

# BARGE "HTCO 3114"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-09"

March 20, 2024

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

<http://www.pmacorp.net>



# BARGE "HTCO 3114"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 17'-03 1/2"

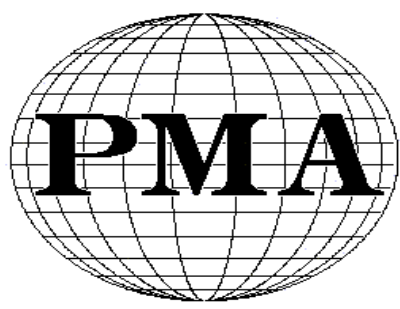
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,695.01	0	4,338.23	0	3,980.18	0	3,622.08	0	3,263.98	0	2,905.85
1/4		1/4		1/4		1/4		1/4	4,687.62	1/4	4,330.79	1/4	3,972.72	1/4	3,614.62	1/4	3,256.52	1/4	2,898.39
1/2		1/2		1/2		1/2		1/2	4,680.22	1/2	4,323.34	1/2	3,965.26	1/2	3,607.16	1/2	3,249.05	1/2	2,890.92
3/4		3/4		3/4		3/4		3/4	4,672.82	3/4	4,315.89	3/4	3,957.80	3/4	3,599.70	3/4	3,241.59	3/4	2,883.46
1		1		1		1	5,008.96	1	4,665.42	1	4,308.44	1	3,950.34	1	3,592.24	1	3,234.13	1	2,875.99
1/4		1/4		1/4		1/4	5,004.22	1/4	4,658.02	1/4	4,300.99	1/4	3,942.88	1/4	3,584.78	1/4	3,226.67	1/4	2,868.53
1/2		1/2		1/2		1/2	4,998.42	1/2	4,650.60	1/2	4,293.52	1/2	3,935.42	1/2	3,577.32	1/2	3,219.21	1/2	2,861.06
3/4		3/4		3/4		3/4	4,992.61	3/4	4,643.18	3/4	4,286.06	3/4	3,927.96	3/4	3,569.86	3/4	3,211.75	3/4	2,853.60
2		2		2		2	4,986.81	2	4,635.76	2	4,278.60	2	3,920.50	2	3,562.40	2	3,204.29	2	2,846.13
1/4		1/4		1/4		1/4	4,981.01	1/4	4,628.34	1/4	4,271.14	1/4	3,913.04	1/4	3,554.94	1/4	3,196.83	1/4	2,838.67
1/2		1/2		1/2		1/2	4,974.20	1/2	4,620.91	1/2	4,263.68	1/2	3,905.58	1/2	3,547.47	1/2	3,189.37	1/2	2,831.21
3/4		3/4		3/4		3/4	4,967.40	3/4	4,613.47	3/4	4,256.22	3/4	3,898.12	3/4	3,540.01	3/4	3,181.91	3/4	2,823.74
3		3		3		3	4,960.59	3	4,606.03	3	4,248.76	3	3,890.66	3	3,532.55	3	3,174.45	3	2,816.28
1/4		1/4		1/4		1/4	4,953.79	1/4	4,598.59	1/4	4,241.30	1/4	3,883.20	1/4	3,525.09	1/4	3,166.99	1/4	2,808.81
1/2		1/2		1/2		1/2	4,946.45	1/2	4,591.15	1/2	4,233.84	1/2	3,875.74	1/2	3,517.63	1/2	3,159.53	1/2	2,801.35
3/4		3/4		3/4		3/4	4,939.12	3/4	4,583.71	3/4	4,226.38	3/4	3,868.28	3/4	3,510.17	3/4	3,152.07	3/4	2,793.88
4		4		4		4	4,931.78	4	4,576.27	4	4,218.92	4	3,860.82	4	3,502.71	4	3,144.61	4	2,786.42
1/4		1/4		1/4		1/4	4,924.44	1/4	4,568.83	1/4	4,211.46	1/4	3,853.36	1/4	3,495.25	1/4	3,137.15	1/4	2,778.95
1/2		1/2		1/2		1/2	4,917.04	1/2	4,561.40	1/2	4,204.00	1/2	3,845.89	1/2	3,487.79	1/2	3,129.69	1/2	2,771.49
3/4		3/4		3/4		3/4	4,909.63	3/4	4,553.96	3/4	4,196.54	3/4	3,838.43	3/4	3,480.33	3/4	3,122.23	3/4	2,764.02
5		5		5		5	4,902.23	5	4,546.52	5	4,189.08	5	3,830.97	5	3,472.87	5	3,114.77	5	2,756.56
1/4		1/4		1/4		1/4	4,894.83	1/4	4,539.08	1/4	4,181.62	1/4	3,823.51	1/4	3,465.41	1/4	3,107.31	1/4	2,749.10
1/2		1/2		1/2		1/2	4,887.43	1/2	4,531.64	1/2	4,174.16	1/2	3,816.05	1/2	3,457.95	1/2	3,099.84	1/2	2,741.63
3/4		3/4		3/4		3/4	4,880.02	3/4	4,524.20	3/4	4,166.70	3/4	3,808.59	3/4	3,450.49	3/4	3,092.38	3/4	2,734.17
