	746.64	9	447.21	9	171.16	9		9	9	9		9	
1/4	1,724.97	1/4	1,392.84	1/4	1,060.72	1/4	740.21	1/4	441.24	1/4	165.68	1/4		1/4	1/4	1/4		1/4	
1/2	1,718.05	1/2	1,385.92	1/2	1,053.80	1/2	733.78	1/2	435.26	1/2	160.19	1/2		1/2	1/2	1/2		1/2	
3/4	1,711.13	3/4	1,379.00	3/4	1,046.89	3/4	727.35	3/4	429.29	3/4	154.71	3/4		3/4	3/4	3/4		3/4	
10	1,704.21	10	1,372.08	10	1,039.98	10	720.91	10	423.31	10	149.23	10		10	10	10		10	
1/4	1,697.30	1/4	1,365.16	1/4	1,033.09	1/4	714.51	1/4	417.37	1/4	143.78	1/4		1/4	1/4	1/4		1/4	
1/2	1,690.38	1/2	1,358.24	1/2	1,026.19	1/2	708.12	1/2	411.44	1/2	138.34	1/2		1/2	1/2	1/2		1/2	
3/4	1,683.46	3/4	1,351.32	3/4	1,019.30	3/4	701.72	3/4	405.50	3/4	132.89	3/4		3/4	3/4	3/4		3/4	
11	1,676.54	11	1,344.40	11	1,012.41	11	695.32	11	399.56	11	127.44	11		11	11	11		11	
1/4	1,669.62	1/4	1,337.48	1/4	1,005.56	1/4	688.93	1/4	393.67	1/4	122.05	1/4		1/4	1/4	1/4		1/4	
1/2	1,662.70	1/2	1,330.56	1/2	998.72	1/2	682.54	1/2	387.78	1/2	116.65	1/2		1/2	1/2	1/2		1/2	
3/4	1,655.78	3/4	1,323.64	3/4	991.88	3/4	676.16	3/4	381.88	3/4	111.25	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/21/2011 CL - SW  
CALCULATED: 07/21/2011 CL  
PRINTED: 07/21/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2011

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



# BARGE "KIRBY 28140"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

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
							5,089.14		4,751.60		4,396.30		4,024.46		3,638.51		3,250.34		2,862.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,082.22	1/4	4,744.42	1/4	4,388.71	1/4	4,016.55	1/4	3,630.42	1/4	3,242.26	1/4	2,854.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,075.30	1/2	4,737.24	1/2	4,381.13	1/2	4,008.64	1/2	3,622.34	1/2	3,234.17	1/2	2,845.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,068.35	3/4	4,730.03	3/4	4,373.52	3/4	4,000.69	3/4	3,614.25	3/4	3,226.08	3/4	2,837.85
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>5,061.40</b>	<b>1</b>	<b>4,722.82</b>	<b>1</b>	<b>4,365.91</b>	<b>1</b>	<b>3,992.75</b>	<b>1</b>	<b>3,606.16</b>	<b>1</b>	<b>3,218.00</b>	<b>1</b>	<b>2,829.76</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,054.45	1/4	4,715.61	1/4	4,358.31	1/4	3,984.80	1/4	3,598.08	1/4	3,209.91	1/4	2,821.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,047.50	1/2	4,708.40	1/2	4,350.70	1/2	3,976.85	1/2	3,589.99	1/2	3,201.82	1/2	2,813.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,040.51	3/4	4,701.17	3/4	4,343.06	3/4	3,968.89	3/4	3,581.90	3/4	3,193.74	3/4	2,805.49
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>5,033.53</b>	<b>2</b>	<b>4,693.93</b>	<b>2</b>	<b>4,335.43</b>	<b>2</b>	<b>3,960.92</b>	<b>2</b>	<b>3,573.82</b>	<b>2</b>	<b>3,185.65</b>	<b>2</b>	<b>2,797.40</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,026.55	1/4	4,686.70	1/4	4,327.80	1/4	3,952.95	1/4	3,565.73	1/4	3,177.56	1/4	2,789.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,019.57	1/2	4,679.46	1/2	4,320.16	1/2	3,944.99	1/2	3,557.64	1/2	3,169.48	1/2	2,781.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,012.63	3/4	4,672.13	3/4	4,312.50	3/4	3,937.00	3/4	3,549.55	3/4	3,161.39	3/4	2,773.14
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>5,005.70</b>	<b>3</b>	<b>4,664.80</b>	<b>3</b>	<b>4,304.83</b>	<b>3</b>	<b>3,929.00</b>	<b>3</b>	<b>3,541.47</b>	<b>3</b>	<b>3,153.30</b>	<b>3</b>	<b>2,765.05</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,998.76	1/4	4,657.47	1/4	4,297.17	1/4	3,921.01	1/4	3,533.38	1/4	3,145.21	1/4	2,756.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,991.83	1/2	4,650.13	1/2	4,289.50	1/2	3,913.02	1/2	3,525.29	1/2	3,137.13	1/2	2,748.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,984.87	3/4	4,642.77	3/4	4,281.81	3/4	3,904.99	3/4	3,517.21	3/4	3,129.04	3/4	2,740.78
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4,977.91</b>	<b>4</b>	<b>4,635.41</b>	<b>4</b>	<b>4,274.12</b>	<b>4</b>	<b>3,896.97</b>	<b>4</b>	<b>3,509.12</b>	<b>4</b>	<b>3,120.95</b>	<b>4</b>	<b>2,732.69</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,970.95	1/4	4,628.05	1/4	4,266.43	1/4	3,888.94	1/4	3,501.03	1/4	3,112.87	1/4	2,724.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,963.99	1/2	4,620.68	1/2	4,258.74	1/2	3,880.91	1/2	3,492.95	1/2	3,104.78	1/2	2,716.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,956.99	3/4	4,613.30	3/4	4,251.02	3/4	3,872.86	3/4	3,484.86	3/4	3,096.69	3/4	2,708.42
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4,950.00</b>	<b>5</b>	<b>4,605.91</b>	<b>5</b>	<b>4,243.29</b>	<b>5</b>	<b>3,864.82</b>	<b>5</b>	<b>3,476.77</b>	<b>5</b>	<b>3,088.61</b>	<b>5</b>	<b>2,700.33</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,943.01	1/4	4,598.52	1/4	4,235.57	1/4	3,856.77	1/4	3,468.69	1/4	3,080.52	1/4	2,692.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,936.02	1/2	4,591.13	1/2	4,227.85	1/2	3,848.72	1/2	3,460.60	1/2	3,072.43	1/2	2,684.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,929.00	3/4	4,583.71	3/4	4,220.10	3/4	3,840.64	3/4	3,452.51	3/4	3,064.35	3/4	2,676.06
<b>6</b>	<b>6</b>	<b>6</b>	<b>5,272.16</b>	<b>6</b>	<b>4,921.99</b>	<b>6</b>	<b>4,576.29</b>	<b>6</b>	<b>4,212.35</b>	<b>6</b>	<b>3,832.57</b>	<b>6</b>	<b>3,444.43</b>	<b>6</b>	<b>3,056.26</b>	<b>6</b>	<b>2,667.97</b>		
1/4	1/4	1/4	5,266.09	1/4	4,914.97	1/4	4,568.87	1/4	4,204.61	1/4	3,824.49	1/4	3,436.34	1/4	3,048.17	1/4	2,659.88		
1/2	1/2	1/2	5,260.03	1/2	4,907.95	1/2	4,561.44	1/2	4,196.86	1/2	3,816.42	1/2	3,428.25	1/2	3,040.09	1/2	2,651.80		
3/4	3/4	3/4	5,251.94	3/4	4,900.90	3/4	4,554.00	3/4	4,189.09	3/4	3,808.33	3/4	3,420.17	3/4	3,032.00	3/4	2,643.71		
<b>7</b>	<b>7</b>	<b>7</b>	<b>5,243.85</b>	<b>7</b>	<b>4,893.85</b>	<b>7</b>	<b>4,546.56</b>	<b>7</b>	<b>4,181.32</b>	<b>7</b>	<b>3,800.25</b>	<b>7</b>	<b>3,412.08</b>	<b>7</b>	<b>3,023.91</b>	<b>7</b>	<b>2,635.62</b>		
1/4	1/4	1/4	5,235.76	1/4	4,886.80	1/4	4,539.11	1/4	4,173.54	1/4	3,792.16	1/4	3,403.99	1/4	3,015.82	1/4	2,627.53		
1/2	1/2	1/2	5,227.67	1/2	4,879.76	1/2	4,531.67	1/2	4,165.77	1/2	3,784.07	1/2	3,395.91	1/2	3,007.73	1/2	2,619.44		
3/4	3/4	3/4	5,219.58	3/4	4,872.68	3/4	4,524.20	3/4	4,157.97	3/4	3,775.99	3/4	3,387.82	3/4	2,999.64	3/4	2,611.35		
<b>8</b>	<b>8</b>	<b>8</b>	<b>5,211.49</b>	<b>8</b>	<b>4,865.61</b>	<b>8</b>	<b>4,516.73</b>	<b>8</b>	<b>4,150.16</b>	<b>8</b>	<b>3,767.90</b>	<b>8</b>	<b>3,379.73</b>	<b>8</b>	<b>2,991.55</b>	<b>8</b>	<b>2,603.26</b>		
1/4	1/4	1/4	5,203.40	1/4	4,858.54	1/4	4,509.26	1/4	4,142.36	1/4	3,759.81	1/4	3,371.65	1/4	2,983.46	1/4	2,595.17		
1/2	1/2	1/2	5,195.31	1/2	4,851.47	1/2	4,501.79	1/2	4,134.55	1/2	3,751.72	1/2	3,363.56	1/2	2,975.37	1/2	2,587.08		
3/4	3/4	3/4	5,187.22	3/4	4,844.38	3/4	4,494.28	3/4	4,126.72	3/4	3,743.64	3/4	3,355.47	3/4	2,967.28	3/4	2,578.99		
<b>9</b>	<b>9</b>	<b>9</b>	<b>5,179.13</b>	<b>9</b>	<b>4,837.28</b>	<b>9</b>	<b>4,486.78</b>	<b>9</b>	<b>4,118.89</b>	<b>9</b>	<b>3,735.55</b>	<b>9</b>	<b>3,347.38</b>	<b>9</b>	<b>2,959.19</b>	<b>9</b>	<b>2,570.90</b>		
1/4	1/4	1/4	5,171.04	1/4	4,830.18	1/4	4,479.28	1/4	4,111.07	1/4	3,727.46	1/4	3,339.30	1/4	2,951.10	1/4	2,562.81		
1/2	1/2	1/2	5,162.95	1/2	4,823.09	1/2	4,471.78	1/2	4,103.24	1/2	3,719.38	1/2	3,331.21	1/2	2,943.01	1/2	2,554.72		
3/4	3/4	3/4	5,154.86	3/4	4,815.96	3/4	4,464.25	3/4	4,095.38	3/4	3,711.29	3/4	3,323.12	3/4	2,934.92	3/4	2,546.63		
<b>10</b>	<b>10</b>	<b>10</b>	<b>5,146.78</b>	<b>10</b>	<b>4,808.83</b>	<b>10</b>	<b>4,456.72</b>	<b>10</b>	<b>4,087.53</b>	<b>10</b>	<b>3,703.20</b>	<b>10</b>	<b>3,315.04</b>	<b>10</b>	<b>2,926.83</b>	<b>10</b>	<b>2,538.54</b>		
1/4	1/4	1/4	5,138.69	1/4	4,801.70	1/4	4,449.20	1/4	4,079.68	1/4	3,695.12	1/4	3,306.95	1/4	2,918.75	1/4	2,530.45		
1/2	1/2	1/2	5,130.60	1/2	4,794.57	1/2	4,441.67	1/2	4,071.82	1/2	3,687.03	1/2	3,298.86	1/2	2,910.66	1/2	2,522.36		
3/4	3/4	3/4	5,123.70	3/4	4,787.41	3/4	4,434.12	3/4	4,063.94	3/4	3,678.94	3/4	3,290.78	3/4	2,902.57	3/4	2,514.28		
<b>11</b>	<b>11</b>	<b>11</b>	<b>5,116.79</b>	<b>11</b>	<b>4,780.26</b>	<b>11</b>	<b>4,426.57</b>	<b>11</b>	<b>4,056.05</b>	<b>11</b>	<b>3,670.86</b>	<b>11</b>	<b>3,282.69</b>	<b>11</b>	<b>2,894.48</b>	<b>11</b>	<b>2,506.19</b>		
1/4	1/4	1/4	5,109.89	1/4	4,773.11	1/4	4,419.02	1/4	4,048.17	1/4	3,662.77	1/4	3,274.60	1/4	2,886.39	1/4	2,498.10		
1/2	1/2	1/2	5,102.99	1/2	4,765.95	1/2	4,411.46	1/2	4,040.28	1/2	3,654.68	1/2	3,266.52	1/2	2,878.30	1/2	2,490.01		
3/4	3/4	3/4	5,096.07	3/4	4,758.78	3/4	4,403.88	3/4	4,032.37	3/4	3,646.60	3/4	3,258.43	3/4	2,870.21	3/4	2,481.92		

