



# BARGE "KIRBY 28088"

ULLAGE TRIM TABLE  
FORMERLY "SMS 30044"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 257'-03"

March 3, 2023

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

<http://www.pmacorp.net>



# BARGE "KIRBY 28088"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30044"

GAUGE HEIGHT 17'-00 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		
									4,633.03		4,280.91		3,928.36		3,574.15		3,219.94		2,865.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,625.70	1/4	4,273.57	1/4	3,920.98	1/4	3,566.77	1/4	3,212.56	1/4	2,858.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,618.36	1/2	4,266.23	1/2	3,913.60	1/2	3,559.39	1/2	3,205.18	1/2	2,850.97		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,611.03	3/4	4,258.90	3/4	3,906.22	3/4	3,552.01	3/4	3,197.80	3/4	2,843.59		
<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>	4,603.69	<b>1</b>	4,251.56	<b>1</b>	3,898.84	<b>1</b>	3,544.63	<b>1</b>	3,190.42	<b>1</b>	2,836.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,938.53	1/4	4,596.35	1/4	4,244.23	1/4	3,891.46	1/4	3,537.25	1/4	3,183.04	1/4	2,828.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,932.71	1/2	4,589.02	1/2	4,236.89	1/2	3,884.08	1/2	3,529.87	1/2	3,175.66	1/2	2,821.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,926.89	3/4	4,581.68	3/4	4,229.55	3/4	3,876.71	3/4	3,522.49	3/4	3,168.28	3/4	2,814.07
<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>	4,921.07	<b>2</b>	4,574.35	<b>2</b>	4,222.22	<b>2</b>	3,869.33	<b>2</b>	3,515.11	<b>2</b>	3,160.90	<b>2</b>	2,806.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,915.24	1/4	4,567.01	1/4	4,214.88	1/4	3,861.95	1/4	3,507.74	1/4	3,153.52	1/4	2,799.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,908.47	1/2	4,559.67	1/2	4,207.55	1/2	3,854.57	1/2	3,500.36	1/2	3,146.15	1/2	2,791.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,901.69	3/4	4,552.34	3/4	4,200.21	3/4	3,847.19	3/4	3,492.98	3/4	3,138.77	3/4	2,784.55
<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>	4,894.91	<b>3</b>	4,545.00	<b>3</b>	4,192.87	<b>3</b>	3,839.81	<b>3</b>	3,485.60	<b>3</b>	3,131.39	<b>3</b>	2,777.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,888.13	1/4	4,537.67	1/4	4,185.54	1/4	3,832.43	1/4	3,478.22	1/4	3,124.01	1/4	2,769.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,880.93	1/2	4,530.33	1/2	4,178.20	1/2	3,825.05	1/2	3,470.84	1/2	3,116.63	1/2	2,762.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,873.73	3/4	4,522.99	3/4	4,170.87	3/4	3,817.67	3/4	3,463.46	3/4	3,109.25	3/4	2,755.04
<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>	4,866.52	<b>4</b>	4,515.66	<b>4</b>	4,163.53	<b>4</b>	3,810.29	<b>4</b>	3,456.08	<b>4</b>	3,101.87	<b>4</b>	2,747.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,859.32	1/4	4,508.32	1/4	4,156.19	1/4	3,802.91	1/4	3,448.70	1/4	3,094.49	1/4	2,740.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,852.06	1/2	4,500.99	1/2	4,148.86	1/2	3,795.53	1/2	3,441.32	1/2	3,087.11	1/2	2,732.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,844.80	3/4	4,493.65	3/4	4,141.52	3/4	3,788.15	3/4	3,433.94	3/4	3,079.73	3/4	2,725.52
<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>	4,837.53	<b>5</b>	4,486.31	<b>5</b>	4,134.19	<b>5</b>	3,780.77	<b>5</b>	3,426.56	<b>5</b>	3,072.35	<b>5</b>	2,718.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,830.27	1/4	4,478.98	1/4	4,126.85	1/4	3,773.39	1/4	3,419.18	1/4	3,064.97	1/4	2,710.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,823.00	1/2	4,471.64	1/2	4,119.51	1/2	3,766.01	1/2	3,411.80	1/2	3,057.59	1/2	2,703.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,815.73	3/4	4,464.31	3/4	4,112.18	3/4	3,758.64	3/4	3,404.42	3/4	3,050.21	3/4	2,696.00
<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>	4,808.46	<b>6</b>	4,456.97	<b>6</b>	4,104.84	<b>6</b>	3,751.26	<b>6</b>	3,397.04	<b>6</b>	3,042.83	<b>6</b>	2,688.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,801.19	1/4	4,449.63	1/4	4,097.51	1/4	3,743.88	1/4	3,389.67	1/4	3,035.45	1/4	2,681.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,793.92	1/2	4,442.30	1/2	4,090.17	1/2	3,736.50	1/2	3,382.29	1/2	3,028.07	1/2	2,673.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,786.64	3/4	4,434.96	3/4	4,082.83	3/4	3,729.12	3/4	3,374.91	3/4	3,020.70	3/4	2,666.48
<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>	4,779.37	<b>7</b>	4,427.63	<b>7</b>	4,075.50	<b>7</b>	3,721.74	<b>7</b>	3,367.53	<b>7</b>	3,013.32	<b>7</b>	2,659.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,772.10	1/4	4,420.29	1/4	4,068.16	1/4	3,714.36	1/4	3,360.15	1/4	3,005.94	1/4	2,651.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,764.83	1/2	4,412.95	1/2	4,060.83	1/2	3,706.98	1/2	3,352.77	1/2	2,998.56	1/2	2,644.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,757.55	3/4	4,405.62	3/4	4,053.49	3/4	3,699.60	3/4	3,345.39	3/4	2,991.18	3/4	2,636.97
<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>	4,750.28	<b>8</b>	4,398.28	<b>8</b>	4,046.15	<b>8</b>	3,692.22	<b>8</b>	3,338.01	<b>8</b>	2,983.80	<b>8</b>	2,629.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,743.01	1/4	4,390.95	1/4	4,038.82	1/4	3,684.84	1/4	3,330.63	1/4	2,976.42	1/4	2,622.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,735.70	1/2	4,383.61	1/2	4,031.48	1/2	3,677.46	1/2	3,323.25	1/2	2,969.04	1/2	2,614.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,728.38	3/4	4,376.27	3/4	4,024.15	3/4	3,670.08	3/4	3,315.87	3/4	2,961.66	3/4	2,607.45
<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>	4,721.07	<b>9</b>	4,368.94	<b>9</b>	4,016.81	<b>9</b>	3,662.70	<b>9</b>	3,308.49	<b>9</b>	2,954.28	<b>9</b>	2,600.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,713.75	1/4	4,361.60	1/4	4,009.47	1/4	3,655.32	1/4	3,301.11	1/4	2,946.90	1/4	2,592.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,706.41	1/2	4,354.27	1/2	4,002.11	1/2	3,647.94	1/2	3,293.73	1/2	2,939.52	1/2	2,585.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,699.07	3/4	4,346.93	3/4	3,994.75	3/4	3,640.56	3/4	3,286.35	3/4	2,932.14	3/4	2,577.93
<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>	4,691.73	<b>10</b>	4,339.59	<b>10</b>	3,987.38	<b>10</b>	3,633.19	<b>10</b>	3,278.97	<b>10</b>	2,924.76	<b>10</b>	2,570.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,684.39	1/4	4,332.26	1/4	3,980.02	1/4	3,625.81	1/4	3,271.59	1/4	2,917.38	1/4	2,563.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,677.05	1/2	4,324.92	1/2	3,972.64	1/2	3,618.43	1/2	3,264.22	1/2	2,910.00	1/2	2,555.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,669.72	3/4	4,317.59	3/4	3,965.26	3/4	3,611.05	3/4	3,256.84	3/4	2,902.62	3/4	2,548.40
<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>	4,662.38	<b>11</b>	4,310.25	<b>11</b>	3,957.88	<b>11</b>	3,603.67	<b>11</b>	3,249.46	<b>11</b>	2,895.25	<b>11</b>	2,541.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,655.04	1/4	4,302.91	1/4	3,950.50	1/4	3,596.29	1/4	3,242.08	1/4	2,887.87	1/4	2,533.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,647.71	1/2	4,295.58	1/2	3,943.12	1/2	3,588.91	1/2	3,234.70	1/2	2,880.49	1/2	2,526.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,640.37	3/4	4,288.24	3/4	3,935.74	3/4	3,581.53	3/4	3,227.32	3/4	2,873.11	3/4	2,518.87

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 14'-08" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "KIRBY 28088"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30044"

GAUGE HEIGHT 17'-00 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	2,511.48	0	2,157.06	0	1,802.64	0	1,448.22	0	1,093.98	0	741.73	0	387.32	0	46.47	0		0	
1/4	2,504.10	1/4	2,149.68	1/4	1,795.26	1/4	1,440.83	1/4	1,086.63	1/4	734.35	1/4	379.94	1/4	41.33	1/4		1/4	
1/2	2,496.72	1/2	2,142.29	1/2	1,787.87	1/2	1,433.45	1/2	1,079.28	1/2	726.97	1/2	372.56	1/2		1/2		1/2	
3/4	2,489.33	3/4	2,134.91	3/4	1,780.49	3/4	1,426.07	3/4	1,071.94	3/4	719.58	3/4	365.17	3/4		3/4		3/4	
1	2,481.95	1	2,127.53	1	1,773.10	1	1,418.68	1	1,064.60	1	712.20	1	357.79	1		1		1	
1/4	2,474.57	1/4	2,120.14	1/4	1,765.72	1/4	1,411.30	1/4	1,057.26	1/4	704.82	1/4	350.41	1/4		1/4		1/4	
1/2	2,467.18	1/2	2,112.76	1/2	1,758.34	1/2	1,403.91	1/2	1,049.93	1/2	697.43	1/2	343.02	1/2		1/2		1/2	
3/4	2,459.80	3/4	2,105.38	3/4	1,750.95	3/4	1,396.53	3/4	1,042.59	3/4	690.05	3/4	335.64	3/4		3/4		3/4	
2	2,452.41	2	2,097.99	2	1,743.57	2	1,389.15	2	1,035.25	2	682.66	2	328.26	2		2		2	
1/4	2,445.03	1/4	2,090.61	1/4	1,736.19	1/4	1,381.76	1/4	1,027.92	1/4	675.28	1/4	320.87	1/4		1/4		1/4	
1/2	2,437.65	1/2	2,083.22	1/2	1,728.80	1/2	1,374.38	1/2	1,020.59	1/2	667.90	1/2	313.49	1/2		1/2		1/2	
3/4	2,430.26	3/4	2,075.84	3/4	1,721.42	3/4	1,367.00	3/4	1,013.25	3/4	660.51	3/4	306.11	3/4		3/4		3/4	
3	2,422.88	3	2,068.46	3	1,714.03	3	1,359.61	3	1,005.92	3	653.13	3	298.72	3		3		3	
1/4	2,415.50	1/4	2,061.07	1/4	1,706.65	1/4	1,352.23	1/4	998.59	1/4	645.75	1/4	291.34	1/4		1/4		1/4	
1/2	2,408.11	1/2	2,053.69	1/2	1,699.27	1/2	1,344.84	1/2	991.26	1/2	638.36	1/2	283.96	1/2		1/2		1/2	
3/4	2,400.73	3/4	2,046.31	3/4	1,691.88	3/4	1,337.46	3/4	983.93	3/4	630.98	3/4	276.57	3/4		3/4		3/4	
4	2,393.34	4	2,038.92	4	1,684.50	4	1,330.08	4	976.60	4	623.60	4	269.19	4		4		4	
1/4	2,385.96	1/4	2,031.54	1/4	1,677.12	1/4	1,322.69	1/4	969.27	1/4	616.21	1/4	261.81	1/4		1/4		1/4	
1/2	2,378.58	1/2	2,024.15	1/2	1,669.73	1/2	1,315.31	1/2	961.94	1/2	608.83	1/2	254.43	1/2		1/2		1/2	
3/4	2,371.19	3/4	2,016.77	3/4	1,662.35	3/4	1,307.93	3/4	954.61	3/4	601.45	3/4	247.04	3/4		3/4		3/4	
5	2,363.81	5	2,009.39	5	1,654.96	5	1,300.54	5	947.28	5	594.06	5	239.66	5		5		5	
1/4	2,356.42	1/4	2,002.00	1/4	1,647.58	1/4	1,293.16	1/4	939.95	1/4	586.68	1/4	232.28	1/4		1/4		1/4	
1/2	2,349.04	1/2	1,994.62	1/2	1,640.20	1/2	1,285.77	1/2	932.62	1/2	579.30	1/2	224.91	1/2		1/2		1/2	
3/4	2,341.66	3/4	1,987.23	3/4	1,632.81	3/4	1,278.39	3/4	925.29	3/4	571.91	3/4	217.54	3/4		3/4		3/4	
6	2,334.27	6	1,979.85	6	1,625.43	6	1,271.01	6	917.96	6	564.53	6	210.16	6		6		6	
1/4	2,326.89	1/4	1,972.47	1/4	1,618.04	1/4	1,263.62	1/4	910.63	1/4	557.15	1/4	202.79	1/4		1/4		1/4	
1/2	2,319.51	1/2	1,965.08	1/2	1,610.66	1/2	1,256.24	1/2	903.30	1/2	549.76	1/2	195.43	1/2		1/2		1/2	
3/4	2,312.12	3/4	1,957.70	3/4	1,603.28	3/4	1,248.85	3/4	895.96	3/4	542.38	3/4	188.06	3/4		3/4		3/4	
7	2,304.74	7	1,950.32	7	1,595.89	7	1,241.47	7	888.63	7	534.99	7	180.70	7		7		7	
1/4	2,297.35	1/4	1,942.93	1/4	1,588.51	1/4	1,234.09	1/4	881.30	1/4	527.61	1/4	173.34	1/4		1/4		1/4	
1/2	2,289.97	1/2	1,935.55	1/2	1,581.13	1/2	1,226.70	1/2	873.97	1/2	520.23	1/2	166.00	1/2		1/2		1/2	
3/4	2,282.59	3/4	1,928.16	3/4	1,573.74	3/4	1,219.32	3/4	866.64	3/4	512.84	3/4	158.66	3/4		3/4		3/4	
8	2,275.20	8	1,920.78	8	1,566.36	8	1,211.94	8	859.31	8	505.46	8	151.31	8		8		8	
1/4	2,267.82	1/4	1,913.40	1/4	1,558.97	1/4	1,204.55	1/4	851.98	1/4	498.08	1/4	143.97	1/4		1/4		1/4	
1/2	2,260.44	1/2	1,906.01	1/2	1,551.59	1/2	1,197.17	1/2	844.65	1/2	490.69	1/2	136.66	1/2		1/2		1/2	
3/4	2,253.05	3/4	1,898.63	3/4	1,544.21	3/4	1,189.78	3/4	837.32	3/4	483.31	3/4	129.35	3/4		3/4		3/4	
9	2,245.67	9	1,891.25	9	1,536.82	9	1,182.40	9	829.99	9	475.93	9	122.04	9		9		9	
1/4	2,238.28	1/4	1,883.86	1/4	1,529.44	1/4	1,175.02	1/4	822.66	1/4	468.54	1/4	114.73	1/4		1/4		1/4	
1/2	2,230.90	1/2	1,876.48	1/2	1,522.06	1/2	1,167.63	1/2	815.33	1/2	461.16	1/2	107.72	1/2		1/2		1/2	
3/4	2,223.52	3/4	1,869.09	3/4	1,514.67	3/4	1,160.25	3/4	808.00	3/4	453.78	3/4	100.70	3/4		3/4		3/4	
10	2,216.13	10	1,861.71	10	1,507.29	10	1,152.87	10	800.67	10	446.39	10	93.69	10		10		10	
1/4	2,208.75	1/4	1,854.33	1/4	1,499.90	1/4	1,145.48	1/4	793.34	1/4	439.01	1/4	86.67	1/4		1/4		1/4	
1/2	2,201.37	1/2	1,846.94	1/2	1,492.52	1/2	1,138.12	1/2	785.98	1/2	431.63	1/2	80.48	1/2		1/2		1/2	
3/4	2,193.98	3/4	1,839.56	3/4	1,485.14	3/4	1,130.76	3/4	778.61	3/4	424.24	3/4	74.28	3/4		3/4		3/4	
11	2,186.60	11	1,832.18	11	1,477.75	11	1,123.39	11	771.25	11	416.86	11	68.09	11		11		11	
1/4	2,179.21	1/4	1,824.79	1/4	1,470.37	1/4	1,116.03	1/4	763.88	1/4	409.48	1/4	61.90	1/4		1/4		1/4	
1/2	2,171.83	1/2	1,817.41	1/2	1,462.99	1/2	1,108.68	1/2	756.50	1/2	402.09	1/2	56.75	1/2		1/2		1/2	
3/4	2,164.45	3/4	1,810.02	3/4	1,455.60	3/4	1,101.33	3/4	749.12	3/4	394.71	3/4	51.61	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/28/2012 CL - SW  
RECOMP: 03/07/2023 JS  
NAME CHANG: 03/07/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023