6		6		6		6	4,872.62	6	4,516.76	6	4,159.24	6	3,801.13	6	3,443.03	6	3,084.92	6	2,726.70
1/4		1/4		1/4		1/4	4,865.22	1/4	4,509.32	1/4	4,151.78	1/4	3,793.67	1/4	3,435.57	1/4	3,077.46	1/4	2,719.24
1/2		1/2		1/2		1/2	4,857.81	1/2	4,501.88	1/2	4,144.31	1/2	3,786.21	1/2	3,428.11	1/2	3,070.00	1/2	2,711.77
3/4		3/4		3/4		3/4	4,850.41	3/4	4,494.45	3/4	4,136.85	3/4	3,778.75	3/4	3,420.65	3/4	3,062.54	3/4	2,704.31
7		7		7		7	4,843.01	7	4,487.01	7	4,129.39	7	3,771.29	7	3,413.19	7	3,055.08	7	2,696.84
1/4		1/4		1/4		1/4	4,835.60	1/4	4,479.57	1/4	4,121.93	1/4	3,763.83	1/4	3,405.73	1/4	3,047.62	1/4	2,689.38
1/2		1/2		1/2		1/2	4,828.20	1/2	4,472.13	1/2	4,114.47	1/2	3,756.37	1/2	3,398.26	1/2	3,040.16	1/2	2,681.92
3/4		3/4		3/4		3/4	4,820.80	3/4	4,464.69	3/4	4,107.01	3/4	3,748.91	3/4	3,390.80	3/4	3,032.70	3/4	2,674.45
8		8		8		8	4,813.40	8	4,457.25	8	4,099.55	8	3,741.45	8	3,383.34	8	3,025.24	8	2,666.99
1/4		1/4		1/4		1/4	4,806.00	1/4	4,449.81	1/4	4,092.09	1/4	3,733.99	1/4	3,375.88	1/4	3,017.78	1/4	2,659.52
1/2		1/2		1/2		1/2	4,798.60	1/2	4,442.37	1/2	4,084.63	1/2	3,726.53	1/2	3,368.42	1/2	3,010.32	1/2	2,652.06
3/4		3/4		3/4		3/4	4,791.20	3/4	4,434.94	3/4	4,077.17	3/4	3,719.07	3/4	3,360.96	3/4	3,002.86	3/4	2,644.59
9		9		9		9	4,783.80	9	4,427.50	9	4,069.71	9	3,711.61	9	3,353.50	9	2,995.40	9	2,637.13
1/4		1/4		1/4		1/4	4,776.40	1/4	4,420.06	1/4	4,062.25	1/4	3,704.15	1/4	3,346.04	1/4	2,987.94	1/4	2,629.66
1/2		1/2		1/2		1/2	4,769.01	1/2	4,412.62	1/2	4,054.79	1/2	3,696.68	1/2	3,338.58	1/2	2,980.48	1/2	2,622.20
3/4		3/4		3/4		3/4	4,761.61	3/4	4,405.18	3/4	4,047.33	3/4	3,689.22	3/4	3,331.12	3/4	2,973.02	3/4	2,614.73
10		10		10		10	4,754.21	10	4,397.74	10	4,039.87	10	3,681.76	10	3,323.66	10	2,965.56	10	2,607.27
1/4		1/4		1/4		1/4	4,746.81	1/4	4,390.30	1/4	4,032.41	1/4	3,674.30	1/4	3,316.20	1/4	2,958.10	1/4	2,599.81
1/2		1/2		1/2		1/2	4,739.41	1/2	4,382.86	1/2	4,024.95	1/2	3,666.84	1/2	3,308.74	1/2	2,950.63	1/2	2,592.34
3/4		3/4		3/4		3/4	4,732.01	3/4	4,375.43	3/4	4,017.49	3/4	3,659.38	3/4	3,301.28	3/4	2,943.17	3/4	2,584.88
11		11		11		11	4,724.61	11	4,367.99	11	4,010.03	11	3,651.92	11	3,293.82	11	2,935.71	11	2,577.41
1/4		1/4		1/4		1/4	4,717.21	1/4	4,360.55	1/4	4,002.57	1/4	3,644.46	1/4	3,286.36	1/4	2,928.25	1/4	2,569.95
1/2		1/2		1/2		1/2	4,709.81	1/2	4,353.11	1/2	3,995.10	1/2	3,637.00	1/2	3,278.90	1/2	2,920.79	1/2	2,562.48
3/4		3/4		3/4		3/4	4,702.41	3/4	4,345.67	3/4	3,987.64	3/4	3,629.54	3/4	3,271.44	3/4	2,913.32	3/4	2,555.02

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'-07" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HTCO 3114"

## 1 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	2,547.55	0	2,189.26	0	1,830.96	0	1,472.67	0	1,114.41	0	758.26	0	404.60	0	89.49	0		0	
1/4	2,540.09	1/4	2,181.79	1/4	1,823.50	1/4	1,465.20	1/4	1,106.96	1/4	750.82	1/4	397.54	1/4	83.38	1/4		1/4	
