



BARGE "HTCO 3139"

ULLAGE TRIM TABLE (HERMETIC)

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

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

May 5, 2020

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3139"

1 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,701.30	0	4,344.64	0	3,986.70	0	3,628.68	0	3,270.67	0	2,912.64
1/4		1/4		1/4		1/4		1/4	4,693.90	1/4	4,337.21	1/4	3,979.24	1/4	3,621.23	1/4	3,263.21	1/4	2,905.17
1/2		1/2		1/2		1/2		1/2	4,686.51	1/2	4,329.77	1/2	3,971.78	1/2	3,613.77	1/2	3,255.75	1/2	2,897.71
3/4		3/4		3/4		3/4		3/4	4,679.11	3/4	4,322.32	3/4	3,964.33	3/4	3,606.31	3/4	3,248.29	3/4	2,890.24
1		1		1		1		1	4,671.71	1	4,314.87	1	3,956.87	1	3,598.85	1	3,240.83	1	2,882.78
1/4		1/4		1/4		1/4		1/4	5,007.77	1/4	4,664.31	1/4	4,307.42	1/4	3,949.41	1/4	3,591.39	1/4	3,233.37
1/2		1/2		1/2		1/2		1/2	5,003.03	1/2	4,656.92	1/2	4,299.97	1/2	3,941.95	1/2	3,583.93	1/2	3,225.91
3/4		3/4		3/4		3/4		3/4	4,997.23	3/4	4,649.50	3/4	4,292.51	3/4	3,934.49	3/4	3,576.47	3/4	3,218.46
2		2		2		2		2	4,991.43	2	4,642.08	2	4,285.05	2	3,927.03	2	3,569.02	2	3,211.00
1/4		1/4		1/4		1/4		1/4	4,985.63	1/4	4,634.67	1/4	4,277.59	1/4	3,919.57	1/4	3,561.56	1/4	3,203.54
1/2		1/2		1/2		1/2		1/2	4,979.83	1/2	4,627.25	1/2	4,270.13	1/2	3,912.12	1/2	3,554.10	1/2	3,196.08
3/4		3/4		3/4		3/4		3/4	4,973.02	3/4	4,619.81	3/4	4,262.67	3/4	3,904.66	3/4	3,546.64	3/4	3,188.62
3		3		3		3		3	4,966.22	3	4,612.37	3	4,255.22	3	3,897.20	3	3,539.18	3	3,181.16
1/4		1/4		1/4		1/4		1/4	4,959.42	1/4	4,604.94	1/4	4,247.76	1/4	3,889.74	1/4	3,531.72	1/4	3,173.70
1/2		1/2		1/2		1/2		1/2	4,952.62	1/2	4,597.50	1/2	4,240.30	1/2	3,882.28	1/2	3,524.26	1/2	3,166.25
3/4		3/4		3/4		3/4		3/4	4,945.28	3/4	4,590.06	3/4	4,232.84	3/4	3,874.82	3/4	3,516.80	3/4	3,158.79
4		4		4		4		4	4,937.94	4	4,582.63	4	4,225.38	4	3,867.36	4	3,509.35	4	3,151.33
1/4		1/4		1/4		1/4		1/4	4,930.61	1/4	4,575.19	1/4	4,217.92	1/4	3,859.90	1/4	3,501.89	1/4	3,143.87
1/2		1/2		1/2		1/2		1/2	4,923.27	1/2	4,567.75	1/2	4,210.46	1/2	3,852.45	1/2	3,494.43	1/2	3,136.41
3/4		3/4		3/4		3/4		3/4	4,915.87	3/4	4,560.32	3/4	4,203.00	3/4	3,844.99	3/4	3,486.97	3/4	3,128.95
5		5		5		5		5	4,908.47	5	4,552.88	5	4,195.55	5	3,837.53	5	3,479.51	5	3,121.49
1/4		1/4		1/4		1/4		1/4	4,901.07	1/4	4,545.44	1/4	4,188.09	1/4	3,830.07	1/4	3,472.05	1/4	3,114.03
1/2		1/2		1/2		1/2		1/2	4,893.67	1/2	4,538.00	1/2	4,180.63	1/2	3,822.61	1/2	3,464.59	1/2	3,106.58
3/4		3/4		3/4		3/4		3/4	4,886.27	3/4	4,530.57	3/4	4,173.17	3/4	3,815.15	3/4	3,457.13	3/4	3,099.12
6		6		6		6		6	4,878.87	6	4,523.13	6	4,165.71	6	3,807.69	6	3,449.68	6	3,091.66
1/4		1/4		1/4		1/4		1/4	4,871.46	1/4	4,515.69	1/4	4,158.25	1/4	3,800.23	1/4	3,442.22	1/4	3,084.20
1/2		1/2		1/2		1/2		1/2	4,864.06	1/2	4,508.26	1/2	4,150.79	1/2	3,792.78	1/2	3,434.76	1/2	3,076.74
3/4		3/4		3/4		3/4		3/4	4,856.66	3/4	4,500.82	3/4	4,143.33	3/4	3,785.32	3/4	3,427.30	3/4	3,069.28
7		7		7		7		7	4,849.26	7	4,493.38	7	4,135.88	7	3,777.86	7	3,419.84	7	3,061.82
1/4		1/4		1/4		1/4		1/4	4,841.86	1/4	4,485.95	1/4	4,128.42	1/4	3,770.40	1/4	3,412.38	1/4	3,054.36
1/2		1/2		1/2		1/2		1/2	4,834.46	1/2	4,478.51	1/2	4,120.96	1/2	3,762.94	1/2	3,404.92	1/2	3,046.91
3/4		3/4		3/4		3/4		3/4	4,827.06	3/4	4,471.07	3/4	4,113.50	3/4	3,755.48	3/4	3,397.46	3/4	3,039.45
8		8		8		8		8	4,819.66	8	4,463.63	8	4,106.04	8	3,748.02	8	3,390.01	8	3,031.99
1/4		1/4		1/4		1/4		1/4	4,812.26	1/4	4,456.20	1/4	4,098.58	1/4	3,740.57	1/4	3,382.55	1/4	3,024.53
1/2		1/2		1/2		1/2		1/2	4,804.86	1/2	4,448.76	1/2	4,091.12	1/2	3,733.11	1/2	3,375.09	1/2	3,017.07
3/4		3/4		3/4		3/4		3/4	4,797.46	3/4	4,441.32	3/4	4,083.67	3/4	3,725.65	3/4	3,367.63	3/4	3,009.61
9		9		9		9		9	4,790.07	9	4,433.89	9	4,076.21	9	3,718.19	9	3,360.17	9	3,002.15
1/4		1/4		1/4		1/4		1/4	4,782.67	1/4	4,426.45	1/4	4,068.75	1/4	3,710.73	1/4	3,352.71	1/4	2,994.70
1/2		1/2		1/2		1/2		1/2	4,775.27	1/2	4,419.01	1/2	4,061.29	1/2	3,703.27	1/2	3,345.25	1/2	2,987.24
3/4		3/4		3/4		3/4		3/4	4,767.87	3/4	4,411.58	3/4	4,053.83	3/4	3,695.81	3/4	3,337.80	3/4	2,979.78
10		10		10		10		10	4,760.48	10	4,404.14	10	4,046.37	10	3,688.35	10	3,330.34	10	2,972.32
1/4		1/4		1/4		1/4		1/4	4,753.08	1/4	4,396.70	1/4	4,038.91	1/4	3,680.90	1/4	3,322.88	1/4	2,964.86
1/2		1/2		1/2		1/2		1/2	4,745.68	1/2	4,389.26	1/2	4,031.45	1/2	3,673.44	1/2	3,315.42	1/2	2,957.40
3/4		3/4		3/4		3/4		3/4	4,738.29	3/4	4,381.83	3/4	4,024.00	3/4	3,665.98	3/4	3,307.96	3/4	2,949.94
11		11		11		11		11	4,730.89	11	4,374.39	11	4,016.54	11	3,658.52	11	3,300.50	11	2,942.48
1/4		1/4		1/4		1/4		1/4	4,723.49	1/4	4,366.95	1/4	4,009.08	1/4	3,651.06	1/4	3,293.04	1/4	2,935.03
1/2		1/2		1/2		1/2		1/2	4,716.09	1/2	4,359.52	1/2	4,001.62	1/2	3,643.60	1/2	3,285.58	1/2	2,927.57
3/4		3/4		3/4		3/4		3/4	4,708.70	3/4	4,352.08	3/4	3,994.16	3/4	3,636.14	3/4	3,278.13	3/4	2,920.10