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



# BARGE "KIRBY 28088"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30044"

GAUGE HEIGHT 17'-00"

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		0	4,630.51	0	4,278.16	0	3,925.35	0	3,570.93	0	3,216.50	0	2,862.07
1/4		1/4		1/4		1/4		1/4	4,623.17	1/4	4,270.82	1/4	3,917.97	1/4	3,563.54	1/4	3,209.12	1/4	2,854.69
1/2		1/2		1/2		1/2		1/2	4,615.83	1/2	4,263.48	1/2	3,910.59	1/2	3,556.16	1/2	3,201.73	1/2	2,847.30
3/4		3/4		3/4		3/4		3/4	4,608.49	3/4	4,256.14	3/4	3,903.20	3/4	3,548.77	3/4	3,194.35	3/4	2,839.92
1		1		1		1	4,944.35	1	4,601.14	1	4,248.80	1	3,895.82	1	3,541.39	1	3,186.96	1	2,832.54
1/4		1/4		1/4		1/4	4,938.53	1/4	4,593.80	1/4	4,241.46	1/4	3,888.43	1/4	3,534.01	1/4	3,179.58	1/4	2,825.15
1/2		1/2		1/2		1/2	4,932.70	1/2	4,586.46	1/2	4,234.12	1/2	3,881.05	1/2	3,526.62	1/2	3,172.20	1/2	2,817.77
3/4		3/4		3/4		3/4	4,926.88	3/4	4,579.12	3/4	4,226.78	3/4	3,873.67	3/4	3,519.24	3/4	3,164.81	3/4	2,810.38
2		2		2		2	4,921.05	2	4,571.78	2	4,219.44	2	3,866.28	2	3,511.86	2	3,157.43	2	2,803.00
1/4		1/4		1/4		1/4	4,914.27	1/4	4,564.44	1/4	4,212.10	1/4	3,858.90	1/4	3,504.47	1/4	3,150.04	1/4	2,795.62
1/2		1/2		1/2		1/2	4,907.49	1/2	4,557.10	1/2	4,204.76	1/2	3,851.51	1/2	3,497.09	1/2	3,142.66	1/2	2,788.23
3/4		3/4		3/4		3/4	4,900.70	3/4	4,549.76	3/4	4,197.42	3/4	3,844.13	3/4	3,489.70	3/4	3,135.28	3/4	2,780.85
3		3		3		3	4,893.92	3	4,542.42	3	4,190.08	3	3,836.75	3	3,482.32	3	3,127.89	3	2,773.47
1/4		1/4		1/4		1/4	4,886.71	1/4	4,535.08	1/4	4,182.74	1/4	3,829.36	1/4	3,474.94	1/4	3,120.51	1/4	2,766.08
1/2		1/2		1/2		1/2	4,879.51	1/2	4,527.74	1/2	4,175.40	1/2	3,821.98	1/2	3,467.55	1/2	3,113.12	1/2	2,758.70
3/4		3/4		3/4		3/4	4,872.30	3/4	4,520.40	3/4	4,168.06	3/4	3,814.59	3/4	3,460.17	3/4	3,105.74	3/4	2,751.31
4		4		4		4	4,865.10	4	4,513.06	4	4,160.71	4	3,807.21	4	3,452.78	4	3,098.36	4	2,743.93
1/4		1/4		1/4		1/4	4,857.83	1/4	4,505.72	1/4	4,153.37	1/4	3,799.83	1/4	3,445.40	1/4	3,090.97	1/4	2,736.55
1/2		1/2		1/2		1/2	4,850.56	1/2	4,498.38	1/2	4,146.03	1/2	3,792.44	1/2	3,438.02	1/2	3,083.59	1/2	2,729.16
3/4		3/4		3/4		3/4	4,843.29	3/4	4,491.04	3/4	4,138.69	3/4	3,785.06	3/4	3,430.63	3/4	3,076.21	3/4	2,721.78
5		5		5		5	4,836.03	5	4,483.70	5	4,131.35	5	3,777.68	5	3,423.25	5	3,068.82	5	2,714.39
1/4		1/4		1/4		1/4	4,828.71	1/4	4,476.36	1/4	4,124.01	1/4	3,770.29	1/4	3,415.86	1/4	3,061.44	1/4	2,707.01
1/2		1/2		1/2		1/2	4,821.39	1/2	4,469.02	1/2	4,116.67	1/2	3,762.91	1/2	3,408.48	1/2	3,054.05	1/2	2,699.63
3/4		3/4		3/4		3/4	4,814.07	3/4	4,461.68	3/4	4,109.33	3/4	3,755.52	3/4	3,401.10	3/4	3,046.67	3/4	2,692.24
6		6		6		6	4,806.75	6	4,454.33	6	4,101.99	6	3,748.14	6	3,393.71	6	3,039.29	6	2,684.86
1/4		1/4		1/4		1/4	4,799.41	1/4	4,446.99	1/4	4,094.65	1/4	3,740.76	1/4	3,386.33	1/4	3,031.90	1/4	2,677.47
1/2		1/2		1/2		1/2	4,792.06	1/2	4,439.65	1/2	4,087.31	1/2	3,733.37	1/2	3,378.94	1/2	3,024.52	1/2	2,670.09
3/4		3/4		3/4		3/4	4,784.72	3/4	4,432.31	3/4	4,079.97	3/4	3,725.99	3/4	3,371.56	3/4	3,017.13	3/4	2,662.71
7		7		7		7	4,777.37	7	4,424.97	7	4,072.63	7	3,718.60	7	3,364.18	7	3,009.75	7	2,655.32
1/4		1/4		1/4		1/4	4,770.03	1/4	4,417.63	1/4	4,065.29	1/4	3,711.22	1/4	3,356.79	1/4	3,002.37	1/4	2,647.94
1/2		1/2		1/2		1/2	4,762.69	1/2	4,410.29	1/2	4,057.95	1/2	3,703.84	1/2	3,349.41	1/2	2,994.98	1/2	2,640.55
3/4		3/4		3/4		3/4	4,755.34	3/4	4,402.95	3/4	4,050.61	3/4	3,696.45	3/4	3,342.03	3/4	2,987.60	3/4	2,633.17
8		8		8		8	4,748.00	8	4,395.61	8	4,043.27	8	3,689.07	8	3,334.64	8	2,980.21	8	2,625.79
1/4		1/4		1/4		1/4	4,740.65	1/4	4,388.27	1/4	4,035.93	1/4	3,681.68	1/4	3,327.26	1/4	2,972.83	1/4	2,618.40
1/2		1/2		1/2		1/2	4,733.31	1/2	4,380.93	1/2	4,028.59	1/2	3,674.30	1/2	3,319.87	1/2	2,965.45	1/2	2,611.02
3/4		3/4		3/4		3/4	4,725.96	3/4	4,373.59	3/4	4,021.25	3/4	3,666.92	3/4	3,312.49	3/4	2,958.06	3/4	2,603.64
9		9		9		9	4,718.62	9	4,366.25	9	4,013.90	9	3,659.53	9	3,305.11	9	2,950.68	9	2,596.25
1/4		1/4		1/4		1/4	4,711.27	1/4	4,358.91	1/4	4,006.53	1/4	3,652.15	1/4	3,297.72	1/4	2,943.29	1/4	2,588.87
1/2		1/2		1/2		1/2	4,703.93	1/2	4,351.57	1/2	3,999.16	1/2	3,644.77	1/2	3,290.34	1/2	2,935.91	1/2	2,581.48
3/4		3/4		3/4		3/4	4,696.58	3/4	4,344.23	3/4	3,991.79	3/4	3,637.38	3/4	3,282.95	3/4	2,928.53	3/4	2,574.10
10		10		10		10	4,689.24	10	4,336.89	10	3,984.42	10	3,630.00	10	3,275.57	10	2,921.14	10	2,566.71
1/4		1/4		1/4		1/4	4,681.90	1/4	4,329.55	1/4	3,977.04	1/4	3,622.61	1/4	3,268.19	1/4	2,913.76	1/4	2,559.32
1/2		1/2		1/2		1/2	4,674.55	1/2	4,322.21	1/2	3,969.66	1/2	3,615.23	1/2	3,260.80	1/2	2,906.38	1/2	2,551.93
3/4		3/4		3/4		3/4	4,667.21	3/4	4,314.87	3/4	3,962.27	3/4	3,607.85	3/4	3,253.42	3/4	2,898.99	3/4	2,544.55
11		11		11		11	4,659.87	11	4,307.52	11	3,954.89	11	3,600.46	11	3,246.03	11	2,891.61	11	2,537.16
1/4		1/4		1/4		1/4	4,652.53	1/4	4,300.18	1/4	3,947.51	1/4	3,593.08	1/4	3,238.65	1/4	2,884.22	1/4	2,529.77
1/2		1/2		1/2		1/2	4,645.19	1/2	4,292.84	1/2	3,940.12	1/2	3,585.69	1/2	3,231.27	1/2	2,876.84	1/2	2,522.38
3/4		3/4		3/4		3/4	4,637.85	3/4	4,285.50	3/4	3,932.74	3/4	3,578.31	3/4	3,223.88	3/4	2,869.46	3/4	2,514.99

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 14'-08" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 28088"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30044"

GAUGE HEIGHT 17'-00"

