



# BARGE "HTCO 3121"

ULLAGE (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	00-1/4	- 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	01-1/8	- 01-1/8
1 STBD	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	01-1/8	- 01-1/8
2 PORT	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8
2 STBD	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8
3 PORT	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8
3 STBD	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-3/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 237'-09"

April 1, 2024

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

<http://www.pmacorp.net>



# BARGE "HTCO 3121"

## 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	4,700.73	0	4,344.11	0	3,986.21	0	3,628.24	0	3,270.27	0	2,912.28
1/4		1/4		1/4		1/4		1/4	4,693.33	1/4	4,336.68	1/4	3,978.76	1/4	3,620.78	1/4	3,262.81	1/4	2,904.82
1/2		1/2		1/2		1/2		1/2	4,685.93	1/2	4,329.24	1/2	3,971.30	1/2	3,613.32	1/2	3,255.35	1/2	2,897.35
3/4		3/4		3/4		3/4		3/4	4,678.54	3/4	4,321.79	3/4	3,963.84	3/4	3,605.87	3/4	3,247.89	3/4	2,889.89
1		1		1		1		1	4,671.14	1	4,314.34	1	3,956.38	1	3,598.41	1	3,240.43	1	2,882.43
1/4		1/4		1/4		1/4	5,007.16	1/4	4,663.74	1/4	4,306.89	1/4	3,948.93	1/4	3,590.95	1/4	3,232.98	1/4	2,874.97
1/2		1/2		1/2		1/2	5,002.42	1/2	4,656.35	1/2	4,299.44	1/2	3,941.47	1/2	3,583.49	1/2	3,225.52	1/2	2,867.50
3/4		3/4		3/4		3/4	4,996.62	3/4	4,648.93	3/4	4,291.98	3/4	3,934.01	3/4	3,576.04	3/4	3,218.06	3/4	2,860.04
2		2		2		2	4,990.82	2	4,641.52	2	4,284.53	2	3,926.55	2	3,568.58	2	3,210.60	2	2,852.58
1/4		1/4		1/4		1/4	4,985.02	1/4	4,634.10	1/4	4,277.07	1/4	3,919.09	1/4	3,561.12	1/4	3,203.15	1/4	2,845.12
1/2		1/2		1/2		1/2	4,979.22	1/2	4,626.68	1/2	4,269.61	1/2	3,911.64	1/2	3,553.66	1/2	3,195.69	1/2	2,837.66
3/4		3/4		3/4		3/4	4,972.42	3/4	4,619.25	3/4	4,262.15	3/4	3,904.18	3/4	3,546.20	3/4	3,188.23	3/4	2,830.19
3		3		3		3	4,965.62	3	4,611.81	3	4,254.70	3	3,896.72	3	3,538.75	3	3,180.77	3	2,822.73
1/4		1/4		1/4		1/4	4,958.81	1/4	4,604.38	1/4	4,247.24	1/4	3,889.26	1/4	3,531.29	1/4	3,173.31	1/4	2,815.27
1/2		1/2		1/2		1/2	4,952.01	1/2	4,596.94	1/2	4,239.78	1/2	3,881.81	1/2	3,523.83	1/2	3,165.86	1/2	2,807.81
3/4		3/4		3/4		3/4	4,944.68	3/4	4,589.50	3/4	4,232.32	3/4	3,874.35	3/4	3,516.37	3/4	3,158.40	3/4	2,800.35
4		4		4		4	4,937.34	4	4,582.07	4	4,224.86	4	3,866.89	4	3,508.92	4	3,150.94	4	2,792.89
1/4		1/4		1/4		1/4	4,930.01	1/4	4,574.63	1/4	4,217.41	1/4	3,859.43	1/4	3,501.46	1/4	3,143.48	1/4	2,785.42
1/2		1/2		1/2		1/2	4,922.67	1/2	4,567.19	1/2	4,209.95	1/2	3,851.97	1/2	3,494.00	1/2	3,136.03	1/2	2,777.96
3/4		3/4		3/4		3/4	4,915.27	3/4	4,559.76	3/4	4,202.49	3/4	3,844.52	3/4	3,486.54	3/4	3,128.57	3/4	2,770.50
5		5		5		5	4,907.87	5	4,552.32	5	4,195.03	5	3,837.06	5	3,479.08	5	3,121.11	5	2,763.04
1/4		1/4		1/4		1/4	4,900.47	1/4	4,544.89	1/4	4,187.58	1/4	3,829.60	1/4	3,471.63	1/4	3,113.65	1/4	2,755.58
1/2		1/2		1/2		1/2	4,893.07	1/2	4,537.45	1/2	4,180.12	1/2	3,822.14	1/2	3,464.17	1/2	3,106.19	1/2	2,748.11
3/4		3/4		3/4		3/4	4,885.67	3/4	4,530.01	3/4	4,172.66	3/4	3,814.69	3/4	3,456.71	3/4	3,098.74	3/4	2,740.65
6		6		6		6	4,878.27	6	4,522.58	6	4,165.20	6	3,807.23	6	3,449.25	6	3,091.28	6	2,733.19
1/4		1/4		1/4		1/4	4,870.87	1/4	4,515.14	1/4	4,157.74	1/4	3,799.77	1/4	3,441.80	1/4	3,083.82	1/4	2,725.73
1/2		1/2		1/2		1/2	4,863.47	1/2	4,507.71	1/2	4,150.29	1/2	3,792.31	1/2	3,434.34	1/2	3,076.36	1/2	2,718.27
3/4		3/4		3/4		3/4	4,856.07	3/4	4,500.27	3/4	4,142.83	3/4	3,784.85	3/4	3,426.88	3/4	3,068.91	3/4	2,710.81
7		7		7		7	4,848.67	7	4,492.83	7	4,135.37	7	3,777.40	7	3,419.42	7	3,061.45	7	2,703.34
1/4		1/4		1/4		1/4	4,841.27	1/4	4,485.40	1/4	4,127.91	1/4	3,769.94	1/4	3,411.96	1/4	3,053.99	1/4	2,695.88
1/2		1/2		1/2		1/2	4,833.87	1/2	4,477.96	1/2	4,120.46	1/2	3,762.48	1/2	3,404.51	1/2	3,046.53	1/2	2,688.42
3/4		3/4		3/4		3/4	4,826.47	3/4	4,470.53	3/4	4,113.00	3/4	3,755.02	3/4	3,397.05	3/4	3,039.07	3/4	2,680.96
8		8		8		8	4,819.07	8	4,463.09	8	4,105.54	8	3,747.57	8	3,389.59	8	3,031.62	8	2,673.50
1/4		1/4		1/4		1/4	4,811.67	1/4	4,455.65	1/4	4,098.08	1/4	3,740.11	1/4	3,382.13	1/4	3,024.16	1/4	2,666.04
1/2		1/2		1/2		1/2	4,804.27	1/2	4,448.22	1/2	4,090.62	1/2	3,732.65	1/2	3,374.68	1/2	3,016.70	1/2	2,658.57
3/4		3/4		3/4		3/4	4,796.88	3/4	4,440.78	3/4	4,083.17	3/4	3,725.19	3/4	3,367.22	3/4	3,009.24	3/4	2,651.11
9		9		9		9	4,789.48	9	4,433.35	9	4,075.71	9	3,717.73	9	3,359.76	9	3,001.79	9	2,643.65
1/4		1/4		1/4		1/4	4,782.09	1/4	4,425.91	1/4	4,068.25	1/4	3,710.28	1/4	3,352.30	1/4	2,994.33	1/4	2,636.19
1/2		1/2		1/2		1/2	4,774.69	1/2	4,418.47	1/2	4,060.79	1/2	3,702.82	1/2	3,344.84	1/2	2,986.87	1/2	2,628.73
3/4		3/4		3/4		3/4	4,767.29	3/4	4,411.04	3/4	4,053.34	3/4	3,695.36	3/4	3,337.39	3/4	2,979.41	3/4	2,621.26
10		10		10		10	4,759.90	10	4,403.60	10	4,045.88	10	3,687.90	10	3,329.93	10	2,971.95	10	2,613.80
1/4		1/4		1/4		1/4	4,752.50	1/4	4,396.16	1/4	4,038.42	1/4	3,680.45	1/4	3,322.47	1/4	2,964.50	1/4	2,606.34
1/2		1/2		1/2		1/2	4,745.10	1/2	4,388.73	1/2	4,030.96	1/2	3,672.99	1/2	3,315.01	1/2	2,957.04	1/2	2,598.88
3/4		3/4		3/4		3/4	4,737.71	3/4	4,381.29	3/4	4,023.50	3/4	3,665.53	3/4	3,307.56	3/4	2,949.58	3/4	2,591.42
11		11		11		11	4,730.31	11	4,373.86	11	4,016.05	11	3,658.07	11	3,300.10	11	2,942.12	11	2,583.96
1/4		1/4		1/4		1/4	4,722.92	1/4	4,366.42	1/4	4,008.59	1/4	3,650.61	1/4	3,292.64	1/4	2,934.67	1/4	2,576.49
1/2		1/2		1/2		1/2	4,715.52	1/2	4,358.98	1/2	4,001.13	1/2	3,643.16	1/2	3,285.18	1/2	2,927.21	1/2	2,569.03
3/4		3/4		3/4		3/4	4,708.12	3/4	4,351.55	3/4	3,993.67	3/4	3,635.70	3/4	3,277.72	3/4	2,919.74	3/4	2,561.57

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 46'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
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# BARGE "HTCO 3121"