1/2	2,532.63	1/2	2,174.33	1/2	1,816.03	1/2	1,457.74	1/2	1,099.53	1/2	743.36	1/2	390.57	1/2	77.35	1/2		1/2	
3/4	2,525.16	3/4	2,166.86	3/4	1,808.57	3/4	1,450.27	3/4	1,092.09	3/4	735.89	3/4	383.59	3/4	71.32	3/4		3/4	
1	2,517.70	1	2,159.40	1	1,801.10	1	1,442.81	1	1,084.66	1	728.43	1	376.62	1	65.29	1		1	
1/4	2,510.23	1/4	2,151.94	1/4	1,793.64	1/4	1,435.34	1/4	1,077.22	1/4	720.97	1/4	369.65	1/4	59.26	1/4		1/4	
1/2	2,502.77	1/2	2,144.47	1/2	1,786.18	1/2	1,427.88	1/2	1,069.80	1/2	713.50	1/2	362.75	1/2	53.78	1/2		1/2	
3/4	2,495.30	3/4	2,137.01	3/4	1,778.71	3/4	1,420.41	3/4	1,062.37	3/4	706.04	3/4	355.85	3/4	48.30	3/4		3/4	
2	2,487.84	2	2,129.54	2	1,771.25	2	1,412.95	2	1,054.94	2	698.57	2	348.95	2	42.82	2		2	
1/4	2,480.37	1/4	2,122.08	1/4	1,763.78	1/4	1,405.49	1/4	1,047.51	1/4	691.11	1/4	342.05	1/4	37.33	1/4		1/4	
1/2	2,472.91	1/2	2,114.61	1/2	1,756.32	1/2	1,398.02	1/2	1,040.09	1/2	683.64	1/2	335.22	1/2	33.33	1/2		1/2	
3/4	2,465.44	3/4	2,107.15	3/4	1,748.85	3/4	1,390.56	3/4	1,032.67	3/4	676.18	3/4	328.39	3/4	29.33	3/4		3/4	
3	2,457.98	3	2,099.68	3	1,741.39	3	1,383.09	3	1,025.25	3	668.72	3	321.57	3	25.33	3		3	
1/4	2,450.52	1/4	2,092.22	1/4	1,733.92	1/4	1,375.63	1/4	1,017.83	1/4	661.25	1/4	314.74	1/4	21.33	1/4		1/4	
1/2	2,443.05	1/2	2,084.76	1/2	1,726.46	1/2	1,368.16	1/2	1,010.41	1/2	653.79	1/2	308.00	1/2	18.42	1/2		1/2	
3/4	2,435.59	3/4	2,077.29	3/4	1,718.99	3/4	1,360.70	3/4	1,002.99	3/4	646.32	3/4	301.25	3/4		3/4		3/4	
4	2,428.12	4	2,069.83	4	1,711.53	4	1,353.23	4	995.58	4	638.86	4	294.50	4		4		4	
1/4	2,420.66	1/4	2,062.36	1/4	1,704.07	1/4	1,345.77	1/4	988.16	1/4	631.39	1/4	287.76	1/4		1/4		1/4	
1/2	2,413.19	1/2	2,054.90	1/2	1,696.60	1/2	1,338.31	1/2	980.75	1/2	623.93	1/2	281.09	1/2		1/2		1/2	
3/4	2,405.73	3/4	2,047.43	3/4	1,689.14	3/4	1,330.84	3/4	973.33	3/4	616.47	3/4	274.43	3/4		3/4		3/4	
5	2,398.26	5	2,039.97	5	1,681.67	5	1,323.38	5	965.92	5	609.00	5	267.76	5		5		5	
1/4	2,390.80	1/4	2,032.50	1/4	1,674.21	1/4	1,315.91	1/4	958.51	1/4	601.54	1/4	261.10	1/4		1/4		1/4	
1/2	2,383.34	1/2	2,025.04	1/2	1,666.74	1/2	1,308.45	1/2	951.09	1/2	594.07	1/2	254.51	1/2		1/2		1/2	
3/4	2,375.87	3/4	2,017.57	3/4	1,659.28	3/4	1,300.98	3/4	943.68	3/4	586.61	3/4	247.93	3/4		3/4		3/4	
6	2,368.41	6	2,010.11	6	1,651.81	6	1,293.52	6	936.27	6	579.14	6	241.35	6		6		6	
1/4	2,360.94	1/4	2,002.65	1/4	1,644.35	1/4	1,286.05	1/4	928.85	1/4	571.68	1/4	234.76	1/4		1/4		1/4	
1/2	2,353.48	1/2	1,995.18	1/2	1,636.89	1/2	1,278.59	1/2	921.44	1/2	564.24	1/2	228.26	1/2		1/2		1/2	
3/4	2,346.01	3/4	1,987.72	3/4	1,629.42	3/4	1,271.12	3/4	914.02	3/4	556.80	3/4	221.76	3/4		3/4		3/4	
7	2,338.55	7	1,980.25	7	1,621.96	7	1,263.66	7	906.61	7	549.35	7	215.25	7		7		7	
1/4	2,331.08	1/4	1,972.79	1/4	1,614.49	1/4	1,256.20	1/4	899.20	1/4	541.91	1/4	208.75	1/4		1/4		1/4	