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" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "HTCO 3139"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,554.42	0	2,196.21	0	1,838.00	0	1,479.79	0	1,121.61	0	765.54	0	411.58	0	95.60	0		0	
1/4	2,546.96	1/4	2,188.75	1/4	1,830.54	1/4	1,472.33	1/4	1,114.16	1/4	758.10	1/4	404.52	1/4	89.49	1/4		1/4	
1/2	2,539.50	1/2	2,181.29	1/2	1,823.08	1/2	1,464.87	1/2	1,106.72	1/2	750.66	1/2	397.47	1/2	83.38	1/2		1/2	
3/4	2,532.03	3/4	2,173.82	3/4	1,815.61	3/4	1,457.41	3/4	1,099.28	3/4	743.20	3/4	390.49	3/4	77.35	3/4		3/4	
1	2,524.57	1	2,166.36	1	1,808.15	1	1,449.94	1	1,091.85	1	735.74	1	383.52	1	71.32	1		1	
1/4	2,517.11	1/4	2,158.90	1/4	1,800.69	1/4	1,442.48	1/4	1,084.42	1/4	728.28	1/4	376.55	1/4	65.30	1/4		1/4	
1/2	2,509.65	1/2	2,151.44	1/2	1,793.23	1/2	1,435.02	1/2	1,076.98	1/2	720.81	1/2	369.58	1/2	59.27	1/2		1/2	
3/4	2,502.18	3/4	2,143.97	3/4	1,785.76	3/4	1,427.55	3/4	1,069.56	3/4	713.35	3/4	362.68	3/4	53.79	3/4		3/4	
2	2,494.72	2	2,136.51	2	1,778.30	2	1,420.09	2	1,062.13	2	705.89	2	355.78	2	48.31	2		2	
1/4	2,487.26	1/4	2,129.05	1/4	1,770.84	1/4	1,412.63	1/4	1,054.71	1/4	698.43	1/4	348.88	1/4	42.82	1/4		1/4	
1/2	2,479.80	1/2	2,121.59	1/2	1,763.38	1/2	1,405.17	1/2	1,047.28	1/2	690.96	1/2	341.98	1/2	37.34	1/2		1/2	
3/4	2,472.33	3/4	2,114.12	3/4	1,755.91	3/4	1,397.70	3/4	1,039.86	3/4	683.50	3/4	335.16	3/4	33.34	3/4		3/4	
3	2,464.87	3	2,106.66	3	1,748.45	3	1,390.24	3	1,032.44	3	676.04	3	328.33	3	29.34	3		3	
1/4	2,457.41	1/4	2,099.20	1/4	1,740.99	1/4	1,382.78	1/4	1,025.02	1/4	668.58	1/4	321.51	1/4	25.34	1/4		1/4	
1/2	2,449.94	1/2	2,091.73	1/2	1,733.53	1/2	1,375.32	1/2	1,017.60	1/2	661.11	1/2	314.69	1/2	21.35	1/2		1/2	
3/4	2,442.48	3/4	2,084.27	3/4	1,726.06	3/4	1,367.85	3/4	1,010.19	3/4	653.65	3/4	307.94	3/4	18.43	3/4		3/4	
4	2,435.02	4	2,076.81	4	1,718.60	4	1,360.39	4	1,002.77	4	646.19	4	301.20	4		4		4	
1/4	2,427.56	1/4	2,069.35	1/4	1,711.14	1/4	1,352.93	1/4	995.36	1/4	638.73	1/4	294.45	1/4		1/4		1/4	
1/2	2,420.09	1/2	2,061.88	1/2	1,703.67	1/2	1,345.46	1/2	987.94	1/2	631.26	1/2	287.71	1/2		1/2		1/2	
3/4	2,412.63	3/4	2,054.42	3/4	1,696.21	3/4	1,338.00	3/4	980.53	3/4	623.80	3/4	281.04	3/4		3/4		3/4	
5	2,405.17	5	2,046.96	5	1,688.75	5	1,330.54	5	973.12	5	616.34	5	274.38	5		5		5	
1/4	2,397.71	1/4	2,039.50	1/4	1,681.29	1/4	1,323.08	1/4	965.71	1/4	608.87	1/4	267.72	1/4		1/4		1/4	
1/2	2,390.24	1/2	2,032.03	1/2	1,673.82	1/2	1,315.61	1/2	958.29	1/2	601.41	1/2	261.05	1/2		1/2		1/2	
3/4	2,382.78	3/4	2,024.57	3/4	1,666.36	3/4	1,308.15	3/4	950.88	3/4	593.95	3/4	254.47	3/4		3/4		3/4	
6	2,375.32	6	2,017.11	6	1,658.90	6	1,300.69	6	943.47	6	586.49	6	247.89	6		6		6	
1/4	2,367.85	1/4	2,009.65	1/4	1,651.44	1/4	1,293.23	1/4	936.06	1/4	579.02	1/4	241.31	1/4		1/4		1/4	
1/2	2,360.39	1/2	2,002.18	1/2	1,643.97	1/2	1,285.76	1/2	928.65	1/2	571.56	1/2	234.72	1/2		1/2		1/2	
3/4	2,352.93	3/4	1,994.72	3/4	1,636.51	3/4	1,278.30	3/4	921.24	3/4	564.12	3/4	228.22	3/4		3/4		3/4	
7	2,345.47	7	1,987.26	7	1,629.05	7	1,270.84	7	913.82	7	556.68	7	221.72	7		7		7	
1/4	2,338.00	1/4	1,979.79	1/4	1,621.58	1/4	1,263.38	1/4	906.41	1/4	549.24	1/4	215.22	1/4		1/4		1/4	
1/2	2,330.54	1/2	1,972.33	1/2	1,614.12	1/2	1,255.91	1/2	899.00	1/2	541.80	1/2	208.72	1/2		1/2		1/2	
3/4	2,323.08	3/4	1,964.87	3/4	1,606.66	3/4	1,248.45	3/4	891.59	3/4	534.42	3/4	202.30	3/4		3/4		3/4	
8	2,315.62	8	1,957.41	8	1,599.20	8	1,240.99	8	884.18	8	527.04	8	195.88	8		8		8	
1/4	2,308.15	1/4	1,949.94	1/4	1,591.73	1/4	1,233.52	1/4	876.77	1/4	519.67	1/4	189.47	1/4		1/4		1/4	
1/2	2,300.69	1/2	1,942.48	1/2	1,584.27	1/2	1,226.06	1/2	869.35	1/2	512.29	1/2	183.05	1/2		1/2		1/2	
3/4	2,293.23	3/4	1,935.02	3/4	1,576.81	3/4	1,218.60	3/4	861.94	3/4	504.99	3/4	176.70	3/4		3/4		3/4	
9	2,285.77	9	1,927.56	9	1,569.35	9	1,211.14	9	854.53	9	497.69	9	170.36	9		9		9	
1/4	2,278.30	1/4	1,920.09	1/4	1,561.88	1/4	1,203.67	1/4	847.12	1/4	490.39	1/4	164.01	1/4		1/4		1/4	
1/2	2,270.84	1/2	1,912.63	1/2	1,554.42	1/2	1,196.21	1/2	839.71	1/2	483.10	1/2	157.67	1/2		1/2		1/2	
3/4	2,263.38	3/4	1,905.17	3/4	1,546.96	3/4	1,188.75	3/4	832.29	3/4	475.88	3/4	151.40	3/4		3/4		3/4	
10	2,255.91	10	1,897.70	10	1,539.50	10	1,181.29	10	824.88	10	468.66	10	145.13	10		10		10	
1/4	2,248.45	1/4	1,890.24	1/4	1,532.03	1/4	1,173.82	1/4	817.47	1/4	461.44	1/4	138.85	1/4		1/4		1/4	
1/2	2,240.99	1/2	1,882.78	1/2	1,524.57	1/2	1,166.36	1/2	810.06	1/2	454.23	1/2	132.58	1/2		1/2		1/2	
3/4	2,233.53	3/4	1,875.32	3/4	1,517.11	3/4	1,158.90	3/4	802.65	3/4	447.09	3/4	126.39	3/4		3/4		3/4	
11	2,226.06	11	1,867.85	11	1,509.64	11	1,151.43	11	795.24	11	439.96	11	120.20	11		11		11	
1/4	2,218.60	1/4	1,860.39	1/4	1,502.18	1/4	1,143.97	1/4	787.82	1/4	432.82	1/4	114.01	1/4		1/4		1/4	
1/2	2,211.14	1/2	1,852.93	1/2	1,494.72	1/2	1,136.51	1/2	780.41	1/2	425.68	1/2	107.82	1/2		1/2		1/2	
3/4	2,203.68	3/4	1,845.47	3/4	1,487.26	3/4	1,129.06	3/4	772.97	3/4	418.63	3/4	101.71	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/23/2015 PMA
RECALCULATED: 05/05/2020 SW
REPRINTED: 05/05/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HTCO 3139"