## 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	2,554.11	0	2,195.94	0	1,837.78	0	1,479.61	0	1,121.47	0	765.44	0	411.52	0	95.58	0		0	
1/4	2,546.65	1/4	2,188.48	1/4	1,830.31	1/4	1,472.15	1/4	1,114.02	1/4	758.00	1/4	404.47	1/4	89.47	1/4		1/4	
1/2	2,539.18	1/2	2,181.02	1/2	1,822.85	1/2	1,464.69	1/2	1,106.58	1/2	750.57	1/2	397.41	1/2	83.37	1/2		1/2	
3/4	2,531.72	3/4	2,173.56	3/4	1,815.39	3/4	1,457.22	3/4	1,099.15	3/4	743.10	3/4	390.44	3/4	77.34	3/4		3/4	
1	2,524.26	1	2,166.09	1	1,807.93	1	1,449.76	1	1,091.71	1	735.64	1	383.47	1	71.31	1		1	
1/4	2,516.80	1/4	2,158.63	1/4	1,800.47	1/4	1,442.30	1/4	1,084.28	1/4	728.18	1/4	376.50	1/4	65.28	1/4		1/4	
1/2	2,509.34	1/2	2,151.17	1/2	1,793.00	1/2	1,434.84	1/2	1,076.85	1/2	720.72	1/2	369.53	1/2	59.25	1/2		1/2	
3/4	2,501.88	3/4	2,143.71	3/4	1,785.54	3/4	1,427.38	3/4	1,069.42	3/4	713.26	3/4	362.63	3/4	53.77	3/4		3/4	
2	2,494.41	2	2,136.25	2	1,778.08	2	1,419.91	2	1,062.00	2	705.80	2	355.73	2	48.29	2		2	
1/4	2,486.95	1/4	2,128.79	1/4	1,770.62	1/4	1,412.45	1/4	1,054.57	1/4	698.33	1/4	348.83	1/4	42.81	1/4		1/4	
1/2	2,479.49	1/2	2,121.32	1/2	1,763.16	1/2	1,404.99	1/2	1,047.15	1/2	690.87	1/2	341.94	1/2	37.33	1/2		1/2	
3/4	2,472.03	3/4	2,113.86	3/4	1,755.70	3/4	1,397.53	3/4	1,039.73	3/4	683.41	3/4	335.11	3/4	33.33	3/4		3/4	
3	2,464.57	3	2,106.40	3	1,748.23	3	1,390.07	3	1,032.31	3	675.95	3	328.29	3	29.33	3		3	
1/4	2,457.10	1/4	2,098.94	1/4	1,740.77	1/4	1,382.61	1/4	1,024.89	1/4	668.49	1/4	321.47	1/4	25.34	1/4		1/4	
1/2	2,449.64	1/2	2,091.48	1/2	1,733.31	1/2	1,375.14	1/2	1,017.47	1/2	661.03	1/2	314.64	1/2	21.34	1/2		1/2	
3/4	2,442.18	3/4	2,084.01	3/4	1,725.85	3/4	1,367.68	3/4	1,010.06	3/4	653.56	3/4	307.90	3/4	18.43	3/4		3/4	
4	2,434.72	4	2,076.55	4	1,718.39	4	1,360.22	4	1,002.65	4	646.10	4	301.15	4		4		4	
1/4	2,427.26	1/4	2,069.09	1/4	1,710.92	1/4	1,352.76	1/4	995.23	1/4	638.64	1/4	294.41	1/4		1/4		1/4	
1/2	2,419.80	1/2	2,061.63	1/2	1,703.46	1/2	1,345.30	1/2	987.82	1/2	631.18	1/2	287.67	1/2		1/2		1/2	
3/4	2,412.33	3/4	2,054.17	3/4	1,696.00	3/4	1,337.83	3/4	980.41	3/4	623.72	3/4	281.00	3/4		3/4		3/4	
5	2,404.87	5	2,046.71	5	1,688.54	5	1,330.37	5	972.99	5	616.26	5	274.34	5		5		5	
1/4	2,397.41	1/4	2,039.24	1/4	1,681.08	1/4	1,322.91	1/4	965.58	1/4	608.79	1/4	267.68	1/4		1/4		1/4	
1/2	2,389.95	1/2	2,031.78	1/2	1,673.62	1/2	1,315.45	1/2	958.17	1/2	601.33	1/2	261.02	1/2		1/2		1/2	
3/4	2,382.49	3/4	2,024.32	3/4	1,666.15	3/4	1,307.99	3/4	950.76	3/4	593.87	3/4	254.43	3/4		3/4		3/4	
6	2,375.02	6	2,016.86	6	1,658.69	6	1,300.53	6	943.35	6	586.41	6	247.85	6		6		6	
1/4	2,367.56	1/4	2,009.40	1/4	1,651.23	1/4	1,293.06	1/4	935.94	1/4	578.95	1/4	241.27	1/4		1/4		1/4	
1/2	2,360.10	1/2	2,001.93	1/2	1,643.77	1/2	1,285.60	1/2	928.53	1/2	571.49	1/2	234.69	1/2		1/2		1/2	
3/4	2,352.64	3/4	1,994.47	3/4	1,636.31	3/4	1,278.14	3/4	921.12	3/4	564.05	3/4	228.19	3/4		3/4		3/4	
7	2,345.18	7	1,987.01	7	1,628.84	7	1,270.68	7	913.71	7	556.61	7	221.69	7		7		7	
1/4	2,337.72	1/4	1,979.55	1/4	1,621.38	1/4	1,263.22	1/4	906.30	1/4	549.17	1/4	215.19	1/4		1/4		1/4	
1/2	2,330.25	1/2	1,972.09	1/2	1,613.92	1/2	1,255.75	1/2	898.89	1/2	541.73	1/2	208.69	1/2		1/2		1/2	
3/4	2,322.79	3/4	1,964.63	3/4	1,606.46	3/4	1,248.29	3/4	891.47	3/4	534.35	3/4	202.27	3/4		3/4		3/4	
8	2,315.33	8	1,957.16	8	1,599.00	8	1,240.83	8	884.06	8	526.97	8	195.85	8		8		8	
1/4	2,307.87	1/4	1,949.70	1/4	1,591.54	1/4	1,233.37	1/4	876.65	1/4	519.60	1/4	189.44	1/4		1/4		1/4	
1/2	2,300.41	1/2	1,942.24	1/2	1,584.07	1/2	1,225.91	1/2	869.24	1/2	512.22	1/2	183.02	1/2		1/2		1/2	
3/4	2,292.95	3/4	1,934.78	3/4	1,576.61	3/4	1,218.45	3/4	861.83	3/4	504.92	3/4	176.67	3/4		3/4		3/4	
9	2,285.48	9	1,927.32	9	1,569.15	9	1,210.98	9	854.42	9	497.63	9	170.33	9		9		9	
1/4	2,278.02	1/4	1,919.86	1/4	1,561.69	1/4	1,203.52	1/4	847.01	1/4	490.33	1/4	163.99	1/4		1/4		1/4	
1/2	2,270.56	1/2	1,912.39	1/2	1,554.23	1/2	1,196.06	1/2	839.60	1/2	483.03	1/2	157.64	1/2		1/2		1/2	
3/4	2,263.10	3/4	1,904.93	3/4	1,546.77	3/4	1,188.60	3/4	832.19	3/4	475.82	3/4	151.37	3/4		3/4		3/4	
10	2,255.64	10	1,897.47	10	1,539.30	10	1,181.14	10	824.78	10	468.60	10	145.10	10		10		10	
1/4	2,248.17	1/4	1,890.01	1/4	1,531.84	1/4	1,173.68	1/4	817.37	1/4	461.38	1/4	138.83	1/4		1/4		1/4	
1/2	2,240.71	1/2	1,882.55	1/2	1,524.38	1/2	1,166.21	1/2	809.95	1/2	454.17	1/2	132.56	1/2		1/2		1/2	
3/4	2,233.25	3/4	1,875.08	3/4	1,516.92	3/4	1,158.75	3/4	802.54	3/4	447.03	3/4	126.37	3/4		3/4		3/4	
11	2,225.79	11	1,867.62	11	1,509.46	11	1,151.29	11	795.13	11	439.90	11	120.18	11		11		11	
1/4	2,218.33	1/4	1,860.16	1/4	1,501.99	1/4	1,143.83	1/4	787.72	1/4	432.76	1/4	113.99	1/4		1/4		1/4	
1/2	2,210.87	1/2	1,852.70	1/2	1,494.53	1/2	1,136.37	1/2	780.31	1/2	425.63	1/2	107.80	1/2		1/2		1/2	
3/4	2,203.40	3/4	1,845.24	3/4	1,487.07	3/4	1,128.92	3/4	772.87	3/4	418.57	3/4	101.69	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/23/2014 PMA  
RECALCULATED: 03/16/2019 CL  
VERIFIED: 04/01/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

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



# BARGE "HTCO 3121"

**1 STBD**  
**ULLAGE TABLE**

**HERMETIC**

**GAUGE HEIGHT 17'-03 1/2"**

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	4,696.14	0	4,339.41	0	3,981.41	0	3,623.35	0	3,265.30	0	2,907.24
1/4		1/4		1/4		1/4		1/4	4,688.74	1/4	4,331.97	1/4	3,973.95	1/4	3,615.89	1/4	3,257.84	1/4	2,899.79
1/2		1/2		1/2		1/2		1/2	4,681.35	1/2	4,324.52	1/2	3,966.49	1/2	3,608.43	1/2	3,250.38	1/2	2,892.32
3/4		3/4		3/4		3/4		3/4	4,673.95	3/4	4,317.07	3/4	3,959.03	3/4	3,600.98	3/4	3,242.92	3/4	2,884.86
1		1		1		1	5,010.03	1	4,666.55	1	4,309.62	1	3,951.57	1	3,593.52	1	3,235.46	1	2,877.40
1/4		1/4		1/4		1/4	5,005.29	1/4	4,659.15	1/4	4,302.17	1/4	3,944.11	1/4	3,586.06	1/4	3,228.00	1/4	2,869.93
1/2		1/2		1/2		1/2	4,999.49	1/2	4,651.73	1/2	4,294.71	1/2	3,936.65	1/2	3,578.60	1/2	3,220.54	1/2	2,862.47
3/4		3/4		3/4		3/4	4,993.69	3/4	4,644.32	3/4	4,287.25	3/4	3,929.19	3/4	3,571.14	3/4	3,213.08	3/4	2,855.00
2		2		2		2	4,987.89	2	4,636.90	2	4,279.79	2	3,921.73	2	3,563.68	2	3,205.62	2	2,847.54
1/4		1/4		1/4		1/4	4,982.08	1/4	4,629.48	1/4	4,272.33	1/4	3,914.27	1/4	3,556.22	1/4	3,198.16	1/4	2,840.08
1/2		1/2		1/2		1/2	4,975.28	1/2	4,622.04	1/2	4,264.87	1/2	3,906.81	1/2	3,548.76	1/2	3,190.70	1/2	2,832.61
3/4		3/4		3/4		3/4	4,968.48	3/4	4,614.60	3/4	4,257.41	3/4	3,899.36	3/4	3,541.30	3/4	3,183.24	3/4	2,825.15
3		3		3		3	4,961.68	3	4,607.17	3	4,249.95	3	3,891.90	3	3,533.84	3	3,175.78	3	2,817.69
1/4		1/4		1/4		1/4	4,954.88	1/4	4,599.73	1/4	4,242.49	1/4	3,884.44	1/4	3,526.38	1/4	3,168.32	1/4	2,810.22
1/2		1/2		1/2		1/2	4,947.54	1/2	4,592.29	1/2	4,235.03	1/2	3,876.98	1/2	3,518.92	1/2	3,160.86	1/2	2,802.76
3/4		3/4		3/4		3/4	4,940.21	3/4	4,584.85	3/4	4,227.57	3/4	3,869.52	3/4	3,511.46	3/4	3,153.41	3/4	2,795.30
4		4		4		4	4,932.87	4	4,577.41	4	4,220.11	4	3,862.06	4	3,504.00	4	3,145.95	4	2,787.83
1/4		1/4		1/4		1/4	4,925.54	1/4	4,569.98	1/4	4,212.65	1/4	3,854.60	1/4	3,496.54	1/4	3,138.49	1/4	2,780.37
1/2		1/2		1/2		1/2	4,918.14	1/2	4,562.54	1/2	4,205.19	1/2	3,847.14	1/2	3,489.08	1/2	3,131.03	1/2	2,772.91
3/4		3/4		3/4		3/4	4,910.73	3/4	4,555.10	3/4	4,197.74	3/4	3,839.68	3/4	3,481.62	3/4	3,123.57	3/4	2,765.44
5		5		5		5	4,903.33	5	4,547.66	5	4,190.28	5	3,832.22	5	3,474.16	5	3,116.11	5	2,757.98
1/4		1/4		1/4		1/4	4,895.93	1/4	4,540.23	1/4	4,182.82	1/4	3,824.76	1/4	3,466.70	1/4	3,108.65	1/4	2,750.51
1/2		1/2		1/2		1/2	4,888.53	1/2	4,532.79	1/2	4,175.36	1/2	3,817.30	1/2	3,459.24	1/2	3,101.19	1/2	2,743.05
3/4		3/4		3/4		3/4	4,881.13	3/4	4,525.35	3/4	4,167.90	3/4	3,809.84	3/4	3,451.79	3/4	3,093.73	3/4	2,735.59
6		6		6		6	4,873.72	6	4,517.91	6	4,160.44	6	3,802.38	6	3,444.33	6	3,086.27	6	2,728.12
1/4		1/4		1/4		1/4	4,866.32	1/4	4,510.47	1/4	4,152.98	1/4	3,794.92	1/4	3,436.87	1/4	3,078.81	1/4	2,720.66
1/2		1/2		1/2		1/2	4,858.92	1/2	4,503.04	1/2	4,145.52	1/2	3,787.46	1/2	3,429.41	1/2	3,071.35	1/2	2,713.20
3/4		3/4		3/4		3/4	4,851.52	3/4	4,495.60	3/4	4,138.06	3/4	3,780.00	3/4	3,421.95	3/4	3,063.89	3/4	2,705.73
7		7		7		7	4,844.12	7	4,488.16	7	4,130.60	7	3,772.54	7	3,414.49	7	3,056.43	7	2,698.27
1/4		1/4		1/4		1/4	4,836.71	1/4	4,480.72	1/4	4,123.14	1/4	3,765.08	1/4	3,407.03	1/4	3,048.97	1/4	2,690.81
1/2		1/2		1/2		1/2	4,829.31	1/2	4,473.29	1/2	4,115.68	1/2	3,757.62	1/2	3,399.57	1/2	3,041.51	1/2	2,683.34
3/4		3/4		3/4		3/4	4,821.91	3/4	4,465.85	3/4	4,108.22	3/4	3,750.17	3/4	3,392.11	3/4	3,034.05	3/4	2,675.88
8		8		8		8	4,814.51	8	4,458.41	8	4,100.76	8	3,742.71	8	3,384.65	8	3,026.59	8	2,668.41
1/4		1/4		1/4		1/4	4,807.11	1/4	4,450.97	1/4	4,093.30	1/4	3,735.25	1/4	3,377.19	1/4	3,019.13	1/4	2,660.95
1/2		1/2		1/2		1/2	4,799.72	1/2	4,443.53	1/2	4,085.84	1/2	3,727.79	1/2	3,369.73	1/2	3,011.67	1/2	2,653.49
3/4		3/4		3/4		3/4	4,792.32	3/4	4,436.10	3/4	4,078.38	3/4	3,720.33	3/4	3,362.27	3/4	3,004.22	3/4	2,646.02
9		9		9		9	4,784.92	9	4,428.66	9	4,070.92	9	3,712.87	9	3,354.81	9	2,996.76	9	2,638.56
1/4		1/4		1/4		1/4	4,777.52	1/4	4,421.22	1/4	4,063.46	1/4	3,705.41	1/4	3,347.35	1/4	2,989.30	1/4	2,631.10
1/2		1/2		1/2		1/2	4,770.12	1/2	4,413.78	1/2	4,056.00	1/2	3,697.95	1/2	3,339.89	1/2	2,981.84	1/2	2,623.63
3/4		3/4		3/4		3/4	4,762.72	3/4	4,406.35	3/4	4,048.55	3/4	3,690.49	3/4	3,332.43	3/4	2,974.38	3/4	2,616.17
10		10		10		10	4,755.33	10	4,398.91	10	4,041.09	10	3,683.03	10	3,324.97	10	2,966.92	10	2,608.71
1/4		1/4		1/4		1/4	4,747.93	1/4	4,391.47	1/4	4,033.63	1/4	3,675.57	1/4	3,317.51	1/4	2,959.46	1/4	2,601.24
1/2		1/2		1/2		1/2	4,740.53	1/2	4,384.03	1/2	4,026.17	1/2	3,668.11	1/2	3,310.05	1/2	2,952.00	1/2	2,593.78
3/4		3/4		3/4		3/4	4,733.13	3/4	4,376.59	3/4	4,018.71	3/4	3,660.65	3/4	3,302.60	3/4	2,944.54	3/4	2,586.32
11		11		11		11	4,725.73	11	4,369.16	11	4,011.25	11	3,653.19	11	3,295.14	11	2,937.08	11	2,578.85
1/4		1/4		1/4		1/4	4,718.34	1/4	4,361.72	1/4	4,003.79	1/4	3,645.73	1/4	3,287.68	1/4	2,929.62	1/4	2,571.39
1/2		1/2		1/2		1/2	4,710.94	1/2	4,354.28	1/2	3,996.33	1/2	3,638.27	1/2	3,280.22	1/2	2,922.16	1/2	2,563.92
3/4		3/4		3/4		3/4	4,703.54	3/4	4,346.84	3/4	3,988.87	3/4	3,630.81	3/4	3,272.76	3/4	2,914.70	3/4	2,556.46