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	2,507.60	0	2,152.97	0	1,798.33	0	1,443.69	0	1,089.05	0	734.80	0	380.17	0	41.35	0		0	
1/4	2,500.22	1/4	2,145.58	1/4	1,790.94	1/4	1,436.30	1/4	1,081.67	1/4	727.42	1/4	372.79	1/4		1/4		1/4	
1/2	2,492.83	1/2	2,138.19	1/2	1,783.55	1/2	1,428.91	1/2	1,074.28	1/2	720.03	1/2	365.40	1/2		1/2		1/2	
3/4	2,485.44	3/4	2,130.80	3/4	1,776.16	3/4	1,421.52	3/4	1,066.90	3/4	712.64	3/4	358.01	3/4		3/4		3/4	
1	2,478.05	1	2,123.41	1	1,768.77	1	1,414.14	1	1,059.51	1	705.25	1	350.62	1		1		1	
1/4	2,470.66	1/4	2,116.02	1/4	1,761.39	1/4	1,406.75	1/4	1,052.13	1/4	697.86	1/4	343.23	1/4		1/4		1/4	
1/2	2,463.27	1/2	2,108.64	1/2	1,754.00	1/2	1,399.36	1/2	1,044.75	1/2	690.47	1/2	335.85	1/2		1/2		1/2	
3/4	2,455.89	3/4	2,101.25	3/4	1,746.61	3/4	1,391.97	3/4	1,037.36	3/4	683.09	3/4	328.46	3/4		3/4		3/4	
2	2,448.50	2	2,093.86	2	1,739.22	2	1,384.58	2	1,029.98	2	675.70	2	321.07	2		2		2	
1/4	2,441.11	1/4	2,086.47	1/4	1,731.83	1/4	1,377.19	1/4	1,022.60	1/4	668.31	1/4	313.68	1/4		1/4		1/4	
1/2	2,433.72	1/2	2,079.08	1/2	1,724.44	1/2	1,369.81	1/2	1,015.22	1/2	660.92	1/2	306.29	1/2		1/2		1/2	
3/4	2,426.33	3/4	2,071.69	3/4	1,717.06	3/4	1,362.42	3/4	1,007.84	3/4	653.53	3/4	298.91	3/4		3/4		3/4	
3	2,418.94	3	2,064.31	3	1,709.67	3	1,355.03	3	1,000.46	3	646.15	3	291.52	3		3		3	
1/4	2,411.56	1/4	2,056.92	1/4	1,702.28	1/4	1,347.64	1/4	993.08	1/4	638.76	1/4	284.13	1/4		1/4		1/4	
1/2	2,404.17	1/2	2,049.53	1/2	1,694.89	1/2	1,340.25	1/2	985.71	1/2	631.37	1/2	276.74	1/2		1/2		1/2	
3/4	2,396.78	3/4	2,042.14	3/4	1,687.50	3/4	1,332.86	3/4	978.33	3/4	623.98	3/4	269.35	3/4		3/4		3/4	
4	2,389.39	4	2,034.75	4	1,680.11	4	1,325.48	4	970.95	4	616.59	4	261.97	4		4		4	
1/4	2,382.00	1/4	2,027.36	1/4	1,672.73	1/4	1,318.09	1/4	963.57	1/4	609.21	1/4	254.58	1/4		1/4		1/4	
1/2	2,374.61	1/2	2,019.98	1/2	1,665.34	1/2	1,310.70	1/2	956.20	1/2	601.82	1/2	247.20	1/2		1/2		1/2	
3/4	2,367.23	3/4	2,012.59	3/4	1,657.95	3/4	1,303.31	3/4	948.82	3/4	594.43	3/4	239.81	3/4		3/4		3/4	
5	2,359.84	5	2,005.20	5	1,650.56	5	1,295.92	5	941.44	5	587.04	5	232.43	5		5		5	
1/4	2,352.45	1/4	1,997.81	1/4	1,643.17	1/4	1,288.53	1/4	934.06	1/4	579.65	1/4	225.05	1/4		1/4		1/4	
1/2	2,345.06	1/2	1,990.42	1/2	1,635.78	1/2	1,281.15	1/2	926.69	1/2	572.27	1/2	217.67	1/2		1/2		1/2	
3/4	2,337.67	3/4	1,983.03	3/4	1,628.40	3/4	1,273.76	3/4	919.31	3/4	564.88	3/4	210.29	3/4		3/4		3/4	
6	2,330.28	6	1,975.65	6	1,621.01	6	1,266.37	6	911.93	6	557.49	6	202.91	6		6		6	
1/4	2,322.90	1/4	1,968.26	1/4	1,613.62	1/4	1,258.98	1/4	904.55	1/4	550.10	1/4	195.55	1/4		1/4		1/4	
1/2	2,315.51	1/2	1,960.87	1/2	1,606.23	1/2	1,251.59	1/2	897.18	1/2	542.71	1/2	188.18	1/2		1/2		1/2	
3/4	2,308.12	3/4	1,953.48	3/4	1,598.84	3/4	1,244.20	3/4	889.80	3/4	535.32	3/4	180.81	3/4		3/4		3/4	
7	2,300.73	7	1,946.09	7	1,591.45	7	1,236.82	7	882.42	7	527.94	7	173.45	7		7		7	
1/4	2,293.34	1/4	1,938.70	1/4	1,584.07	1/4	1,229.43	1/4	875.04	1/4	520.55	1/4	166.10	1/4		1/4		1/4	
1/2	2,285.95	1/2	1,931.32	1/2	1,576.68	1/2	1,222.04	1/2	867.67	1/2	513.16	1/2	158.75	1/2		1/2		1/2	
3/4	2,278.57	3/4	1,923.93	3/4	1,569.29	3/4	1,214.65	3/4	860.29	3/4	505.77	3/4	151.41	3/4		3/4		3/4	
8	2,271.18	8	1,916.54	8	1,561.90	8	1,207.26	8	852.91	8	498.38	8	144.06	8		8		8	
1/4	2,263.79	1/4	1,909.15	1/4	1,554.51	1/4	1,199.87	1/4	845.53	1/4	491.00	1/4	136.75	1/4		1/4		1/4	
1/2	2,256.40	1/2	1,901.76	1/2	1,547.12	1/2	1,192.49	1/2	838.16	1/2	483.61	1/2	129.43	1/2		1/2		1/2	
3/4	2,249.01	3/4	1,894.37	3/4	1,539.74	3/4	1,185.10	3/4	830.78	3/4	476.22	3/4	122.12	3/4		3/4		3/4	
9	2,241.62	9	1,886.99	9	1,532.35	9	1,177.71	9	823.40	9	468.83	9	114.80	9		9		9	
1/4	2,234.24	1/4	1,879.60	1/4	1,524.96	1/4	1,170.32	1/4	816.02	1/4	461.44	1/4	107.78	1/4		1/4		1/4	
1/2	2,226.85	1/2	1,872.21	1/2	1,517.57	1/2	1,162.93	1/2	808.64	1/2	454.06	1/2	100.76	1/2		1/2		1/2	
3/4	2,219.46	3/4	1,864.82	3/4	1,510.18	3/4	1,155.54	3/4	801.27	3/4	446.67	3/4	93.74	3/4		3/4		3/4	
10	2,212.07	10	1,857.43	10	1,502.79	10	1,148.16	10	793.89	10	439.28	10	86.72	10		10		10	
1/4	2,204.68	1/4	1,850.04	1/4	1,495.41	1/4	1,140.77	1/4	786.51	1/4	431.89	1/4	80.53	1/4		1/4		1/4	
1/2	2,197.29	1/2	1,842.66	1/2	1,488.02	1/2	1,133.38	1/2	779.12	1/2	424.50	1/2	74.33	1/2		1/2		1/2	
3/4	2,189.91	3/4	1,835.27	3/4	1,480.63	3/4	1,125.99	3/4	771.74	3/4	417.12	3/4	68.13	3/4		3/4		3/4	
11	2,182.52	11	1,827.88	11	1,473.24	11	1,118.60	11	764.36	11	409.73	11	61.93	11		11		11	
1/4	2,175.13	1/4	1,820.49	1/4	1,465.85	1/4	1,111.21	1/4	756.97	1/4	402.34	1/4	56.79	1/4		1/4		1/4	
1/2	2,167.74	1/2	1,813.10	1/2	1,458.46	1/2	1,103.83	1/2	749.58	1/2	394.95	1/2	51.64	1/2		1/2		1/2	
3/4	2,160.35	3/4	1,805.72	3/4	1,451.08	3/4	1,096.44	3/4	742.19	3/4	387.56	3/4	46.50	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/28/2012 CL - SW  
RECOMP: 03/07/2023 JS  
NAME CHANGE: 03/07/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023

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



# BARGE "KIRBY 28088"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30044"

GAUGE HEIGHT 17'-00"