1 STBD ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,693.29	0	4,336.77	0	3,979.00	0	3,621.16	0	3,263.32	0	2,905.47
1/4		1/4		1/4		1/4		1/4	4,685.90	1/4	4,329.34	1/4	3,971.54	1/4	3,613.70	1/4	3,255.86	1/4	2,898.01
1/2		1/2		1/2		1/2		1/2	4,678.51	1/2	4,321.89	1/2	3,964.09	1/2	3,606.25	1/2	3,248.41	1/2	2,890.55
3/4		3/4		3/4		3/4		3/4	4,671.11	3/4	4,314.45	3/4	3,956.63	3/4	3,598.79	3/4	3,240.95	3/4	2,883.09
1		1		1		1	5,006.99	1	4,663.72	1	4,307.01	1	3,949.18	1	3,591.34	1	3,233.50	1	2,875.63
1/4		1/4		1/4		1/4	5,002.26	1/4	4,656.32	1/4	4,299.56	1/4	3,941.72	1/4	3,583.88	1/4	3,226.04	1/4	2,868.17
1/2		1/2		1/2		1/2	4,996.46	1/2	4,648.91	1/2	4,292.11	1/2	3,934.27	1/2	3,576.43	1/2	3,218.59	1/2	2,860.71
3/4		3/4		3/4		3/4	4,990.66	3/4	4,641.50	3/4	4,284.65	3/4	3,926.81	3/4	3,568.97	3/4	3,211.13	3/4	2,853.25
2		2		2		2	4,984.86	2	4,634.08	2	4,277.20	2	3,919.36	2	3,561.52	2	3,203.68	2	2,845.79
1/4		1/4		1/4		1/4	4,979.06	1/4	4,626.67	1/4	4,269.74	1/4	3,911.90	1/4	3,554.06	1/4	3,196.22	1/4	2,838.34
1/2		1/2		1/2		1/2	4,972.26	1/2	4,619.24	1/2	4,262.29	1/2	3,904.45	1/2	3,546.61	1/2	3,188.77	1/2	2,830.88
3/4		3/4		3/4		3/4	4,965.46	3/4	4,611.80	3/4	4,254.83	3/4	3,896.99	3/4	3,539.15	3/4	3,181.31	3/4	2,823.42
3		3		3		3	4,958.67	3	4,604.37	3	4,247.38	3	3,889.54	3	3,531.70	3	3,173.86	3	2,815.96
1/4		1/4		1/4		1/4	4,951.87	1/4	4,596.94	1/4	4,239.92	1/4	3,882.08	1/4	3,524.24	1/4	3,166.40	1/4	2,808.50
1/2		1/2		1/2		1/2	4,944.54	1/2	4,589.50	1/2	4,232.47	1/2	3,874.63	1/2	3,516.79	1/2	3,158.95	1/2	2,801.04
3/4		3/4		3/4		3/4	4,937.21	3/4	4,582.07	3/4	4,225.01	3/4	3,867.17	3/4	3,509.33	3/4	3,151.49	3/4	2,793.58
4		4		4		4	4,929.88	4	4,574.64	4	4,217.56	4	3,859.72	4	3,501.88	4	3,144.04	4	2,786.12
1/4		1/4		1/4		1/4	4,922.55	1/4	4,567.20	1/4	4,210.10	1/4	3,852.26	1/4	3,494.42	1/4	3,136.58	1/4	2,778.66
1/2		1/2		1/2		1/2	4,915.15	1/2	4,559.77	1/2	4,202.65	1/2	3,844.81	1/2	3,486.97	1/2	3,129.13	1/2	2,771.20
3/4		3/4		3/4		3/4	4,907.75	3/4	4,552.34	3/4	4,195.19	3/4	3,837.35	3/4	3,479.51	3/4	3,121.67	3/4	2,763.75
5		5		5		5	4,900.36	5	4,544.90	5	4,187.74	5	3,829.90	5	3,472.06	5	3,114.22	5	2,756.29
1/4		1/4		1/4		1/4	4,892.96	1/4	4,537.47	1/4	4,180.28	1/4	3,822.44	1/4	3,464.60	1/4	3,106.76	1/4	2,748.83
1/2		1/2		1/2		1/2	4,885.56	1/2	4,530.04	1/2	4,172.83	1/2	3,814.99	1/2	3,457.15	1/2	3,099.31	1/2	2,741.37
3/4		3/4		3/4		3/4	4,878.16	3/4	4,522.60	3/4	4,165.37	3/4	3,807.53	3/4	3,449.69	3/4	3,091.85	3/4	2,733.91
6		6		6		6	4,870.77	6	4,515.17	6	4,157.92	6	3,800.08	6	3,442.24	6	3,084.40	6	2,726.45
1/4		1/4		1/4		1/4	4,863.37	1/4	4,507.74	1/4	4,150.46	1/4	3,792.62	1/4	3,434.78	1/4	3,076.94	1/4	2,718.99
1/2		1/2		1/2		1/2	4,855.97	1/2	4,500.30	1/2	4,143.01	1/2	3,785.17	1/2	3,427.33	1/2	3,069.49	1/2	2,711.53
3/4		3/4		3/4		3/4	4,848.57	3/4	4,492.87	3/4	4,135.55	3/4	3,777.71	3/4	3,419.87	3/4	3,062.03	3/4	2,704.07
7		7		7		7	4,841.18	7	4,485.44	7	4,128.10	7	3,770.26	7	3,412.42	7	3,054.58	7	2,696.61
1/4		1/4		1/4		1/4	4,833.78	1/4	4,478.00	1/4	4,120.64	1/4	3,762.80	1/4	3,404.96	1/4	3,047.12	1/4	2,689.16
1/2		1/2		1/2		1/2	4,826.38	1/2	4,470.57	1/2	4,113.19	1/2	3,755.35	1/2	3,397.51	1/2	3,039.67	1/2	2,681.70
3/4		3/4		3/4		3/4	4,818.99	3/4	4,463.14	3/4	4,105.73	3/4	3,747.89	3/4	3,390.05	3/4	3,032.21	3/4	2,674.24
8		8		8		8	4,811.59	8	4,455.70	8	4,098.28	8	3,740.44	8	3,382.60	8	3,024.76	8	2,666.78
1/4		1/4		1/4		1/4	4,804.20	1/4	4,448.27	1/4	4,090.82	1/4	3,732.98	1/4	3,375.14	1/4	3,017.30	1/4	2,659.32
1/2		1/2		1/2		1/2	4,796.80	1/2	4,440.84	1/2	4,083.37	1/2	3,725.53	1/2	3,367.69	1/2	3,009.85	1/2	2,651.86
3/4		3/4		3/4		3/4	4,789.41	3/4	4,433.41	3/4	4,075.91	3/4	3,718.07	3/4	3,360.23	3/4	3,002.39	3/4	2,644.40
9		9		9		9	4,782.02	9	4,425.97	9	4,068.46	9	3,710.62	9	3,352.78	9	2,994.94	9	2,636.94
1/4		1/4		1/4		1/4	4,774.62	1/4	4,418.54	1/4	4,061.00	1/4	3,703.16	1/4	3,345.32	1/4	2,987.48	1/4	2,629.48
1/2		1/2		1/2		1/2	4,767.23	1/2	4,411.11	1/2	4,053.55	1/2	3,695.71	1/2	3,337.87	1/2	2,980.03	1/2	2,622.02
3/4		3/4		3/4		3/4	4,759.83	3/4	4,403.67	3/4	4,046.09	3/4	3,688.25	3/4	3,330.41	3/4	2,972.57	3/4	2,614.57
10		10		10		10	4,752.44	10	4,396.24	10	4,038.64	10	3,680.80	10	3,322.96	10	2,965.12	10	2,607.11
1/4		1/4		1/4		1/4	4,745.05	1/4	4,388.81	1/4	4,031.18	1/4	3,673.34	1/4	3,315.50	1/4	2,957.66	1/4	2,599.65
1/2		1/2		1/2		1/2	4,737.65	1/2	4,381.37	1/2	4,023.73	1/2	3,665.89	1/2	3,308.05	1/2	2,950.21	1/2	2,592.19
3/4		3/4		3/4		3/4	4,730.26	3/4	4,373.94	3/4	4,016.27	3/4	3,658.43	3/4	3,300.59	3/4	2,942.75	3/4	2,584.73
11		11		11		11	4,722.87	11	4,366.51	11	4,008.82	11	3,650.98	11	3,293.14	11	2,935.30	11	2,577.27
1/4		1/4		1/4		1/4	4,715.47	1/4	4,359.07	1/4	4,001.36	1/4	3,643.52	1/4	3,285.68	1/4	2,927.84	1/4	2,569.81
1/2		1/2		1/2		1/2	4,708.08	1/2	4,351.64	1/2	3,993.91	1/2	3,636.07	1/2	3,278.23	1/2	2,920.38	1/2	2,562.35
3/4		3/4		3/4		3/4	4,700.69	3/4	4,344.21	3/4	3,986.45	3/4	3,628.61	3/4	3,270.77	3/4	2,912.92	3/4	2,554.89