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 46'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "HTCO 3121"

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	2,549.00	0	2,190.74	0	1,832.49	0	1,474.24	0	1,115.99	0	758.23	0	404.64	0	89.53	0		0	
1/4	2,541.53	1/4	2,183.28	1/4	1,825.03	1/4	1,466.78	1/4	1,108.52	1/4	750.77	1/4	397.59	1/4	83.42	1/4		1/4	
1/2	2,534.07	1/2	2,175.82	1/2	1,817.56	1/2	1,459.31	1/2	1,101.06	1/2	743.31	1/2	390.61	1/2	77.39	1/2		1/2	
3/4	2,526.61	3/4	2,168.35	3/4	1,810.10	3/4	1,451.85	3/4	1,093.60	3/4	735.84	3/4	383.64	3/4	71.35	3/4		3/4	
1	2,519.14	1	2,160.89	1	1,802.64	1	1,444.38	1	1,086.13	1	728.38	1	376.67	1	65.32	1		1	
1/4	2,511.68	1/4	2,153.43	1/4	1,795.17	1/4	1,436.92	1/4	1,078.67	1/4	720.92	1/4	369.69	1/4	59.29	1/4		1/4	
1/2	2,504.22	1/2	2,145.96	1/2	1,787.71	1/2	1,429.46	1/2	1,071.21	1/2	713.45	1/2	362.79	1/2	53.81	1/2		1/2	
3/4	2,496.75	3/4	2,138.50	3/4	1,780.25	3/4	1,421.99	3/4	1,063.75	3/4	705.99	3/4	355.89	3/4	48.33	3/4		3/4	
2	2,489.29	2	2,131.04	2	1,772.78	2	1,414.53	2	1,056.29	2	698.53	2	348.99	2	42.84	2		2	
1/4	2,481.82	1/4	2,123.57	1/4	1,765.32	1/4	1,407.07	1/4	1,048.83	1/4	691.06	1/4	342.09	1/4	37.36	1/4		1/4	
1/2	2,474.36	1/2	2,116.11	1/2	1,757.86	1/2	1,399.60	1/2	1,041.37	1/2	683.60	1/2	335.27	1/2	33.36	1/2		1/2	
3/4	2,466.90	3/4	2,108.64	3/4	1,750.39	3/4	1,392.14	3/4	1,033.91	3/4	676.14	3/4	328.44	3/4	29.36	3/4		3/4	
3	2,459.43	3	2,101.18	3	1,742.93	3	1,384.68	3	1,026.46	3	668.67	3	321.62	3	25.36	3		3	
1/4	2,451.97	1/4	2,093.72	1/4	1,735.46	1/4	1,377.21	1/4	1,019.00	1/4	661.21	1/4	314.79	1/4	21.35	1/4		1/4	
1/2	2,444.51	1/2	2,086.25	1/2	1,728.00	1/2	1,369.75	1/2	1,011.55	1/2	653.75	1/2	308.04	1/2	18.44	1/2		1/2	
3/4	2,437.04	3/4	2,078.79	3/4	1,720.54	3/4	1,362.28	3/4	1,004.09	3/4	646.28	3/4	301.30	3/4		3/4		3/4	
4	2,429.58	4	2,071.33	4	1,713.07	4	1,354.82	4	996.64	4	638.82	4	294.55	4		4		4	
1/4	2,422.12	1/4	2,063.86	1/4	1,705.61	1/4	1,347.36	1/4	989.19	1/4	631.36	1/4	287.81	1/4		1/4		1/4	
1/2	2,414.65	1/2	2,056.40	1/2	1,698.15	1/2	1,339.89	1/2	981.74	1/2	623.89	1/2	281.14	1/2		1/2		1/2	
3/4	2,407.19	3/4	2,048.94	3/4	1,690.68	3/4	1,332.43	3/4	974.29	3/4	616.43	3/4	274.48	3/4		3/4		3/4	
5	2,399.73	5	2,041.47	5	1,683.22	5	1,324.97	5	966.84	5	608.97	5	267.81	5		5		5	
1/4	2,392.26	1/4	2,034.01	1/4	1,675.76	1/4	1,317.50	1/4	959.39	1/4	601.50	1/4	261.15	1/4		1/4		1/4	
1/2	2,384.80	1/2	2,026.55	1/2	1,668.29	1/2	1,310.04	1/2	951.94	1/2	594.04	1/2	254.56	1/2		1/2		1/2	
3/4	2,377.33	3/4	2,019.08	3/4	1,660.83	3/4	1,302.58	3/4	944.49	3/4	586.58	3/4	247.98	3/4		3/4		3/4	
6	2,369.87	6	2,011.62	6	1,653.37	6	1,295.11	6	937.04	6	579.11	6	241.39	6		6		6	
1/4	2,362.41	1/4	2,004.15	1/4	1,645.90	1/4	1,287.65	1/4	929.59	1/4	571.65	1/4	234.81	1/4		1/4		1/4	
1/2	2,354.94	1/2	1,996.69	1/2	1,638.44	1/2	1,280.19	1/2	922.14	1/2	564.21	1/2	228.31	1/2		1/2		1/2	
3/4	2,347.48	3/4	1,989.23	3/4	1,630.97	3/4	1,272.72	3/4	914.69	3/4	556.77	3/4	221.80	3/4		3/4		3/4	
7	2,340.02	7	1,981.76	7	1,623.51	7	1,265.26	7	907.24	7	549.34	7	215.30	7		7		7	
1/4	2,332.55	1/4	1,974.30	1/4	1,616.05	1/4	1,257.79	1/4	899.79	1/4	541.90	1/4	208.80	1/4		1/4		1/4	
1/2	2,325.09	1/2	1,966.84	1/2	1,608.58	1/2	1,250.33	1/2	892.34	1/2	534.53	1/2	202.38	1/2		1/2		1/2	
3/4	2,317.63	3/4	1,959.37	3/4	1,601.12	3/4	1,242.87	3/4	884.89	3/4	527.16	3/4	195.96	3/4		3/4		3/4	
8	2,310.16	8	1,951.91	8	1,593.66	8	1,235.40	8	877.44	8	519.78	8	189.54	8		8		8	
1/4	2,302.70	1/4	1,944.45	1/4	1,586.19	1/4	1,227.94	1/4	869.99	1/4	512.41	1/4	183.11	1/4		1/4		1/4	
1/2	2,295.23	1/2	1,936.98	1/2	1,578.73	1/2	1,220.48	1/2	862.54	1/2	505.12	1/2	176.77	1/2		1/2		1/2	
3/4	2,287.77	3/4	1,929.52	3/4	1,571.27	3/4	1,213.01	3/4	855.09	3/4	497.82	3/4	170.42	3/4		3/4		3/4	
9	2,280.31	9	1,922.05	9	1,563.80	9	1,205.55	9	847.64	9	490.53	9	164.08	9		9		9	
1/4	2,272.84	1/4	1,914.59	1/4	1,556.34	1/4	1,198.09	1/4	840.19	1/4	483.23	1/4	157.73	1/4		1/4		1/4	
1/2	2,265.38	1/2	1,907.13	1/2	1,548.87	1/2	1,190.62	1/2	832.74	1/2	476.01	1/2	151.46	1/2		1/2		1/2	
3/4	2,257.92	3/4	1,899.66	3/4	1,541.41	3/4	1,183.16	3/4	825.29	3/4	468.80	3/4	145.18	3/4		3/4		3/4	
10	2,250.45	10	1,892.20	10	1,533.95	10	1,175.69	10	817.84	10	461.58	10	138.91	10		10		10	
1/4	2,242.99	1/4	1,884.74	1/4	1,526.48	1/4	1,168.23	1/4	810.39	1/4	454.36	1/4	132.64	1/4		1/4		1/4	
1/2	2,235.53	1/2	1,877.27	1/2	1,519.02	1/2	1,160.77	1/2	802.94	1/2	447.22	1/2	126.44	1/2		1/2		1/2	
3/4	2,228.06	3/4	1,869.81	3/4	1,511.56	3/4	1,153.30	3/4	795.49	3/4	440.08	3/4	120.25	3/4		3/4		3/4	
11	2,220.60	11	1,862.35	11	1,504.09	11	1,145.84	11	788.04	11	432.95	11	114.06	11		11		11	
1/4	2,213.14	1/4	1,854.88	1/4	1,496.63	1/4	1,138.38	1/4	780.59	1/4	425.81	1/4	107.87	1/4		1/4		1/4	
1/2	2,205.67	1/2	1,847.42	1/2	1,489.17	1/2	1,130.91	1/2	773.14	1/2	418.75	1/2	101.75	1/2		1/2		1/2	
3/4	2,198.21	3/4	1,839.96	3/4	1,481.70	3/4	1,123.45	3/4	765.68	3/4	411.70	3/4	95.64	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/23/2014 PMA  
RECALCULATED: 03/16/2019 CL  
VERIFIED: 04/01/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