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		
									4,669.91		4,313.48		3,956.59		3,598.08		3,239.57		2,881.06		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,662.49	1/4	4,306.06	1/4	3,949.12	1/4	3,590.61	1/4	3,232.10	1/4	2,873.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,655.06	1/2	4,298.63	1/2	3,941.66	1/2	3,583.14	1/2	3,224.63	1/2	2,866.12		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,647.63	3/4	4,291.21	3/4	3,934.19	3/4	3,575.67	3/4	3,217.16	3/4	2,858.65		
<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>4,986.59</b>	<b>1</b>	<b>4,640.21</b>	<b>1</b>	<b>4,283.78</b>	<b>1</b>	<b>3,926.72</b>	<b>1</b>	<b>3,568.21</b>	<b>1</b>	<b>3,209.69</b>	<b>1</b>	<b>2,851.18</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,980.70	1/4	4,632.78	1/4	4,276.35	1/4	3,919.25	1/4	3,560.74	1/4	3,202.22	1/4	2,843.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,974.80	1/2	4,625.36	1/2	4,268.93	1/2	3,911.78	1/2	3,553.27	1/2	3,194.76	1/2	2,836.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,968.91	3/4	4,617.93	3/4	4,261.50	3/4	3,904.31	3/4	3,545.80	3/4	3,187.29	3/4	2,828.77
<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>4,963.02</b>	<b>2</b>	<b>4,610.51</b>	<b>2</b>	<b>4,254.08</b>	<b>2</b>	<b>3,896.84</b>	<b>2</b>	<b>3,538.33</b>	<b>2</b>	<b>3,179.82</b>	<b>2</b>	<b>2,821.31</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,956.15	1/4	4,603.08	1/4	4,246.65	1/4	3,889.37	1/4	3,530.86	1/4	3,172.35	1/4	2,813.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,949.29	1/2	4,595.66	1/2	4,239.23	1/2	3,881.90	1/2	3,523.39	1/2	3,164.88	1/2	2,806.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,942.43	3/4	4,588.23	3/4	4,231.80	3/4	3,874.43	3/4	3,515.92	3/4	3,157.41	3/4	2,798.90
<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>4,935.57</b>	<b>3</b>	<b>4,580.80</b>	<b>3</b>	<b>4,224.38</b>	<b>3</b>	<b>3,866.97</b>	<b>3</b>	<b>3,508.45</b>	<b>3</b>	<b>3,149.94</b>	<b>3</b>	<b>2,791.43</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,928.27	1/4	4,573.38	1/4	4,216.95	1/4	3,859.50	1/4	3,500.98	1/4	3,142.47	1/4	2,783.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,920.98	1/2	4,565.95	1/2	4,209.52	1/2	3,852.03	1/2	3,493.52	1/2	3,135.00	1/2	2,776.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,913.69	3/4	4,558.53	3/4	4,202.10	3/4	3,844.56	3/4	3,486.05	3/4	3,127.53	3/4	2,769.02
<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>4,906.40</b>	<b>4</b>	<b>4,551.10</b>	<b>4</b>	<b>4,194.67</b>	<b>4</b>	<b>3,837.09</b>	<b>4</b>	<b>3,478.58</b>	<b>4</b>	<b>3,120.07</b>	<b>4</b>	<b>2,761.55</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,899.05	1/4	4,543.68	1/4	4,187.25	1/4	3,829.62	1/4	3,471.11	1/4	3,112.60	1/4	2,754.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,891.70	1/2	4,536.25	1/2	4,179.82	1/2	3,822.15	1/2	3,463.64	1/2	3,105.13	1/2	2,746.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,884.35	3/4	4,528.82	3/4	4,172.40	3/4	3,814.68	3/4	3,456.17	3/4	3,097.66	3/4	2,739.15
<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>4,876.99</b>	<b>5</b>	<b>4,521.40</b>	<b>5</b>	<b>4,164.97</b>	<b>5</b>	<b>3,807.21</b>	<b>5</b>	<b>3,448.70</b>	<b>5</b>	<b>3,090.19</b>	<b>5</b>	<b>2,731.68</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,869.63	1/4	4,513.97	1/4	4,157.54	1/4	3,799.74	1/4	3,441.23	1/4	3,082.72	1/4	2,724.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,862.27	1/2	4,506.55	1/2	4,150.12	1/2	3,792.28	1/2	3,433.76	1/2	3,075.25	1/2	2,716.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,854.91	3/4	4,499.12	3/4	4,142.69	3/4	3,784.81	3/4	3,426.29	3/4	3,067.78	3/4	2,709.27
<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>4,847.55</b>	<b>6</b>	<b>4,491.70</b>	<b>6</b>	<b>4,135.27</b>	<b>6</b>	<b>3,777.34</b>	<b>6</b>	<b>3,418.83</b>	<b>6</b>	<b>3,060.31</b>	<b>6</b>	<b>2,701.80</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,840.19	1/4	4,484.27	1/4	4,127.84	1/4	3,769.87	1/4	3,411.36	1/4	3,052.84	1/4	2,694.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,832.83	1/2	4,476.85	1/2	4,120.42	1/2	3,762.40	1/2	3,403.89	1/2	3,045.38	1/2	2,686.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,825.47	3/4	4,469.42	3/4	4,112.99	3/4	3,754.93	3/4	3,396.42	3/4	3,037.91	3/4	2,679.39
<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>4,818.10</b>	<b>7</b>	<b>4,461.99</b>	<b>7</b>	<b>4,105.57</b>	<b>7</b>	<b>3,747.46</b>	<b>7</b>	<b>3,388.95</b>	<b>7</b>	<b>3,030.44</b>	<b>7</b>	<b>2,671.93</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,810.74	1/4	4,454.57	1/4	4,098.14	1/4	3,739.99	1/4	3,381.48	1/4	3,022.97	1/4	2,664.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,803.38	1/2	4,447.14	1/2	4,090.71	1/2	3,732.52	1/2	3,374.01	1/2	3,015.50	1/2	2,656.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,796.02	3/4	4,439.72	3/4	4,083.29	3/4	3,725.05	3/4	3,366.54	3/4	3,008.03	3/4	2,649.52
<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>4,788.66</b>	<b>8</b>	<b>4,432.29</b>	<b>8</b>	<b>4,075.86</b>	<b>8</b>	<b>3,717.59</b>	<b>8</b>	<b>3,359.07</b>	<b>8</b>	<b>3,000.56</b>	<b>8</b>	<b>2,642.05</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,781.25	1/4	4,424.87	1/4	4,068.44	1/4	3,710.12	1/4	3,351.60	1/4	2,993.09	1/4	2,634.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,773.85	1/2	4,417.44	1/2	4,061.01	1/2	3,702.65	1/2	3,344.14	1/2	2,985.62	1/2	2,627.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,766.44	3/4	4,410.02	3/4	4,053.59	3/4	3,695.18	3/4	3,336.67	3/4	2,978.15	3/4	2,619.64
<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>4,759.04</b>	<b>9</b>	<b>4,402.59</b>	<b>9</b>	<b>4,046.16</b>	<b>9</b>	<b>3,687.71</b>	<b>9</b>	<b>3,329.20</b>	<b>9</b>	<b>2,970.69</b>	<b>9</b>	<b>2,612.17</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,751.61	1/4	4,395.16	1/4	4,038.71	1/4	3,680.24	1/4	3,321.73	1/4	2,963.22	1/4	2,604.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,744.18	1/2	4,387.74	1/2	4,031.25	1/2	3,672.77	1/2	3,314.26	1/2	2,955.75	1/2	2,597.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,736.75	3/4	4,380.31	3/4	4,023.80	3/4	3,665.30	3/4	3,306.79	3/4	2,948.28	3/4	2,589.77
<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>4,729.32</b>	<b>10</b>	<b>4,372.89</b>	<b>10</b>	<b>4,016.35</b>	<b>10</b>	<b>3,657.83</b>	<b>10</b>	<b>3,299.32</b>	<b>10</b>	<b>2,940.81</b>	<b>10</b>	<b>2,582.30</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,721.89	1/4	4,365.46	1/4	4,008.88	1/4	3,650.36	1/4	3,291.85	1/4	2,933.34	1/4	2,574.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,714.47	1/2	4,358.04	1/2	4,001.41	1/2	3,642.90	1/2	3,284.38	1/2	2,925.87	1/2	2,567.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,707.04	3/4	4,350.61	3/4	3,993.94	3/4	3,635.43	3/4	3,276.91	3/4	2,918.40	3/4	2,559.88
<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>4,699.61</b>	<b>11</b>	<b>4,343.18</b>	<b>11</b>	<b>3,986.47</b>	<b>11</b>	<b>3,627.96</b>	<b>11</b>	<b>3,269.45</b>	<b>11</b>	<b>2,910.93</b>	<b>11</b>	<b>2,552.40</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,692.19	1/4	4,335.76	1/4	3,979.00	1/4	3,620.49	1/4	3,261.98	1/4	2,903.46	1/4	2,544.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,684.76	1/2	4,328.33	1/2	3,971.53	1/2	3,613.02	1/2	3,254.51	1/2	2,896.00	1/2	2,537.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,677.34	3/4	4,320.91	3/4	3,964.06	3/4	3,605.55	3/4	3,247.04	3/4	2,888.53	3/4	2,529.98

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 14'-08" OFF CENTERLINE AND 42'-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 28088"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30044"

GAUGE HEIGHT 17'-00"

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	2,522.51	0	2,163.79	0	1,805.06	0	1,446.34	0	1,089.46	0	743.26	0	384.55	0	41.82	0		0	
1/4	2,515.04	1/4	2,156.31	1/4	1,797.59	1/4	1,438.87	1/4	1,082.27	1/4	735.78	1/4	377.07	1/4		1/4		1/4	
1/2	2,507.56	1/2	2,148.84	1/2	1,790.12	1/2	1,431.39	1/2	1,075.09	1/2	728.31	1/2	369.60	1/2		1/2		1/2	
3/4	2,500.09	3/4	2,141.37	3/4	1,782.64	3/4	1,423.92	3/4	1,067.91	3/4	720.84	3/4	362.13	3/4		3/4		3/4	
1	2,492.61	1	2,133.89	1	1,775.17	1	1,416.45	1	1,060.73	1	713.36	1	354.65	1		1		1	
1/4	2,485.14	1/4	2,126.42	1/4	1,767.70	1/4	1,408.97	1/4	1,053.56	1/4	705.89	1/4	347.18	1/4		1/4		1/4	
1/2	2,477.67	1/2	2,118.94	1/2	1,760.22	1/2	1,401.50	1/2	1,046.38	1/2	698.42	1/2	339.71	1/2		1/2		1/2	
3/4	2,470.19	3/4	2,111.47	3/4	1,752.75	3/4	1,394.03	3/4	1,039.21	3/4	690.94	3/4	332.24	3/4		3/4		3/4	
2	2,462.72	2	2,104.00	2	1,745.27	2	1,386.55	2	1,032.03	2	683.47	2	324.76	2		2		2	
1/4	2,455.25	1/4	2,096.52	1/4	1,737.80	1/4	1,379.08	1/4	1,024.86	1/4	676.00	1/4	317.29	1/4		1/4		1/4	
1/2	2,447.77	1/2	2,089.05	1/2	1,730.33	1/2	1,371.60	1/2	1,017.69	1/2	668.52	1/2	309.82	1/2		1/2		1/2	
3/4	2,440.30	3/4	2,081.58	3/4	1,722.85	3/4	1,364.13	3/4	1,010.52	3/4	661.05	3/4	302.34	3/4		3/4		3/4	
3	2,432.83	3	2,074.10	3	1,715.38	3	1,356.66	3	1,003.34	3	653.58	3	294.87	3		3		3	
1/4	2,425.35	1/4	2,066.63	1/4	1,707.91	1/4	1,349.18	1/4	996.17	1/4	646.11	1/4	287.40	1/4		1/4		1/4	
1/2	2,417.88	1/2	2,059.16	1/2	1,700.43	1/2	1,341.71	1/2	989.00	1/2	638.63	1/2	279.92	1/2		1/2		1/2	
3/4	2,410.41	3/4	2,051.68	3/4	1,692.96	3/4	1,334.24	3/4	981.83	3/4	631.16	3/4	272.45	3/4		3/4		3/4	
4	2,402.93	4	2,044.21	4	1,685.49	4	1,326.76	4	974.66	4	623.69	4	264.98	4		4		4	
1/4	2,395.46	1/4	2,036.74	1/4	1,678.01	1/4	1,319.29	1/4	967.49	1/4	616.21	1/4	257.51	1/4		1/4		1/4	
1/2	2,387.99	1/2	2,029.26	1/2	1,670.54	1/2	1,311.82	1/2	960.33	1/2	608.74	1/2	250.04	1/2		1/2		1/2	
3/4	2,380.51	3/4	2,021.79	3/4	1,663.07	3/4	1,304.34	3/4	953.16	3/4	601.27	3/4	242.57	3/4		3/4		3/4	
5	2,373.04	5	2,014.32	5	1,655.59	5	1,296.87	5	945.99	5	593.79	5	235.10	5		5		5	
1/4	2,365.57	1/4	2,006.84	1/4	1,648.12	1/4	1,289.40	1/4	938.82	1/4	586.32	1/4	227.63	1/4		1/4		1/4	
1/2	2,358.09	1/2	1,999.37	1/2	1,640.65	1/2	1,281.92	1/2	931.65	1/2	578.85	1/2	220.17	1/2		1/2		1/2	
3/4	2,350.62	3/4	1,991.90	3/4	1,633.17	3/4	1,274.45	3/4	924.48	3/4	571.37	3/4	212.71	3/4		3/4		3/4	
6	2,343.15	6	1,984.42	6	1,625.70	6	1,266.98	6	917.31	6	563.90	6	205.24	6		6		6	
1/4	2,335.67	1/4	1,976.95	1/4	1,618.23	1/4	1,259.50	1/4	910.14	1/4	556.43	1/4	197.79	1/4		1/4		1/4	
1/2	2,328.20	1/2	1,969.48	1/2	1,610.75	1/2	1,252.03	1/2	902.97	1/2	548.96	1/2	190.34	1/2		1/2		1/2	
3/4	2,320.73	3/4	1,962.00	3/4	1,603.28	3/4	1,244.56	3/4	895.80	3/4	541.48	3/4	182.89	3/4		3/4		3/4	
7	2,313.25	7	1,954.53	7	1,595.81	7	1,237.08	7	888.63	7	534.01	7	175.44	7		7		7	
1/4	2,305.78	1/4	1,947.06	1/4	1,588.33	1/4	1,229.61	1/4	881.46	1/4	526.54	1/4	168.01	1/4		1/4		1/4	
1/2	2,298.31	1/2	1,939.58	1/2	1,580.86	1/2	1,222.14	1/2	874.29	1/2	519.06	1/2	160.58	1/2		1/2		1/2	
3/4	2,290.83	3/4	1,932.11	3/4	1,573.39	3/4	1,214.66	3/4	867.12	3/4	511.59	3/4	153.15	3/4		3/4		3/4	
8	2,283.36	8	1,924.64	8	1,565.91	8	1,207.19	8	859.95	8	504.12	8	145.71	8		8		8	
1/4	2,275.89	1/4	1,917.16	1/4	1,558.44	1/4	1,199.72	1/4	852.78	1/4	496.64	1/4	138.32	1/4		1/4		1/4	
1/2	2,268.41	1/2	1,909.69	1/2	1,550.97	1/2	1,192.24	1/2	845.61	1/2	489.17	1/2	130.92	1/2		1/2		1/2	
3/4	2,260.94	3/4	1,902.22	3/4	1,543.49	3/4	1,184.77	3/4	838.44	3/4	481.70	3/4	123.52	3/4		3/4		3/4	
9	2,253.47	9	1,894.74	9	1,536.02	9	1,177.30	9	831.27	9	474.22	9	116.12	9		9		9	
1/4	2,245.99	1/4	1,887.27	1/4	1,528.55	1/4	1,169.82	1/4	824.10	1/4	466.75	1/4	109.02	1/4		1/4		1/4	
1/2	2,238.52	1/2	1,879.80	1/2	1,521.07	1/2	1,162.35	1/2	816.93	1/2	459.28	1/2	101.92	1/2		1/2		1/2	
3/4	2,231.05	3/4	1,872.32	3/4	1,513.60	3/4	1,154.88	3/4	809.76	3/4	451.80	3/4	94.82	3/4		3/4		3/4	
10	2,223.57	10	1,864.85	10	1,506.13	10	1,147.40	10	802.59	10	444.33	10	87.72	10		10		10	
1/4	2,216.10	1/4	1,857.38	1/4	1,498.65	1/4	1,140.11	1/4	795.23	1/4	436.86	1/4	81.45	1/4		1/4		1/4	
1/2	2,208.63	1/2	1,849.90	1/2	1,491.18	1/2	1,132.81	1/2	787.87	1/2	429.39	1/2	75.18	1/2		1/2		1/2	
3/4	2,201.15	3/4	1,842.43	3/4	1,483.71	3/4	1,125.51	3/4	780.51	3/4	421.91	3/4	68.91	3/4		3/4		3/4	
11	2,193.68	11	1,834.96	11	1,476.23	11	1,118.22	11	773.15	11	414.44	11	62.64	11		11		11	
1/4	2,186.21	1/4	1,827.48	1/4	1,468.76	1/4	1,111.03	1/4	765.67	1/4	406.97	1/4	57.44	1/4		1/4		1/4	
1/2	2,178.73	1/2	1,820.01	1/2	1,461.29	1/2	1,103.84	1/2	758.20	1/2	399.49	1/2	52.23	1/2		1/2		1/2	
3/4	2,171.26	3/4	1,812.54	3/4	1,453.81	3/4	1,096.65	3/4	750.73	3/4	392.02	3/4	47.03	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/28/2012 CL - SW  
RECOMP: 03/07/2023 JS  
NAME CHANGE: 03/07/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023