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" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 45'-09" 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 "HTCO 3139"

1 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,547.43	0	2,189.40	0	1,831.37	0	1,473.34	0	1,115.31	0	757.76	0	404.40	0	89.47	0		0	
1/4	2,539.98	1/4	2,181.94	1/4	1,823.91	1/4	1,465.88	1/4	1,107.85	1/4	750.31	1/4	397.34	1/4	83.36	1/4		1/4	
1/2	2,532.52	1/2	2,174.48	1/2	1,816.45	1/2	1,458.42	1/2	1,100.39	1/2	742.85	1/2	390.37	1/2	77.34	1/2		1/2	
3/4	2,525.06	3/4	2,167.03	3/4	1,808.99	3/4	1,450.96	3/4	1,092.93	3/4	735.39	3/4	383.40	3/4	71.31	3/4		3/4	
1	2,517.60	1	2,159.57	1	1,801.53	1	1,443.50	1	1,085.47	1	727.93	1	376.44	1	65.28	1		1	
1/4	2,510.14	1/4	2,152.11	1/4	1,794.08	1/4	1,436.04	1/4	1,078.01	1/4	720.48	1/4	369.47	1/4	59.25	1/4		1/4	
1/2	2,502.68	1/2	2,144.65	1/2	1,786.62	1/2	1,428.58	1/2	1,070.56	1/2	713.02	1/2	362.57	1/2	53.77	1/2		1/2	
3/4	2,495.22	3/4	2,137.19	3/4	1,779.16	3/4	1,421.13	3/4	1,063.10	3/4	705.56	3/4	355.67	3/4	48.30	3/4		3/4	
2	2,487.76	2	2,129.73	2	1,771.70	2	1,413.67	2	1,055.64	2	698.10	2	348.78	2	42.82	2		2	
1/4	2,480.30	1/4	2,122.27	1/4	1,764.24	1/4	1,406.21	1/4	1,048.19	1/4	690.64	1/4	341.88	1/4	37.34	1/4		1/4	
1/2	2,472.84	1/2	2,114.81	1/2	1,756.78	1/2	1,398.75	1/2	1,040.74	1/2	683.18	1/2	335.06	1/2	33.34	1/2		1/2	
3/4	2,465.39	3/4	2,107.35	3/4	1,749.32	3/4	1,391.29	3/4	1,033.28	3/4	675.72	3/4	328.24	3/4	29.34	3/4		3/4	
3	2,457.93	3	2,099.89	3	1,741.86	3	1,383.83	3	1,025.83	3	668.26	3	321.42	3	25.34	3		3	
1/4	2,450.47	1/4	2,092.44	1/4	1,734.40	1/4	1,376.37	1/4	1,018.38	1/4	660.80	1/4	314.60	1/4	21.34	1/4		1/4	
1/2	2,443.01	1/2	2,084.98	1/2	1,726.94	1/2	1,368.91	1/2	1,010.93	1/2	653.35	1/2	307.85	1/2	18.42	1/2		1/2	
3/4	2,435.55	3/4	2,077.52	3/4	1,719.49	3/4	1,361.45	3/4	1,003.48	3/4	645.89	3/4	301.11	3/4		3/4		3/4	
4	2,428.09	4	2,070.06	4	1,712.03	4	1,353.99	4	996.03	4	638.43	4	294.37	4		4		4	
1/4	2,420.63	1/4	2,062.60	1/4	1,704.57	1/4	1,346.54	1/4	988.58	1/4	630.97	1/4	287.63	1/4		1/4		1/4	
1/2	2,413.17	1/2	2,055.14	1/2	1,697.11	1/2	1,339.08	1/2	981.14	1/2	623.51	1/2	280.97	1/2		1/2		1/2	
3/4	2,405.71	3/4	2,047.68	3/4	1,689.65	3/4	1,331.62	3/4	973.69	3/4	616.05	3/4	274.31	3/4		3/4		3/4	
5	2,398.25	5	2,040.22	5	1,682.19	5	1,324.16	5	966.25	5	608.59	5	267.65	5		5		5	
1/4	2,390.80	1/4	2,032.76	1/4	1,674.73	1/4	1,316.70	1/4	958.80	1/4	601.13	1/4	260.98	1/4		1/4		1/4	
1/2	2,383.34	1/2	2,025.30	1/2	1,667.27	1/2	1,309.24	1/2	951.36	1/2	593.68	1/2	254.40	1/2		1/2		1/2	
3/4	2,375.88	3/4	2,017.85	3/4	1,659.81	3/4	1,301.78	3/4	943.91	3/4	586.22	3/4	247.82	3/4		3/4		3/4	
6	2,368.42	6	2,010.39	6	1,652.35	6	1,294.32	6	936.47	6	578.76	6	241.24	6		6		6	
1/4	2,360.96	1/4	2,002.93	1/4	1,644.90	1/4	1,286.86	1/4	929.02	1/4	571.30	1/4	234.66	1/4		1/4		1/4	
1/2	2,353.50	1/2	1,995.47	1/2	1,637.44	1/2	1,279.40	1/2	921.58	1/2	563.87	1/2	228.17	1/2		1/2		1/2	
3/4	2,346.04	3/4	1,988.01	3/4	1,629.98	3/4	1,271.95	3/4	914.13	3/4	556.43	3/4	221.67	3/4		3/4		3/4	
7	2,338.58	7	1,980.55	7	1,622.52	7	1,264.49	7	906.69	7	549.00	7	215.17	7		7		7	
1/4	2,331.12	1/4	1,973.09	1/4	1,615.06	1/4	1,257.03	1/4	899.24	1/4	541.57	1/4	208.67	1/4		1/4		1/4	
1/2	2,323.66	1/2	1,965.63	1/2	1,607.60	1/2	1,249.57	1/2	891.80	1/2	534.20	1/2	202.25	1/2		1/2		1/2	
3/4	2,316.21	3/4	1,958.17	3/4	1,600.14	3/4	1,242.11	3/4	884.35	3/4	526.83	3/4	195.84	3/4		3/4		3/4	
8	2,308.75	8	1,950.71	8	1,592.68	8	1,234.65	8	876.91	8	519.47	8	189.42	8		8		8	
1/4	2,301.29	1/4	1,943.26	1/4	1,585.22	1/4	1,227.19	1/4	869.46	1/4	512.10	1/4	183.00	1/4		1/4		1/4	
1/2	2,293.83	1/2	1,935.80	1/2	1,577.76	1/2	1,219.73	1/2	862.02	1/2	504.81	1/2	176.66	1/2		1/2		1/2	
3/4	2,286.37	3/4	1,928.34	3/4	1,570.31	3/4	1,212.27	3/4	854.57	3/4	497.52	3/4	170.32	3/4		3/4		3/4	
9	2,278.91	9	1,920.88	9	1,562.85	9	1,204.81	9	847.13	9	490.23	9	163.97	9		9		9	
1/4	2,271.45	1/4	1,913.42	1/4	1,555.39	1/4	1,197.36	1/4	839.68	1/4	482.94	1/4	157.63	1/4		1/4		1/4	
1/2	2,263.99	1/2	1,905.96	1/2	1,547.93	1/2	1,189.90	1/2	832.24	1/2	475.72	1/2	151.36	1/2		1/2		1/2	
3/4	2,256.53	3/4	1,898.50	3/4	1,540.47	3/4	1,182.44	3/4	824.79	3/4	468.51	3/4	145.09	3/4		3/4		3/4	
10	2,249.07	10	1,891.04	10	1,533.01	10	1,174.98	10	817.34	10	461.29	10	138.82	10		10		10	
1/4	2,241.62	1/4	1,883.58	1/4	1,525.55	1/4	1,167.52	1/4	809.90	1/4	454.08	1/4	132.55	1/4		1/4		1/4	
1/2	2,234.16	1/2	1,876.12	1/2	1,518.09	1/2	1,160.06	1/2	802.45	1/2	446.95	1/2	126.36	1/2		1/2		1/2	
3/4	2,226.70	3/4	1,868.67	3/4	1,510.63	3/4	1,152.60	3/4	795.01	3/4	439.82	3/4	120.18	3/4		3/4		3/4	
11	2,219.24	11	1,861.21	11	1,503.17	11	1,145.14	11	787.56	11	432.68	11	113.99	11		11		11	
1/4	2,211.78	1/4	1,853.75	1/4	1,495.72	1/4	1,137.68	1/4	780.12	1/4	425.55	1/4	107.80	1/4		1/4		1/4	
1/2	2,204.32	1/2	1,846.29	1/2	1,488.26	1/2	1,130.22	1/2	772.67	1/2	418.50	1/2	101.69	1/2		1/2		1/2	
3/4	2,196.86	3/4	1,838.83	3/4	1,480.80	3/4	1,122.77	3/4	765.21	3/4	411.45	3/4	95.58	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/23/2015 PMA
RECALCULATED: 05/05/2020 SW
REPRINTED: 05/05/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HTCO 3139"