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



# BARGE "HTCO 3121"

## 2 PORT ULLAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,766.25	0	4,408.50	0	4,049.50	0	3,690.44	0	3,331.37	0	2,972.32
1/4		1/4		1/4		1/4		1/4	4,758.83	1/4	4,401.04	1/4	4,042.02	1/4	3,682.96	1/4	3,323.89	1/4	2,964.84
1/2		1/2		1/2		1/2		1/2	4,751.41	1/2	4,393.57	1/2	4,034.54	1/2	3,675.48	1/2	3,316.41	1/2	2,957.35
3/4		3/4		3/4		3/4		3/4	4,743.99	3/4	4,386.10	3/4	4,027.06	3/4	3,667.99	3/4	3,308.93	3/4	2,949.87
1		1		1		1	5,081.04	1	4,736.57	1	4,378.63	1	4,019.58	1	3,660.51	1	3,301.45	1	2,942.38
1/4		1/4		1/4		1/4	5,076.29	1/4	4,729.15	1/4	4,371.16	1/4	4,012.10	1/4	3,653.03	1/4	3,293.97	1/4	2,934.90
1/2		1/2		1/2		1/2	5,070.47	1/2	4,721.71	1/2	4,363.68	1/2	4,004.62	1/2	3,645.55	1/2	3,286.49	1/2	2,927.41
3/4		3/4		3/4		3/4	5,064.65	3/4	4,714.27	3/4	4,356.20	3/4	3,997.14	3/4	3,638.07	3/4	3,279.01	3/4	2,919.93
2		2		2		2	5,058.83	2	4,706.83	2	4,348.72	2	3,989.66	2	3,630.59	2	3,271.53	2	2,912.45
1/4		1/4		1/4		1/4	5,053.01	1/4	4,699.39	1/4	4,341.24	1/4	3,982.18	1/4	3,623.11	1/4	3,264.05	1/4	2,904.96
1/2		1/2		1/2		1/2	5,046.19	1/2	4,691.94	1/2	4,333.76	1/2	3,974.70	1/2	3,615.63	1/2	3,256.57	1/2	2,897.48
3/4		3/4		3/4		3/4	5,039.37	3/4	4,684.48	3/4	4,326.28	3/4	3,967.21	3/4	3,608.15	3/4	3,249.09	3/4	2,889.99
3		3		3		3	5,032.55	3	4,677.02	3	4,318.80	3	3,959.73	3	3,600.67	3	3,241.61	3	2,882.51
1/4		1/4		1/4		1/4	5,025.72	1/4	4,669.56	1/4	4,311.32	1/4	3,952.25	1/4	3,593.19	1/4	3,234.13	1/4	2,875.02
1/2		1/2		1/2		1/2	5,018.37	1/2	4,662.10	1/2	4,303.84	1/2	3,944.77	1/2	3,585.71	1/2	3,226.65	1/2	2,867.54
3/4		3/4		3/4		3/4	5,011.01	3/4	4,654.64	3/4	4,296.36	3/4	3,937.29	3/4	3,578.23	3/4	3,219.16	3/4	2,860.05
4		4		4		4	5,003.65	4	4,647.18	4	4,288.88	4	3,929.81	4	3,570.75	4	3,211.68	4	2,852.57
1/4		1/4		1/4		1/4	4,996.29	1/4	4,639.72	1/4	4,281.40	1/4	3,922.33	1/4	3,563.27	1/4	3,204.20	1/4	2,845.08
1/2		1/2		1/2		1/2	4,988.87	1/2	4,632.26	1/2	4,273.92	1/2	3,914.85	1/2	3,555.79	1/2	3,196.72	1/2	2,837.60
3/4		3/4		3/4		3/4	4,981.45	3/4	4,624.81	3/4	4,266.43	3/4	3,907.37	3/4	3,548.31	3/4	3,189.24	3/4	2,830.11
5		5		5		5	4,974.02	5	4,617.35	5	4,258.95	5	3,899.89	5	3,540.83	5	3,181.76	5	2,822.63
1/4		1/4		1/4		1/4	4,966.60	1/4	4,609.89	1/4	4,251.47	1/4	3,892.41	1/4	3,533.35	1/4	3,174.28	1/4	2,815.15
1/2		1/2		1/2		1/2	4,959.18	1/2	4,602.43	1/2	4,243.99	1/2	3,884.93	1/2	3,525.87	1/2	3,166.80	1/2	2,807.66
3/4		3/4		3/4		3/4	4,951.76	3/4	4,594.97	3/4	4,236.51	3/4	3,877.45	3/4	3,518.38	3/4	3,159.32	3/4	2,800.18
6		6		6		6	4,944.33	6	4,587.51	6	4,229.03	6	3,869.97	6	3,510.90	6	3,151.84	6	2,792.69
1/4		1/4		1/4		1/4	4,936.91	1/4	4,580.05	1/4	4,221.55	1/4	3,862.49	1/4	3,503.42	1/4	3,144.36	1/4	2,785.21
1/2		1/2		1/2		1/2	4,929.49	1/2	4,572.59	1/2	4,214.07	1/2	3,855.01	1/2	3,495.94	1/2	3,136.88	1/2	2,777.72
3/4		3/4		3/4		3/4	4,922.06	3/4	4,565.14	3/4	4,206.59	3/4	3,847.53	3/4	3,488.46	3/4	3,129.40	3/4	2,770.24
7		7		7		7	4,914.64	7	4,557.68	7	4,199.11	7	3,840.05	7	3,480.98	7	3,121.92	7	2,762.75
1/4		1/4		1/4		1/4	4,907.22	1/4	4,550.22	1/4	4,191.63	1/4	3,832.57	1/4	3,473.50	1/4	3,114.44	1/4	2,755.27
1/2		1/2		1/2		1/2	4,899.80	1/2	4,542.76	1/2	4,184.15	1/2	3,825.09	1/2	3,466.02	1/2	3,106.96	1/2	2,747.78
3/4		3/4		3/4		3/4	4,892.38	3/4	4,535.30	3/4	4,176.67	3/4	3,817.60	3/4	3,458.54	3/4	3,099.48	3/4	2,740.30
8		8		8		8	4,884.95	8	4,527.84	8	4,169.19	8	3,810.12	8	3,451.06	8	3,092.00	8	2,732.81
1/4		1/4		1/4		1/4	4,877.53	1/4	4,520.38	1/4	4,161.71	1/4	3,802.64	1/4	3,443.58	1/4	3,084.52	1/4	2,725.33
1/2		1/2		1/2		1/2	4,870.11	1/2	4,512.92	1/2	4,154.23	1/2	3,795.16	1/2	3,436.10	1/2	3,077.04	1/2	2,717.85
3/4		3/4		3/4		3/4	4,862.70	3/4	4,505.47	3/4	4,146.75	3/4	3,787.68	3/4	3,428.62	3/4	3,069.55	3/4	2,710.36
9		9		9		9	4,855.28	9	4,498.01	9	4,139.27	9	3,780.20	9	3,421.14	9	3,062.07	9	2,702.88
1/4		1/4		1/4		1/4	4,847.86	1/4	4,490.55	1/4	4,131.79	1/4	3,772.72	1/4	3,413.66	1/4	3,054.59	1/4	2,695.39
1/2		1/2		1/2		1/2	4,840.44	1/2	4,483.09	1/2	4,124.31	1/2	3,765.24	1/2	3,406.18	1/2	3,047.11	1/2	2,687.91
3/4		3/4		3/4		3/4	4,833.02	3/4	4,475.63	3/4	4,116.82	3/4	3,757.76	3/4	3,398.70	3/4	3,039.63	3/4	2,680.42
10		10		10		10	4,825.60	10	4,468.17	10	4,109.34	10	3,750.28	10	3,391.22	10	3,032.15	10	2,672.94
1/4		1/4		1/4		1/4	4,818.18	1/4	4,460.71	1/4	4,101.86	1/4	3,742.80	1/4	3,383.74	1/4	3,024.67	1/4	2,665.45
1/2		1/2		1/2		1/2	4,810.76	1/2	4,453.25	1/2	4,094.38	1/2	3,735.32	1/2	3,376.26	1/2	3,017.19	1/2	2,657.97
3/4		3/4		3/4		3/4	4,803.34	3/4	4,445.79	3/4	4,086.90	3/4	3,727.84	3/4	3,368.77	3/4	3,009.71	3/4	2,650.48
11		11		11		11	4,795.92	11	4,438.34	11	4,079.42	11	3,720.36	11	3,361.29	11	3,002.23	11	2,643.00
1/4		1/4		1/4		1/4	4,788.50	1/4	4,430.88	1/4	4,071.94	1/4	3,712.88	1/4	3,353.81	1/4	2,994.75	1/4	2,635.52
1/2		1/2		1/2		1/2	4,781.08	1/2	4,423.42	1/2	4,064.46	1/2	3,705.40	1/2	3,346.33	1/2	2,987.27	1/2	2,628.03
3/4		3/4		3/4		3/4	4,773.67	3/4	4,415.96	3/4	4,056.98	3/4	3,697.92	3/4	3,338.85	3/4	2,979.79	3/4	2,620.55

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 46'-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 "HTCO 3121"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,613.06	0	2,253.80	0	1,894.54	0	1,535.28	0	1,176.44	0	830.97	0	471.88	0	112.63	0		0	
1/4	2,605.58	1/4	2,246.32	1/4	1,887.06	1/4	1,527.79	1/4	1,169.10	1/4	823.64	1/4	464.39	1/4	105.14	1/4		1/4	
1/2	2,598.09	1/2	2,238.83	1/2	1,879.57	1/2	1,520.31	1/2	1,161.90	1/2	816.16	1/2	456.91	1/2	97.66	1/2		1/2	
3/4	2,590.61	3/4	2,231.35	3/4	1,872.09	3/4	1,512.83	3/4	1,154.70	3/4	808.67	3/4	449.42	3/4	90.17	3/4		3/4	
1	2,583.12	1	2,223.86	1	1,864.60	1	1,505.34	1	1,147.49	1	801.19	1	441.94	1	82.69	1		1	
1/4	2,575.64	1/4	2,216.38	1/4	1,857.12	1/4	1,497.86	1/4	1,140.29	1/4	793.71	1/4	434.45	1/4	75.20	1/4		1/4	
1/2	2,568.15	1/2	2,208.89	1/2	1,849.63	1/2	1,490.37	1/2	1,133.10	1/2	786.22	1/2	426.97	1/2	68.19	1/2		1/2	
3/4	2,560.67	3/4	2,201.41	3/4	1,842.15	3/4	1,482.89	3/4	1,125.90	3/4	778.74	3/4	419.49	3/4	61.17	3/4		3/4	
2	2,553.18	2	2,193.92	2	1,834.66	2	1,475.40	2	1,118.71	2	771.25	2	412.00	2	54.15	2		2	
1/4	2,545.70	1/4	2,186.44	1/4	1,827.18	1/4	1,467.92	1/4	1,111.51	1/4	763.77	1/4	404.52	1/4	47.14	1/4		1/4	
1/2	2,538.22	1/2	2,178.95	1/2	1,819.69	1/2	1,460.43	1/2	1,104.32	1/2	756.28	1/2	397.03	1/2	41.52	1/2		1/2	
3/4	2,530.73	3/4	2,171.47	3/4	1,812.21	3/4	1,452.95	3/4	1,097.14	3/4	748.80	3/4	389.55	3/4	35.91	3/4		3/4	
3	2,523.25	3	2,163.99	3	1,804.72	3	1,445.46	3	1,089.95	3	741.31	3	382.06	3	30.30	3		3	
1/4	2,515.76	1/4	2,156.50	1/4	1,797.24	1/4	1,437.98	1/4	1,082.76	1/4	733.83	1/4	374.58	1/4	24.68	1/4		1/4	
1/2	2,508.28	1/2	2,149.02	1/2	1,789.76	1/2	1,430.49	1/2	1,075.58	1/2	726.35	1/2	367.09	1/2	20.95	1/2		1/2	
3/4	2,500.79	3/4	2,141.53	3/4	1,782.27	3/4	1,423.01	3/4	1,068.39	3/4	718.86	3/4	359.61	3/4		3/4		3/4	
4	2,493.31	4	2,134.05	4	1,774.79	4	1,415.53	4	1,061.21	4	711.38	4	352.13	4		4		4	
1/4	2,485.82	1/4	2,126.56	1/4	1,767.30	1/4	1,408.04	1/4	1,054.02	1/4	703.89	1/4	344.64	1/4		1/4		1/4	
1/2	2,478.34	1/2	2,119.08	1/2	1,759.82	1/2	1,400.56	1/2	1,046.84	1/2	696.41	1/2	337.16	1/2		1/2		1/2	
3/4	2,470.85	3/4	2,111.59	3/4	1,752.33	3/4	1,393.07	3/4	1,039.66	3/4	688.92	3/4	329.67	3/4		3/4		3/4	
5	2,463.37	5	2,104.11	5	1,744.85	5	1,385.59	5	1,032.48	5	681.44	5	322.19	5		5		5	
1/4	2,455.88	1/4	2,096.62	1/4	1,737.36	1/4	1,378.10	1/4	1,025.30	1/4	673.96	1/4	314.70	1/4		1/4		1/4	
1/2	2,448.40	1/2	2,089.14	1/2	1,729.88	1/2	1,370.62	1/2	1,018.12	1/2	666.47	1/2	307.22	1/2		1/2		1/2	
3/4	2,440.92	3/4	2,081.65	3/4	1,722.39	3/4	1,363.13	3/4	1,010.94	3/4	658.99	3/4	299.74	3/4		3/4		3/4	
6	2,433.43	6	2,074.17	6	1,714.91	6	1,355.65	6	1,003.76	6	651.50	6	292.25	6		6		6	
1/4	2,425.95	1/4	2,066.69	1/4	1,707.42	1/4	1,348.16	1/4	996.58	1/4	644.02	1/4	284.77	1/4		1/4		1/4	
1/2	2,418.46	1/2	2,059.20	1/2	1,699.94	1/2	1,340.68	1/2	989.40	1/2	636.53	1/2	277.28	1/2		1/2		1/2	
3/4	2,410.98	3/4	2,051.72	3/4	1,692.46	3/4	1,333.19	3/4	982.22	3/4	629.05	3/4	269.80	3/4		3/4		3/4	
7	2,403.49	7	2,044.23	7	1,684.97	7	1,325.71	7	975.04	7	621.56	7	262.31	7		7		7	
1/4	2,396.01	1/4	2,036.75	1/4	1,677.49	1/4	1,318.23	1/4	967.85	1/4	614.08	1/4	254.83	1/4		1/4		1/4	
1/2	2,388.52	1/2	2,029.26	1/2	1,670.00	1/2	1,310.74	1/2	960.67	1/2	606.60	1/2	247.34	1/2		1/2		1/2	
3/4	2,381.04	3/4	2,021.78	3/4	1,662.52	3/4	1,303.26	3/4	953.49	3/4	599.11	3/4	239.86	3/4		3/4		3/4	
8	2,373.55	8	2,014.29	8	1,655.03	8	1,295.77	8	946.31	8	591.63	8	232.38	8		8		8	
1/4	2,366.07	1/4	2,006.81	1/4	1,647.55	1/4	1,288.29	1/4	939.13	1/4	584.14	1/4	224.89	1/4		1/4		1/4	
1/2	2,358.58	1/2	1,999.32	1/2	1,640.06	1/2	1,280.80	1/2	931.95	1/2	576.66	1/2	217.41	1/2		1/2		1/2	
3/4	2,351.10	3/4	1,991.84	3/4	1,632.58	3/4	1,273.32	3/4	924.77	3/4	569.17	3/4	209.92	3/4		3/4		3/4	
9	2,343.62	9	1,984.35	9	1,625.09	9	1,265.83	9	917.59	9	561.69	9	202.44	9		9		9	
1/4	2,336.13	1/4	1,976.87	1/4	1,617.61	1/4	1,258.35	1/4	910.41	1/4	554.20	1/4	194.95	1/4		1/4		1/4	
1/2	2,328.65	1/2	1,969.39	1/2	1,610.12	1/2	1,250.86	1/2	903.23	1/2	546.72	1/2	187.47	1/2		1/2		1/2	
3/4	2,321.16	3/4	1,961.90	3/4	1,602.64	3/4	1,243.38	3/4	896.05	3/4	539.24	3/4	179.98	3/4		3/4		3/4	
10	2,313.68	10	1,954.42	10	1,595.16	10	1,235.89	10	888.87	10	531.75	10	172.50	10		10		10	
1/4	2,306.19	1/4	1,946.93	1/4	1,587.67	1/4	1,228.41	1/4	881.69	1/4	524.27	1/4	165.02	1/4		1/4		1/4	
1/2	2,298.71	1/2	1,939.45	1/2	1,580.19	1/2	1,220.93	1/2	874.51	1/2	516.78	1/2	157.53	1/2		1/2		1/2	
3/4	2,291.22	3/4	1,931.96	3/4	1,572.70	3/4	1,213.44	3/4	867.32	3/4	509.30	3/4	150.05	3/4		3/4		3/4	
11	2,283.74	11	1,924.48	11	1,565.22	11	1,205.96	11	860.14	11	501.81	11	142.56	11		11		11	
1/4	2,276.25	1/4	1,916.99	1/4	1,557.73	1/4	1,198.47	1/4	852.96	1/4	494.33	1/4	135.08	1/4		1/4		1/4	
1/2	2,268.77	1/2	1,909.51	1/2	1,550.25	1/2	1,191.13	1/2	845.63	1/2	486.85	1/2	127.59	1/2		1/2		1/2	
3/4	2,261.29	3/4	1,902.02	3/4	1,542.76	3/4	1,183.79	3/4	838.30	3/4	479.36	3/4	120.11	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/23/2014 PMA  
RECALCULATED: 03/16/2019 CL  
VERIFIED: 04/01/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