1/2	2,323.62	1/2	1,965.32	1/2	1,607.03	1/2	1,248.73	1/2	891.78	1/2	534.53	1/2	202.33	1/2		1/2		1/2	
3/4	2,316.15	3/4	1,957.86	3/4	1,599.56	3/4	1,241.27	3/4	884.37	3/4	527.15	3/4	195.91	3/4		3/4		3/4	
8	2,308.69	8	1,950.39	8	1,592.10	8	1,233.80	8	876.96	8	519.77	8	189.49	8		8		8	
1/4	2,301.23	1/4	1,942.93	1/4	1,584.63	1/4	1,226.34	1/4	869.54	1/4	512.39	1/4	183.07	1/4		1/4		1/4	
1/2	2,293.76	1/2	1,935.47	1/2	1,577.17	1/2	1,218.87	1/2	862.13	1/2	505.09	1/2	176.72	1/2		1/2		1/2	
3/4	2,286.30	3/4	1,928.00	3/4	1,569.70	3/4	1,211.41	3/4	854.72	3/4	497.79	3/4	170.38	3/4		3/4		3/4	
9	2,278.83	9	1,920.54	9	1,562.24	9	1,203.94	9	847.30	9	490.49	9	164.03	9		9		9	
1/4	2,271.37	1/4	1,913.07	1/4	1,554.78	1/4	1,196.48	1/4	839.89	1/4	483.19	1/4	157.69	1/4		1/4		1/4	
1/2	2,263.90	1/2	1,905.61	1/2	1,547.31	1/2	1,189.02	1/2	832.48	1/2	475.97	1/2	151.41	1/2		1/2		1/2	
3/4	2,256.44	3/4	1,898.14	3/4	1,539.85	3/4	1,181.55	3/4	825.06	3/4	468.76	3/4	145.14	3/4		3/4		3/4	
10	2,248.97	10	1,890.68	10	1,532.38	10	1,174.09	10	817.65	10	461.54	10	138.87	10		10		10	
1/4	2,241.51	1/4	1,883.21	1/4	1,524.92	1/4	1,166.62	1/4	810.23	1/4	454.32	1/4	132.60	1/4		1/4		1/4	
1/2	2,234.05	1/2	1,875.75	1/2	1,517.45	1/2	1,159.16	1/2	802.82	1/2	447.18	1/2	126.40	1/2		1/2		1/2	
3/4	2,226.58	3/4	1,868.28	3/4	1,509.99	3/4	1,151.69	3/4	795.41	3/4	440.04	3/4	120.21	3/4		3/4		3/4	
11	2,219.12	11	1,860.82	11	1,502.52	11	1,144.23	11	787.99	11	432.90	11	114.02	11		11		11	
1/4	2,211.65	1/4	1,853.36	1/4	1,495.06	1/4	1,136.76	1/4	780.58	1/4	425.77	1/4	107.83	1/4		1/4		1/4	
1/2	2,204.19	1/2	1,845.89	1/2	1,487.60	1/2	1,129.31	1/2	773.14	1/2	418.71	1/2	101.72	1/2		1/2		1/2	
3/4	2,196.72	3/4	1,838.43	3/4	1,480.13	3/4	1,121.86	3/4	765.70	3/4	411.65	3/4	95.60	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2014 CL  
RECALCULATED: 03/23/2019 CL  
VERIFIED: 03/20/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HTCO 3114"

## 1 STBD 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	4,704.10	0	4,347.36	0	3,989.35	0	3,631.25	0	3,273.15	0	2,915.05
1/4		1/4		1/4		1/4		1/4	4,696.70	1/4	4,339.92	1/4	3,981.89	1/4	3,623.79	1/4	3,265.69	1/4	2,907.59
1/2		1/2		1/2		1/2		1/2	4,689.31	1/2	4,332.49	1/2	3,974.43	1/2	3,616.33	1/2	3,258.23	1/2	2,900.13
3/4		3/4		3/4		3/4		3/4	4,681.91	3/4	4,325.04	3/4	3,966.96	3/4	3,608.87	3/4	3,250.77	3/4	2,892.67
1		1		1		1		1	4,674.51	1	4,317.58	1	3,959.50	1	3,601.41	1	3,243.31	1	2,885.20
1/4		1/4		1/4		1/4	5,010.63	1/4	4,667.11	1/4	4,310.13	1/4	3,952.04	1/4	3,593.94	1/4	3,235.85	1/4	2,877.74
1/2		1/2		1/2		1/2	5,005.89	1/2	4,659.71	1/2	4,302.68	1/2	3,944.58	1/2	3,586.48	1/2	3,228.39	1/2	2,870.27
3/4		3/4		3/4		3/4	5,000.09	3/4	4,652.29	3/4	4,295.22	3/4	3,937.12	3/4	3,579.02	3/4	3,220.92	3/4	2,862.81