2 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,771.35	0	4,413.82	0	4,055.01	0	3,696.12	0	3,337.23	0	2,978.34
1/4		1/4		1/4		1/4		1/4	4,763.94	1/4	4,406.37	1/4	4,047.53	1/4	3,688.64	1/4	3,329.76	1/4	2,970.86
1/2		1/2		1/2		1/2		1/2	4,756.52	1/2	4,398.91	1/2	4,040.05	1/2	3,681.17	1/2	3,322.28	1/2	2,963.38
3/4		3/4		3/4		3/4		3/4	4,749.11	3/4	4,391.44	3/4	4,032.58	3/4	3,673.69	3/4	3,314.80	3/4	2,955.90
1		1		1		1		1	4,741.69	1	4,383.97	1	4,025.10	1	3,666.21	1	3,307.33	1	2,948.42
1/4		1/4		1/4		1/4		1/4	5,078.58	1/4	4,734.28	1/4	4,376.50	1/4	4,017.62	1/4	3,658.74	1/4	3,299.85
1/2		1/2		1/2		1/2		1/2	5,073.83	1/2	4,726.86	1/2	4,369.03	1/2	4,010.15	1/2	3,651.26	1/2	3,292.37
3/4		3/4		3/4		3/4		3/4	5,068.02	3/4	4,719.42	3/4	4,361.55	3/4	4,002.67	3/4	3,643.78	3/4	3,284.90
2		2		2		2		2	5,062.20	2	4,711.99	2	4,354.08	2	3,995.19	2	3,636.31	2	3,277.42
1/4		1/4		1/4		1/4		1/4	5,056.38	1/4	4,704.55	1/4	4,346.60	1/4	3,987.71	1/4	3,628.83	1/4	3,269.94
1/2		1/2		1/2		1/2		1/2	5,050.57	1/2	4,697.12	1/2	4,339.12	1/2	3,980.24	1/2	3,621.35	1/2	3,262.47
3/4		3/4		3/4		3/4		3/4	5,043.75	3/4	4,689.66	3/4	4,331.65	3/4	3,972.76	3/4	3,613.87	3/4	3,254.99
3		3		3		3		3	5,036.93	3	4,682.21	3	4,324.17	3	3,965.28	3	3,606.40	3	3,247.51
1/4		1/4		1/4		1/4		1/4	5,030.11	1/4	4,674.75	1/4	4,316.69	1/4	3,957.81	1/4	3,598.92	1/4	3,240.03
1/2		1/2		1/2		1/2		1/2	5,023.29	1/2	4,667.30	1/2	4,309.22	1/2	3,950.33	1/2	3,591.44	1/2	3,232.56
3/4		3/4		3/4		3/4		3/4	5,015.94	3/4	4,659.84	3/4	4,301.74	3/4	3,942.85	3/4	3,583.97	3/4	3,225.08
4		4		4		4		4	5,008.58	4	4,652.39	4	4,294.26	4	3,935.38	4	3,576.49	4	3,217.60
1/4		1/4		1/4		1/4		1/4	5,001.23	1/4	4,644.93	1/4	4,286.79	1/4	3,927.90	1/4	3,569.01	1/4	3,210.13
1/2		1/2		1/2		1/2		1/2	4,993.87	1/2	4,637.48	1/2	4,279.31	1/2	3,920.42	1/2	3,561.54	1/2	3,202.65
3/4		3/4		3/4		3/4		3/4	4,986.46	3/4	4,630.02	3/4	4,271.83	3/4	3,912.95	3/4	3,554.06	3/4	3,195.17
5		5		5		5		5	4,979.04	5	4,622.57	5	4,264.36	5	3,905.47	5	3,546.58	5	3,187.70
1/4		1/4		1/4		1/4		1/4	4,971.62	1/4	4,615.11	1/4	4,256.88	1/4	3,897.99	1/4	3,539.11	1/4	3,180.22
1/2		1/2		1/2		1/2		1/2	4,964.20	1/2	4,607.66	1/2	4,249.40	1/2	3,890.52	1/2	3,531.63	1/2	3,172.74
3/4		3/4		3/4		3/4		3/4	4,956.78	3/4	4,600.20	3/4	4,241.93	3/4	3,883.04	3/4	3,524.15	3/4	3,165.27
6		6		6		6		6	4,949.36	6	4,592.75	6	4,234.45	6	3,875.56	6	3,516.68	6	3,157.79
1/4		1/4		1/4		1/4		1/4	4,941.94	1/4	4,585.29	1/4	4,226.97	1/4	3,868.09	1/4	3,509.20	1/4	3,150.31
1/2		1/2		1/2		1/2		1/2	4,934.52	1/2	4,577.84	1/2	4,219.50	1/2	3,860.61	1/2	3,501.72	1/2	3,142.84
3/4		3/4		3/4		3/4		3/4	4,927.10	3/4	4,570.38	3/4	4,212.02	3/4	3,853.13	3/4	3,494.25	3/4	3,135.36
7		7		7		7		7	4,919.68	7	4,562.93	7	4,204.54	7	3,845.66	7	3,486.77	7	3,127.88
1/4		1/4		1/4		1/4		1/4	4,912.26	1/4	4,555.47	1/4	4,197.07	1/4	3,838.18	1/4	3,479.29	1/4	3,120.41
1/2		1/2		1/2		1/2		1/2	4,904.84	1/2	4,548.01	1/2	4,189.59	1/2	3,830.70	1/2	3,471.82	1/2	3,112.93
3/4		3/4		3/4		3/4		3/4	4,897.42	3/4	4,540.56	3/4	4,182.11	3/4	3,823.23	3/4	3,464.34	3/4	3,105.45
8		8		8		8		8	4,890.01	8	4,533.10	8	4,174.63	8	3,815.75	8	3,456.86	8	3,097.98
1/4		1/4		1/4		1/4		1/4	4,882.59	1/4	4,525.65	1/4	4,167.16	1/4	3,808.27	1/4	3,449.39	1/4	3,090.50
1/2		1/2		1/2		1/2		1/2	4,875.17	1/2	4,518.19	1/2	4,159.68	1/2	3,800.79	1/2	3,441.91	1/2	3,083.02
3/4		3/4		3/4		3/4		3/4	4,867.76	3/4	4,510.74	3/4	4,152.20	3/4	3,793.32	3/4	3,434.43	3/4	3,075.55
9		9		9		9		9	4,860.34	9	4,503.28	9	4,144.73	9	3,785.84	9	3,426.95	9	3,068.07
1/4		1/4		1/4		1/4		1/4	4,852.93	1/4	4,495.83	1/4	4,137.25	1/4	3,778.36	1/4	3,419.48	1/4	3,060.59
1/2		1/2		1/2		1/2		1/2	4,845.51	1/2	4,488.37	1/2	4,129.77	1/2	3,770.89	1/2	3,412.00	1/2	3,053.11
3/4		3/4		3/4		3/4		3/4	4,838.09	3/4	4,480.92	3/4	4,122.30	3/4	3,763.41	3/4	3,404.52	3/4	3,045.64
10		10		10		10		10	4,830.68	10	4,473.46	10	4,114.82	10	3,755.93	10	3,397.05	10	3,038.16
1/4		1/4		1/4		1/4		1/4	4,823.26	1/4	4,466.01	1/4	4,107.34	1/4	3,748.46	1/4	3,389.57	1/4	3,030.68
1/2		1/2		1/2		1/2		1/2	4,815.85	1/2	4,458.55	1/2	4,099.87	1/2	3,740.98	1/2	3,382.09	1/2	3,023.21
3/4		3/4		3/4		3/4		3/4	4,808.43	3/4	4,451.10	3/4	4,092.39	3/4	3,733.50	3/4	3,374.62	3/4	3,015.73
11		11		11		11		11	4,801.02	11	4,443.64	11	4,084.91	11	3,726.03	11	3,367.14	11	3,008.25
1/4		1/4		1/4		1/4		1/4	4,793.60	1/4	4,436.19	1/4	4,077.44	1/4	3,718.55	1/4	3,359.66	1/4	3,000.78
1/2		1/2		1/2		1/2		1/2	4,786.19	1/2	4,428.73	1/2	4,069.96	1/2	3,711.07	1/2	3,352.19	1/2	2,993.30
3/4		3/4		3/4		3/4		3/4	4,778.77	3/4	4,421.28	3/4	4,062.48	3/4	3,703.60	3/4	3,344.71	3/4	2,985.82