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 44'-00" 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 28140"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,473.83	0	2,085.54	0	1,697.25	0	1,308.95	0	920.66	0	533.26	0	145.39	0		0		0	
1/4	2,465.74	1/4	2,077.45	1/4	1,689.16	1/4	1,300.87	1/4	912.57	1/4	525.18	1/4	137.31	1/4	1/4	1/4		1/4	
1/2	2,457.65	1/2	2,069.36	1/2	1,681.07	1/2	1,292.78	1/2	904.48	1/2	517.10	1/2	129.22	1/2	1/2	1/2		1/2	
3/4	2,449.56	3/4	2,061.27	3/4	1,672.98	3/4	1,284.69	3/4	896.41	3/4	509.02	3/4	121.14	3/4	3/4	3/4		3/4	
1	2,441.47	1	2,053.18	1	1,664.89	1	1,276.60	1	888.33	1	500.94	1	113.06	1	1	1		1	
1/4	2,433.38	1/4	2,045.09	1/4	1,656.80	1/4	1,268.51	1/4	880.25	1/4	492.86	1/4	104.98	1/4	1/4	1/4		1/4	
1/2	2,425.29	1/2	2,037.00	1/2	1,648.71	1/2	1,260.42	1/2	872.18	1/2	484.78	1/2	96.90	1/2	1/2	1/2		1/2	
3/4	2,417.20	3/4	2,028.91	3/4	1,640.62	3/4	1,252.33	3/4	864.11	3/4	476.70	3/4	88.82	3/4	3/4	3/4		3/4	
2	2,409.11	2	2,020.82	2	1,632.53	2	1,244.24	2	856.05	2	468.61	2	80.74	2	2	2		2	
1/4	2,401.02	1/4	2,012.73	1/4	1,624.44	1/4	1,236.15	1/4	847.98	1/4	460.53	1/4	72.66	1/4	1/4	1/4		1/4	
1/2	2,392.93	1/2	2,004.64	1/2	1,616.35	1/2	1,228.06	1/2	839.92	1/2	452.45	1/2	64.58	1/2	1/2	1/2		1/2	
3/4	2,384.85	3/4	1,996.55	3/4	1,608.26	3/4	1,219.97	3/4	831.85	3/4	444.37	3/4	57.51	3/4	3/4	3/4		3/4	
3	2,376.76	3	1,988.46	3	1,600.17	3	1,211.88	3	823.79	3	436.29	3	50.44	3	3	3		3	
1/4	2,368.67	1/4	1,980.38	1/4	1,592.08	1/4	1,203.79	1/4	815.72	1/4	428.21	1/4	43.37	1/4	1/4	1/4		1/4	
1/2	2,360.58	1/2	1,972.29	1/2	1,583.99	1/2	1,195.70	1/2	807.66	1/2	420.13	1/2	36.30	1/2	1/2	1/2		1/2	
3/4	2,352.49	3/4	1,964.20	3/4	1,575.91	3/4	1,187.61	3/4	799.59	3/4	412.05	3/4	31.25	3/4	3/4	3/4		3/4	
4	2,344.40	4	1,956.11	4	1,567.82	4	1,179.52	4	791.53	4	403.97	4	26.20	4	4	4		4	
1/4	2,336.31	1/4	1,948.02	1/4	1,559.73	1/4	1,171.44	1/4	783.46	1/4	395.89	1/4	21.16	1/4	1/4	1/4		1/4	
1/2	2,328.22	1/2	1,939.93	1/2	1,551.64	1/2	1,163.35	1/2	775.40	1/2	387.81	1/2	16.11	1/2	1/2	1/2		1/2	
3/4	2,320.13	3/4	1,931.84	3/4	1,543.55	3/4	1,155.26	3/4	767.33	3/4	379.73	3/4		3/4	3/4	3/4		3/4	
5	2,312.04	5	1,923.75	5	1,535.46	5	1,147.17	5	759.27	5	371.65	5		5	5	5		5	
1/4	2,303.95	1/4	1,915.66	1/4	1,527.37	1/4	1,139.08	1/4	751.20	1/4	363.57	1/4		1/4	1/4	1/4		1/4	
1/2	2,295.86	1/2	1,907.57	1/2	1,519.28	1/2	1,130.99	1/2	743.14	1/2	355.48	1/2		1/2	1/2	1/2		1/2	
3/4	2,287.77	3/4	1,899.48	3/4	1,511.19	3/4	1,122.90	3/4	735.07	3/4	347.40	3/4		3/4	3/4	3/4		3/4	
6	2,279.68	6	1,891.39	6	1,503.10	6	1,114.81	6	727.01	6	339.32	6		6	6	6		6	
1/4	2,271.59	1/4	1,883.30	1/4	1,495.01	1/4	1,106.72	1/4	718.94	1/4	331.24	1/4		1/4	1/4	1/4		1/4	
1/2	2,263.50	1/2	1,875.21	1/2	1,486.92	1/2	1,098.63	1/2	710.88	1/2	323.16	1/2		1/2	1/2	1/2		1/2	
3/4	2,255.41	3/4	1,867.12	3/4	1,478.83	3/4	1,090.54	3/4	702.81	3/4	315.08	3/4		3/4	3/4	3/4		3/4	
7	2,247.33	7	1,859.03	7	1,470.74	7	1,082.45	7	694.75	7	307.00	7		7	7	7		7	
1/4	2,239.24	1/4	1,850.94	1/4	1,462.65	1/4	1,074.36	1/4	686.68	1/4	298.92	1/4		1/4	1/4	1/4		1/4	
1/2	2,231.15	1/2	1,842.86	1/2	1,454.56	1/2	1,066.27	1/2	678.62	1/2	290.84	1/2		1/2	1/2	1/2		1/2	
3/4	2,223.06	3/4	1,834.77	3/4	1,446.47	3/4	1,058.18	3/4	670.55	3/4	282.76	3/4		3/4	3/4	3/4		3/4	
8	2,214.97	8	1,826.68	8	1,438.39	8	1,050.09	8	662.49	8	274.68	8		8	8	8		8	
1/4	2,206.88	1/4	1,818.59	1/4	1,430.30	1/4	1,042.00	1/4	654.42	1/4	266.60	1/4		1/4	1/4	1/4		1/4	
1/2	2,198.79	1/2	1,810.50	1/2	1,422.21	1/2	1,033.92	1/2	646.36	1/2	258.52	1/2		1/2	1/2	1/2		1/2	
3/4	2,190.70	3/4	1,802.41	3/4	1,414.12	3/4	1,025.83	3/4	638.29	3/4	250.44	3/4		3/4	3/4	3/4		3/4	
9	2,182.61	9	1,794.32	9	1,406.03	9	1,017.74	9	630.21	9	242.35	9		9	9	9		9	
1/4	2,174.52	1/4	1,786.23	1/4	1,397.94	1/4	1,009.65	1/4	622.14	1/4	234.27	1/4		1/4	1/4	1/4		1/4	
1/2	2,166.43	1/2	1,778.14	1/2	1,389.85	1/2	1,001.56	1/2	614.07	1/2	226.19	1/2		1/2	1/2	1/2		1/2	
3/4	2,158.34	3/4	1,770.05	3/4	1,381.76	3/4	993.47	3/4	605.99	3/4	218.11	3/4		3/4	3/4	3/4		3/4	
10	2,150.25	10	1,761.96	10	1,373.67	10	985.38	10	597.91	10	210.03	10		10	10	10		10	
1/4	2,142.16	1/4	1,753.87	1/4	1,365.58	1/4	977.29	1/4	589.82	1/4	201.95	1/4		1/4	1/4	1/4		1/4	
1/2	2,134.07	1/2	1,745.78	1/2	1,357.49	1/2	969.20	1/2	581.74	1/2	193.87	1/2		1/2	1/2	1/2		1/2	
3/4	2,125.98	3/4	1,737.69	3/4	1,349.40	3/4	961.11	3/4	573.66	3/4	185.79	3/4		3/4	3/4	3/4		3/4	
11	2,117.89	11	1,729.60	11	1,341.31	11	953.02	11	565.58	11	177.71	11		11	11	11		11	
1/4	2,109.81	1/4	1,721.51	1/4	1,333.22	1/4	944.93	1/4	557.50	1/4	169.63	1/4		1/4	1/4	1/4		1/4	
1/2	2,101.72	1/2	1,713.42	1/2	1,325.13	1/2	936.84	1/2	549.42	1/2	161.55	1/2		1/2	1/2	1/2		1/2	
3/4	2,093.63	3/4	1,705.34	3/4	1,317.04	3/4	928.75	3/4	541.34	3/4	153.47	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/21/2011 CL - SW  
CALCULATED: 07/21/2011 CL  
PRINTED: 07/21/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2011