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





# BARGE "KIRBY 28088"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30044"

GAUGE HEIGHT 17'-00"

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		
									4,681.04		4,324.83		3,968.17		3,609.87		3,251.57		2,893.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,673.62	1/4	4,317.41	1/4	3,960.70	1/4	3,602.41	1/4	3,244.11	1/4	2,885.81		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,666.20	1/2	4,309.99	1/2	3,953.24	1/2	3,594.94	1/2	3,236.65	1/2	2,878.35		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,658.78	3/4	4,302.57	3/4	3,945.77	3/4	3,587.48	3/4	3,229.18	3/4	2,870.89		
<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>4,998.35</b>	<b>1</b>	<b>4,651.36</b>	<b>1</b>	<b>4,295.15</b>	<b>1</b>	<b>3,938.31</b>	<b>1</b>	<b>3,580.01</b>	<b>1</b>	<b>3,221.72</b>	<b>1</b>	<b>2,863.42</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,992.46	1/4	4,643.93	1/4	4,287.73	1/4	3,930.84	1/4	3,572.55	1/4	3,214.25	1/4	2,855.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,986.57	1/2	4,636.51	1/2	4,280.31	1/2	3,923.38	1/2	3,565.08	1/2	3,206.79	1/2	2,848.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,980.68	3/4	4,629.09	3/4	4,272.88	3/4	3,915.92	3/4	3,557.62	3/4	3,199.32	3/4	2,841.03
<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>4,974.79</b>	<b>2</b>	<b>4,621.67</b>	<b>2</b>	<b>4,265.46</b>	<b>2</b>	<b>3,908.45</b>	<b>2</b>	<b>3,550.15</b>	<b>2</b>	<b>3,191.86</b>	<b>2</b>	<b>2,833.56</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,967.93	1/4	4,614.25	1/4	4,258.04	1/4	3,900.99	1/4	3,542.69	1/4	3,184.39	1/4	2,826.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,961.07	1/2	4,606.83	1/2	4,250.62	1/2	3,893.52	1/2	3,535.23	1/2	3,176.93	1/2	2,818.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,954.21	3/4	4,599.41	3/4	4,243.20	3/4	3,886.06	3/4	3,527.76	3/4	3,169.47	3/4	2,811.17
<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>4,947.36</b>	<b>3</b>	<b>4,591.99</b>	<b>3</b>	<b>4,235.78</b>	<b>3</b>	<b>3,878.59</b>	<b>3</b>	<b>3,520.30</b>	<b>3</b>	<b>3,162.00</b>	<b>3</b>	<b>2,803.70</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,940.07	1/4	4,584.57	1/4	4,228.36	1/4	3,871.13	1/4	3,512.83	1/4	3,154.54	1/4	2,796.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,932.78	1/2	4,577.15	1/2	4,220.94	1/2	3,863.66	1/2	3,505.37	1/2	3,147.07	1/2	2,788.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,925.50	3/4	4,569.72	3/4	4,213.52	3/4	3,856.20	3/4	3,497.90	3/4	3,139.61	3/4	2,781.31
<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>4,918.21</b>	<b>4</b>	<b>4,562.30</b>	<b>4</b>	<b>4,206.10</b>	<b>4</b>	<b>3,848.73</b>	<b>4</b>	<b>3,490.44</b>	<b>4</b>	<b>3,132.14</b>	<b>4</b>	<b>2,773.85</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,910.86	1/4	4,554.88	1/4	4,198.67	1/4	3,841.27	1/4	3,482.97	1/4	3,124.68	1/4	2,766.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,903.52	1/2	4,547.46	1/2	4,191.25	1/2	3,833.81	1/2	3,475.51	1/2	3,117.21	1/2	2,758.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,896.17	3/4	4,540.04	3/4	4,183.83	3/4	3,826.34	3/4	3,468.05	3/4	3,109.75	3/4	2,751.45
<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>4,888.82</b>	<b>5</b>	<b>4,532.62</b>	<b>5</b>	<b>4,176.41</b>	<b>5</b>	<b>3,818.88</b>	<b>5</b>	<b>3,460.58</b>	<b>5</b>	<b>3,102.28</b>	<b>5</b>	<b>2,743.99</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,881.42	1/4	4,525.20	1/4	4,168.99	1/4	3,811.41	1/4	3,453.12	1/4	3,094.82	1/4	2,736.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,874.02	1/2	4,517.78	1/2	4,161.57	1/2	3,803.95	1/2	3,445.65	1/2	3,087.36	1/2	2,729.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,866.62	3/4	4,510.36	3/4	4,154.15	3/4	3,796.48	3/4	3,438.19	3/4	3,079.89	3/4	2,721.60
<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>4,859.23</b>	<b>6</b>	<b>4,502.94</b>	<b>6</b>	<b>4,146.73</b>	<b>6</b>	<b>3,789.02</b>	<b>6</b>	<b>3,430.72</b>	<b>6</b>	<b>3,072.43</b>	<b>6</b>	<b>2,714.13</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,851.80	1/4	4,495.51	1/4	4,139.31	1/4	3,781.55	1/4	3,423.26	1/4	3,064.96	1/4	2,706.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,844.37	1/2	4,488.09	1/2	4,131.89	1/2	3,774.09	1/2	3,415.79	1/2	3,057.50	1/2	2,699.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,836.95	3/4	4,480.67	3/4	4,124.46	3/4	3,766.63	3/4	3,408.33	3/4	3,050.03	3/4	2,691.74
<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>4,829.52</b>	<b>7</b>	<b>4,473.25</b>	<b>7</b>	<b>4,117.04</b>	<b>7</b>	<b>3,759.16</b>	<b>7</b>	<b>3,400.86</b>	<b>7</b>	<b>3,042.57</b>	<b>7</b>	<b>2,684.27</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,822.10	1/4	4,465.83	1/4	4,109.62	1/4	3,751.70	1/4	3,393.40	1/4	3,035.10	1/4	2,676.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,814.67	1/2	4,458.41	1/2	4,102.20	1/2	3,744.23	1/2	3,385.94	1/2	3,027.64	1/2	2,669.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,807.25	3/4	4,450.99	3/4	4,094.78	3/4	3,736.77	3/4	3,378.47	3/4	3,020.18	3/4	2,661.88
<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>4,799.82</b>	<b>8</b>	<b>4,443.57</b>	<b>8</b>	<b>4,087.36</b>	<b>8</b>	<b>3,729.30</b>	<b>8</b>	<b>3,371.01</b>	<b>8</b>	<b>3,012.71</b>	<b>8</b>	<b>2,654.41</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,792.40	1/4	4,436.15	1/4	4,079.94	1/4	3,721.84	1/4	3,363.54	1/4	3,005.25	1/4	2,646.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,784.97	1/2	4,428.73	1/2	4,072.52	1/2	3,714.37	1/2	3,356.08	1/2	2,997.78	1/2	2,639.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,777.55	3/4	4,421.30	3/4	4,065.10	3/4	3,706.91	3/4	3,348.61	3/4	2,990.32	3/4	2,632.02
<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>4,770.12</b>	<b>9</b>	<b>4,413.88</b>	<b>9</b>	<b>4,057.68</b>	<b>9</b>	<b>3,699.44</b>	<b>9</b>	<b>3,341.15</b>	<b>9</b>	<b>2,982.85</b>	<b>9</b>	<b>2,624.56</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,762.69	1/4	4,406.46	1/4	4,050.23	1/4	3,691.98	1/4	3,333.68	1/4	2,975.39	1/4	2,617.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,755.27	1/2	4,399.04	1/2	4,042.78	1/2	3,684.52	1/2	3,326.22	1/2	2,967.92	1/2	2,609.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,747.84	3/4	4,391.62	3/4	4,035.33	3/4	3,677.05	3/4	3,318.76	3/4	2,960.46	3/4	2,602.15
<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>4,740.42</b>	<b>10</b>	<b>4,384.20</b>	<b>10</b>	<b>4,027.88</b>	<b>10</b>	<b>3,669.59</b>	<b>10</b>	<b>3,311.29</b>	<b>10</b>	<b>2,952.99</b>	<b>10</b>	<b>2,594.68</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,732.99	1/4	4,376.78	1/4	4,020.42	1/4	3,662.12	1/4	3,303.83	1/4	2,945.53	1/4	2,587.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,725.57	1/2	4,369.36	1/2	4,012.95	1/2	3,654.66	1/2	3,296.36	1/2	2,938.07	1/2	2,579.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,718.15	3/4	4,361.94	3/4	4,005.49	3/4	3,647.19	3/4	3,288.90	3/4	2,930.60	3/4	2,572.28
<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>4,710.72</b>	<b>11</b>	<b>4,354.52</b>	<b>11</b>	<b>3,998.02</b>	<b>11</b>	<b>3,639.73</b>	<b>11</b>	<b>3,281.43</b>	<b>11</b>	<b>2,923.14</b>	<b>11</b>	<b>2,564.81</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,703.30	1/4	4,347.09	1/4	3,990.56	1/4	3,632.26	1/4	3,273.97	1/4	2,915.67	1/4	2,557.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,695.88	1/2	4,339.67	1/2	3,983.10	1/2	3,624.80	1/2	3,266.50	1/2	2,908.21	1/2	2,549.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,688.46	3/4	4,332.25	3/4	3,975.63	3/4	3,617.34	3/4	3,259.04	3/4	2,900.74	3/4	2,542.40

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 14'-08" OFF CENTERLINE AND 42'-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 28088"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30044"

GAUGE HEIGHT 17'-00"