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" DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3139"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,619.26	0	2,260.18	0	1,901.10	0	1,542.01	0	1,183.21	0	837.89	0	479.13	0	120.05	0		0	
1/4	2,611.78	1/4	2,252.70	1/4	1,893.62	1/4	1,534.53	1/4	1,175.87	1/4	830.57	1/4	471.64	1/4	112.57	1/4		1/4	
1/2	2,604.30	1/2	2,245.22	1/2	1,886.14	1/2	1,527.05	1/2	1,168.53	1/2	823.24	1/2	464.16	1/2	105.09	1/2		1/2	
3/4	2,596.82	3/4	2,237.74	3/4	1,878.65	3/4	1,519.57	3/4	1,161.33	3/4	815.76	3/4	456.68	3/4	97.61	3/4		3/4	
1	2,589.34	1	2,230.26	1	1,871.17	1	1,512.09	1	1,154.14	1	808.28	1	449.20	1	90.13	1		1	
1/4	2,581.86	1/4	2,222.78	1/4	1,863.69	1/4	1,504.61	1/4	1,146.94	1/4	800.80	1/4	441.72	1/4	82.65	1/4		1/4	
1/2	2,574.38	1/2	2,215.29	1/2	1,856.21	1/2	1,497.13	1/2	1,139.74	1/2	793.31	1/2	434.24	1/2	75.17	1/2		1/2	
3/4	2,566.90	3/4	2,207.81	3/4	1,848.73	3/4	1,489.65	3/4	1,132.55	3/4	785.83	3/4	426.76	3/4	68.15	3/4		3/4	
2	2,559.42	2	2,200.33	2	1,841.25	2	1,482.17	2	1,125.36	2	778.35	2	419.28	2	61.14	2		2	
1/4	2,551.94	1/4	2,192.85	1/4	1,833.77	1/4	1,474.69	1/4	1,118.16	1/4	770.87	1/4	411.80	1/4	54.13	1/4		1/4	
1/2	2,544.45	1/2	2,185.37	1/2	1,826.29	1/2	1,467.20	1/2	1,110.97	1/2	763.39	1/2	404.32	1/2	47.12	1/2		1/2	
3/4	2,536.97	3/4	2,177.89	3/4	1,818.81	3/4	1,459.72	3/4	1,103.79	3/4	755.91	3/4	396.84	3/4	41.50	3/4		3/4	
3	2,529.49	3	2,170.41	3	1,811.33	3	1,452.24	3	1,096.60	3	748.43	3	389.36	3	35.89	3		3	
1/4	2,522.01	1/4	2,162.93	1/4	1,803.85	1/4	1,444.76	1/4	1,089.42	1/4	740.95	1/4	381.88	1/4	30.28	1/4		1/4	
1/2	2,514.53	1/2	2,155.45	1/2	1,796.36	1/2	1,437.28	1/2	1,082.24	1/2	733.47	1/2	374.40	1/2	24.67	1/2		1/2	
3/4	2,507.05	3/4	2,147.97	3/4	1,788.88	3/4	1,429.80	3/4	1,075.05	3/4	725.99	3/4	366.91	3/4	20.94	3/4		3/4	
4	2,499.57	4	2,140.49	4	1,781.40	4	1,422.32	4	1,067.87	4	718.51	4	359.43	4		4		4	
1/4	2,492.09	1/4	2,133.00	1/4	1,773.92	1/4	1,414.84	1/4	1,060.69	1/4	711.03	1/4	351.95	1/4		1/4		1/4	
1/2	2,484.61	1/2	2,125.52	1/2	1,766.44	1/2	1,407.36	1/2	1,053.51	1/2	703.55	1/2	344.47	1/2		1/2		1/2	
3/4	2,477.13	3/4	2,118.04	3/4	1,758.96	3/4	1,399.88	3/4	1,046.34	3/4	696.07	3/4	336.99	3/4		3/4		3/4	
5	2,469.65	5	2,110.56	5	1,751.48	5	1,392.40	5	1,039.16	5	688.58	5	329.51	5		5		5	
1/4	2,462.16	1/4	2,103.08	1/4	1,744.00	1/4	1,384.91	1/4	1,031.98	1/4	681.10	1/4	322.03	1/4		1/4		1/4	
1/2	2,454.68	1/2	2,095.60	1/2	1,736.52	1/2	1,377.43	1/2	1,024.80	1/2	673.62	1/2	314.55	1/2		1/2		1/2	
3/4	2,447.20	3/4	2,088.12	3/4	1,729.04	3/4	1,369.95	3/4	1,017.63	3/4	666.14	3/4	307.07	3/4		3/4		3/4	
6	2,439.72	6	2,080.64	6	1,721.56	6	1,362.47	6	1,010.45	6	658.66	6	299.59	6		6		6	
1/4	2,432.24	1/4	2,073.16	1/4	1,714.07	1/4	1,354.99	1/4	1,003.27	1/4	651.18	1/4	292.11	1/4		1/4		1/4	
1/2	2,424.76	1/2	2,065.68	1/2	1,706.59	1/2	1,347.51	1/2	996.10	1/2	643.70	1/2	284.63	1/2		1/2		1/2	
3/4	2,417.28	3/4	2,058.20	3/4	1,699.11	3/4	1,340.03	3/4	988.92	3/4	636.22	3/4	277.15	3/4		3/4		3/4	
7	2,409.80	7	2,050.71	7	1,691.63	7	1,332.55	7	981.74	7	628.74	7	269.67	7		7		7	
1/4	2,402.32	1/4	2,043.23	1/4	1,684.15	1/4	1,325.07	1/4	974.56	1/4	621.26	1/4	262.18	1/4		1/4		1/4	
1/2	2,394.84	1/2	2,035.75	1/2	1,676.67	1/2	1,317.59	1/2	967.39	1/2	613.78	1/2	254.70	1/2		1/2		1/2	
3/4	2,387.36	3/4	2,028.27	3/4	1,669.19	3/4	1,310.11	3/4	960.21	3/4	606.30	3/4	247.22	3/4		3/4		3/4	
8	2,379.87	8	2,020.79	8	1,661.71	8	1,302.62	8	953.03	8	598.82	8	239.74	8		8		8	
1/4	2,372.39	1/4	2,013.31	1/4	1,654.23	1/4	1,295.14	1/4	945.85	1/4	591.34	1/4	232.26	1/4		1/4		1/4	
1/2	2,364.91	1/2	2,005.83	1/2	1,646.75	1/2	1,287.66	1/2	938.68	1/2	583.86	1/2	224.78	1/2		1/2		1/2	
3/4	2,357.43	3/4	1,998.35	3/4	1,639.27	3/4	1,280.18	3/4	931.50	3/4	576.37	3/4	217.30	3/4		3/4		3/4	
9	2,349.95	9	1,990.87	9	1,631.78	9	1,272.70	9	924.32	9	568.89	9	209.82	9		9		9	
1/4	2,342.47	1/4	1,983.39	1/4	1,624.30	1/4	1,265.22	1/4	917.15	1/4	561.41	1/4	202.34	1/4		1/4		1/4	
1/2	2,334.99	1/2	1,975.91	1/2	1,616.82	1/2	1,257.74	1/2	909.97	1/2	553.93	1/2	194.86	1/2		1/2		1/2	
3/4	2,327.51	3/4	1,968.42	3/4	1,609.34	3/4	1,250.26	3/4	902.79	3/4	546.45	3/4	187.38	3/4		3/4		3/4	
10	2,320.03	10	1,960.94	10	1,601.86	10	1,242.78	10	895.61	10	538.97	10	179.90	10		10		10	
1/4	2,312.55	1/4	1,953.46	1/4	1,594.38	1/4	1,235.30	1/4	888.44	1/4	531.49	1/4	172.42	1/4		1/4		1/4	
1/2	2,305.07	1/2	1,945.98	1/2	1,586.90	1/2	1,227.82	1/2	881.26	1/2	524.01	1/2	164.94	1/2		1/2		1/2	
3/4	2,297.58	3/4	1,938.50	3/4	1,579.42	3/4	1,220.33	3/4	874.08	3/4	516.53	3/4	157.46	3/4		3/4		3/4	
11	2,290.10	11	1,931.02	11	1,571.94	11	1,212.85	11	866.91	11	509.05	11	149.97	11		11		11	
1/4	2,282.62	1/4	1,923.54	1/4	1,564.46	1/4	1,205.37	1/4	859.73	1/4	501.57	1/4	142.49	1/4		1/4		1/4	
1/2	2,275.14	1/2	1,916.06	1/2	1,556.98	1/2	1,197.89	1/2	852.55	1/2	494.09	1/2	135.01	1/2		1/2		1/2	
3/4	2,267.66	3/4	1,908.58	3/4	1,549.49	3/4	1,190.55	3/4	845.22	3/4	486.61	3/4	127.53	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/23/2015 PMA
RECALCULATED: 05/05/2020 SW
REPRINTED: 05/05/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