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





# BARGE "KIRBY 28140"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	5,088.38	0	4,751.37	0	4,396.92	0	4,025.79	0	3,640.25	0	3,252.13	0	2,863.97
1/4		1/4		1/4		1/4	5,081.45	1/4	4,744.19	1/4	4,389.34	1/4	4,017.88	1/4	3,632.16	1/4	3,244.05	1/4	2,855.88
1/2		1/2		1/2		1/2	5,074.53	1/2	4,737.02	1/2	4,381.76	1/2	4,009.97	1/2	3,624.07	1/2	3,235.96	1/2	2,847.79
3/4		3/4		3/4		3/4	5,067.61	3/4	4,729.84	3/4	4,374.17	3/4	4,002.06	3/4	3,615.99	3/4	3,227.87	3/4	2,839.70
1		1		1		1	5,060.68	1	4,722.66	1	4,366.59	1	3,994.15	1	3,607.90	1	3,219.79	1	2,831.62
1/4		1/4		1/4		1/4	5,053.73	1/4	4,715.45	1/4	4,358.99	1/4	3,986.21	1/4	3,599.82	1/4	3,211.70	1/4	2,823.53
1/2		1/2		1/2		1/2	5,046.78	1/2	4,708.24	1/2	4,351.38	1/2	3,978.26	1/2	3,591.73	1/2	3,203.62	1/2	2,815.44
3/4		3/4		3/4		3/4	5,039.83	3/4	4,701.03	3/4	4,343.77	3/4	3,970.32	3/4	3,583.65	3/4	3,195.53	3/4	2,807.35
2		2		2		2	5,032.88	2	4,693.82	2	4,336.16	2	3,962.37	2	3,575.56	2	3,187.45	2	2,799.26
1/4		1/4		1/4		1/4	5,025.90	1/4	4,686.59	1/4	4,328.53	1/4	3,954.41	1/4	3,567.47	1/4	3,179.36	1/4	2,791.17
1/2		1/2		1/2		1/2	5,018.92	1/2	4,679.36	1/2	4,320.90	1/2	3,946.44	1/2	3,559.39	1/2	3,171.27	1/2	2,783.09
3/4		3/4		3/4		3/4	5,011.94	3/4	4,672.12	3/4	4,313.27	3/4	3,938.47	3/4	3,551.30	3/4	3,163.19	3/4	2,775.00
3		3		3		3	5,004.96	3	4,664.89	3	4,305.63	3	3,930.51	3	3,543.22	3	3,155.10	3	2,766.91
1/4		1/4		1/4		1/4	4,998.03	1/4	4,657.56	1/4	4,297.97	1/4	3,922.52	1/4	3,535.13	1/4	3,147.02	1/4	2,758.82
1/2		1/2		1/2		1/2	4,991.09	1/2	4,650.23	1/2	4,290.30	1/2	3,914.53	1/2	3,527.05	1/2	3,138.93	1/2	2,750.73
3/4		3/4		3/4		3/4	4,984.16	3/4	4,642.90	3/4	4,282.64	3/4	3,906.53	3/4	3,518.96	3/4	3,130.85	3/4	2,742.64
4		4		4		4	4,977.22	4	4,635.56	4	4,274.98	4	3,898.54	4	3,510.87	4	3,122.76	4	2,734.56
1/4		1/4		1/4		1/4	4,970.26	1/4	4,628.20	1/4	4,267.29	1/4	3,890.52	1/4	3,502.79	1/4	3,114.67	1/4	2,726.47
1/2		1/2		1/2		1/2	4,963.30	1/2	4,620.84	1/2	4,259.60	1/2	3,882.49	1/2	3,494.70	1/2	3,106.59	1/2	2,718.38
3/4		3/4		3/4		3/4	4,956.34	3/4	4,613.48	3/4	4,251.91	3/4	3,874.47	3/4	3,486.62	3/4	3,098.50	3/4	2,710.29
5		5		5		5	4,949.38	5	4,606.12	5	4,244.22	5	3,866.44	5	3,478.53	5	3,090.42	5	2,702.20
1/4		1/4		1/4		1/4	4,942.39	1/4	4,598.73	1/4	4,236.50	1/4	3,858.39	1/4	3,470.45	1/4	3,082.33	1/4	2,694.12
1/2		1/2		1/2		1/2	4,935.40	1/2	4,591.34	1/2	4,228.77	1/2	3,850.35	1/2	3,462.36	1/2	3,074.25	1/2	2,686.03
3/4		3/4		3/4		3/4	4,928.41	3/4	4,583.96	3/4	4,221.05	3/4	3,842.30	3/4	3,454.27	3/4	3,066.16	3/4	2,677.94
6		6		6		6	4,921.42	6	4,576.57	6	4,213.33	6	3,834.25	6	3,446.19	6	3,058.07	6	2,669.85
1/4		1/4		1/4		1/4	4,914.40	1/4	4,569.15	1/4	4,205.58	1/4	3,826.18	1/4	3,438.10	1/4	3,049.99	1/4	2,661.76
1/2		1/2		1/2	5,257.52	1/2	4,907.39	1/2	4,561.73	1/2	4,197.84	1/2	3,818.11	1/2	3,430.02	1/2	3,041.90	1/2	2,653.67
3/4		3/4		3/4	5,251.45	3/4	4,900.37	3/4	4,554.31	3/4	4,190.09	3/4	3,810.03	3/4	3,421.93	3/4	3,033.82	3/4	2,645.59
7		7		7	5,245.39	7	4,893.35	7	4,546.88	7	4,182.35	7	3,801.96	7	3,413.85	7	3,025.73	7	2,637.50
1/4		1/4		1/4	5,237.30	1/4	4,886.31	1/4	4,539.44	1/4	4,174.57	1/4	3,793.87	1/4	3,405.76	1/4	3,017.64	1/4	2,629.41
1/2		1/2		1/2	5,229.21	1/2	4,879.26	1/2	4,532.00	1/2	4,166.80	1/2	3,785.79	1/2	3,397.67	1/2	3,009.56	1/2	2,621.32
3/4		3/4		3/4	5,221.12	3/4	4,872.21	3/4	4,524.55	3/4	4,159.03	3/4	3,777.70	3/4	3,389.59	3/4	3,001.47	3/4	2,613.23
8		8		8	5,213.04	8	4,865.16	8	4,517.11	8	4,151.26	8	3,769.62	8	3,381.50	8	2,993.38	8	2,605.15
1/4		1/4		1/4	5,204.95	1/4	4,858.09	1/4	4,509.64	1/4	4,143.46	1/4	3,761.53	1/4	3,373.42	1/4	2,985.29	1/4	2,597.06
1/2		1/2		1/2	5,196.86	1/2	4,851.02	1/2	4,502.17	1/2	4,135.65	1/2	3,753.44	1/2	3,365.33	1/2	2,977.20	1/2	2,588.97
3/4		3/4		3/4	5,188.77	3/4	4,843.95	3/4	4,494.70	3/4	4,127.85	3/4	3,745.36	3/4	3,357.25	3/4	2,969.11	3/4	2,580.88
9		9		9	5,180.68	9	4,836.88	9	4,487.23	9	4,120.05	9	3,737.27	9	3,349.16	9	2,961.03	9	2,572.79
1/4		1/4		1/4	5,172.59	1/4	4,829.78	1/4	4,479.73	1/4	4,112.22	1/4	3,729.19	1/4	3,341.07	1/4	2,952.94	1/4	2,564.70
1/2		1/2		1/2	5,164.51	1/2	4,822.69	1/2	4,472.23	1/2	4,104.39	1/2	3,721.10	1/2	3,332.99	1/2	2,944.85	1/2	2,556.62
3/4		3/4		3/4	5,156.42	3/4	4,815.59	3/4	4,464.73	3/4	4,096.56	3/4	3,713.02	3/4	3,324.90	3/4	2,936.76	3/4	2,548.53
10		10		10	5,148.33	10	4,808.50	10	4,457.23	10	4,088.74	10	3,704.93	10	3,316.82	10	2,928.67	10	2,540.44
1/4		1/4		1/4	5,140.24	1/4	4,801.37	1/4	4,449.70	1/4	4,080.88	1/4	3,696.85	1/4	3,308.73	1/4	2,920.59	1/4	2,532.35