2		2		2		2	4,994.29	2	4,644.87	2	4,287.76	2	3,929.66	2	3,571.56	2	3,213.46	2	2,855.34
1/4		1/4		1/4		1/4	4,988.48	1/4	4,637.45	1/4	4,280.30	1/4	3,922.20	1/4	3,564.10	1/4	3,206.00	1/4	2,847.88
1/2		1/2		1/2		1/2	4,982.68	1/2	4,630.03	1/2	4,272.84	1/2	3,914.74	1/2	3,556.64	1/2	3,198.54	1/2	2,840.42
3/4		3/4		3/4		3/4	4,975.88	3/4	4,622.60	3/4	4,265.38	3/4	3,907.28	3/4	3,549.18	3/4	3,191.08	3/4	2,832.95
3		3		3		3	4,969.07	3	4,615.16	3	4,257.92	3	3,899.82	3	3,541.72	3	3,183.62	3	2,825.49
1/4		1/4		1/4		1/4	4,962.27	1/4	4,607.72	1/4	4,250.46	1/4	3,892.36	1/4	3,534.26	1/4	3,176.16	1/4	2,818.02
1/2		1/2		1/2		1/2	4,955.47	1/2	4,600.28	1/2	4,243.00	1/2	3,884.90	1/2	3,526.80	1/2	3,168.70	1/2	2,810.56
3/4		3/4		3/4		3/4	4,948.13	3/4	4,592.84	3/4	4,235.54	3/4	3,877.44	3/4	3,519.34	3/4	3,161.24	3/4	2,803.09
4		4		4		4	4,940.80	4	4,585.40	4	4,228.08	4	3,869.98	4	3,511.88	4	3,153.78	4	2,795.63
1/4		1/4		1/4		1/4	4,933.46	1/4	4,577.96	1/4	4,220.62	1/4	3,862.52	1/4	3,504.42	1/4	3,146.32	1/4	2,788.16
1/2		1/2		1/2		1/2	4,926.13	1/2	4,570.52	1/2	4,213.16	1/2	3,855.06	1/2	3,496.96	1/2	3,138.86	1/2	2,780.70
3/4		3/4		3/4		3/4	4,918.73	3/4	4,563.09	3/4	4,205.70	3/4	3,847.60	3/4	3,489.50	3/4	3,131.40	3/4	2,773.24
5		5		5		5	4,911.32	5	4,555.65	5	4,198.24	5	3,840.14	5	3,482.04	5	3,123.94	5	2,765.77
1/4		1/4		1/4		1/4	4,903.92	1/4	4,548.21	1/4	4,190.78	1/4	3,832.68	1/4	3,474.58	1/4	3,116.48	1/4	2,758.31
1/2		1/2		1/2		1/2	4,896.52	1/2	4,540.77	1/2	4,183.32	1/2	3,825.22	1/2	3,467.12	1/2	3,109.02	1/2	2,750.84
3/4		3/4		3/4		3/4	4,889.11	3/4	4,533.33	3/4	4,175.86	3/4	3,817.76	3/4	3,459.66	3/4	3,101.56	3/4	2,743.38
6		6		6		6	4,881.71	6	4,525.89	6	4,168.40	6	3,810.30	6	3,452.20	6	3,094.10	6	2,735.91
1/4		1/4		1/4		1/4	4,874.31	1/4	4,518.45	1/4	4,160.94	1/4	3,802.84	1/4	3,444.74	1/4	3,086.64	1/4	2,728.45
1/2		1/2		1/2		1/2	4,866.90	1/2	4,511.01	1/2	4,153.47	1/2	3,795.38	1/2	3,437.28	1/2	3,079.18	1/2	2,720.98
3/4		3/4		3/4		3/4	4,859.50	3/4	4,503.58	3/4	4,146.01	3/4	3,787.92	3/4	3,429.82	3/4	3,071.72	3/4	2,713.52
7		7		7		7	4,852.10	7	4,496.14	7	4,138.55	7	3,780.45	7	3,422.36	7	3,064.26	7	2,706.05
1/4		1/4		1/4		1/4	4,844.70	1/4	4,488.70	1/4	4,131.09	1/4	3,772.99	1/4	3,414.90	1/4	3,056.80	1/4	2,698.59
1/2		1/2		1/2		1/2	4,837.29	1/2	4,481.26	1/2	4,123.63	1/2	3,765.53	1/2	3,407.43	1/2	3,049.34	1/2	2,691.13
3/4		3/4		3/4		3/4	4,829.89	3/4	4,473.82	3/4	4,116.17	3/4	3,758.07	3/4	3,399.97	3/4	3,041.88	3/4	2,683.66
8		8		8		8	4,822.49	8	4,466.38	8	4,108.71	8	3,750.61	8	3,392.51	8	3,034.41	8	2,676.20
1/4		1/4		1/4		1/4	4,815.09	1/4	4,458.94	1/4	4,101.25	1/4	3,743.15	1/4	3,385.05	1/4	3,026.95	1/4	2,668.73
1/2		1/2		1/2		1/2	4,807.69	1/2	4,451.51	1/2	4,093.79	1/2	3,735.69	1/2	3,377.59	1/2	3,019.49	1/2	2,661.27