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BARGE "HTCO 3139"

3 PORT
ULLAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

Table with columns for gauge height (IN) and capacity (10 FT. to 19 FT.) for various tank levels (0 to 11).

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/23/2015 PMA
RECALCULATED: 05/05/2020 SW
REPRINTED: 05/05/2020 SW

CANCELS AND SUPERCEDES
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BARGE "HTCO 3139"

AFT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	449	0	898	0	1,347	0	1,795	0		0		0		0		0	
1/4	9	1/4	458	1/4	907	1/4	1,356	1/4	1,805	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	468	1/2	917	1/2	1,365	1/2	1,814	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	477	3/4	926	3/4	1,375	3/4	1,824	3/4		3/4		3/4		3/4		3/4	
1	37	1	486	1	935	1	1,384	1	1,833	1		1		1		1		1	
1/4	47	1/4	496	1/4	945	1/4	1,393	1/4	1,842	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	505	1/2	954	1/2	1,403	1/2	1,852	1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	514	3/4	963	3/4	1,412	3/4	1,861	3/4		3/4		3/4		3/4		3/4	
2	75	2	524	2	973	2	1,421	2	1,870	2		2		2		2		2	
1/4	84	1/4	533	1/4	982	1/4	1,431	1/4	1,880	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	542	1/2	991	1/2	1,440	1/2	1,889	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	552	3/4	1,001	3/4	1,450	3/4	1,898	3/4		3/4		3/4		3/4		3/4	
3	112	3	561	3	1,010	3	1,459	3	1,908	3		3		3		3		3	
1/4	122	1/4	571	1/4	1,019	1/4	1,468	1/4	1,917	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	580	1/2	1,029	1/2	1,478	1/2	1,926	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	589	3/4	1,038	3/4	1,487	3/4	1,936	3/4		3/4		3/4		3/4		3/4	
4	150	4	599	4	1,047	4	1,496	4	1,945	4		4		4		4		4	
1/4	159	1/4	608	1/4	1,057	1/4	1,506	1/4	1,954	1/4		1/4		1/4		1/4		1/4	
1/2	168	1/2	617	1/2	1,066	1/2	1,515	1/2	1,964	1/2		1/2		1/2		1/2		1/2	
3/4	178	3/4	627	3/4	1,075	3/4	1,524	3/4	1,973	3/4		3/4		3/4		3/4		3/4	
5	187	5	636	5	1,085	5	1,534	5	1,982	5		5		5		5		5	
1/4	197	1/4	645	1/4	1,094	1/4	1,543	1/4	1,992	1/4		1/4		1/4		1/4		1/4	
1/2	206	1/2	655	1/2	1,104	1/2	1,552	1/2	2,001	1/2		1/2		1/2		1/2		1/2	
3/4	215	3/4	664	3/4	1,113	3/4	1,562	3/4	2,011	3/4		3/4		3/4		3/4		3/4	
6	225	6	673	6	1,122	6	1,571	6	2,020	6		6		6		6		6	
1/4	234	1/4	683	1/4	1,132	1/4	1,580	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	243	1/2	692	1/2	1,141	1/2	1,590	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	253	3/4	701	3/4	1,150	3/4	1,599	3/4	=====	3/4		3/4		3/4		3/4		3/4	
7	262	7	711	7	1,160	7	1,608	7	=====	7		7		7		7		7	
1/4	271	1/4	720	1/4	1,169	1/4	1,618	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	730	1/2	1,178	1/2	1,627	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	739	3/4	1,188	3/4	1,637	3/4	=====	3/4		3/4		3/4		3/4		3/4	
8	299	8	748	8	1,197	8	1,646	8	=====	8		8		8		8		8	
1/4	309	1/4	758	1/4	1,206	1/4	1,655	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	318	1/2	767	1/2	1,216	1/2	1,665	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	327	3/4	776	3/4	1,225	3/4	1,674	3/4	=====	3/4		3/4		3/4		3/4		3/4	
9	337	9	786	9	1,234	9	1,683	9	=====	9		9		9		9		9	
1/4	346	1/4	795	1/4	1,244	1/4	1,693	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	355	1/2	804	1/2	1,253	1/2	1,702	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	365	3/4	814	3/4	1,262	3/4	1,711	3/4	=====	3/4		3/4		3/4		3/4		3/4	
10	374	10	823	10	1,272	10	1,721	10	=====	10		10		10		10		10	
1/4	384	1/4	832	1/4	1,281	1/4	1,730	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	842	1/2	1,291	1/2	1,739	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	402	3/4	851	3/4	1,300	3/4	1,749	3/4	=====	3/4		3/4		3/4		3/4		3/4	
11	412	11	860	11	1,309	11	1,758	11	=====	11		11		11		11		11	
1/4	421	1/4	870	1/4	1,319	1/4	1,767	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	430	1/2	879	1/2	1,328	1/2	1,777	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	888	3/4	1,337	3/4	1,786	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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 05/04/2015 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "HTCO 3139"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 3'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	120	0	298	0	456	0		0		0		0		0		0	
1/4	1	1/4	123	1/4	302	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2	1/2	127	1/2	305	1/2	461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3	3/4	130	3/4	309	3/4	463	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	134	1	313	1	466	1		1		1		1		1		1	
1/4	5	1/4	137	1/4	316	1/4	468	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	6	1/2	141	1/2	320	1/2	470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	8	3/4	144	3/4	324	3/4	472	3/4		3/4		3/4		3/4		3/4		3/4	
2	9	2	148	2	327	2	475	2		2		2		2		2		2	
1/4	11	1/4	152	1/4	331	1/4	477	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	13	1/2	155	1/2	335	1/2	478	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	15	3/4	159	3/4	338	3/4	480	3/4		3/4		3/4		3/4		3/4		3/4	
3	16	3	162	3	342	3	482	3		3		3		3		3		3	
1/4	19	1/4	166	1/4	346	1/4	484	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	170	1/2	349	1/2	485	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	23	3/4	173	3/4	353	3/4	487	3/4		3/4		3/4		3/4		3/4		3/4	
4	25	4	177	4	356	4	488	4		4		4		4		4		4	
1/4	27	1/4	181	1/4	360	1/4	489	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	30	1/2	185	1/2	363	1/2	490	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	32	3/4	188	3/4	367	3/4	491	3/4		3/4		3/4		3/4		3/4		3/4	
5	35	5	192	5	370	5	492	5		5		5		5		5		5	
1/4	37	1/4	196	1/4	374	1/4	493	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40	1/2	200	1/2	377	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	42	3/4	203	3/4	381	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	45	6	207	6	384	6		6		6		6		6		6		6	
1/4	48	1/4	211	1/4	387	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	215	1/2	391	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	218	3/4	394	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	56	7	222	7	397	7		7		7		7		7		7		7	
1/4	59	1/4	226	1/4	401	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	230	1/2	404	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	234	3/4	407	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	68	8	237	8	410	8		8		8		8		8		8		8	
1/4	71	1/4	241	1/4	413	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	74	1/2	245	1/2	416	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	77	3/4	249	3/4	420	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	80	9	252	9	423	9		9		9		9		9		9		9	
1/4	83	1/4	256	1/4	426	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	87	1/2	260	1/2	429	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	90	3/4	264	3/4	432	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	93	10	268	10	434	10		10		10		10		10		10		10	
1/4	96	1/4	271	1/4	437	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	100	1/2	275	1/2	440	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	279	3/4	443	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	106	11	283	11	446	11		11		11		11		11		11		11	
1/4	110	1/4	287	1/4	448	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113	1/2	290	1/2	451	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116	3/4	294	3/4	454	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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