1/2		1/2		1/2	5,132.15	1/2	4,794.24	1/2	4,442.18	1/2	4,073.03	1/2	3,688.76	1/2	3,300.65	1/2	2,912.50	1/2	2,524.26
3/4		3/4		3/4	5,124.07	3/4	4,787.11	3/4	4,434.65	3/4	4,065.18	3/4	3,680.67	3/4	3,292.56	3/4	2,904.41	3/4	2,516.18
11		11		11	5,115.98	11	4,779.98	11	4,427.13	11	4,057.32	11	3,672.59	11	3,284.47	11	2,896.32	11	2,508.09
1/4		1/4		1/4	5,107.89	1/4	4,772.83	1/4	4,419.57	1/4	4,049.44	1/4	3,664.50	1/4	3,276.39	1/4	2,888.23	1/4	2,500.00
1/2		1/2		1/2	5,102.18	1/2	4,765.68	1/2	4,412.02	1/2	4,041.56	1/2	3,656.42	1/2	3,268.30	1/2	2,880.14	1/2	2,491.91
3/4		3/4		3/4	5,095.28	3/4	4,758.52	3/4	4,404.47	3/4	4,033.67	3/4	3,648.33	3/4	3,260.22	3/4	2,872.06	3/4	2,483.82

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 44'-00" 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 28140"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,476	0	2,088	0	1,699	0	1,311	0	923	0	550	0	162	0		0		0	
1/4	2,468	1/4	2,079	1/4	1,691	1/4	1,303	1/4	916	1/4	542	1/4	154	1/4	1/4		1/4		1/4
1/2	2,460	1/2	2,071	1/2	1,683	1/2	1,295	1/2	908	1/2	534	1/2	146	1/2	1/2		1/2		1/2
3/4	2,451	3/4	2,063	3/4	1,675	3/4	1,287	3/4	900	3/4	526	3/4	138	3/4	3/4		3/4		3/4
1	2,443	1	2,055	1	1,667	1	1,279	1	892	1	518	1	130	1	1		1		1
1/4	2,435	1/4	2,047	1/4	1,659	1/4	1,271	1/4	885	1/4	510	1/4	122	1/4	1/4		1/4		1/4
1/2	2,427	1/2	2,039	1/2	1,651	1/2	1,263	1/2	877	1/2	502	1/2	114	1/2	1/2		1/2		1/2
3/4	2,419	3/4	2,031	3/4	1,643	3/4	1,254	3/4	869	3/4	494	3/4	105	3/4	3/4		3/4		3/4
2	2,411	2	2,023	2	1,635	2	1,246	2	861	2	486	2	97	2	2		2		2
1/4	2,403	1/4	2,015	1/4	1,626	1/4	1,238	1/4	853	1/4	477	1/4	89	1/4	1/4		1/4		1/4
1/2	2,395	1/2	2,007	1/2	1,618	1/2	1,230	1/2	846	1/2	469	1/2	81	1/2	1/2		1/2		1/2
3/4	2,387	3/4	1,999	3/4	1,610	3/4	1,222	3/4	838	3/4	461	3/4	73	3/4	3/4		3/4		3/4
3	2,379	3	1,990	3	1,602	3	1,214	3	830	3	453	3	65	3	3		3		3
1/4	2,371	1/4	1,982	1/4	1,594	1/4	1,206	1/4	822	1/4	445	1/4	58	1/4	1/4		1/4		1/4
1/2	2,362	1/2	1,974	1/2	1,586	1/2	1,198	1/2	815	1/2	437	1/2	51	1/2	1/2		1/2		1/2
3/4	2,354	3/4	1,966	3/4	1,578	3/4	1,190	3/4	807	3/4	429	3/4	44	3/4	3/4		3/4		3/4
4	2,346	4	1,958	4	1,570	4	1,182	4	799	4	421	4	37	4	4		4		4
1/4	2,338	1/4	1,950	1/4	1,562	1/4	1,174	1/4	791	1/4	413	1/4	32	1/4	1/4		1/4		1/4
1/2	2,330	1/2	1,942	1/2	1,554	1/2	1,165	1/2	784	1/2	405	1/2	27	1/2	1/2		1/2		1/2
3/4	2,322	3/4	1,934	3/4	1,546	3/4	1,157	3/4	776	3/4	397	3/4	22	3/4	3/4		3/4		3/4
5	2,314	5	1,926	5	1,538	5	1,149	5	768	5	389	5	16	5	5		5		5
1/4	2,306	1/4	1,918	1/4	1,529	1/4	1,141	1/4	760	1/4	380	1/4		1/4	1/4		1/4		1/4
1/2	2,298	1/2	1,910	1/2	1,521	1/2	1,133	1/2	753	1/2	372	1/2		1/2	1/2		1/2		1/2
3/4	2,290	3/4	1,901	3/4	1,513	3/4	1,125	3/4	745	3/4	364	3/4		3/4	3/4		3/4		3/4
6	2,282	6	1,893	6	1,505	6	1,117	6	737	6	356	6		6	6		6		6
1/4	2,274	1/4	1,885	1/4	1,497	1/4	1,109	1/4	729	1/4	348	1/4		1/4	1/4		1/4		1/4
1/2	2,265	1/2	1,877	1/2	1,489	1/2	1,101	1/2	722	1/2	340	1/2		1/2	1/2		1/2		1/2
3/4	2,257	3/4	1,869	3/4	1,481	3/4	1,093	3/4	714	3/4	332	3/4		3/4	3/4		3/4		3/4
7	2,249	7	1,861	7	1,473	7	1,085	7	706	7	324	7		7	7		7		7
1/4	2,241	1/4	1,853	1/4	1,465	1/4	1,076	1/4	698	1/4	316	1/4		1/4	1/4		1/4		1/4
1/2	2,233	1/2	1,845	1/2	1,457	1/2	1,068	1/2	691	1/2	308	1/2		1/2	1/2		1/2		1/2
3/4	2,225	3/4	1,837	3/4	1,449	3/4	1,060	3/4	683	3/4	300	3/4		3/4	3/4		3/4		3/4
8	2,217	8	1,829	8	1,440	8	1,052	8	675	8	291	8		8	8		8		8
1/4	2,209	1/4	1,821	1/4	1,432	1/4	1,044	1/4	667	1/4	283	1/4		1/4	1/4		1/4		1/4
1/2	2,201	1/2	1,813	1/2	1,424	1/2	1,036	1/2	660	1/2	275	1/2		1/2	1/2		1/2		1/2
3/4	2,193	3/4	1,804	3/4	1,416	3/4	1,028	3/4	652	3/4	267	3/4		3/4	3/4		3/4		3/4
9	2,185	9	1,796	9	1,408	9	1,020	9	644	9	259	9		9	9		9		9
1/4	2,176	1/4	1,788	1/4	1,400	1/4	1,012	1/4	636	1/4	251	1/4		1/4	1/4		1/4		1/4
1/2	2,168	1/2	1,780	1/2	1,392	1/2	1,004	1/2	629	1/2	243	1/2		1/2	1/2		1/2		1/2
3/4	2,160	3/4	1,772	3/4	1,384	3/4	996	3/4	621	3/4	235	3/4		3/4	3/4		3/4		3/4
10	2,152	10	1,764	10	1,376	10	988	10	613	10	227	10		10	10		10		10
1/4	2,144	1/4	1,756	1/4	1,368	1/4	979	1/4	605	1/4	219	1/4		1/4	1/4		1/4		1/4
1/2	2,136	1/2	1,748	1/2	1,360	1/2	971	1/2	598	1/2	211	1/2		1/2	1/2		1/2		1/2
3/4	2,128	3/4	1,740	3/4	1,351	3/4	963	3/4	590	3/4	202	3/4		3/4	3/4		3/4		3/4
11	2,120	11	1,732	11	1,343	11	955	11	582	11	194	11		11	11		11		11
1/4	2,112	1/4	1,724	1/4	1,335	1/4	947	1/4	574	1/4	186	1/4		1/4	1/4		1/4		1/4
1/2	2,104	1/2	1,715	1/2	1,327	1/2	939	1/2	566	1/2	178	1/2		1/2	1/2		1/2		1/2
3/4	2,096	3/4	1,707	3/4	1,319	3/4	931	3/4	558	3/4	170	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/21/2011 CL - SW  
CALCULATED: 07/21/2011 CL  
PRINTED: 07/21/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2011