3/4		3/4		3/4		3/4	4,800.29	3/4	4,444.07	3/4	4,086.33	3/4	3,728.23	3/4	3,370.13	3/4	3,012.03	3/4	2,653.80
9		9		9		9	4,792.89	9	4,436.63	9	4,078.87	9	3,720.77	9	3,362.67	9	3,004.57	9	2,646.34
1/4		1/4		1/4		1/4	4,785.49	1/4	4,429.19	1/4	4,071.41	1/4	3,713.31	1/4	3,355.21	1/4	2,997.11	1/4	2,638.87
1/2		1/2		1/2		1/2	4,778.09	1/2	4,421.75	1/2	4,063.95	1/2	3,705.85	1/2	3,347.75	1/2	2,989.65	1/2	2,631.41
3/4		3/4		3/4		3/4	4,770.69	3/4	4,414.31	3/4	4,056.49	3/4	3,698.39	3/4	3,340.29	3/4	2,982.19	3/4	2,623.95
10		10		10		10	4,763.30	10	4,406.87	10	4,049.03	10	3,690.93	10	3,332.83	10	2,974.73	10	2,616.48
1/4		1/4		1/4		1/4	4,755.90	1/4	4,399.43	1/4	4,041.57	1/4	3,683.47	1/4	3,325.37	1/4	2,967.27	1/4	2,609.02
1/2		1/2		1/2		1/2	4,748.50	1/2	4,392.00	1/2	4,034.11	1/2	3,676.01	1/2	3,317.91	1/2	2,959.81	1/2	2,601.55
3/4		3/4		3/4		3/4	4,741.10	3/4	4,384.56	3/4	4,026.65	3/4	3,668.55	3/4	3,310.45	3/4	2,952.35	3/4	2,594.09
11		11		11		11	4,733.70	11	4,377.12	11	4,019.19	11	3,661.09	11	3,302.99	11	2,944.89	11	2,586.62
1/4		1/4		1/4		1/4	4,726.30	1/4	4,369.68	1/4	4,011.73	1/4	3,653.63	1/4	3,295.53	1/4	2,937.43	1/4	2,579.16
1/2		1/2		1/2		1/2	4,718.90	1/2	4,362.24	1/2	4,004.27	1/2	3,646.17	1/2	3,288.07	1/2	2,929.97	1/2	2,571.69
3/4		3/4		3/4		3/4	4,711.50	3/4	4,354.80	3/4	3,996.81	3/4	3,638.71	3/4	3,280.61	3/4	2,922.51	3/4	2,564.23

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'-07" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HTCO 3114"

## 1 STBD

### ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 3/4"

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	2,556.76	0	2,198.47	0	1,840.17	0	1,481.88	0	1,123.58	0	765.77	0	411.74	0	95.65	0		0	
1/4	2,549.30	1/4	2,191.00	1/4	1,832.71	1/4	1,474.41	1/4	1,116.12	1/4	758.31	1/4	404.69	1/4	89.54	1/4		1/4	
1/2	2,541.84	1/2	2,183.54	1/2	1,825.24	1/2	1,466.95	1/2	1,108.65	1/2	750.86	1/2	397.63	1/2	83.42	1/2		1/2	
3/4	2,534.37	3/4	2,176.08	3/4	1,817.78	3/4	1,459.48	3/4	1,101.19	3/4	743.39	3/4	390.66	3/4	77.39	3/4		3/4	
1	2,526.91	1	2,168.61	1	1,810.31	1	1,452.02	1	1,093.72	1	735.93	1	383.68	1	71.36	1		1	
1/4	2,519.44	1/4	2,161.15	1/4	1,802.85	1/4	1,444.55	1/4	1,086.26	1/4	728.46	1/4	376.71	1/4	65.33	1/4		1/4	
1/2	2,511.98	1/2	2,153.68	1/2	1,795.39	1/2	1,437.09	1/2	1,078.79	1/2	721.00	1/2	369.73	1/2	59.30	1/2		1/2	
3/4	2,504.51	3/4	2,146.22	3/4	1,787.92	3/4	1,429.63	3/4	1,071.33	3/4	713.53	3/4	362.83	3/4	53.81	3/4		3/4	
2	2,497.05	2	2,138.75	2	1,780.46	2	1,422.16	2	1,063.87	2	706.07	2	355.93	2	48.33	2		2	
1/4	2,489.58	1/4	2,131.29	1/4	1,772.99	1/4	1,414.70	1/4	1,056.41	1/4	698.61	1/4	349.03	1/4	42.84	1/4		1/4	
1/2	2,482.12	1/2	2,123.82	1/2	1,765.53	1/2	1,407.23	1/2	1,048.95	1/2	691.14	1/2	342.13	1/2	37.36	1/2		1/2	
3/4	2,474.66	3/4	2,116.36	3/4	1,758.06	3/4	1,399.77	3/4	1,041.49	3/4	683.68	3/4	335.30	3/4	33.36	3/4		3/4	