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BARGE "HTCO 3139"

FWD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	449	0	898	0	1,347	0	1,795	0		0		0		0		0	
1/4	9	1/4	458	1/4	907	1/4	1,356	1/4	1,805	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	468	1/2	917	1/2	1,365	1/2	1,814	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	477	3/4	926	3/4	1,375	3/4	1,824	3/4		3/4		3/4		3/4		3/4	
1	37	1	486	1	935	1	1,384	1	1,833	1		1		1		1		1	
1/4	47	1/4	496	1/4	945	1/4	1,393	1/4	1,842	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	505	1/2	954	1/2	1,403	1/2	1,852	1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	514	3/4	963	3/4	1,412	3/4	1,861	3/4		3/4		3/4		3/4		3/4	
2	75	2	524	2	973	2	1,421	2	1,870	2		2		2		2		2	
1/4	84	1/4	533	1/4	982	1/4	1,431	1/4	1,880	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	542	1/2	991	1/2	1,440	1/2	1,889	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	552	3/4	1,001	3/4	1,450	3/4	1,898	3/4		3/4		3/4		3/4		3/4	
3	112	3	561	3	1,010	3	1,459	3	1,908	3		3		3		3		3	
1/4	122	1/4	571	1/4	1,019	1/4	1,468	1/4	1,917	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	580	1/2	1,029	1/2	1,478	1/2	1,926	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	589	3/4	1,038	3/4	1,487	3/4	1,936	3/4		3/4		3/4		3/4		3/4	
4	150	4	599	4	1,047	4	1,496	4	1,945	4		4		4		4		4	
1/4	159	1/4	608	1/4	1,057	1/4	1,506	1/4	1,954	1/4		1/4		1/4		1/4		1/4	
1/2	168	1/2	617	1/2	1,066	1/2	1,515	1/2	1,964	1/2		1/2		1/2		1/2		1/2	
3/4	178	3/4	627	3/4	1,075	3/4	1,524	3/4	1,973	3/4		3/4		3/4		3/4		3/4	
5	187	5	636	5	1,085	5	1,534	5	1,982	5		5		5		5		5	
1/4	197	1/4	645	1/4	1,094	1/4	1,543	1/4	1,992	1/4		1/4		1/4		1/4		1/4	
1/2	206	1/2	655	1/2	1,104	1/2	1,552	1/2	2,001	1/2		1/2		1/2		1/2		1/2	
3/4	215	3/4	664	3/4	1,113	3/4	1,562	3/4	2,011	3/4		3/4		3/4		3/4		3/4	
6	225	6	673	6	1,122	6	1,571	6	2,020	6		6		6		6		6	
1/4	234	1/4	683	1/4	1,132	1/4	1,580	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	243	1/2	692	1/2	1,141	1/2	1,590	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	253	3/4	701	3/4	1,150	3/4	1,599	3/4	=====	3/4		3/4		3/4		3/4		3/4	
7	262	7	711	7	1,160	7	1,608	7	=====	7		7		7		7		7	
1/4	271	1/4	720	1/4	1,169	1/4	1,618	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	730	1/2	1,178	1/2	1,627	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	739	3/4	1,188	3/4	1,637	3/4	=====	3/4		3/4		3/4		3/4		3/4	
8	299	8	748	8	1,197	8	1,646	8	=====	8		8		8		8		8	
1/4	309	1/4	758	1/4	1,206	1/4	1,655	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	318	1/2	767	1/2	1,216	1/2	1,665	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	327	3/4	776	3/4	1,225	3/4	1,674	3/4	=====	3/4		3/4		3/4		3/4		3/4	
9	337	9	786	9	1,234	9	1,683	9	=====	9		9		9		9		9	
1/4	346	1/4	795	1/4	1,244	1/4	1,693	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	355	1/2	804	1/2	1,253	1/2	1,702	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	365	3/4	814	3/4	1,262	3/4	1,711	3/4	=====	3/4		3/4		3/4		3/4		3/4	
10	374	10	823	10	1,272	10	1,721	10	=====	10		10		10		10		10	
1/4	384	1/4	832	1/4	1,281	1/4	1,730	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	842	1/2	1,291	1/2	1,739	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	402	3/4	851	3/4	1,300	3/4	1,749	3/4	=====	3/4		3/4		3/4		3/4		3/4	
11	412	11	860	11	1,309	11	1,758	11	=====	11		11		11		11		11	
1/4	421	1/4	870	1/4	1,319	1/4	1,767	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	430	1/2	879	1/2	1,328	1/2	1,777	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	888	3/4	1,337	3/4	1,786	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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

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BARGE "HTCO 3139"

FWD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	1,627	0	1,178	0	730	0	281	0		0		0		0	
1/4		1/4		1/4	1,618	1/4	1,169	1/4	720	1/4	271	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,609	1/2	1,160	1/2	711	1/2	262	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,599	3/4	1,150	3/4	702	3/4	253	3/4		3/4		3/4		3/4	
1		1		1	1,590	1	1,141	1	692	1	243	1		1		1		1	
1/4		1/4		1/4	1,581	1/4	1,132	1/4	683	1/4	234	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	2,020	1/2	1,122	1/2	673	1/2	225	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	2,011	3/4	1,113	3/4	664	3/4	215	3/4		3/4		3/4		3/4	
2		2		2	2,001	2	1,104	2	655	2	206	2		2		2		2	
1/4		1/4		1/4	1,992	1/4	1,543	1/4	645	1/4	197	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,983	1/2	1,534	1/2	636	1/2	187	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,973	3/4	1,524	3/4	627	3/4	178	3/4		3/4		3/4		3/4	
3		3		3	1,964	3	1,515	3	617	3	169	3		3		3		3	
1/4		1/4		1/4	1,955	1/4	1,506	1/4	608	1/4	159	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,945	1/2	1,496	1/2	608	1/2	150	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,936	3/4	1,487	3/4	599	3/4	140	3/4		3/4		3/4		3/4	
4		4		4	1,926	4	1,478	4	580	4	131	4		4		4		4	
1/4		1/4		1/4	1,917	1/4	1,468	1/4	571	1/4	122	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,908	1/2	1,459	1/2	561	1/2	112	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,898	3/4	1,450	3/4	552	3/4	103	3/4		3/4		3/4		3/4	
5		5		5	1,889	5	1,440	5	543	5	94	5		5		5		5	
1/4		1/4		1/4	1,880	1/4	1,431	1/4	533	1/4	84	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,870	1/2	1,422	1/2	524	1/2	75	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,861	3/4	1,412	3/4	515	3/4	66	3/4		3/4		3/4		3/4	
6		6		6	1,852	6	1,403	6	505	6	56	6		6		6		6	
1/4		1/4		1/4	1,842	1/4	1,394	1/4	496	1/4	47	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,833	1/2	1,384	1/2	486	1/2	38	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,824	3/4	1,375	3/4	477	3/4	28	3/4		3/4		3/4		3/4	
7		7		7	1,814	7	1,365	7	468	7	19	7		7		7		7	
1/4		1/4		1/4	1,805	1/4	1,356	1/4	458	1/4	9	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,796	1/2	1,347	1/2	449	1/2	0	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,786	3/4	1,337	3/4	440	3/4		3/4		3/4		3/4		3/4	
8		8		8	1,777	8	1,328	8	430	8		8		8		8		8	
1/4		1/4		1/4	1,768	1/4	1,319	1/4	421	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,758	1/2	1,309	1/2	412	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,749	3/4	1,300	3/4	402	3/4		3/4		3/4		3/4		3/4	
9		9		9	1,739	9	1,291	9	393	9		9		9		9		9	
1/4		1/4		1/4	1,730	1/4	1,281	1/4	384	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,721	1/2	1,272	1/2	374	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,711	3/4	1,263	3/4	365	3/4		3/4		3/4		3/4		3/4	
10		10		10	1,702	10	1,253	10	356	10		10		10		10		10	
1/4		1/4		1/4	1,693	1/4	1,244	1/4	346	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,683	1/2	1,235	1/2	337	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,674	3/4	1,225	3/4	328	3/4		3/4		3/4		3/4		3/4	
11		11		11	1,665	11	1,216	11	318	11		11		11		11		11	
1/4		1/4		1/4	1,655	1/4	1,206	1/4	309	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,646	1/2	1,197	1/2	299	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,637	3/4	1,188	3/4	290	3/4		3/4		3/4		3/4		3/4	

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