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



# BARGE "KIRBY 28140"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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
							4,491.38		4,235.54		3,966.88		3,685.77		3,391.53		3,035.85		2,675.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,486.13	1/4	4,230.09	1/4	3,961.14	1/4	3,679.78	1/4	3,384.71	1/4	3,028.33	1/4	2,667.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,480.89	1/2	4,224.64	1/2	3,955.39	1/2	3,673.79	1/2	3,377.89	1/2	3,020.82	1/2	2,660.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,475.65	3/4	4,219.18	3/4	3,949.65	3/4	3,667.80	3/4	3,371.07	3/4	3,013.31	3/4	2,652.59
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4,470.40</b>	<b>1</b>	<b>4,213.73</b>	<b>1</b>	<b>3,943.91</b>	<b>1</b>	<b>3,661.81</b>	<b>1</b>	<b>3,364.25</b>	<b>1</b>	<b>3,005.79</b>	<b>1</b>	<b>2,645.08</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,465.14	1/4	4,208.25	1/4	3,938.14	1/4	3,655.79	1/4	3,357.15	1/4	2,998.28	1/4	2,637.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,459.88	1/2	4,202.78	1/2	3,932.38	1/2	3,649.78	1/2	3,350.06	1/2	2,990.76	1/2	2,630.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,454.62	3/4	4,197.30	3/4	3,926.62	3/4	3,643.76	3/4	3,342.96	3/4	2,983.25	3/4	2,622.53
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>4,449.35</b>	<b>2</b>	<b>4,191.82</b>	<b>2</b>	<b>3,920.86</b>	<b>2</b>	<b>3,637.74</b>	<b>2</b>	<b>3,335.86</b>	<b>2</b>	<b>2,975.73</b>	<b>2</b>	<b>2,615.01</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,444.07	1/4	4,186.33	1/4	3,915.08	1/4	3,631.71	1/4	3,328.49	1/4	2,968.22	1/4	2,607.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,438.78	1/2	4,180.83	1/2	3,909.30	1/2	3,625.67	1/2	3,321.11	1/2	2,960.71	1/2	2,599.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,433.49	3/4	4,175.34	3/4	3,903.52	3/4	3,619.64	3/4	3,313.74	3/4	2,953.19	3/4	2,592.47
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4,428.21</b>	<b>3</b>	<b>4,169.84</b>	<b>3</b>	<b>3,897.73</b>	<b>3</b>	<b>3,613.61</b>	<b>3</b>	<b>3,306.36</b>	<b>3</b>	<b>2,945.68</b>	<b>3</b>	<b>2,584.95</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,422.94	1/4	4,164.29	1/4	3,891.93	1/4	3,607.55	1/4	3,298.85	1/4	2,938.16	1/4	2,577.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,417.67	1/2	4,158.73	1/2	3,886.13	1/2	3,601.50	1/2	3,291.34	1/2	2,930.65	1/2	2,569.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,412.40	3/4	4,153.18	3/4	3,880.32	3/4	3,595.45	3/4	3,283.82	3/4	2,923.13	3/4	2,562.41
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4,407.13</b>	<b>4</b>	<b>4,147.63</b>	<b>4</b>	<b>3,874.52</b>	<b>4</b>	<b>3,589.40</b>	<b>4</b>	<b>3,276.31</b>	<b>4</b>	<b>2,915.62</b>	<b>4</b>	<b>2,554.89</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,401.85	1/4	4,142.05	1/4	3,868.69	1/4	3,583.32	1/4	3,268.79	1/4	2,908.11	1/4	2,547.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,396.56	1/2	4,136.48	1/2	3,862.87	1/2	3,577.24	1/2	3,261.28	1/2	2,900.59	1/2	2,539.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,391.27	3/4	4,130.90	3/4	3,857.04	3/4	3,571.16	3/4	3,253.76	3/4	2,893.08	3/4	2,532.34
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4,385.98</b>	<b>5</b>	<b>4,125.33</b>	<b>5</b>	<b>3,851.22</b>	<b>5</b>	<b>3,565.08</b>	<b>5</b>	<b>3,246.25</b>	<b>5</b>	<b>2,885.56</b>	<b>5</b>	<b>2,524.83</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,380.67	1/4	4,119.73	1/4	3,845.37	1/4	3,558.99	1/4	3,238.74	1/4	2,878.05	1/4	2,517.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,375.36	1/2	4,114.14	1/2	3,839.52	1/2	3,552.89	1/2	3,231.22	1/2	2,870.53	1/2	2,509.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,370.05	3/4	4,108.54	3/4	3,833.67	3/4	3,546.79	3/4	3,223.71	3/4	2,863.02	3/4	2,502.28
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>4,364.74</b>	<b>6</b>	<b>4,102.95</b>	<b>6</b>	<b>3,827.82</b>	<b>6</b>	<b>3,540.70</b>	<b>6</b>	<b>3,216.19</b>	<b>6</b>	<b>2,855.51</b>	<b>6</b>	<b>2,494.77</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,359.41	1/4	4,097.33	1/4	3,821.95	1/4	3,534.58	1/4	3,208.68	1/4	2,847.99	1/4	2,487.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,619.48	1/2	4,354.08	1/2	4,091.70	1/2	3,816.09	1/2	3,528.47	1/2	3,201.16	1/2	2,840.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,614.89	3/4	4,348.75	3/4	4,086.08	3/4	3,810.22	3/4	3,522.36	3/4	3,193.65	3/4	2,832.96
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>4,610.29</b>	<b>7</b>	<b>4,343.42</b>	<b>7</b>	<b>4,080.46</b>	<b>7</b>	<b>3,804.35</b>	<b>7</b>	<b>3,516.24</b>	<b>7</b>	<b>3,186.14</b>	<b>7</b>	<b>2,825.45</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,604.17	1/4	4,338.06	1/4	4,074.82	1/4	3,798.47	1/4	3,510.12	1/4	3,178.62	1/4	2,817.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,598.04	1/2	4,332.71	1/2	4,069.19	1/2	3,792.58	1/2	3,503.99	1/2	3,171.11	1/2	2,810.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,591.92	3/4	4,327.35	3/4	4,063.55	3/4	3,786.70	3/4	3,497.87	3/4	3,163.59	3/4	2,802.90
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>4,585.79</b>	<b>8</b>	<b>4,322.00</b>	<b>8</b>	<b>4,057.91</b>	<b>8</b>	<b>3,780.81</b>	<b>8</b>	<b>3,491.74</b>	<b>8</b>	<b>3,156.08</b>	<b>8</b>	<b>2,795.39</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,579.66	1/4	4,316.62	1/4	4,052.25	1/4	3,774.90	1/4	3,485.62	1/4	3,148.56	1/4	2,787.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,573.54	1/2	4,311.25	1/2	4,046.60	1/2	3,768.99	1/2	3,479.49	1/2	3,141.05	1/2	2,780.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,567.41	3/4	4,305.88	3/4	4,040.94	3/4	3,763.08	3/4	3,473.37	3/4	3,133.54	3/4	2,772.84
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>4,561.29</b>	<b>9</b>	<b>4,300.51</b>	<b>9</b>	<b>4,035.28</b>	<b>9</b>	<b>3,757.17</b>	<b>9</b>	<b>3,467.24</b>	<b>9</b>	<b>3,126.02</b>	<b>9</b>	<b>2,765.32</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,555.16	1/4	4,295.12	1/4	4,029.60	1/4	3,751.24	1/4	3,461.12	1/4	3,118.51	1/4	2,757.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,549.04	1/2	4,289.73	1/2	4,023.92	1/2	3,745.31	1/2	3,455.00	1/2	3,110.99	1/2	2,750.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,542.91	3/4	4,284.34	3/4	4,018.24	3/4	3,739.38	3/4	3,448.87	3/4	3,103.48	3/4	2,742.78
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>4,536.78</b>	<b>10</b>	<b>4,278.94</b>	<b>10</b>	<b>4,012.55</b>	<b>10</b>	<b>3,733.45</b>	<b>10</b>	<b>3,442.75</b>	<b>10</b>	<b>3,095.96</b>	<b>10</b>	<b>2,735.26</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,530.66	1/4	4,273.53	1/4	4,006.85	1/4	3,727.50	1/4	3,436.48	1/4	3,088.45	1/4	2,727.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,524.53	1/2	4,268.11	1/2	4,001.15	1/2	3,721.56	1/2	3,430.22	1/2	3,080.93	1/2	2,720.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,518.41	3/4	4,262.70	3/4	3,995.46	3/4	3,715.61	3/4	3,423.96	3/4	3,073.42	3/4	2,712.72
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>4,512.28</b>	<b>11</b>	<b>4,257.28</b>	<b>11</b>	<b>3,989.76</b>	<b>11</b>	<b>3,709.66</b>	<b>11</b>	<b>3,417.69</b>	<b>11</b>	<b>3,065.91</b>	<b>11</b>	<b>2,705.20</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,507.06	1/4	4,251.85	1/4	3,984.04	1/4	3,703.69	1/4	3,411.15	1/4	3,058.39	1/4	2,697.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,501.83	1/2	4,246.41	1/2	3,978.32	1/2	3,697.72	1/2	3,404.61	1/2	3,050.88	1/2	2,690.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,496.60	3/4	4,240.98	3/4	3,972.60	3/4	3,691.75	3/4	3,398.07	3/4	3,043.36	3/4	2,682.65