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





# BARGE "HTCO 3121"

## 2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04"

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	4,792.66	0	4,435.17	0	4,076.39	0	3,717.50	0	3,358.61	0	2,999.72
1/4		1/4		1/4		1/4		1/4	4,785.24	1/4	4,427.71	1/4	4,068.91	1/4	3,710.02	1/4	3,351.13	1/4	2,992.24
1/2		1/2		1/2		1/2		1/2	4,777.83	1/2	4,420.26	1/2	4,061.44	1/2	3,702.55	1/2	3,343.65	1/2	2,984.76
3/4		3/4		3/4		3/4		3/4	4,770.41	3/4	4,412.80	3/4	4,053.96	3/4	3,695.07	3/4	3,336.18	3/4	2,977.28
1		1		1		1		1	4,763.00	1	4,405.34	1	4,046.48	1	3,687.59	1	3,328.70	1	2,969.80
1/4		1/4		1/4		1/4		1/4	4,755.58	1/4	4,397.87	1/4	4,039.01	1/4	3,680.12	1/4	3,321.22	1/4	2,962.32
1/2		1/2		1/2		1/2	5,092.46	1/2	4,748.17	1/2	4,390.41	1/2	4,031.53	1/2	3,672.64	1/2	3,313.75	1/2	2,954.84
3/4		3/4		3/4		3/4	5,087.71	3/4	4,740.75	3/4	4,382.94	3/4	4,024.05	3/4	3,665.16	3/4	3,306.27	3/4	2,947.35
2		2		2		2		2	5,081.90	2	4,733.32	2	4,375.47	2	4,016.58	2	3,657.68	2	2,939.87
1/4		1/4		1/4		1/4	5,076.08	1/4	4,725.88	1/4	4,367.99	1/4	4,009.10	1/4	3,650.21	1/4	3,291.32	1/4	2,932.39
1/2		1/2		1/2		1/2	5,070.26	1/2	4,718.45	1/2	4,360.51	1/2	4,001.62	1/2	3,642.73	1/2	3,283.84	1/2	2,924.91
3/4		3/4		3/4		3/4	5,064.45	3/4	4,711.01	3/4	4,353.04	3/4	3,994.14	3/4	3,635.25	3/4	3,276.36	3/4	2,917.43
3		3		3		3		3	5,057.63	3	4,703.56	3	4,345.56	3	3,986.67	3	3,267.78	3	2,909.95
1/4		1/4		1/4		1/4	5,050.81	1/4	4,696.10	1/4	4,338.08	1/4	3,979.19	1/4	3,620.30	1/4	3,261.41	1/4	2,902.47
1/2		1/2		1/2		1/2	5,043.99	1/2	4,688.65	1/2	4,330.61	1/2	3,971.71	1/2	3,612.82	1/2	3,253.93	1/2	2,894.99
3/4		3/4		3/4		3/4	5,037.17	3/4	4,681.19	3/4	4,323.13	3/4	3,964.24	3/4	3,605.35	3/4	3,246.45	3/4	2,887.51
4		4		4		4		4	5,029.82	4	4,673.74	4	4,315.65	4	3,956.76	4	3,238.98	4	2,880.03
1/4		1/4		1/4		1/4	5,022.47	1/4	4,666.28	1/4	4,308.17	1/4	3,949.28	1/4	3,950.39	1/4	3,231.50	1/4	2,872.55
1/2		1/2		1/2		1/2	5,015.11	1/2	4,658.82	1/2	4,300.70	1/2	3,941.81	1/2	3,582.92	1/2	3,224.02	1/2	2,865.06
3/4		3/4		3/4		3/4	5,007.76	3/4	4,651.37	3/4	4,293.22	3/4	3,934.33	3/4	3,575.44	3/4	3,216.55	3/4	2,857.58
5		5		5		5		5	5,000.34	5	4,643.91	5	4,285.74	5	3,926.85	5	3,209.07	5	2,850.10
1/4		1/4		1/4		1/4	4,992.92	1/4	4,636.46	1/4	4,278.27	1/4	3,919.38	1/4	3,560.48	1/4	3,201.59	1/4	2,842.62
1/2		1/2		1/2		1/2	4,985.50	1/2	4,629.00	1/2	4,270.79	1/2	3,911.90	1/2	3,553.01	1/2	3,194.12	1/2	2,835.14
3/4		3/4		3/4		3/4	4,978.08	3/4	4,621.55	3/4	4,263.31	3/4	3,904.42	3/4	3,545.53	3/4	3,186.64	3/4	2,827.66
6		6		6		6		6	4,970.66	6	4,614.09	6	4,255.84	6	3,896.95	6	3,179.16	6	2,820.18
1/4		1/4		1/4		1/4	4,963.24	1/4	4,606.64	1/4	4,248.36	1/4	3,889.47	1/4	3,530.58	1/4	3,171.69	1/4	2,812.70
1/2		1/2		1/2		1/2	4,955.83	1/2	4,599.18	1/2	4,240.88	1/2	3,881.99	1/2	3,523.10	1/2	3,164.21	1/2	2,805.22
3/4		3/4		3/4		3/4	4,948.41	3/4	4,591.73	3/4	4,233.41	3/4	3,874.51	3/4	3,515.62	3/4	3,156.73	3/4	2,797.74
7		7		7		7		7	4,940.99	7	4,584.27	7	4,225.93	7	3,867.04	7	3,149.26	7	2,790.26
1/4		1/4		1/4		1/4	4,933.57	1/4	4,576.82	1/4	4,218.45	1/4	3,859.56	1/4	3,500.67	1/4	3,141.78	1/4	2,782.77
1/2		1/2		1/2		1/2	4,926.15	1/2	4,569.36	1/2	4,210.97	1/2	3,852.08	1/2	3,493.19	1/2	3,134.30	1/2	2,775.29
3/4		3/4		3/4		3/4	4,918.73	3/4	4,561.91	3/4	4,203.50	3/4	3,844.61	3/4	3,485.72	3/4	3,126.82	3/4	2,767.81
8		8		8		8		8	4,911.31	8	4,554.45	8	4,196.02	8	3,837.13	8	3,119.35	8	2,760.33
1/4		1/4		1/4		1/4	4,903.89	1/4	4,547.00	1/4	4,188.54	1/4	3,829.65	1/4	3,470.76	1/4	3,111.87	1/4	2,752.85
1/2		1/2		1/2		1/2	4,896.48	1/2	4,539.54	1/2	4,181.07	1/2	3,822.18	1/2	3,463.28	1/2	3,104.39	1/2	2,745.37
3/4		3/4		3/4		3/4	4,889.06	3/4	4,532.09	3/4	4,173.59	3/4	3,814.70	3/4	3,455.81	3/4	3,096.92	3/4	2,737.89
9		9		9		9		9	4,881.64	9	4,524.63	9	4,166.11	9	3,807.22	9	3,448.33	9	3,089.44
1/4		1/4		1/4		1/4	4,874.23	1/4	4,517.18	1/4	4,158.64	1/4	3,799.75	1/4	3,440.85	1/4	3,081.96	1/4	2,722.93
1/2		1/2		1/2		1/2	4,866.81	1/2	4,509.72	1/2	4,151.16	1/2	3,792.27	1/2	3,433.38	1/2	3,074.49	1/2	2,715.45
3/4		3/4		3/4		3/4	4,859.40	3/4	4,502.27	3/4	4,143.68	3/4	3,784.79	3/4	3,425.90	3/4	3,067.01	3/4	2,707.97
10		10		10		10		10	4,851.98	10	4,494.81	10	4,136.21	10	3,777.31	10	3,418.42	10	3,059.53
1/4		1/4		1/4		1/4	4,844.57	1/4	4,487.36	1/4	4,128.73	1/4	3,769.84	1/4	3,410.95	1/4	3,052.06	1/4	2,700.49
1/2		1/2		1/2		1/2	4,837.15	1/2	4,479.90	1/2	4,121.25	1/2	3,762.36	1/2	3,403.47	1/2	3,044.58	1/2	2,685.52
3/4		3/4		3/4		3/4	4,829.74	3/4	4,472.44	3/4	4,113.78	3/4	3,754.88	3/4	3,395.99	3/4	3,037.10	3/4	2,678.04
11		11		11		11		11	4,822.32	11	4,464.99	11	4,106.30	11	3,747.41	11	3,388.52	11	3,029.62
1/4		1/4		1/4		1/4	4,814.90	1/4	4,457.53	1/4	4,098.82	1/4	3,739.93	1/4	3,381.04	1/4	3,022.15	1/4	2,663.08
1/2		1/2		1/2		1/2	4,807.49	1/2	4,450.08	1/2	4,091.34	1/2	3,732.45	1/2	3,373.56	1/2	3,014.67	1/2	2,655.60
3/4		3/4		3/4		3/4	4,800.07	3/4	4,442.62	3/4	4,083.87	3/4	3,724.98	3/4	3,366.09	3/4	3,007.19	3/4	2,648.12

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 46'-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 "HTCO 3121"