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	2,534.93	0	2,176.43	0	1,817.93	0	1,459.42	0	1,100.92	0	742.81	0	384.31	0	41.80	0		0	
1/4	2,527.46	1/4	2,168.96	1/4	1,810.46	1/4	1,451.96	1/4	1,093.46	1/4	735.34	1/4	376.85	1/4		1/4		1/4	
1/2	2,519.99	1/2	2,161.49	1/2	1,802.99	1/2	1,444.49	1/2	1,085.99	1/2	727.87	1/2	369.38	1/2		1/2		1/2	
3/4	2,512.53	3/4	2,154.02	3/4	1,795.52	3/4	1,437.02	3/4	1,078.53	3/4	720.40	3/4	361.91	3/4		3/4		3/4	
1	2,505.06	1	2,146.55	1	1,788.05	1	1,429.55	1	1,071.06	1	712.93	1	354.44	1		1		1	
1/4	2,497.59	1/4	2,139.09	1/4	1,780.58	1/4	1,422.08	1/4	1,063.60	1/4	705.46	1/4	346.97	1/4		1/4		1/4	
1/2	2,490.12	1/2	2,131.62	1/2	1,773.11	1/2	1,414.61	1/2	1,056.13	1/2	698.00	1/2	339.50	1/2		1/2		1/2	
3/4	2,482.65	3/4	2,124.15	3/4	1,765.65	3/4	1,407.14	3/4	1,048.67	3/4	690.53	3/4	332.03	3/4		3/4		3/4	
2	2,475.18	2	2,116.68	2	1,758.18	2	1,399.67	2	1,041.21	2	683.06	2	324.57	2		2		2	
1/4	2,467.71	1/4	2,109.21	1/4	1,750.71	1/4	1,392.21	1/4	1,033.75	1/4	675.59	1/4	317.10	1/4		1/4		1/4	
1/2	2,460.24	1/2	2,101.74	1/2	1,743.24	1/2	1,384.74	1/2	1,026.29	1/2	668.12	1/2	309.63	1/2		1/2		1/2	
3/4	2,452.78	3/4	2,094.27	3/4	1,735.77	3/4	1,377.27	3/4	1,018.83	3/4	660.65	3/4	302.16	3/4		3/4		3/4	
3	2,445.31	3	2,086.80	3	1,728.30	3	1,369.80	3	1,011.37	3	653.18	3	294.69	3		3		3	
1/4	2,437.84	1/4	2,079.34	1/4	1,720.83	1/4	1,362.33	1/4	1,003.91	1/4	645.72	1/4	287.22	1/4		1/4		1/4	
1/2	2,430.37	1/2	2,071.87	1/2	1,713.36	1/2	1,354.86	1/2	996.45	1/2	638.25	1/2	279.75	1/2		1/2		1/2	
3/4	2,422.90	3/4	2,064.40	3/4	1,705.90	3/4	1,347.39	3/4	989.00	3/4	630.78	3/4	272.29	3/4		3/4		3/4	
4	2,415.43	4	2,056.93	4	1,698.43	4	1,339.92	4	981.54	4	623.31	4	264.82	4		4		4	
1/4	2,407.96	1/4	2,049.46	1/4	1,690.96	1/4	1,332.46	1/4	974.08	1/4	615.84	1/4	257.35	1/4		1/4		1/4	
1/2	2,400.49	1/2	2,041.99	1/2	1,683.49	1/2	1,324.99	1/2	966.62	1/2	608.37	1/2	249.89	1/2		1/2		1/2	
3/4	2,393.02	3/4	2,034.52	3/4	1,676.02	3/4	1,317.52	3/4	959.16	3/4	600.90	3/4	242.42	3/4		3/4		3/4	
5	2,385.56	5	2,027.05	5	1,668.55	5	1,310.05	5	951.70	5	593.43	5	234.95	5		5		5	
1/4	2,378.09	1/4	2,019.58	1/4	1,661.08	1/4	1,302.58	1/4	944.25	1/4	585.97	1/4	227.50	1/4		1/4		1/4	
1/2	2,370.62	1/2	2,012.12	1/2	1,653.61	1/2	1,295.11	1/2	936.79	1/2	578.50	1/2	220.04	1/2		1/2		1/2	
3/4	2,363.15	3/4	2,004.65	3/4	1,646.14	3/4	1,287.64	3/4	929.33	3/4	571.03	3/4	212.58	3/4		3/4		3/4	
6	2,355.68	6	1,997.18	6	1,638.68	6	1,280.17	6	921.87	6	563.56	6	205.12	6		6		6	
1/4	2,348.21	1/4	1,989.71	1/4	1,631.21	1/4	1,272.70	1/4	914.41	1/4	556.09	1/4	197.67	1/4		1/4		1/4	
1/2	2,340.74	1/2	1,982.24	1/2	1,623.74	1/2	1,265.24	1/2	906.95	1/2	548.62	1/2	190.23	1/2		1/2		1/2	
3/4	2,333.27	3/4	1,974.77	3/4	1,616.27	3/4	1,257.77	3/4	899.50	3/4	541.15	3/4	182.78	3/4		3/4		3/4	
7	2,325.81	7	1,967.30	7	1,608.80	7	1,250.30	7	892.04	7	533.69	7	175.33	7		7		7	
1/4	2,318.34	1/4	1,959.83	1/4	1,601.33	1/4	1,242.83	1/4	884.58	1/4	526.22	1/4	167.91	1/4		1/4		1/4	
1/2	2,310.87	1/2	1,952.37	1/2	1,593.86	1/2	1,235.36	1/2	877.12	1/2	518.75	1/2	160.48	1/2		1/2		1/2	
3/4	2,303.40	3/4	1,944.90	3/4	1,586.39	3/4	1,227.89	3/4	869.66	3/4	511.28	3/4	153.05	3/4		3/4		3/4	
8	2,295.93	8	1,937.43	8	1,578.93	8	1,220.42	8	862.21	8	503.81	8	145.63	8		8		8	
1/4	2,288.46	1/4	1,929.96	1/4	1,571.46	1/4	1,212.95	1/4	854.75	1/4	496.34	1/4	138.23	1/4		1/4		1/4	
1/2	2,280.99	1/2	1,922.49	1/2	1,563.99	1/2	1,205.49	1/2	847.29	1/2	488.87	1/2	130.84	1/2		1/2		1/2	
3/4	2,273.52	3/4	1,915.02	3/4	1,556.52	3/4	1,198.02	3/4	839.83	3/4	481.41	3/4	123.44	3/4		3/4		3/4	
9	2,266.06	9	1,907.55	9	1,549.05	9	1,190.55	9	832.37	9	473.94	9	116.05	9		9		9	
1/4	2,258.59	1/4	1,900.08	1/4	1,541.58	1/4	1,183.08	1/4	824.91	1/4	466.47	1/4	108.95	1/4		1/4		1/4	
1/2	2,251.12	1/2	1,892.62	1/2	1,534.11	1/2	1,175.61	1/2	817.46	1/2	459.00	1/2	101.86	1/2		1/2		1/2	
3/4	2,243.65	3/4	1,885.15	3/4	1,526.64	3/4	1,168.14	3/4	810.00	3/4	451.53	3/4	94.76	3/4		3/4		3/4	
10	2,236.18	10	1,877.68	10	1,519.18	10	1,160.67	10	802.54	10	444.06	10	87.66	10		10		10	
1/4	2,228.71	1/4	1,870.21	1/4	1,511.71	1/4	1,153.20	1/4	795.08	1/4	436.59	1/4	81.40	1/4		1/4		1/4	
1/2	2,221.24	1/2	1,862.74	1/2	1,504.24	1/2	1,145.74	1/2	787.61	1/2	429.13	1/2	75.13	1/2		1/2		1/2	
3/4	2,213.77	3/4	1,855.27	3/4	1,496.77	3/4	1,138.27	3/4	780.15	3/4	421.66	3/4	68.87	3/4		3/4		3/4	
11	2,206.30	11	1,847.80	11	1,489.30	11	1,130.80	11	772.68	11	414.19	11	62.60	11		11		11	
1/4	2,198.84	1/4	1,840.33	1/4	1,481.83	1/4	1,123.33	1/4	765.21	1/4	406.72	1/4	57.40	1/4		1/4		1/4	
1/2	2,191.37	1/2	1,832.86	1/2	1,474.36	1/2	1,115.86	1/2	757.74	1/2	399.25	1/2	52.20	1/2		1/2		1/2	
3/4	2,183.90	3/4	1,825.40	3/4	1,466.89	3/4	1,108.39	3/4	750.28	3/4	391.78	3/4	47.00	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/28/2012 CL - SW  
RECOMP: 03/07/2023 JS  
NAME CHANGE: 03/07/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023

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



# BARGE "KIRBY 28088"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30044"

GAUGE HEIGHT 17'-00 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		
									4,203.84		3,986.14		3,768.21		3,549.29		3,254.76		2,896.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,199.31	1/4	3,981.60	1/4	3,763.65	1/4	3,544.72	1/4	3,247.32	1/4	2,889.38		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,194.77	1/2	3,977.06	1/2	3,759.09	1/2	3,540.16	1/2	3,239.89	1/2	2,881.91		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,190.24	3/4	3,972.53	3/4	3,754.53	3/4	3,535.60	3/4	3,232.45	3/4	2,874.45		
<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>4,185.70</b>	<b>1</b>	<b>3,967.99</b>	<b>1</b>	<b>3,749.97</b>	<b>1</b>	<b>3,531.04</b>	<b>1</b>	<b>3,225.01</b>	<b>1</b>	<b>2,866.99</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,181.17	1/4	3,963.46	1/4	3,745.41	1/4	3,526.48	1/4	3,217.58	1/4	2,859.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,388.20	1/2	4,176.63	1/2	3,958.92	1/2	3,740.85	1/2	3,521.92	1/2	3,210.14	1/2	2,852.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,384.60	3/4	4,172.10	3/4	3,954.39	3/4	3,736.29	3/4	3,517.25	3/4	3,202.70	3/4	2,844.60
<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>4,381.00</b>	<b>2</b>	<b>4,167.56</b>	<b>2</b>	<b>3,949.85</b>	<b>2</b>	<b>3,731.73</b>	<b>2</b>	<b>3,512.58</b>	<b>2</b>	<b>3,195.27</b>	<b>2</b>	<b>2,837.14</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,377.40	1/4	4,163.02	1/4	3,945.32	1/4	3,727.16	1/4	3,507.91	1/4	3,187.83	1/4	2,829.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,373.80	1/2	4,158.49	1/2	3,940.78	1/2	3,722.60	1/2	3,503.24	1/2	3,180.39	1/2	2,822.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,369.61	3/4	4,153.95	3/4	3,936.24	3/4	3,718.04	3/4	3,498.25	3/4	3,172.94	3/4	2,814.75
<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>4,365.41</b>	<b>3</b>	<b>4,149.42</b>	<b>3</b>	<b>3,931.71</b>	<b>3</b>	<b>3,713.48</b>	<b>3</b>	<b>3,493.25</b>	<b>3</b>	<b>3,165.49</b>	<b>3</b>	<b>2,807.28</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,361.22	1/4	4,144.88	1/4	3,927.17	1/4	3,708.92	1/4	3,488.26	1/4	3,158.04	1/4	2,799.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,357.03	1/2	4,140.35	1/2	3,922.64	1/2	3,704.36	1/2	3,483.26	1/2	3,150.59	1/2	2,792.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,352.58	3/4	4,135.81	3/4	3,918.10	3/4	3,699.80	3/4	3,477.85	3/4	3,143.12	3/4	2,784.89
<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>4,348.12</b>	<b>4</b>	<b>4,131.27</b>	<b>4</b>	<b>3,913.57</b>	<b>4</b>	<b>3,695.24</b>	<b>4</b>	<b>3,472.44</b>	<b>4</b>	<b>3,135.66</b>	<b>4</b>	<b>2,777.43</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,343.67	1/4	4,126.74	1/4	3,909.03	1/4	3,690.68	1/4	3,467.02	1/4	3,128.20	1/4	2,769.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,339.22	1/2	4,122.20	1/2	3,904.49	1/2	3,686.12	1/2	3,461.61	1/2	3,120.73	1/2	2,762.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,334.73	3/4	4,117.67	3/4	3,899.96	3/4	3,681.55	3/4	3,455.79	3/4	3,113.27	3/4	2,755.04
<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>4,330.24</b>	<b>5</b>	<b>4,113.13</b>	<b>5</b>	<b>3,895.42</b>	<b>5</b>	<b>3,676.99</b>	<b>5</b>	<b>3,449.96</b>	<b>5</b>	<b>3,105.81</b>	<b>5</b>	<b>2,747.58</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,325.75	1/4	4,108.60	1/4	3,890.89	1/4	3,672.43	1/4	3,444.14	1/4	3,098.34	1/4	2,740.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,321.26	1/2	4,104.06	1/2	3,886.35	1/2	3,667.87	1/2	3,438.31	1/2	3,090.88	1/2	2,732.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,316.76	3/4	4,099.53	3/4	3,881.82	3/4	3,663.31	3/4	3,432.08	3/4	3,083.42	3/4	2,725.19
<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>4,312.27</b>	<b>6</b>	<b>4,094.99</b>	<b>6</b>	<b>3,877.28</b>	<b>6</b>	<b>3,658.75</b>	<b>6</b>	<b>3,425.84</b>	<b>6</b>	<b>3,075.95</b>	<b>6</b>	<b>2,717.73</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,307.77	1/4	4,090.45	1/4	3,872.75	1/4	3,654.19	1/4	3,419.61	1/4	3,068.49	1/4	2,710.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,303.28	1/2	4,085.92	1/2	3,868.21	1/2	3,649.63	1/2	3,413.37	1/2	3,061.03	1/2	2,702.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,298.78	3/4	4,081.38	3/4	3,863.67	3/4	3,645.07	3/4	3,406.72	3/4	3,053.57	3/4	2,695.34
<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>4,294.28</b>	<b>7</b>	<b>4,076.85</b>	<b>7</b>	<b>3,859.14</b>	<b>7</b>	<b>3,640.51</b>	<b>7</b>	<b>3,400.07</b>	<b>7</b>	<b>3,046.10</b>	<b>7</b>	<b>2,687.87</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,289.79	1/4	4,072.31	1/4	3,854.60	1/4	3,635.94	1/4	3,393.41	1/4	3,038.64	1/4	2,680.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,285.29	1/2	4,067.78	1/2	3,850.07	1/2	3,631.38	1/2	3,386.76	1/2	3,031.18	1/2	2,672.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,280.79	3/4	4,063.24	3/4	3,845.53	3/4	3,626.82	3/4	3,379.69	3/4	3,023.71	3/4	2,665.48
<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>4,276.30</b>	<b>8</b>	<b>4,058.71</b>	<b>8</b>	<b>3,841.00</b>	<b>8</b>	<b>3,622.26</b>	<b>8</b>	<b>3,372.62</b>	<b>8</b>	<b>3,016.25</b>	<b>8</b>	<b>2,658.02</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,271.80	1/4	4,054.17	1/4	3,836.46	1/4	3,617.70	1/4	3,365.55	1/4	3,008.79	1/4	2,650.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,267.30	1/2	4,049.63	1/2	3,831.93	1/2	3,613.14	1/2	3,358.48	1/2	3,001.32	1/2	2,643.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,262.78	3/4	4,045.10	3/4	3,827.39	3/4	3,608.58	3/4	3,351.13	3/4	2,993.86	3/4	2,635.63
<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>4,258.26</b>	<b>9</b>	<b>4,040.56</b>	<b>9</b>	<b>3,822.85</b>	<b>9</b>	<b>3,604.02</b>	<b>9</b>	<b>3,343.78</b>	<b>9</b>	<b>2,986.40</b>	<b>9</b>	<b>2,628.16</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,253.74	1/4	4,036.03	1/4	3,818.32	1/4	3,599.46	1/4	3,336.43	1/4	2,978.93	1/4	2,620.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,249.21	1/2	4,031.49	1/2	3,813.78	1/2	3,594.90	1/2	3,329.08	1/2	2,971.47	1/2	2,613.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,244.68	3/4	4,026.96	3/4	3,809.23	3/4	3,590.33	3/4	3,321.65	3/4	2,964.01	3/4	2,605.75
<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>4,240.14</b>	<b>10</b>	<b>4,022.42</b>	<b>10</b>	<b>3,804.68</b>	<b>10</b>	<b>3,585.77</b>	<b>10</b>	<b>3,314.22</b>	<b>10</b>	<b>2,956.54</b>	<b>10</b>	<b>2,598.27</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,235.60	1/4	4,017.88	1/4	3,800.13	1/4	3,581.21	1/4	3,306.80	1/4	2,949.08	1/4	2,590.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,231.06	1/2	4,013.35	1/2	3,795.58	1/2	3,576.65	1/2	3,299.37	1/2	2,941.62	1/2	2,583.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,226.53	3/4	4,008.81	3/4	3,791.02	3/4	3,572.09	3/4	3,291.93	3/4	2,934.16	3/4	2,575.85
<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>4,221.99</b>	<b>11</b>	<b>4,004.28</b>	<b>11</b>	<b>3,786.46</b>	<b>11</b>	<b>3,567.53</b>	<b>11</b>	<b>3,284.50</b>	<b>11</b>	<b>2,926.69</b>	<b>11</b>	<b>2,568.38</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,217.45	1/4	3,999.74	1/4	3,781.90	1/4	3,562.97	1/4	3,277.06	1/4	2,919.23	1/4	2,560.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,212.92	1/2	3,995.21	1/2	3,777.34	1/2	3,558.41	1/2	3,269.63	1/2	2,911.77	1/2	2,553.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,208.38	3/4	3,990.67	3/4	3,772.77	3/4	3,553.85	3/4	3,262.19	3/4	2,904.30	3/4	2,545.95