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 41'-00" 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 28140"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,314	0	1,954	0	1,593	0	1,232	0	872	0	511	0	151	0		0		0	
1/4	2,307	1/4	1,946	1/4	1,585	1/4	1,225	1/4	865	1/4	504	1/4	143	1/4	1/4	1/4		1/4	
1/2	2,299	1/2	1,939	1/2	1,578	1/2	1,217	1/2	857	1/2	496	1/2	136	1/2	1/2	1/2		1/2	
3/4	2,292	3/4	1,931	3/4	1,570	3/4	1,210	3/4	850	3/4	489	3/4	128	3/4	3/4	3/4		3/4	
1	2,284	1	1,924	1	1,563	1	1,202	1	842	1	481	1	121	1	1	1		1	
1/4	2,277	1/4	1,916	1/4	1,555	1/4	1,195	1/4	835	1/4	474	1/4	113	1/4	1/4	1/4		1/4	
1/2	2,269	1/2	1,909	1/2	1,548	1/2	1,187	1/2	827	1/2	466	1/2	106	1/2	1/2	1/2		1/2	
3/4	2,262	3/4	1,901	3/4	1,540	3/4	1,180	3/4	820	3/4	459	3/4	98	3/4	3/4	3/4		3/4	
2	2,254	2	1,894	2	1,533	2	1,172	2	812	2	451	2	91	2	2	2		2	
1/4	2,247	1/4	1,886	1/4	1,525	1/4	1,165	1/4	805	1/4	444	1/4	83	1/4	1/4	1/4		1/4	
1/2	2,239	1/2	1,878	1/2	1,518	1/2	1,157	1/2	797	1/2	436	1/2	76	1/2	1/2	1/2		1/2	
3/4	2,232	3/4	1,871	3/4	1,510	3/4	1,149	3/4	790	3/4	429	3/4	68	3/4	3/4	3/4		3/4	
3	2,224	3	1,863	3	1,503	3	1,142	3	782	3	421	3	61	3	3	3		3	
1/4	2,217	1/4	1,856	1/4	1,495	1/4	1,134	1/4	775	1/4	414	1/4	54	1/4	1/4	1/4		1/4	
1/2	2,209	1/2	1,848	1/2	1,488	1/2	1,127	1/2	767	1/2	406	1/2	47	1/2	1/2	1/2		1/2	
3/4	2,202	3/4	1,841	3/4	1,480	3/4	1,119	3/4	759	3/4	399	3/4	41	3/4	3/4	3/4		3/4	
4	2,194	4	1,833	4	1,473	4	1,112	4	752	4	391	4	34	4	4	4		4	
1/4	2,187	1/4	1,826	1/4	1,465	1/4	1,104	1/4	744	1/4	384	1/4	30	1/4	1/4	1/4		1/4	
1/2	2,179	1/2	1,818	1/2	1,458	1/2	1,097	1/2	737	1/2	376	1/2	25	1/2	1/2	1/2		1/2	
3/4	2,172	3/4	1,811	3/4	1,450	3/4	1,089	3/4	729	3/4	369	3/4	20	3/4	3/4	3/4		3/4	
5	2,164	5	1,803	5	1,443	5	1,082	5	722	5	361	5	15	5	5	5		5	
1/4	2,157	1/4	1,796	1/4	1,435	1/4	1,074	1/4	714	1/4	354	1/4		1/4	1/4	1/4		1/4	
1/2	2,149	1/2	1,788	1/2	1,428	1/2	1,067	1/2	707	1/2	346	1/2		1/2	1/2	1/2		1/2	
3/4	2,142	3/4	1,781	3/4	1,420	3/4	1,059	3/4	699	3/4	339	3/4		3/4	3/4	3/4		3/4	
6	2,134	6	1,773	6	1,413	6	1,052	6	692	6	331	6		6	6	6		6	
1/4	2,127	1/4	1,766	1/4	1,405	1/4	1,044	1/4	684	1/4	324	1/4		1/4	1/4	1/4		1/4	
1/2	2,119	1/2	1,758	1/2	1,398	1/2	1,037	1/2	677	1/2	316	1/2		1/2	1/2	1/2		1/2	
3/4	2,111	3/4	1,751	3/4	1,390	3/4	1,030	3/4	669	3/4	309	3/4		3/4	3/4	3/4		3/4	
7	2,104	7	1,743	7	1,382	7	1,022	7	662	7	301	7		7	7	7		7	
1/4	2,096	1/4	1,736	1/4	1,375	1/4	1,015	1/4	654	1/4	294	1/4		1/4	1/4	1/4		1/4	
1/2	2,089	1/2	1,728	1/2	1,367	1/2	1,007	1/2	647	1/2	286	1/2		1/2	1/2	1/2		1/2	
3/4	2,081	3/4	1,721	3/4	1,360	3/4	1,000	3/4	639	3/4	279	3/4		3/4	3/4	3/4		3/4	
8	2,074	8	1,713	8	1,352	8	992	8	632	8	271	8		8	8	8		8	
1/4	2,066	1/4	1,706	1/4	1,345	1/4	985	1/4	624	1/4	263	1/4		1/4	1/4	1/4		1/4	
1/2	2,059	1/2	1,698	1/2	1,337	1/2	977	1/2	617	1/2	256	1/2		1/2	1/2	1/2		1/2	
3/4	2,051	3/4	1,691	3/4	1,330	3/4	970	3/4	609	3/4	248	3/4		3/4	3/4	3/4		3/4	
9	2,044	9	1,683	9	1,322	9	962	9	602	9	241	9		9	9	9		9	
1/4	2,036	1/4	1,676	1/4	1,315	1/4	955	1/4	594	1/4	233	1/4		1/4	1/4	1/4		1/4	
1/2	2,029	1/2	1,668	1/2	1,307	1/2	947	1/2	587	1/2	226	1/2		1/2	1/2	1/2		1/2	
3/4	2,021	3/4	1,661	3/4	1,300	3/4	940	3/4	579	3/4	218	3/4		3/4	3/4	3/4		3/4	
10	2,014	10	1,653	10	1,292	10	932	10	572	10	211	10		10	10	10		10	
1/4	2,006	1/4	1,646	1/4	1,285	1/4	925	1/4	564	1/4	203	1/4		1/4	1/4	1/4		1/4	
1/2	1,999	1/2	1,638	1/2	1,277	1/2	917	1/2	557	1/2	196	1/2		1/2	1/2	1/2		1/2	
3/4	1,991	3/4	1,630	3/4	1,270	3/4	910	3/4	549	3/4	188	3/4		3/4	3/4	3/4		3/4	
11	1,984	11	1,623	11	1,262	11	902	11	542	11	181	11		11	11	11		11	
1/4	1,976	1/4	1,615	1/4	1,255	1/4	895	1/4	534	1/4	173	1/4		1/4	1/4	1/4		1/4	
1/2	1,969	1/2	1,608	1/2	1,247	1/2	887	1/2	527	1/2	166	1/2		1/2	1/2	1/2		1/2	
3/4	1,961	3/4	1,600	3/4	1,240	3/4	880	3/4	519	3/4	158	3/4		3/4	3/4	3/4		3/4	