3	2,467.19	3	2,108.89	3	1,750.60	3	1,392.30	3	1,034.03	3	676.21	3	328.48	3	29.36	3		3	
1/4	2,459.73	1/4	2,101.43	1/4	1,743.13	1/4	1,384.84	1/4	1,026.58	1/4	668.75	1/4	321.65	1/4	25.35	1/4		1/4	
1/2	2,452.26	1/2	2,093.97	1/2	1,735.67	1/2	1,377.37	1/2	1,019.12	1/2	661.28	1/2	314.82	1/2	21.35	1/2		1/2	
3/4	2,444.80	3/4	2,086.50	3/4	1,728.21	3/4	1,369.91	3/4	1,011.66	3/4	653.82	3/4	308.08	3/4	18.44	3/4		3/4	
4	2,437.33	4	2,079.04	4	1,720.74	4	1,362.44	4	1,004.21	4	646.36	4	301.33	4		4		4	
1/4	2,429.87	1/4	2,071.57	1/4	1,713.28	1/4	1,354.98	1/4	996.76	1/4	638.89	1/4	294.58	1/4		1/4		1/4	
1/2	2,422.40	1/2	2,064.11	1/2	1,705.81	1/2	1,347.52	1/2	989.30	1/2	631.43	1/2	287.84	1/2		1/2		1/2	
3/4	2,414.94	3/4	2,056.64	3/4	1,698.35	3/4	1,340.05	3/4	981.85	3/4	623.96	3/4	281.17	3/4		3/4		3/4	
5	2,407.47	5	2,049.18	5	1,690.88	5	1,332.59	5	974.40	5	616.50	5	274.50	5		5		5	
1/4	2,400.01	1/4	2,041.71	1/4	1,683.42	1/4	1,325.12	1/4	966.95	1/4	609.03	1/4	267.84	1/4		1/4		1/4	
1/2	2,392.55	1/2	2,034.25	1/2	1,675.95	1/2	1,317.66	1/2	959.50	1/2	601.57	1/2	261.17	1/2		1/2		1/2	
3/4	2,385.08	3/4	2,026.79	3/4	1,668.49	3/4	1,310.19	3/4	952.05	3/4	594.11	3/4	254.59	3/4		3/4		3/4	
6	2,377.62	6	2,019.32	6	1,661.02	6	1,302.73	6	944.60	6	586.64	6	248.00	6		6		6	
1/4	2,370.15	1/4	2,011.86	1/4	1,653.56	1/4	1,295.26	1/4	937.15	1/4	579.18	1/4	241.42	1/4		1/4		1/4	
1/2	2,362.69	1/2	2,004.39	1/2	1,646.10	1/2	1,287.80	1/2	929.70	1/2	571.71	1/2	234.83	1/2		1/2		1/2	
3/4	2,355.22	3/4	1,996.93	3/4	1,638.63	3/4	1,280.34	3/4	922.25	3/4	564.27	3/4	228.33	3/4		3/4		3/4	
7	2,347.76	7	1,989.46	7	1,631.17	7	1,272.87	7	914.80	7	556.84	7	221.83	7		7		7	
1/4	2,340.29	1/4	1,982.00	1/4	1,623.70	1/4	1,265.41	1/4	907.34	1/4	549.40	1/4	215.32	1/4		1/4		1/4	
1/2	2,332.83	1/2	1,974.53	1/2	1,616.24	1/2	1,257.94	1/2	899.89	1/2	541.96	1/2	208.82	1/2		1/2		1/2	
3/4	2,325.37	3/4	1,967.07	3/4	1,608.77	3/4	1,250.48	3/4	892.44	3/4	534.59	3/4	202.40	3/4		3/4		3/4	
8	2,317.90	8	1,959.60	8	1,601.31	8	1,243.01	8	884.99	8	527.22	8	195.98	8		8		8	
1/4	2,310.44	1/4	1,952.14	1/4	1,593.84	1/4	1,235.55	1/4	877.54	1/4	519.84	1/4	189.55	1/4		1/4		1/4	
1/2	2,302.97	1/2	1,944.68	1/2	1,586.38	1/2	1,228.08	1/2	870.09	1/2	512.47	1/2	183.13	1/2		1/2		1/2	
3/4	2,295.51	3/4	1,937.21	3/4	1,578.92	3/4	1,220.62	3/4	862.64	3/4	505.17	3/4	176.79	3/4		3/4		3/4	
9	2,288.04	9	1,929.75	9	1,571.45	9	1,213.15	9	855.19	9	497.88	9	170.44	9		9		9	
1/4	2,280.58	1/4	1,922.28	1/4	1,563.99	1/4	1,205.69	1/4	847.74	1/4	490.58	1/4	164.09	1/4		1/4		1/4	
1/2	2,273.11	1/2	1,914.82	1/2	1,556.52	1/2	1,198.23	1/2	840.29	1/2	483.29	1/2	157.74	1/2		1/2		1/2	
3/4	2,265.65	3/4	1,907.35	3/4	1,549.06	3/4	1,190.76	3/4	832.84	3/4	476.07	3/4	151.47	3/4		3/4		3/4	