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 14'-08" OFF CENTERLINE AND 49'-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 28088"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30044"

GAUGE HEIGHT 17'-00 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	2,538.48	0	2,180.04	0	1,821.80	0	1,463.20	0	1,105.53	0	758.91	0	400.20	0	52.25	0		0	
1/4	2,531.00	1/4	2,172.59	1/4	1,814.33	1/4	1,455.73	1/4	1,098.27	1/4	751.50	1/4	392.71	1/4	47.04	1/4		1/4	
1/2	2,523.53	1/2	2,165.13	1/2	1,806.86	1/2	1,448.26	1/2	1,091.01	1/2	744.09	1/2	385.22	1/2	41.84	1/2		1/2	
3/4	2,516.05	3/4	2,157.67	3/4	1,799.39	3/4	1,440.79	3/4	1,083.75	3/4	736.63	3/4	377.74	3/4		3/4		3/4	
1	2,508.58	1	2,150.21	1	1,791.92	1	1,433.32	1	1,076.50	1	729.18	1	370.25	1		1		1	
1/4	2,501.10	1/4	2,142.76	1/4	1,784.45	1/4	1,425.85	1/4	1,069.24	1/4	721.73	1/4	362.76	1/4		1/4		1/4	
1/2	2,493.63	1/2	2,135.30	1/2	1,776.98	1/2	1,418.38	1/2	1,061.98	1/2	714.28	1/2	355.27	1/2		1/2		1/2	
3/4	2,486.15	3/4	2,127.84	3/4	1,769.51	3/4	1,410.91	3/4	1,054.73	3/4	706.80	3/4	347.78	3/4		3/4		3/4	
2	2,478.68	2	2,120.38	2	1,762.04	2	1,403.44	2	1,047.48	2	699.32	2	340.29	2		2		2	
1/4	2,471.21	1/4	2,112.92	1/4	1,754.57	1/4	1,395.97	1/4	1,040.23	1/4	691.85	1/4	332.81	1/4		1/4		1/4	
1/2	2,463.73	1/2	2,105.47	1/2	1,747.09	1/2	1,388.50	1/2	1,032.98	1/2	684.37	1/2	325.32	1/2		1/2		1/2	
3/4	2,456.26	3/4	2,098.01	3/4	1,739.62	3/4	1,381.03	3/4	1,025.77	3/4	676.89	3/4	317.83	3/4		3/4		3/4	
3	2,448.78	3	2,090.55	3	1,732.15	3	1,373.55	3	1,018.57	3	669.42	3	310.34	3		3		3	
1/4	2,441.31	1/4	2,083.09	1/4	1,724.68	1/4	1,366.08	1/4	1,011.36	1/4	661.94	1/4	302.85	1/4		1/4		1/4	
1/2	2,433.83	1/2	2,075.64	1/2	1,717.21	1/2	1,358.61	1/2	1,004.15	1/2	654.46	1/2	295.36	1/2		1/2		1/2	
3/4	2,426.36	3/4	2,068.18	3/4	1,709.74	3/4	1,351.14	3/4	996.97	3/4	646.99	3/4	287.88	3/4		3/4		3/4	
4	2,418.88	4	2,060.72	4	1,702.27	4	1,343.67	4	989.78	4	639.51	4	280.39	4		4		4	
1/4	2,411.41	1/4	2,053.26	1/4	1,694.80	1/4	1,336.20	1/4	982.60	1/4	632.03	1/4	272.90	1/4		1/4		1/4	
1/2	2,403.93	1/2	2,045.81	1/2	1,687.33	1/2	1,328.73	1/2	975.42	1/2	624.56	1/2	265.41	1/2		1/2		1/2	
3/4	2,396.46	3/4	2,038.35	3/4	1,679.86	3/4	1,321.26	3/4	968.24	3/4	617.08	3/4	257.93	3/4		3/4		3/4	
5	2,388.99	5	2,030.89	5	1,672.39	5	1,313.79	5	961.05	5	609.60	5	250.44	5		5		5	
1/4	2,381.51	1/4	2,023.43	1/4	1,664.92	1/4	1,306.32	1/4	953.87	1/4	602.12	1/4	242.95	1/4		1/4		1/4	
1/2	2,374.04	1/2	2,015.97	1/2	1,657.45	1/2	1,298.85	1/2	946.69	1/2	594.65	1/2	235.47	1/2		1/2		1/2	
3/4	2,366.56	3/4	2,008.52	3/4	1,649.97	3/4	1,291.38	3/4	939.51	3/4	587.17	3/4	227.99	3/4		3/4		3/4	
6	2,359.09	6	2,001.06	6	1,642.50	6	1,283.91	6	932.32	6	579.69	6	220.51	6		6		6	
1/4	2,351.61	1/4	1,993.60	1/4	1,635.03	1/4	1,276.43	1/4	925.14	1/4	572.22	1/4	213.03	1/4		1/4		1/4	
1/2	2,344.14	1/2	1,986.14	1/2	1,627.56	1/2	1,268.96	1/2	917.96	1/2	564.74	1/2	205.55	1/2		1/2		1/2	
3/4	2,336.67	3/4	1,978.68	3/4	1,620.09	3/4	1,261.49	3/4	910.78	3/4	557.26	3/4	198.09	3/4		3/4		3/4	
7	2,329.21	7	1,971.21	7	1,612.62	7	1,254.02	7	903.59	7	549.79	7	190.62	7		7		7	
1/4	2,321.75	1/4	1,963.74	1/4	1,605.15	1/4	1,246.55	1/4	896.41	1/4	542.31	1/4	183.16	1/4		1/4		1/4	
1/2	2,314.28	1/2	1,956.28	1/2	1,597.68	1/2	1,239.08	1/2	889.23	1/2	534.83	1/2	175.69	1/2		1/2		1/2	
3/4	2,306.82	3/4	1,948.81	3/4	1,590.21	3/4	1,231.61	3/4	882.05	3/4	527.36	3/4	168.24	3/4		3/4		3/4	
8	2,299.37	8	1,941.34	8	1,582.74	8	1,224.14	8	874.86	8	519.88	8	160.80	8		8		8	
1/4	2,291.91	1/4	1,933.86	1/4	1,575.27	1/4	1,216.67	1/4	867.68	1/4	512.40	1/4	153.35	1/4		1/4		1/4	
1/2	2,284.45	1/2	1,926.39	1/2	1,567.80	1/2	1,209.20	1/2	860.50	1/2	504.93	1/2	145.90	1/2		1/2		1/2	
3/4	2,276.99	3/4	1,918.92	3/4	1,560.32	3/4	1,201.73	3/4	853.31	3/4	497.45	3/4	138.49	3/4		3/4		3/4	
9	2,269.54	9	1,911.45	9	1,552.85	9	1,194.26	9	846.13	9	489.97	9	131.08	9		9		9	
1/4	2,262.08	1/4	1,903.98	1/4	1,545.38	1/4	1,186.78	1/4	838.95	1/4	482.50	1/4	123.66	1/4		1/4		1/4	
1/2	2,254.62	1/2	1,896.51	1/2	1,537.91	1/2	1,179.31	1/2	831.77	1/2	475.02	1/2	116.25	1/2		1/2		1/2	
3/4	2,247.16	3/4	1,889.04	3/4	1,530.44	3/4	1,171.84	3/4	824.58	3/4	467.54	3/4	109.13	3/4		3/4		3/4	
10	2,239.71	10	1,881.57	10	1,522.97	10	1,164.37	10	817.40	10	460.07	10	102.02	10		10		10	
1/4	2,232.25	1/4	1,874.10	1/4	1,515.50	1/4	1,156.90	1/4	810.22	1/4	452.59	1/4	94.90	1/4		1/4		1/4	
1/2	2,224.79	1/2	1,866.63	1/2	1,508.03	1/2	1,149.43	1/2	803.04	1/2	445.11	1/2	87.79	1/2		1/2		1/2	
3/4	2,217.33	3/4	1,859.16	3/4	1,500.56	3/4	1,142.09	3/4	795.71	3/4	437.63	3/4	81.51	3/4		3/4		3/4	
11	2,209.87	11	1,851.69	11	1,493.09	11	1,134.75	11	788.39	11	430.15	11	75.23	11		11		11	
1/4	2,202.42	1/4	1,844.22	1/4	1,485.62	1/4	1,127.41	1/4	781.06	1/4	422.66	1/4	68.94	1/4		1/4		1/4	
1/2	2,194.96	1/2	1,836.74	1/2	1,478.15	1/2	1,120.06	1/2	773.73	1/2	415.18	1/2	62.66	1/2		1/2		1/2	
3/4	2,187.50	3/4	1,829.27	3/4	1,470.68	3/4	1,112.80	3/4	766.32	3/4	407.69	3/4	57.46	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/28/2012 CL - SW  
RECOMP: 03/07/2023 JS  
NAME CHANGE: 03/07/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023

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



# BARGE "KIRBY 28088"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30044"

GAUGE HEIGHT 16'-11 3/4"