STRAPPED: 07/21/2011 CL - SW  
CALCULATED: 07/21/2011 CL  
PRINTED: 07/21/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2011

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "KIRBY 28140"

## 3 STBD 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,472.64	0	4,217.09	0	3,948.79	0	3,668.02	0	3,374.43	0	3,020.33	0	2,660.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,467.42	1/4	4,211.66	1/4	3,943.07	1/4	3,662.05	1/4	3,367.89	1/4	3,012.83	1/4	2,652.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,462.17	1/2	4,206.21	1/2	3,937.33	1/2	3,656.06	1/2	3,361.08	1/2	3,005.33	1/2	2,645.41		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,456.93	3/4	4,200.75	3/4	3,931.59	3/4	3,650.07	3/4	3,354.26	3/4	2,997.83	3/4	2,637.91		
1		1		1		1	4,451.69	1	4,195.30	1	3,925.85	1	3,644.08	1	3,347.44	1	2,990.34	1	2,630.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,446.45	1/4	4,189.85	1/4	3,920.11	1/4	3,638.09	1/4	3,340.62	1/4	2,982.84	1/4	2,622.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,441.19	1/2	4,184.38	1/2	3,914.35	1/2	3,632.08	1/2	3,333.53	1/2	2,975.34	1/2	2,615.41		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,435.93	3/4	4,178.90	3/4	3,908.59	3/4	3,626.06	3/4	3,326.43	3/4	2,967.84	3/4	2,607.91		
2		2		2		2	4,430.66	2	4,173.42	2	3,902.83	2	3,620.05	2	3,319.34	2	2,960.34	2	2,600.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,425.40	1/4	4,167.95	1/4	3,897.07	1/4	3,614.03	1/4	3,312.24	1/4	2,952.85	1/4	2,592.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,420.12	1/2	4,162.45	1/2	3,891.29	1/2	3,608.00	1/2	3,304.87	1/2	2,945.35	1/2	2,585.41		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,414.83	3/4	4,156.96	3/4	3,885.51	3/4	3,601.97	3/4	3,297.50	3/4	2,937.85	3/4	2,577.92		
3		3		3		3	4,409.55	3	4,151.47	3	3,879.73	3	3,595.94	3	3,290.13	3	2,930.35	3	2,570.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,404.26	1/4	4,145.97	1/4	3,873.95	1/4	3,589.90	1/4	3,282.75	1/4	2,922.85	1/4	2,562.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,399.00	1/2	4,140.42	1/2	3,868.15	1/2	3,583.85	1/2	3,275.26	1/2	2,915.36	1/2	2,555.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,393.73	3/4	4,134.87	3/4	3,862.34	3/4	3,577.80	3/4	3,267.76	3/4	2,907.86	3/4	2,547.92		
4		4		4		4	4,388.46	4	4,129.32	4	3,856.54	4	3,571.75	4	3,260.26	4	2,900.36	4	2,540.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,383.20	1/4	4,123.77	1/4	3,850.74	1/4	3,565.70	1/4	3,252.76	1/4	2,892.86	1/4	2,532.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,377.91	1/2	4,118.20	1/2	3,844.91	1/2	3,559.62	1/2	3,245.26	1/2	2,885.36	1/2	2,525.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,372.62	3/4	4,112.62	3/4	3,839.09	3/4	3,553.55	3/4	3,237.77	3/4	2,877.87	3/4	2,517.92		
5		5		5		5	4,367.34	5	4,107.05	5	3,833.27	5	3,547.47	5	3,230.27	5	2,870.37	5	2,510.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,362.05	1/4	4,101.47	1/4	3,827.45	1/4	3,541.39	1/4	3,222.77	1/4	2,862.87	1/4	2,502.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,356.74	1/2	4,095.88	1/2	3,821.60	1/2	3,535.30	1/2	3,215.27	1/2	2,855.37	1/2	2,495.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,351.43	3/4	4,090.29	3/4	3,815.75	3/4	3,529.21	3/4	3,207.77	3/4	2,847.88	3/4	2,487.93		
6		6		6		6	4,346.12	6	4,084.69	6	3,809.90	6	3,523.11	6	3,200.28	6	2,840.38	6	2,480.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,340.81	1/4	4,079.10	1/4	3,804.06	1/4	3,517.02	1/4	3,192.78	1/4	2,832.88	1/4	2,472.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,335.48	1/2	4,073.48	1/2	3,798.19	1/2	3,510.91	1/2	3,185.28	1/2	2,825.38	1/2	2,465.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,595.48	3/4	4,330.16	3/4	4,067.86	3/4	3,792.33	3/4	3,504.79	3/4	3,177.78	3/4	2,817.88	3/4	2,457.94
7		7		7		7	4,590.89	7	4,324.83	7	4,062.24	7	3,786.46	7	3,498.68	7	3,170.29	7	2,810.39	7	2,450.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,586.29	1/4	4,319.50	1/4	4,056.62	1/4	3,780.60	1/4	3,492.57	1/4	3,162.79	1/4	2,802.89	1/4	2,442.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,580.17	1/2	4,314.14	1/2	4,050.99	1/2	3,774.71	1/2	3,486.45	1/2	3,155.29	1/2	2,795.39	1/2	2,435.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,574.05	3/4	4,308.79	3/4	4,045.35	3/4	3,768.83	3/4	3,480.32	3/4	3,147.79	3/4	2,787.89	3/4	2,427.95
8		8		8		8	4,567.92	8	4,303.44	8	4,039.71	8	3,762.94	8	3,474.20	8	3,140.29	8	2,780.39	8	2,420.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,561.80	1/4	4,298.08	1/4	4,034.08	1/4	3,757.06	1/4	3,468.08	1/4	3,132.80	1/4	2,772.89	1/4	2,412.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,555.67	1/2	4,292.71	1/2	4,028.42	1/2	3,751.15	1/2	3,461.95	1/2	3,125.30	1/2	2,765.39	1/2	2,405.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,549.55	3/4	4,287.34	3/4	4,022.77	3/4	3,745.24	3/4	3,455.83	3/4	3,117.80	3/4	2,757.89	3/4	2,397.97
9		9		9		9	4,543.43	9	4,281.97	9	4,017.11	9	3,739.33	9	3,449.71	9	3,110.30	9	2,750.39	9	2,390.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,537.30	1/4	4,276.60	1/4	4,011.46	1/4	3,733.42	1/4	3,443.59	1/4	3,102.80	1/4	2,742.90	1/4	2,382.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,531.18	1/2	4,271.21	1/2	4,005.78	1/2	3,727.50	1/2	3,437.46	1/2	3,095.31	1/2	2,735.40	1/2	2,375.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,525.06	3/4	4,265.82	3/4	4,000.09	3/4	3,721.57	3/4	3,431.34	3/4	3,087.81	3/4	2,727.90	3/4	2,367.99
10		10		10		10	4,518.93	10	4,260.43	10	3,994.41	10	3,715.64	10	3,425.22	10	3,080.31	10	2,720.40	10	2,360.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,512.81	1/4	4,255.04	1/4	3,988.73	1/4	3,709.72	1/4	3,419.10	1/4	3,072.81	1/4	2,712.90	1/4	2,353.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,506.68	1/2	4,249.63	1/2	3,983.04	1/2	3,703.77	1/2	3,412.83	1/2	3,065.31	1/2	2,705.40	1/2	2,345.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,500.56	3/4	4,244.22	3/4	3,977.34	3/4	3,697.82	3/4	3,406.57	3/4	3,057.82	3/4	2,697.90	3/4	2,338.01
11		11		11		11	4,494.44	11	4,238.80	11	3,971.64	11	3,691.88	11	3,400.31	11	3,050.32	11	2,690.40	11	2,330.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,488.31	1/4	4,233.39	1/4	3,965.94	1/4	3,685.93	1/4	3,394.05	1/4	3,042.82	1/4	2,682.90	1/4	2,323.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,483.09	1/2	4,227.95	1/2	3,960.22	1/2	3,679.96	1/2	3,387.51	1/2	3,035.32	1/2	2,675.40	1/2	2,315.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,477.86	3/4	4,222.52	3/4	3,954.51	3/4	3,673.99	3/4	3,380.97	3/4	3,027.83	3/4	2,667.90	3/4	2,308.03