## 2 STBD

### ULLAGE TABLE

### HERMETIC

### GAUGE HEIGHT 17'-04"

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	2,640.64	0	2,281.55	0	1,922.47	0	1,563.39	0	1,204.31	0	845.66	0	486.61	0	127.54	0		0	
1/4	2,633.16	1/4	2,274.07	1/4	1,914.99	1/4	1,555.91	1/4	1,196.82	1/4	838.19	1/4	479.13	1/4	120.06	1/4		1/4	
1/2	2,625.68	1/2	2,266.59	1/2	1,907.51	1/2	1,548.43	1/2	1,189.34	1/2	830.72	1/2	471.65	1/2	112.58	1/2		1/2	
3/4	2,618.20	3/4	2,259.11	3/4	1,900.03	3/4	1,540.95	3/4	1,181.86	3/4	823.24	3/4	464.17	3/4	105.09	3/4		3/4	
1	2,610.71	1	2,251.63	1	1,892.55	1	1,533.46	1	1,174.38	1	815.76	1	456.69	1	97.61	1		1	
1/4	2,603.23	1/4	2,244.15	1/4	1,885.07	1/4	1,525.98	1/4	1,166.90	1/4	808.28	1/4	449.21	1/4	90.13	1/4		1/4	
1/2	2,595.75	1/2	2,236.67	1/2	1,877.59	1/2	1,518.50	1/2	1,159.42	1/2	800.80	1/2	441.73	1/2	82.65	1/2		1/2	
3/4	2,588.27	3/4	2,229.19	3/4	1,870.11	3/4	1,511.02	3/4	1,151.94	3/4	793.32	3/4	434.25	3/4	75.17	3/4		3/4	
2	2,580.79	2	2,221.71	2	1,862.62	2	1,503.54	2	1,144.46	2	785.84	2	426.76	2	68.16	2		2	
1/4	2,573.31	1/4	2,214.23	1/4	1,855.14	1/4	1,496.06	1/4	1,136.98	1/4	778.36	1/4	419.28	1/4	61.15	1/4		1/4	
1/2	2,565.83	1/2	2,206.75	1/2	1,847.66	1/2	1,488.58	1/2	1,129.50	1/2	770.88	1/2	411.80	1/2	54.13	1/2		1/2	
3/4	2,558.35	3/4	2,199.26	3/4	1,840.18	3/4	1,481.10	3/4	1,122.03	3/4	763.40	3/4	404.32	3/4	47.12	3/4		3/4	
3	2,550.87	3	2,191.78	3	1,832.70	3	1,473.62	3	1,114.55	3	755.92	3	396.84	3	41.51	3		3	
1/4	2,543.39	1/4	2,184.30	1/4	1,825.22	1/4	1,466.14	1/4	1,107.08	1/4	748.43	1/4	389.36	1/4	35.90	1/4		1/4	
1/2	2,535.91	1/2	2,176.82	1/2	1,817.74	1/2	1,458.66	1/2	1,099.60	1/2	740.95	1/2	381.88	1/2	30.29	1/2		1/2	
3/4	2,528.42	3/4	2,169.34	3/4	1,810.26	3/4	1,451.17	3/4	1,092.13	3/4	733.47	3/4	374.40	3/4	24.68	3/4		3/4	
4	2,520.94	4	2,161.86	4	1,802.78	4	1,443.69	4	1,084.65	4	725.99	4	366.92	4	20.94	4		4	
1/4	2,513.46	1/4	2,154.38	1/4	1,795.30	1/4	1,436.21	1/4	1,077.18	1/4	718.51	1/4	359.44	1/4		1/4		1/4	
1/2	2,505.98	1/2	2,146.90	1/2	1,787.82	1/2	1,428.73	1/2	1,069.71	1/2	711.03	1/2	351.96	1/2		1/2		1/2	
3/4	2,498.50	3/4	2,139.42	3/4	1,780.33	3/4	1,421.25	3/4	1,062.24	3/4	703.55	3/4	344.48	3/4		3/4		3/4	
5	2,491.02	5	2,131.94	5	1,772.85	5	1,413.77	5	1,054.77	5	696.07	5	337.00	5		5		5	
1/4	2,483.54	1/4	2,124.46	1/4	1,765.37	1/4	1,406.29	1/4	1,047.30	1/4	688.59	1/4	329.52	1/4		1/4		1/4	
1/2	2,476.06	1/2	2,116.97	1/2	1,757.89	1/2	1,398.81	1/2	1,039.83	1/2	681.11	1/2	322.03	1/2		1/2		1/2	
3/4	2,468.58	3/4	2,109.49	3/4	1,750.41	3/4	1,391.33	3/4	1,032.37	3/4	673.63	3/4	314.55	3/4		3/4		3/4	
6	2,461.10	6	2,102.01	6	1,742.93	6	1,383.85	6	1,024.90	6	666.15	6	307.07	6		6		6	
1/4	2,453.62	1/4	2,094.53	1/4	1,735.45	1/4	1,376.37	1/4	1,017.43	1/4	658.67	1/4	299.59	1/4		1/4		1/4	
1/2	2,446.13	1/2	2,087.05	1/2	1,727.97	1/2	1,368.88	1/2	1,009.96	1/2	651.19	1/2	292.11	1/2		1/2		1/2	
3/4	2,438.65	3/4	2,079.57	3/4	1,720.49	3/4	1,361.40	3/4	1,002.49	3/4	643.70	3/4	284.63	3/4		3/4		3/4	
7	2,431.17	7	2,072.09	7	1,713.01	7	1,353.92	7	995.03	7	636.22	7	277.15	7		7		7	
1/4	2,423.69	1/4	2,064.61	1/4	1,705.53	1/4	1,346.44	1/4	987.56	1/4	628.74	1/4	269.67	1/4		1/4		1/4	
1/2	2,416.21	1/2	2,057.13	1/2	1,698.04	1/2	1,338.96	1/2	980.09	1/2	621.26	1/2	262.19	1/2		1/2		1/2	
3/4	2,408.73	3/4	2,049.65	3/4	1,690.56	3/4	1,331.48	3/4	972.62	3/4	613.78	3/4	254.71	3/4		3/4		3/4	
8	2,401.25	8	2,042.17	8	1,683.08	8	1,324.00	8	965.15	8	606.30	8	247.23	8		8		8	
1/4	2,393.77	1/4	2,034.68	1/4	1,675.60	1/4	1,316.52	1/4	957.69	1/4	598.82	1/4	239.75	1/4		1/4		1/4	
1/2	2,386.29	1/2	2,027.20	1/2	1,668.12	1/2	1,309.04	1/2	950.22	1/2	591.34	1/2	232.27	1/2		1/2		1/2	
3/4	2,378.81	3/4	2,019.72	3/4	1,660.64	3/4	1,301.56	3/4	942.75	3/4	583.86	3/4	224.79	3/4		3/4		3/4	
9	2,371.33	9	2,012.24	9	1,653.16	9	1,294.08	9	935.28	9	576.38	9	217.30	9		9		9	
1/4	2,363.84	1/4	2,004.76	1/4	1,645.68	1/4	1,286.59	1/4	927.82	1/4	568.90	1/4	209.82	1/4		1/4		1/4	
1/2	2,356.36	1/2	1,997.28	1/2	1,638.20	1/2	1,279.11	1/2	920.35	1/2	561.42	1/2	202.34	1/2		1/2		1/2	
3/4	2,348.88	3/4	1,989.80	3/4	1,630.72	3/4	1,271.63	3/4	912.88	3/4	553.94	3/4	194.86	3/4		3/4		3/4	
10	2,341.40	10	1,982.32	10	1,623.24	10	1,264.15	10	905.41	10	546.46	10	187.38	10		10		10	
1/4	2,333.92	1/4	1,974.84	1/4	1,615.75	1/4	1,256.67	1/4	897.94	1/4	538.97	1/4	179.90	1/4		1/4		1/4	
1/2	2,326.44	1/2	1,967.36	1/2	1,608.27	1/2	1,249.19	1/2	890.48	1/2	531.49	1/2	172.42	1/2		1/2		1/2	
3/4	2,318.96	3/4	1,959.88	3/4	1,600.79	3/4	1,241.71	3/4	883.01	3/4	524.01	3/4	164.94	3/4		3/4		3/4	
11	2,311.48	11	1,952.40	11	1,593.31	11	1,234.23	11	875.54	11	516.53	11	157.46	11		11		11	
1/4	2,304.00	1/4	1,944.91	1/4	1,585.83	1/4	1,226.75	1/4	868.07	1/4	509.05	1/4	149.98	1/4		1/4		1/4	
1/2	2,296.52	1/2	1,937.43	1/2	1,578.35	1/2	1,219.27	1/2	860.60	1/2	501.57	1/2	142.50	1/2		1/2		1/2	
3/4	2,289.04	3/4	1,929.95	3/4	1,570.87	3/4	1,211.79	3/4	853.14	3/4	494.09	3/4	135.02	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/23/2014 PMA  
RECALCULATED: 03/16/2019 CL  
VERIFIED: 04/01/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "HTCO 3121"

## 3 PORT ULLAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

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	4,380.09	0	4,133.88	0	3,886.82	0	3,639.70	0	3,315.70	0	2,959.48
1/4		1/4		1/4		1/4		1/4	4,374.99	1/4	4,128.75	1/4	3,881.67	1/4	3,634.55	1/4	3,308.30	1/4	2,952.05
1/2		1/2		1/2		1/2		1/2	4,369.88	1/2	4,123.62	1/2	3,876.52	1/2	3,629.40	1/2	3,300.90	1/2	2,944.63
3/4		3/4		3/4		3/4		3/4	4,364.77	3/4	4,118.48	3/4	3,871.37	3/4	3,624.25	3/4	3,293.49	3/4	2,937.20
1		1		1		1		1	4,359.67	1	4,113.33	1	3,866.23	1	3,619.10	1	3,286.09	1	2,929.77
1/4		1/4		1/4		1/4		1/4	4,588.04	1/4	4,354.56	1/4	4,108.19	1/4	3,861.08	1/4	3,613.95	1/4	3,278.68
1/2		1/2		1/2		1/2		1/2	4,585.59	1/2	4,349.45	1/2	4,103.05	1/2	3,855.93	1/2	3,608.81	1/2	3,271.28
3/4		3/4		3/4		3/4		3/4	4,582.08	3/4	4,344.33	3/4	4,097.90	3/4	3,850.78	3/4	3,603.66	3/4	3,263.87
2		2		2		2		2	4,578.57	2	4,339.21	2	4,092.75	2	3,845.63	2	3,598.51	2	3,256.45
1/4		1/4		1/4		1/4		1/4	4,575.05	1/4	4,334.09	1/4	4,087.61	1/4	3,840.48	1/4	3,593.36	1/4	3,249.04
1/2		1/2		1/2		1/2		1/2	4,571.54	1/2	4,328.97	1/2	4,082.46	1/2	3,835.33	1/2	3,588.21	1/2	3,241.62
3/4		3/4		3/4		3/4		3/4	4,567.03	3/4	4,323.84	3/4	4,077.31	3/4	3,830.19	3/4	3,582.49	3/4	3,234.20
3		3		3		3		3	4,562.52	3	4,318.70	3	4,072.16	3	3,825.04	3	3,576.77	3	3,226.77
1/4		1/4		1/4		1/4		1/4	4,558.01	1/4	4,313.57	1/4	4,067.01	1/4	3,819.89	1/4	3,571.04	1/4	3,219.35
1/2		1/2		1/2		1/2		1/2	4,553.50	1/2	4,308.44	1/2	4,061.86	1/2	3,814.74	1/2	3,565.32	1/2	3,211.92
3/4		3/4		3/4		3/4		3/4	4,548.46	3/4	4,303.30	3/4	4,056.72	3/4	3,809.59	3/4	3,558.46	3/4	3,204.50
4		4		4		4		4	4,543.41	4	4,298.17	4	4,051.57	4	3,804.44	4	3,551.61	4	3,197.07
1/4		1/4		1/4		1/4		1/4	4,538.37	1/4	4,293.04	1/4	4,046.42	1/4	3,799.30	1/4	3,544.75	1/4	3,189.65
1/2		1/2		1/2		1/2		1/2	4,533.33	1/2	4,287.90	1/2	4,041.27	1/2	3,794.15	1/2	3,537.90	1/2	3,182.22
3/4		3/4		3/4		3/4		3/4	4,528.22	3/4	4,282.77	3/4	4,036.12	3/4	3,789.00	3/4	3,530.48	3/4	3,174.80
5		5		5		5		5	4,523.11	5	4,277.63	5	4,030.97	5	3,783.85	5	3,523.06	5	3,167.37
1/4		1/4		1/4		1/4		1/4	4,518.00	1/4	4,272.50	1/4	4,025.83	1/4	3,778.70	1/4	3,515.65	1/4	3,159.95
1/2		1/2		1/2		1/2		1/2	4,512.89	1/2	4,267.37	1/2	4,020.68	1/2	3,773.55	1/2	3,508.23	1/2	3,152.52
3/4		3/4		3/4		3/4		3/4	4,507.78	3/4	4,262.23	3/4	4,015.53	3/4	3,768.41	3/4	3,500.82	3/4	3,145.10
6		6		6		6		6	4,502.67	6	4,257.10	6	4,010.38	6	3,763.26	6	3,493.41	6	3,137.67
1/4		1/4		1/4		1/4		1/4	4,497.56	1/4	4,251.96	1/4	4,005.23	1/4	3,758.11	1/4	3,486.00	1/4	3,130.25
1/2		1/2		1/2		1/2		1/2	4,492.45	1/2	4,246.83	1/2	4,000.08	1/2	3,752.96	1/2	3,478.59	1/2	3,122.83
3/4		3/4		3/4		3/4		3/4	4,487.35	3/4	4,241.70	3/4	3,994.94	3/4	3,747.81	3/4	3,471.19	3/4	3,115.40
7		7		7		7		7	4,482.24	7	4,236.56	7	3,989.79	7	3,742.66	7	3,463.79	7	3,107.98
1/4		1/4		1/4		1/4		1/4	4,477.13	1/4	4,231.43	1/4	3,984.64	1/4	3,737.52	1/4	3,456.38	1/4	3,100.55
1/2		1/2		1/2		1/2		1/2	4,472.02	1/2	4,226.29	1/2	3,979.49	1/2	3,732.37	1/2	3,448.98	1/2	3,093.13
3/4		3/4		3/4		3/4		3/4	4,466.91	3/4	4,221.16	3/4	3,974.34	3/4	3,727.22	3/4	3,441.57	3/4	3,085.70
8		8		8		8		8	4,461.80	8	4,216.03	8	3,969.19	8	3,722.07	8	3,434.17	8	3,078.28
1/4		1/4		1/4		1/4		1/4	4,456.69	1/4	4,210.89	1/4	3,964.04	1/4	3,716.92	1/4	3,426.77	1/4	3,070.85
1/2		1/2		1/2		1/2		1/2	4,451.59	1/2	4,205.76	1/2	3,958.90	1/2	3,711.77	1/2	3,419.36	1/2	3,063.43
3/4		3/4		3/4		3/4		3/4	4,446.48	3/4	4,200.63	3/4	3,953.75	3/4	3,706.62	3/4	3,411.96	3/4	3,056.00
9		9		9		9		9	4,441.37	9	4,195.49	9	3,948.60	9	3,701.48	9	3,404.55	9	3,048.58
1/4		1/4		1/4		1/4		1/4	4,436.27	1/4	4,190.36	1/4	3,943.45	1/4	3,696.33	1/4	3,397.15	1/4	3,041.15
1/2		1/2		1/2		1/2		1/2	4,431.16	1/2	4,185.22	1/2	3,938.30	1/2	3,691.18	1/2	3,389.75	1/2	3,033.73
3/4		3/4		3/4		3/4		3/4	4,426.05	3/4	4,180.09	3/4	3,933.15	3/4	3,686.03	3/4	3,382.34	3/4	3,026.30
10		10		10		10		10	4,420.95	10	4,174.96	10	3,928.01	10	3,680.88	10	3,374.94	10	3,018.88
1/4		1/4		1/4		1/4		1/4	4,415.84	1/4	4,169.82	1/4	3,922.86	1/4	3,675.73	1/4	3,367.53	1/4	3,011.45
1/2		1/2		1/2		1/2		1/2	4,410.73	1/2	4,164.69	1/2	3,917.71	1/2	3,670.59	1/2	3,360.13	1/2	3,004.03
3/4		3/4		3/4		3/4		3/4	4,405.63	3/4	4,159.55	3/4	3,912.56	3/4	3,665.44	3/4	3,352.72	3/4	2,996.60
11		11		11		11		11	4,400.52	11	4,154.42	11	3,907.41	11	3,660.29	11	3,345.32	11	2,989.18
1/4		1/4		1/4		1/4		1/4	4,395.41	1/4	4,149.29	1/4	3,902.26	1/4	3,655.14	1/4	3,337.92	1/4	2,981.75
1/2		1/2		1/2		1/2		1/2	4,390.31	1/2	4,144.15	1/2	3,897.12	1/2	3,649.99	1/2	3,330.51	1/2	2,974.33
3/4		3/4		3/4		3/4		3/4	4,385.20	3/4	4,139.02	3/4	3,891.97	3/4	3,644.84	3/4	3,323.11	3/4	2,966.90

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 46'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "HTCO 3121"