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		
									4,210.11		3,992.40		3,774.40		3,555.48		3,251.89		2,893.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,205.58	1/4	3,987.87	1/4	3,769.84	1/4	3,550.92	1/4	3,244.44	1/4	2,885.73		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,201.04	1/2	3,983.33	1/2	3,765.28	1/2	3,546.35	1/2	3,236.99	1/2	2,878.26		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,408.07	3/4	4,196.50	3/4	3,978.80	3/4	3,760.72	3/4	3,541.79	3/4	3,229.54	3/4	2,870.78
1	1	1	1	1	1	1	1	1	4,404.47	1	4,191.97	1	3,974.26	1	3,756.16	1	3,537.12	1	3,222.09	1	2,863.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,400.87	1/4	4,187.43	1/4	3,969.72	1/4	3,751.60	1/4	3,532.46	1/4	3,214.63	1/4	2,855.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,397.27	1/2	4,182.90	1/2	3,965.19	1/2	3,747.04	1/2	3,527.79	1/2	3,207.18	1/2	2,848.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,393.67	3/4	4,178.36	3/4	3,960.65	3/4	3,742.48	3/4	3,523.12	3/4	3,199.73	3/4	2,840.87
2	2	2	2	2	2	2	2	2	4,389.48	2	4,173.83	2	3,956.12	2	3,737.92	2	3,518.12	2	3,192.27	2	2,833.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,385.29	1/4	4,169.29	1/4	3,951.58	1/4	3,733.36	1/4	3,513.13	1/4	3,184.80	1/4	2,825.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,381.10	1/2	4,164.76	1/2	3,947.05	1/2	3,728.79	1/2	3,508.13	1/2	3,177.33	1/2	2,818.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,376.90	3/4	4,160.22	3/4	3,942.51	3/4	3,724.23	3/4	3,503.14	3/4	3,169.87	3/4	2,810.96
3	3	3	3	3	3	3	3	3	4,372.45	3	4,155.68	3	3,937.98	3	3,719.67	3	3,497.72	3	3,162.39	3	2,803.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,368.00	1/4	4,151.15	1/4	3,933.44	1/4	3,715.11	1/4	3,492.31	1/4	3,154.91	1/4	2,796.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,363.55	1/2	4,146.61	1/2	3,928.90	1/2	3,710.55	1/2	3,486.90	1/2	3,147.44	1/2	2,788.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,359.09	3/4	4,142.08	3/4	3,924.37	3/4	3,705.99	3/4	3,481.48	3/4	3,139.96	3/4	2,781.05
4	4	4	4	4	4	4	4	4	4,354.60	4	4,137.54	4	3,919.83	4	3,701.43	4	3,475.65	4	3,132.48	4	2,773.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,350.11	1/4	4,133.01	1/4	3,915.30	1/4	3,696.87	1/4	3,469.82	1/4	3,125.00	1/4	2,766.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,345.62	1/2	4,128.47	1/2	3,910.76	1/2	3,692.31	1/2	3,463.99	1/2	3,117.53	1/2	2,758.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,341.13	3/4	4,123.94	3/4	3,906.23	3/4	3,687.75	3/4	3,458.16	3/4	3,110.05	3/4	2,751.14
5	5	5	5	5	5	5	5	5	4,336.64	5	4,119.40	5	3,901.69	5	3,683.18	5	3,451.91	5	3,102.57	5	2,743.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,332.14	1/4	4,114.86	1/4	3,897.16	1/4	3,678.62	1/4	3,445.66	1/4	3,095.10	1/4	2,736.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,327.65	1/2	4,110.33	1/2	3,892.62	1/2	3,674.06	1/2	3,439.41	1/2	3,087.62	1/2	2,728.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,323.15	3/4	4,105.79	3/4	3,888.08	3/4	3,669.50	3/4	3,433.16	3/4	3,080.14	3/4	2,721.24
6	6	6	6	6	6	6	6	6	4,318.65	6	4,101.26	6	3,883.55	6	3,664.94	6	3,426.50	6	3,072.66	6	2,713.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,314.16	1/4	4,096.72	1/4	3,879.01	1/4	3,660.38	1/4	3,419.83	1/4	3,065.19	1/4	2,706.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,309.66	1/2	4,092.19	1/2	3,874.48	1/2	3,655.82	1/2	3,413.16	1/2	3,057.71	1/2	2,698.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,305.16	3/4	4,087.65	3/4	3,869.94	3/4	3,651.26	3/4	3,406.49	3/4	3,050.23	3/4	2,691.33
7	7	7	7	7	7	7	7	7	4,300.67	7	4,083.11	7	3,865.41	7	3,646.70	7	3,399.41	7	3,042.75	7	2,683.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,296.17	1/4	4,078.58	1/4	3,860.87	1/4	3,642.14	1/4	3,392.33	1/4	3,035.28	1/4	2,676.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,291.67	1/2	4,074.04	1/2	3,856.33	1/2	3,637.57	1/2	3,385.24	1/2	3,027.80	1/2	2,668.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,287.18	3/4	4,069.51	3/4	3,851.80	3/4	3,633.01	3/4	3,378.16	3/4	3,020.32	3/4	2,661.42
8	8	8	8	8	8	8	8	8	4,282.66	8	4,064.97	8	3,847.26	8	3,628.45	8	3,370.79	8	3,012.85	8	2,653.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,278.13	1/4	4,060.44	1/4	3,842.73	1/4	3,623.89	1/4	3,363.43	1/4	3,005.37	1/4	2,646.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,273.61	1/2	4,055.90	1/2	3,838.19	1/2	3,619.33	1/2	3,356.07	1/2	2,997.89	1/2	2,638.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,269.09	3/4	4,051.37	3/4	3,833.66	3/4	3,614.77	3/4	3,348.70	3/4	2,990.41	3/4	2,631.49
9	9	9	9	9	9	9	9	9	4,264.55	9	4,046.83	9	3,829.11	9	3,610.21	9	3,341.26	9	2,982.94	9	2,624.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,260.01	1/4	4,042.29	1/4	3,824.56	1/4	3,605.65	1/4	3,333.82	1/4	2,975.46	1/4	2,616.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,255.47	1/2	4,037.76	1/2	3,820.00	1/2	3,601.09	1/2	3,326.38	1/2	2,967.98	1/2	2,609.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,250.94	3/4	4,033.22	3/4	3,815.45	3/4	3,596.53	3/4	3,318.93	3/4	2,960.51	3/4	2,601.53
10	10	10	10	10	10	10	10	10	4,246.40	10	4,028.69	10	3,810.89	10	3,591.96	10	3,311.48	10	2,953.03	10	2,594.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,241.86	1/4	4,024.15	1/4	3,806.33	1/4	3,587.40	1/4	3,304.04	1/4	2,945.55	1/4	2,586.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,237.33	1/2	4,019.62	1/2	3,801.77	1/2	3,582.84	1/2	3,296.59	1/2	2,938.07	1/2	2,579.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,232.79	3/4	4,015.08	3/4	3,797.21	3/4	3,578.28	3/4	3,289.14	3/4	2,930.60	3/4	2,571.57
11	11	11	11	11	11	11	11	11	4,228.25	11	4,010.55	11	3,792.65	11	3,573.72	11	3,281.69	11	2,923.12	11	2,564.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,223.72	1/4	4,006.01	1/4	3,788.09	1/4	3,569.16	1/4	3,274.24	1/4	2,915.64	1/4	2,556.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,219.18	1/2	4,001.47	1/2	3,783.53	1/2	3,564.60	1/2	3,266.79	1/2	2,908.17	1/2	2,549.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,214.65	3/4	3,996.94	3/4	3,778.97	3/4	3,560.04	3/4	3,259.34	3/4	2,900.69	3/4	2,541.62

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 14'-08" OFF CENTERLINE AND 49'-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 28088"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "30044"

GAUGE HEIGHT 16'-11 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,534.13	0	2,174.67	0	1,815.21	0	1,455.75	0	1,096.30	0	737.30	0	377.85	0		0		0	
1/4	2,526.64	1/4	2,167.18	1/4	1,807.72	1/4	1,448.27	1/4	1,088.82	1/4	729.81	1/4	370.36	1/4		1/4		1/4	
1/2	2,519.15	1/2	2,159.69	1/2	1,800.23	1/2	1,440.78	1/2	1,081.33	1/2	722.32	1/2	362.87	1/2		1/2		1/2	
3/4	2,511.66	3/4	2,152.20	3/4	1,792.75	3/4	1,433.29	3/4	1,073.85	3/4	714.83	3/4	355.38	3/4		3/4		3/4	
1	2,504.17	1	2,144.71	1	1,785.26	1	1,425.80	1	1,066.37	1	707.34	1	347.90	1		1		1	
1/4	2,496.68	1/4	2,137.23	1/4	1,777.77	1/4	1,418.31	1/4	1,058.89	1/4	699.85	1/4	340.41	1/4		1/4		1/4	
1/2	2,489.19	1/2	2,129.74	1/2	1,770.28	1/2	1,410.82	1/2	1,051.40	1/2	692.37	1/2	332.92	1/2		1/2		1/2	
3/4	2,481.71	3/4	2,122.25	3/4	1,762.79	3/4	1,403.33	3/4	1,043.92	3/4	684.88	3/4	325.43	3/4		3/4		3/4	
2	2,474.22	2	2,114.76	2	1,755.30	2	1,395.84	2	1,036.45	2	677.39	2	317.94	2		2		2	
1/4	2,466.73	1/4	2,107.27	1/4	1,747.81	1/4	1,388.36	1/4	1,028.97	1/4	669.90	1/4	310.45	1/4		1/4		1/4	
1/2	2,459.24	1/2	2,099.78	1/2	1,740.32	1/2	1,380.87	1/2	1,021.49	1/2	662.41	1/2	302.96	1/2		1/2		1/2	
3/4	2,451.75	3/4	2,092.29	3/4	1,732.84	3/4	1,373.38	3/4	1,014.01	3/4	654.92	3/4	295.48	3/4		3/4		3/4	
3	2,444.26	3	2,084.80	3	1,725.35	3	1,365.89	3	1,006.53	3	647.44	3	287.99	3		3		3	
1/4	2,436.77	1/4	2,077.32	1/4	1,717.86	1/4	1,358.40	1/4	999.06	1/4	639.95	1/4	280.50	1/4		1/4		1/4	
1/2	2,429.29	1/2	2,069.83	1/2	1,710.37	1/2	1,350.91	1/2	991.58	1/2	632.46	1/2	273.01	1/2		1/2		1/2	
3/4	2,421.80	3/4	2,062.34	3/4	1,702.88	3/4	1,343.42	3/4	984.11	3/4	624.97	3/4	265.52	3/4		3/4		3/4	
4	2,414.31	4	2,054.85	4	1,695.39	4	1,335.93	4	976.63	4	617.48	4	258.04	4		4		4	
1/4	2,406.82	1/4	2,047.36	1/4	1,687.90	1/4	1,328.45	1/4	969.15	1/4	609.99	1/4	250.55	1/4		1/4		1/4	
1/2	2,399.33	1/2	2,039.87	1/2	1,680.42	1/2	1,320.96	1/2	961.68	1/2	602.50	1/2	243.07	1/2		1/2		1/2	
3/4	2,391.84	3/4	2,032.38	3/4	1,672.93	3/4	1,313.47	3/4	954.20	3/4	595.02	3/4	235.58	3/4		3/4		3/4	
5	2,384.35	5	2,024.90	5	1,665.44	5	1,305.98	5	946.72	5	587.53	5	228.10	5		5		5	
1/4	2,376.86	1/4	2,017.41	1/4	1,657.95	1/4	1,298.49	1/4	939.25	1/4	580.04	1/4	220.62	1/4		1/4		1/4	
1/2	2,369.38	1/2	2,009.92	1/2	1,650.46	1/2	1,291.00	1/2	931.77	1/2	572.55	1/2	213.14	1/2		1/2		1/2	
3/4	2,361.89	3/4	2,002.43	3/4	1,642.97	3/4	1,283.51	3/4	924.30	3/4	565.06	3/4	205.67	3/4		3/4		3/4	
6	2,354.40	6	1,994.94	6	1,635.48	6	1,276.03	6	916.82	6	557.57	6	198.20	6		6		6	
1/4	2,346.91	1/4	1,987.45	1/4	1,627.99	1/4	1,268.54	1/4	909.34	1/4	550.08	1/4	190.73	1/4		1/4		1/4	
1/2	2,339.42	1/2	1,979.96	1/2	1,620.51	1/2	1,261.05	1/2	901.87	1/2	542.60	1/2	183.27	1/2		1/2		1/2	
3/4	2,331.93	3/4	1,972.47	3/4	1,613.02	3/4	1,253.56	3/4	894.39	3/4	535.11	3/4	175.80	3/4		3/4		3/4	
7	2,324.44	7	1,964.99	7	1,605.53	7	1,246.07	7	886.91	7	527.62	7	168.35	7		7		7	
1/4	2,316.95	1/4	1,957.50	1/4	1,598.04	1/4	1,238.58	1/4	879.44	1/4	520.13	1/4	160.91	1/4		1/4		1/4	
1/2	2,309.47	1/2	1,950.01	1/2	1,590.55	1/2	1,231.09	1/2	871.96	1/2	512.64	1/2	153.46	1/2		1/2		1/2	
3/4	2,301.98	3/4	1,942.52	3/4	1,583.06	3/4	1,223.60	3/4	864.49	3/4	505.15	3/4	146.01	3/4		3/4		3/4	
8	2,294.49	8	1,935.03	8	1,575.57	8	1,216.12	8	857.01	8	497.67	8	138.60	8		8		8	
1/4	2,287.00	1/4	1,927.54	1/4	1,568.08	1/4	1,208.63	1/4	849.53	1/4	490.18	1/4	131.19	1/4		1/4		1/4	
1/2	2,279.51	1/2	1,920.05	1/2	1,560.60	1/2	1,201.14	1/2	842.06	1/2	482.69	1/2	123.77	1/2		1/2		1/2	
3/4	2,272.02	3/4	1,912.56	3/4	1,553.11	3/4	1,193.65	3/4	834.58	3/4	475.20	3/4	116.36	3/4		3/4		3/4	
9	2,264.53	9	1,905.08	9	1,545.62	9	1,186.16	9	827.11	9	467.71	9	109.24	9		9		9	
1/4	2,257.05	1/4	1,897.59	1/4	1,538.13	1/4	1,178.67	1/4	819.63	1/4	460.22	1/4	102.13	1/4		1/4		1/4	
1/2	2,249.56	1/2	1,890.10	1/2	1,530.64	1/2	1,171.18	1/2	812.15	1/2	452.73	1/2	95.01	1/2		1/2		1/2	
3/4	2,242.07	3/4	1,882.61	3/4	1,523.15	3/4	1,163.69	3/4	804.68	3/4	445.25	3/4	87.90	3/4		3/4		3/4	
10	2,234.58	10	1,875.12	10	1,515.66	10	1,156.21	10	797.19	10	437.76	10	81.62	10		10		10	
1/4	2,227.09	1/4	1,867.63	1/4	1,508.17	1/4	1,148.72	1/4	789.71	1/4	430.27	1/4	75.33	1/4		1/4		1/4	
1/2	2,219.60	1/2	1,860.14	1/2	1,500.69	1/2	1,141.23	1/2	782.22	1/2	422.78	1/2	69.05	1/2		1/2		1/2	
3/4	2,212.11	3/4	1,852.66	3/4	1,493.20	3/4	1,133.74	3/4	774.74	3/4	415.29	3/4	62.77	3/4		3/4		3/4	
11	2,204.62	11	1,845.17	11	1,485.71	11	1,126.25	11	767.25	11	407.80	11	57.55	11		11		11	
1/4	2,197.14	1/4	1,837.68	1/4	1,478.22	1/4	1,118.76	1/4	759.76	1/4	400.31	1/4	52.34	1/4		1/4		1/4	
1/2	2,189.65	1/2	1,830.19	1/2	1,470.73	1/2	1,111.27	1/2	752.27	1/2	392.83	1/2	47.12	1/2		1/2		1/2	
3/4	2,182.16	3/4	1,822.70	3/4	1,463.24	3/4	1,103.79	3/4	744.79	3/4	385.34	3/4	41.91	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/28/2012 CL - SW  
RECOMP: 03/07/2023 JS  
NAME CHANGE: 03/07/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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