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 41'-00" 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 28140"

## 3 STBD 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	2,301	0	1,942	0	1,584	0	1,224	0	870	0	518	0	158	0		0		0	
1/4	2,293	1/4	1,934	1/4	1,576	1/4	1,216	1/4	863	1/4	511	1/4	151	1/4	1/4	1/4		1/4	
1/2	2,286	1/2	1,927	1/2	1,569	1/2	1,209	1/2	856	1/2	503	1/2	143	1/2	1/2	1/2		1/2	
3/4	2,278	3/4	1,919	3/4	1,561	3/4	1,201	3/4	848	3/4	496	3/4	136	3/4	3/4	3/4		3/4	
1	2,271	1	1,912	1	1,554	1	1,194	1	841	1	488	1	128	1	1	1		1	
1/4	2,263	1/4	1,905	1/4	1,546	1/4	1,187	1/4	833	1/4	481	1/4	121	1/4	1/4	1/4		1/4	
1/2	2,256	1/2	1,897	1/2	1,539	1/2	1,179	1/2	826	1/2	473	1/2	113	1/2	1/2	1/2		1/2	
3/4	2,248	3/4	1,890	3/4	1,531	3/4	1,172	3/4	819	3/4	466	3/4	106	3/4	3/4	3/4		3/4	
2	2,241	2	1,882	2	1,524	2	1,165	2	811	2	458	2	98	2	2	2		2	
1/4	2,233	1/4	1,875	1/4	1,516	1/4	1,157	1/4	804	1/4	451	1/4	91	1/4	1/4	1/4		1/4	
1/2	2,226	1/2	1,867	1/2	1,509	1/2	1,150	1/2	797	1/2	443	1/2	83	1/2	1/2	1/2		1/2	
3/4	2,218	3/4	1,860	3/4	1,501	3/4	1,143	3/4	789	3/4	436	3/4	76	3/4	3/4	3/4		3/4	
3	2,211	3	1,853	3	1,494	3	1,135	3	782	3	428	3	68	3	3	3		3	
1/4	2,203	1/4	1,845	1/4	1,486	1/4	1,128	1/4	775	1/4	421	1/4	61	1/4	1/4	1/4		1/4	
1/2	2,196	1/2	1,838	1/2	1,479	1/2	1,120	1/2	767	1/2	413	1/2	54	1/2	1/2	1/2		1/2	
3/4	2,188	3/4	1,830	3/4	1,471	3/4	1,113	3/4	760	3/4	406	3/4	47	3/4	3/4	3/4		3/4	
4	2,181	4	1,823	4	1,464	4	1,106	4	753	4	398	4	41	4	4	4		4	
1/4	2,173	1/4	1,815	1/4	1,456	1/4	1,098	1/4	745	1/4	391	1/4	34	1/4	1/4	1/4		1/4	
1/2	2,166	1/2	1,808	1/2	1,449	1/2	1,091	1/2	738	1/2	383	1/2	30	1/2	1/2	1/2		1/2	
3/4	2,158	3/4	1,801	3/4	1,441	3/4	1,084	3/4	731	3/4	376	3/4	25	3/4	3/4	3/4		3/4	
5	2,151	5	1,793	5	1,434	5	1,076	5	723	5	368	5	20	5	5	5		5	
1/4	2,143	1/4	1,786	1/4	1,426	1/4	1,069	1/4	716	1/4	361	1/4	15	1/4	1/4	1/4		1/4	
1/2	2,136	1/2	1,778	1/2	1,419	1/2	1,062	1/2	709	1/2	353	1/2		1/2	1/2	1/2		1/2	
3/4	2,128	3/4	1,771	3/4	1,411	3/4	1,054	3/4	701	3/4	346	3/4		3/4	3/4	3/4		3/4	
6	2,121	6	1,763	6	1,404	6	1,047	6	694	6	338	6	6	6	6	6		6	
1/4	2,113	1/4	1,756	1/4	1,396	1/4	1,040	1/4	687	1/4	331	1/4		1/4	1/4	1/4		1/4	
1/2	2,106	1/2	1,748	1/2	1,389	1/2	1,032	1/2	679	1/2	323	1/2		1/2	1/2	1/2		1/2	
3/4	2,098	3/4	1,741	3/4	1,381	3/4	1,025	3/4	672	3/4	316	3/4		3/4	3/4	3/4		3/4	
7	2,091	7	1,734	7	1,374	7	1,017	7	665	7	308	7	7	7	7	7		7	
1/4	2,083	1/4	1,726	1/4	1,366	1/4	1,010	1/4	657	1/4	301	1/4		1/4	1/4	1/4		1/4	
1/2	2,076	1/2	1,719	1/2	1,359	1/2	1,003	1/2	650	1/2	293	1/2		1/2	1/2	1/2		1/2	
3/4	2,068	3/4	1,711	3/4	1,351	3/4	995	3/4	643	3/4	286	3/4		3/4	3/4	3/4		3/4	
8	2,061	8	1,704	8	1,344	8	988	8	635	8	278	8	8	8	8	8		8	
1/4	2,053	1/4	1,696	1/4	1,336	1/4	981	1/4	628	1/4	271	1/4		1/4	1/4	1/4		1/4	
1/2	2,046	1/2	1,689	1/2	1,329	1/2	973	1/2	621	1/2	263	1/2		1/2	1/2	1/2		1/2	
3/4	2,038	3/4	1,681	3/4	1,321	3/4	966	3/4	613	3/4	256	3/4		3/4	3/4	3/4		3/4	
9	2,031	9	1,674	9	1,314	9	959	9	606	9	248	9	9	9	9	9		9	
1/4	2,024	1/4	1,666	1/4	1,306	1/4	951	1/4	599	1/4	241	1/4		1/4	1/4	1/4		1/4	
1/2	2,016	1/2	1,659	1/2	1,299	1/2	944	1/2	591	1/2	233	1/2		1/2	1/2	1/2		1/2	
3/4	2,009	3/4	1,651	3/4	1,291	3/4	937	3/4	584	3/4	226	3/4		3/4	3/4	3/4		3/4	
10	2,001	10	1,644	10	1,284	10	929	10	577	10	218	10	10	10	10	10		10	
1/4	1,994	1/4	1,636	1/4	1,276	1/4	922	1/4	569	1/4	211	1/4		1/4	1/4	1/4		1/4	
1/2	1,986	1/2	1,629	1/2	1,269	1/2	914	1/2	562	1/2	203	1/2		1/2	1/2	1/2		1/2	
3/4	1,979	3/4	1,621	3/4	1,261	3/4	907	3/4	555	3/4	196	3/4		3/4	3/4	3/4		3/4	
11	1,972	11	1,614	11	1,254	11	900	11	547	11	188	11	11	11	11	11		11	
1/4	1,964	1/4	1,606	1/4	1,246	1/4	892	1/4	540	1/4	181	1/4		1/4	1/4	1/4		1/4	
1/2	1,957	1/2	1,599	1/2	1,239	1/2	885	1/2	533	1/2	173	1/2		1/2	1/2	1/2		1/2	
3/4	1,949	3/4	1,591	3/4	1,231	3/4	878	3/4	525	3/4	166	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/21/2011 CL - SW  
CALCULATED: 07/21/2011 CL  
PRINTED: 07/21/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2011

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