## 3 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	2,602.95	0	2,247.35	0	1,893.41	0	1,536.60	0	1,179.94	0	833.43	0	476.60	0	119.55	0		0	
1/4	2,595.52	1/4	2,239.96	1/4	1,886.00	1/4	1,529.16	1/4	1,172.61	1/4	826.11	1/4	469.16	1/4	112.11	1/4		1/4	
1/2	2,588.09	1/2	2,232.58	1/2	1,878.60	1/2	1,521.73	1/2	1,165.28	1/2	818.79	1/2	461.72	1/2	104.66	1/2		1/2	
3/4	2,580.66	3/4	2,225.21	3/4	1,871.16	3/4	1,514.29	3/4	1,158.05	3/4	811.35	3/4	454.28	3/4	97.22	3/4		3/4	
1	2,573.22	1	2,217.83	1	1,863.73	1	1,506.86	1	1,150.83	1	803.91	1	446.85	1	89.77	1		1	
1/4	2,565.79	1/4	2,210.46	1/4	1,856.29	1/4	1,499.42	1/4	1,143.60	1/4	796.47	1/4	439.41	1/4	82.32	1/4		1/4	
1/2	2,558.35	1/2	2,203.09	1/2	1,848.86	1/2	1,491.99	1/2	1,136.38	1/2	789.03	1/2	431.97	1/2	74.87	1/2		1/2	
3/4	2,550.92	3/4	2,195.72	3/4	1,841.42	3/4	1,484.55	3/4	1,129.16	3/4	781.59	3/4	424.53	3/4	67.89	3/4		3/4	
2	2,543.48	2	2,188.35	2	1,833.99	2	1,477.12	2	1,121.94	2	774.16	2	417.09	2	60.90	2		2	
1/4	2,536.05	1/4	2,180.97	1/4	1,826.55	1/4	1,469.68	1/4	1,114.72	1/4	766.72	1/4	409.66	1/4	53.92	1/4		1/4	
1/2	2,528.61	1/2	2,173.60	1/2	1,819.12	1/2	1,462.25	1/2	1,107.50	1/2	759.28	1/2	402.22	1/2	46.93	1/2		1/2	
3/4	2,521.18	3/4	2,166.23	3/4	1,811.68	3/4	1,454.81	3/4	1,100.29	3/4	751.84	3/4	394.78	3/4	41.34	3/4		3/4	
3	2,513.74	3	2,158.86	3	1,804.25	3	1,447.38	3	1,093.08	3	744.40	3	387.34	3	35.75	3		3	
1/4	2,506.31	1/4	2,151.49	1/4	1,796.81	1/4	1,439.94	1/4	1,085.87	1/4	736.96	1/4	379.91	1/4	30.17	1/4		1/4	
1/2	2,498.87	1/2	2,144.11	1/2	1,789.38	1/2	1,432.51	1/2	1,078.66	1/2	729.52	1/2	372.47	1/2	24.58	1/2		1/2	
3/4	2,491.46	3/4	2,136.74	3/4	1,781.94	3/4	1,425.07	3/4	1,071.45	3/4	722.08	3/4	365.03	3/4	20.86	3/4		3/4	
4	2,484.04	4	2,129.37	4	1,774.51	4	1,417.64	4	1,064.24	4	714.64	4	357.59	4		4		4	
1/4	2,476.63	1/4	2,122.00	1/4	1,767.08	1/4	1,410.20	1/4	1,057.03	1/4	707.20	1/4	350.16	1/4		1/4		1/4	
1/2	2,469.21	1/2	2,114.63	1/2	1,759.64	1/2	1,402.77	1/2	1,049.82	1/2	699.77	1/2	342.72	1/2		1/2		1/2	
3/4	2,461.82	3/4	2,107.25	3/4	1,752.21	3/4	1,395.34	3/4	1,042.61	3/4	692.33	3/4	335.28	3/4		3/4		3/4	
5	2,454.42	5	2,099.88	5	1,744.77	5	1,387.90	5	1,035.41	5	684.89	5	327.84	5		5		5	
1/4	2,447.02	1/4	2,092.51	1/4	1,737.34	1/4	1,380.47	1/4	1,028.20	1/4	677.45	1/4	320.40	1/4		1/4		1/4	
1/2	2,439.63	1/2	2,085.14	1/2	1,729.90	1/2	1,373.03	1/2	1,021.00	1/2	670.01	1/2	312.97	1/2		1/2		1/2	
3/4	2,432.23	3/4	2,077.77	3/4	1,722.47	3/4	1,365.60	3/4	1,013.79	3/4	662.57	3/4	305.53	3/4		3/4		3/4	
6	2,424.83	6	2,070.40	6	1,715.03	6	1,358.16	6	1,006.59	6	655.13	6	298.09	6		6		6	
1/4	2,417.44	1/4	2,063.02	1/4	1,707.60	1/4	1,350.73	1/4	999.38	1/4	647.69	1/4	290.65	1/4		1/4		1/4	
1/2	2,410.04	1/2	2,055.65	1/2	1,700.16	1/2	1,343.29	1/2	992.18	1/2	640.25	1/2	283.22	1/2		1/2		1/2	
3/4	2,402.64	3/4	2,048.28	3/4	1,692.73	3/4	1,335.86	3/4	984.97	3/4	632.81	3/4	275.78	3/4		3/4		3/4	
7	2,395.25	7	2,040.91	7	1,685.29	7	1,328.42	7	977.77	7	625.38	7	268.34	7		7		7	
1/4	2,387.85	1/4	2,033.54	1/4	1,677.86	1/4	1,320.99	1/4	970.56	1/4	617.94	1/4	260.90	1/4		1/4		1/4	
1/2	2,380.46	1/2	2,026.16	1/2	1,670.42	1/2	1,313.55	1/2	963.36	1/2	610.50	1/2	253.47	1/2		1/2		1/2	
3/4	2,373.06	3/4	2,018.79	3/4	1,662.99	3/4	1,306.12	3/4	956.15	3/4	603.06	3/4	246.03	3/4		3/4		3/4	
8	2,365.66	8	2,011.42	8	1,655.55	8	1,298.68	8	948.95	8	595.62	8	238.59	8		8		8	
1/4	2,358.27	1/4	2,004.05	1/4	1,648.12	1/4	1,291.25	1/4	941.74	1/4	588.18	1/4	231.15	1/4		1/4		1/4	
1/2	2,350.87	1/2	1,996.68	1/2	1,640.68	1/2	1,283.81	1/2	934.54	1/2	580.74	1/2	223.71	1/2		1/2		1/2	
3/4	2,343.47	3/4	1,989.30	3/4	1,633.25	3/4	1,276.38	3/4	927.33	3/4	573.30	3/4	216.27	3/4		3/4		3/4	
9	2,336.08	9	1,981.93	9	1,625.81	9	1,268.94	9	920.13	9	565.86	9	208.83	9		9		9	
1/4	2,328.68	1/4	1,974.56	1/4	1,618.38	1/4	1,261.51	1/4	912.92	1/4	558.42	1/4	201.39	1/4		1/4		1/4	
1/2	2,321.29	1/2	1,967.19	1/2	1,610.94	1/2	1,254.07	1/2	905.72	1/2	550.99	1/2	193.96	1/2		1/2		1/2	
3/4	2,313.89	3/4	1,959.82	3/4	1,603.51	3/4	1,246.64	3/4	898.51	3/4	543.55	3/4	186.52	3/4		3/4		3/4	
10	2,306.49	10	1,952.44	10	1,596.07	10	1,239.20	10	891.31	10	536.11	10	179.08	10		10		10	
1/4	2,299.10	1/4	1,945.07	1/4	1,588.64	1/4	1,231.77	1/4	884.10	1/4	528.67	1/4	171.64	1/4		1/4		1/4	
1/2	2,291.70	1/2	1,937.70	1/2	1,581.21	1/2	1,224.33	1/2	876.90	1/2	521.23	1/2	164.20	1/2		1/2		1/2	
3/4	2,284.30	3/4	1,930.33	3/4	1,573.77	3/4	1,216.90	3/4	869.69	3/4	513.79	3/4	156.76	3/4		3/4		3/4	
11	2,276.91	11	1,922.96	11	1,566.34	11	1,209.47	11	862.49	11	506.35	11	149.32	11		11		11	
1/4	2,269.51	1/4	1,915.59	1/4	1,558.90	1/4	1,202.03	1/4	855.28	1/4	498.91	1/4	141.88	1/4		1/4		1/4	
1/2	2,262.12	1/2	1,908.21	1/2	1,551.47	1/2	1,194.60	1/2	848.08	1/2	491.47	1/2	134.44	1/2		1/2		1/2	
3/4	2,254.73	3/4	1,900.81	3/4	1,544.03	3/4	1,187.27	3/4	840.76	3/4	484.04	3/4	126.99	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/23/2014 PMA  
RECALCULATED: 03/16/2019 CL  
VERIFIED: 04/01/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

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



# BARGE "HTCO 3121"

## 3 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	4,397.84	0	4,151.48	0	3,904.27	0	3,657.02	0	3,330.23	0	2,973.12
1/4		1/4		1/4		1/4		1/4	4,392.73	1/4	4,146.34	1/4	3,899.12	1/4	3,651.87	1/4	3,322.81	1/4	2,965.67
1/2		1/2		1/2		1/2		1/2	4,387.62	1/2	4,141.19	1/2	3,893.96	1/2	3,646.72	1/2	3,315.39	1/2	2,958.23
3/4		3/4		3/4		3/4		3/4	4,382.51	3/4	4,136.05	3/4	3,888.81	3/4	3,641.57	3/4	3,307.96	3/4	2,950.78
1		1		1		1	4,611.01	1	4,377.40	1	4,130.90	1	3,883.66	1	3,636.41	1	3,300.54	1	2,943.33
1/4		1/4		1/4		1/4	4,608.56	1/4	4,372.29	1/4	4,125.76	1/4	3,878.51	1/4	3,631.26	1/4	3,293.12	1/4	2,935.89
1/2		1/2		1/2		1/2	4,605.05	1/2	4,367.17	1/2	4,120.61	1/2	3,873.36	1/2	3,626.11	1/2	3,285.69	1/2	2,928.44
3/4		3/4		3/4		3/4	4,601.53	3/4	4,362.05	3/4	4,115.46	3/4	3,868.21	3/4	3,620.96	3/4	3,278.26	3/4	2,921.00
2		2		2		2	4,598.02	2	4,356.93	2	4,110.31	2	3,863.06	2	3,615.81	2	3,270.82	2	2,913.55
1/4		1/4		1/4		1/4	4,594.50	1/4	4,351.80	1/4	4,105.16	1/4	3,857.91	1/4	3,610.66	1/4	3,263.39	1/4	2,906.11
1/2		1/2		1/2		1/2	4,589.99	1/2	4,346.67	1/2	4,100.00	1/2	3,852.76	1/2	3,604.93	1/2	3,255.95	1/2	2,898.66
3/4		3/4		3/4		3/4	4,585.47	3/4	4,341.53	3/4	4,094.85	3/4	3,847.61	3/4	3,599.21	3/4	3,248.50	3/4	2,891.22
3		3		3		3	4,580.96	3	4,336.39	3	4,089.70	3	3,842.45	3	3,593.48	3	3,241.06	3	2,883.77
1/4		1/4		1/4		1/4	4,576.45	1/4	4,331.26	1/4	4,084.55	1/4	3,837.30	1/4	3,587.76	1/4	3,233.62	1/4	2,876.32
1/2		1/2		1/2		1/2	4,571.40	1/2	4,326.12	1/2	4,079.40	1/2	3,832.15	1/2	3,580.90	1/2	3,226.18	1/2	2,868.88
3/4		3/4		3/4		3/4	4,566.36	3/4	4,320.98	3/4	4,074.25	3/4	3,827.00	3/4	3,574.04	3/4	3,218.73	3/4	2,861.43
4		4		4		4	4,561.31	4	4,315.85	4	4,069.10	4	3,821.85	4	3,567.18	4	3,211.29	4	2,853.99
1/4		1/4		1/4		1/4	4,556.26	1/4	4,310.71	1/4	4,063.95	1/4	3,816.70	1/4	3,560.32	1/4	3,203.85	1/4	2,846.54
1/2		1/2		1/2		1/2	4,551.15	1/2	4,305.57	1/2	4,058.80	1/2	3,811.55	1/2	3,552.90	1/2	3,196.40	1/2	2,839.10
3/4		3/4		3/4		3/4	4,546.04	3/4	4,300.44	3/4	4,053.65	3/4	3,806.40	3/4	3,545.47	3/4	3,188.96	3/4	2,831.65
5		5		5		5	4,540.93	5	4,295.30	5	4,048.49	5	3,801.25	5	3,538.05	5	3,181.52	5	2,824.21
1/4		1/4		1/4		1/4	4,535.82	1/4	4,290.16	1/4	4,043.34	1/4	3,796.10	1/4	3,530.63	1/4	3,174.08	1/4	2,816.76
1/2		1/2		1/2		1/2	4,530.70	1/2	4,285.03	1/2	4,038.19	1/2	3,790.94	1/2	3,523.21	1/2	3,166.63	1/2	2,809.31
3/4		3/4		3/4		3/4	4,525.59	3/4	4,279.89	3/4	4,033.04	3/4	3,785.79	3/4	3,515.79	3/4	3,159.19	3/4	2,801.87
6		6		6		6	4,520.48	6	4,274.75	6	4,027.89	6	3,780.64	6	3,508.36	6	3,151.75	6	2,794.42
1/4		1/4		1/4		1/4	4,515.37	1/4	4,269.62	1/4	4,022.74	1/4	3,775.49	1/4	3,500.94	1/4	3,144.30	1/4	2,786.98
1/2		1/2		1/2		1/2	4,510.26	1/2	4,264.48	1/2	4,017.59	1/2	3,770.34	1/2	3,493.52	1/2	3,136.86	1/2	2,779.53
3/4		3/4		3/4		3/4	4,505.14	3/4	4,259.35	3/4	4,012.44	3/4	3,765.19	3/4	3,486.10	3/4	3,129.42	3/4	2,772.09
7		7		7		7	4,500.03	7	4,254.21	7	4,007.29	7	3,760.04	7	3,478.67	7	3,121.98	7	2,764.64
1/4		1/4		1/4		1/4	4,494.92	1/4	4,249.07	1/4	4,002.14	1/4	3,754.89	1/4	3,471.25	1/4	3,114.53	1/4	2,757.19
1/2		1/2		1/2		1/2	4,489.81	1/2	4,243.94	1/2	3,996.98	1/2	3,749.74	1/2	3,463.83	1/2	3,107.09	1/2	2,749.75
3/4		3/4		3/4		3/4	4,484.70	3/4	4,238.80	3/4	3,991.83	3/4	3,744.59	3/4	3,456.41	3/4	3,099.65	3/4	2,742.30
8		8		8		8	4,479.59	8	4,233.66	8	3,986.68	8	3,739.43	8	3,448.99	8	3,092.20	8	2,734.86
1/4		1/4		1/4		1/4	4,474.48	1/4	4,228.53	1/4	3,981.53	1/4	3,734.28	1/4	3,441.56	1/4	3,084.76	1/4	2,727.41
1/2		1/2		1/2		1/2	4,469.37	1/2	4,223.39	1/2	3,976.38	1/2	3,729.13	1/2	3,434.14	1/2	3,077.32	1/2	2,719.97
3/4		3/4		3/4		3/4	4,464.26	3/4	4,218.25	3/4	3,971.23	3/4	3,723.98	3/4	3,426.72	3/4	3,069.88	3/4	2,712.52
9		9		9		9	4,459.15	9	4,213.12	9	3,966.08	9	3,718.83	9	3,419.30	9	3,062.43	9	2,705.08
1/4		1/4		1/4		1/4	4,454.04	1/4	4,207.98	1/4	3,960.93	1/4	3,713.68	1/4	3,411.88	1/4	3,054.99	1/4	2,697.63
1/2		1/2		1/2		1/2	4,448.93	1/2	4,202.84	1/2	3,955.78	1/2	3,708.53	1/2	3,404.45	1/2	3,047.55	1/2	2,690.18
3/4		3/4		3/4		3/4	4,443.82	3/4	4,197.71	3/4	3,950.63	3/4	3,703.38	3/4	3,397.03	3/4	3,040.10	3/4	2,682.74
10		10		10		10	4,438.71	10	4,192.57	10	3,945.47	10	3,698.23	10	3,389.61	10	3,032.66	10	2,675.29
1/4		1/4		1/4		1/4	4,433.60	1/4	4,187.43	1/4	3,940.32	1/4	3,693.08	1/4	3,382.19	1/4	3,025.22	1/4	2,667.85
1/2		1/2		1/2		1/2	4,428.50	1/2	4,182.30	1/2	3,935.17	1/2	3,687.92	1/2	3,374.76	1/2	3,017.77	1/2	2,660.40
3/4		3/4		3/4		3/4	4,423.39	3/4	4,177.16	3/4	3,930.02	3/4	3,682.77	3/4	3,367.34	3/4	3,010.33	3/4	2,652.96
11		11		11		11	4,418.28	11	4,172.02	11	3,924.87	11	3,677.62	11	3,359.92	11	3,002.89	11	2,645.51
1/4		1/4		1/4		1/4	4,413.17	1/4	4,166.89	1/4	3,919.72	1/4	3,672.47	1/4	3,352.50	1/4	2,995.45	1/4	2,638.07
1/2		1/2		1/2		1/2	4,408.06	1/2	4,161.75	1/2	3,914.57	1/2	3,667.32	1/2	3,345.08	1/2	2,988.00	1/2	2,630.62
3/4		3/4		3/4		3/4	4,402.95	3/4	4,156.61	3/4	3,909.42	3/4	3,662.17	3/4	3,337.65	3/4	2,980.56	3/4	2,623.17

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 46'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HTCO 3121"

## 3 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	2,615.72	0	2,257.99	0	1,900.25	0	1,542.52	0	1,184.78	0	827.60	0	469.88	0	112.15	0		0	
1/4	2,608.27	1/4	2,250.53	1/4	1,892.80	1/4	1,535.06	1/4	1,177.33	1/4	820.15	1/4	462.43	1/4	104.70	1/4		1/4	
1/2	2,600.82	1/2	2,243.08	1/2	1,885.35	1/2	1,527.61	1/2	1,169.88	1/2	812.70	1/2	454.97	1/2	97.25	1/2		1/2	
3/4	2,593.36	3/4	2,235.63	3/4	1,877.89	3/4	1,520.16	3/4	1,162.42	3/4	805.25	3/4	447.52	3/4	89.80	3/4		3/4	
1	2,585.91	1	2,228.18	1	1,870.44	1	1,512.71	1	1,154.97	1	797.79	1	440.07	1	82.34	1		1	
1/4	2,578.46	1/4	2,220.72	1/4	1,862.99	1/4	1,505.25	1/4	1,147.52	1/4	790.34	1/4	432.62	1/4	74.89	1/4		1/4	
1/2	2,571.00	1/2	2,213.27	1/2	1,855.54	1/2	1,497.80	1/2	1,140.07	1/2	782.89	1/2	425.16	1/2	67.90	1/2		1/2	
3/4	2,563.55	3/4	2,205.82	3/4	1,848.08	3/4	1,490.35	3/4	1,132.62	3/4	775.44	3/4	417.71	3/4	60.92	3/4		3/4	
2	2,556.10	2	2,198.36	2	1,840.63	2	1,482.90	2	1,125.17	2	767.98	2	410.26	2	53.93	2		2	
1/4	2,548.65	1/4	2,190.91	1/4	1,833.18	1/4	1,475.44	1/4	1,117.72	1/4	760.53	1/4	402.81	1/4	46.94	1/4		1/4	
1/2	2,541.19	1/2	2,183.46	1/2	1,825.72	1/2	1,467.99	1/2	1,110.28	1/2	753.08	1/2	395.35	1/2	41.35	1/2		1/2	
3/4	2,533.74	3/4	2,176.01	3/4	1,818.27	3/4	1,460.54	3/4	1,102.83	3/4	745.63	3/4	387.90	3/4	35.77	3/4		3/4	
3	2,526.29	3	2,168.55	3	1,810.82	3	1,453.08	3	1,095.39	3	738.17	3	380.45	3	30.18	3		3	
1/4	2,518.83	1/4	2,161.10	1/4	1,803.37	1/4	1,445.63	1/4	1,087.94	1/4	730.72	1/4	373.00	1/4	24.59	1/4		1/4	
1/2	2,511.38	1/2	2,153.65	1/2	1,795.91	1/2	1,438.18	1/2	1,080.50	1/2	723.27	1/2	365.54	1/2	20.86	1/2		1/2	
3/4	2,503.93	3/4	2,146.19	3/4	1,788.46	3/4	1,430.73	3/4	1,073.06	3/4	715.82	3/4	358.09	3/4		3/4		3/4	
4	2,496.48	4	2,138.74	4	1,781.01	4	1,423.27	4	1,065.62	4	708.36	4	350.64	4		4		4	
1/4	2,489.02	1/4	2,131.29	1/4	1,773.55	1/4	1,415.82	1/4	1,058.18	1/4	700.91	1/4	343.19	1/4		1/4		1/4	
1/2	2,481.57	1/2	2,123.84	1/2	1,766.10	1/2	1,408.37	1/2	1,050.74	1/2	693.46	1/2	335.73	1/2		1/2		1/2	
3/4	2,474.12	3/4	2,116.38	3/4	1,758.65	3/4	1,400.91	3/4	1,043.31	3/4	686.00	3/4	328.28	3/4		3/4		3/4	
5	2,466.66	5	2,108.93	5	1,751.20	5	1,393.46	5	1,035.87	5	678.55	5	320.83	5		5		5	
1/4	2,459.21	1/4	2,101.48	1/4	1,743.74	1/4	1,386.01	1/4	1,028.43	1/4	671.10	1/4	313.37	1/4		1/4		1/4	
1/2	2,451.76	1/2	2,094.02	1/2	1,736.29	1/2	1,378.56	1/2	1,020.99	1/2	663.65	1/2	305.92	1/2		1/2		1/2	
3/4	2,444.31	3/4	2,086.57	3/4	1,728.84	3/4	1,371.10	3/4	1,013.56	3/4	656.19	3/4	298.47	3/4		3/4		3/4	
6	2,436.85	6	2,079.12	6	1,721.38	6	1,363.65	6	1,006.12	6	648.74	6	291.02	6		6		6	
1/4	2,429.40	1/4	2,071.67	1/4	1,713.93	1/4	1,356.20	1/4	998.68	1/4	641.29	1/4	283.56	1/4		1/4		1/4	
1/2	2,421.95	1/2	2,064.21	1/2	1,706.48	1/2	1,348.74	1/2	991.24	1/2	633.84	1/2	276.11	1/2		1/2		1/2	
3/4	2,414.50	3/4	2,056.76	3/4	1,699.03	3/4	1,341.29	3/4	983.81	3/4	626.38	3/4	268.66	3/4		3/4		3/4	
7	2,407.04	7	2,049.31	7	1,691.57	7	1,333.84	7	976.37	7	618.93	7	261.21	7		7		7	
1/4	2,399.59	1/4	2,041.86	1/4	1,684.12	1/4	1,326.39	1/4	968.93	1/4	611.48	1/4	253.75	1/4		1/4		1/4	
1/2	2,392.14	1/2	2,034.40	1/2	1,676.67	1/2	1,318.93	1/2	961.49	1/2	604.03	1/2	246.30	1/2		1/2		1/2	
3/4	2,384.68	3/4	2,026.95	3/4	1,669.22	3/4	1,311.48	3/4	954.06	3/4	596.57	3/4	238.85	3/4		3/4		3/4	
8	2,377.23	8	2,019.50	8	1,661.76	8	1,304.03	8	946.62	8	589.12	8	231.40	8		8		8	
1/4	2,369.78	1/4	2,012.04	1/4	1,654.31	1/4	1,296.58	1/4	939.18	1/4	581.67	1/4	223.94	1/4		1/4		1/4	
1/2	2,362.33	1/2	2,004.59	1/2	1,646.86	1/2	1,289.12	1/2	931.74	1/2	574.22	1/2	216.49	1/2		1/2		1/2	
3/4	2,354.87	3/4	1,997.14	3/4	1,639.40	3/4	1,281.67	3/4	924.30	3/4	566.76	3/4	209.04	3/4		3/4		3/4	
9	2,347.42	9	1,989.69	9	1,631.95	9	1,274.22	9	916.87	9	559.31	9	201.59	9		9		9	
1/4	2,339.97	1/4	1,982.23	1/4	1,624.50	1/4	1,266.76	1/4	909.43	1/4	551.86	1/4	194.13	1/4		1/4		1/4	
1/2	2,332.51	1/2	1,974.78	1/2	1,617.05	1/2	1,259.31	1/2	901.99	1/2	544.41	1/2	186.68	1/2		1/2		1/2	
3/4	2,325.06	3/4	1,967.33	3/4	1,609.59	3/4	1,251.86	3/4	894.55	3/4	536.95	3/4	179.23	3/4		3/4		3/4	
10	2,317.61	10	1,959.87	10	1,602.14	10	1,244.41	10	887.12	10	529.50	10	171.78	10		10		10	
1/4	2,310.16	1/4	1,952.42	1/4	1,594.69	1/4	1,236.95	1/4	879.68	1/4	522.05	1/4	164.32	1/4		1/4		1/4	
1/2	2,302.70	1/2	1,944.97	1/2	1,587.23	1/2	1,229.50	1/2	872.24	1/2	514.59	1/2	156.87	1/2		1/2		1/2	
3/4	2,295.25	3/4	1,937.52	3/4	1,579.78	3/4	1,222.05	3/4	864.80	3/4	507.14	3/4	149.42	3/4		3/4		3/4	
11	2,287.80	11	1,930.06	11	1,572.33	11	1,214.59	11	857.37	11	499.69	11	141.96	11		11		11	
1/4	2,280.34	1/4	1,922.61	1/4	1,564.88	1/4	1,207.14	1/4	849.93	1/4	492.24	1/4	134.51	1/4		1/4		1/4	
1/2	2,272.89	1/2	1,915.16	1/2	1,557.42	1/2	1,199.69	1/2	842.48	1/2	484.78	1/2	127.06	1/2		1/2		1/2	
3/4	2,265.44	3/4	1,907.70	3/4	1,549.97	3/4	1,192.24	3/4	835.04	3/4	477.33	3/4	119.61	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/23/2014 PMA  
RECALCULATED: 03/16/2019 CL  
VERIFIED: 04/01/2024 CL

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024



# BARGE "HTCO 3121"

## FWD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE 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	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.

STRAPPED: 01/22/2014 CL  
CALCULATED: 01/22/2014 CL  
VERIFIED: 04/01/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

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 3121"

## AFT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE 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	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 .

STRAPPED: 01/22/2014 CL  
CALCULATED: 01/22/2014 CL  
VERIFIED: 04/01/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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