10	2,258.18	10	1,899.89	10	1,541.59	10	1,183.30	10	825.39	10	468.85	10	145.20	10		10		10	
1/4	2,250.72	1/4	1,892.42	1/4	1,534.13	1/4	1,175.83	1/4	817.94	1/4	461.63	1/4	138.92	1/4		1/4		1/4	
1/2	2,243.26	1/2	1,884.96	1/2	1,526.66	1/2	1,168.37	1/2	810.49	1/2	454.41	1/2	132.65	1/2		1/2		1/2	
3/4	2,235.79	3/4	1,877.50	3/4	1,519.20	3/4	1,160.90	3/4	803.04	3/4	447.27	3/4	126.46	3/4		3/4		3/4	
11	2,228.33	11	1,870.03	11	1,511.73	11	1,153.44	11	795.59	11	440.13	11	120.26	11		11		11	
1/4	2,220.86	1/4	1,862.57	1/4	1,504.27	1/4	1,145.97	1/4	788.13	1/4	433.00	1/4	114.07	1/4		1/4		1/4	
1/2	2,213.40	1/2	1,855.10	1/2	1,496.81	1/2	1,138.51	1/2	780.68	1/2	425.86	1/2	107.87	1/2		1/2		1/2	
3/4	2,205.93	3/4	1,847.64	3/4	1,489.34	3/4	1,131.05	3/4	773.23	3/4	418.80	3/4	101.76	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2014 CL  
RECALCULATED: 03/23/2019 CL  
VERIFIED: 03/20/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HTCO 3114"

## 2 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	4,772.51	0	4,414.89	0	4,055.99	0	3,697.01	0	3,338.04	0	2,979.06
1/4		1/4		1/4		1/4		1/4	4,765.09	1/4	4,407.43	1/4	4,048.51	1/4	3,689.53	1/4	3,330.56	1/4	2,971.58
1/2		1/2		1/2		1/2		1/2	4,757.67	1/2	4,399.97	1/2	4,041.03	1/2	3,682.06	1/2	3,323.08	1/2	2,964.10
3/4		3/4		3/4		3/4		3/4	4,750.25	3/4	4,392.50	3/4	4,033.55	3/4	3,674.58	3/4	3,315.60	3/4	2,956.62
1		1		1		1		1	4,742.84	1	4,385.03	1	4,026.07	1	3,667.10	1	3,308.13	1	2,949.14
1/4		1/4		1/4		1/4		1/4	5,079.81	1/4	4,735.42	1/4	4,377.56	1/4	4,018.59	1/4	3,659.62	1/4	3,300.65
1/2		1/2		1/2		1/2		1/2	5,075.06	1/2	4,728.00	1/2	4,370.09	1/2	4,011.11	1/2	3,652.14	1/2	3,293.17
3/4		3/4		3/4		3/4		3/4	5,069.24	3/4	4,720.56	3/4	4,362.61	3/4	4,003.64	3/4	3,644.66	3/4	3,285.69
2		2		2		2		2	5,063.42	2	4,713.13	2	4,355.13	2	3,996.16	2	3,637.18	2	3,278.21
1/4		1/4		1/4		1/4		1/4	5,057.60	1/4	4,705.69	1/4	4,347.65	1/4	3,988.68	1/4	3,629.71	1/4	3,270.73
1/2		1/2		1/2		1/2		1/2	5,051.79	1/2	4,698.25	1/2	4,340.17	1/2	3,981.20	1/2	3,622.23	1/2	3,263.25
3/4		3/4		3/4		3/4		3/4	5,044.96	3/4	4,690.80	3/4	4,332.69	3/4	3,973.72	3/4	3,614.75	3/4	3,255.78
3		3		3		3		3	5,038.14	3	4,683.34	3	4,325.22	3	3,966.24	3	3,607.27	3	3,248.30
1/4		1/4		1/4		1/4		1/4	5,031.32	1/4	4,675.88	1/4	4,317.74	1/4	3,958.76	1/4	3,599.79	1/4	3,240.82
1/2		1/2		1/2		1/2		1/2	5,024.50	1/2	4,668.43	1/2	4,310.26	1/2	3,951.29	1/2	3,592.31	1/2	3,233.34
3/4		3/4		3/4		3/4		3/4	5,017.15	3/4	4,660.97	3/4	4,302.78	3/4	3,943.81	3/4	3,584.83	3/4	3,225.86
4		4		4		4		4	5,009.79	4	4,653.51	4	4,295.30	4	3,936.33	4	3,577.36	4	3,218.38
1/4		1/4		1/4		1/4		1/4	5,002.44	1/4	4,646.05	1/4	4,287.82	1/4	3,928.85	1/4	3,569.88	1/4	3,210.90
1/2		1/2		1/2		1/2		1/2	4,995.08	1/2	4,638.60	1/2	4,280.34	1/2	3,921.37	1/2	3,562.40	1/2	3,203.43
3/4		3/4		3/4		3/4		3/4	4,987.66	3/4	4,631.14	3/4	4,272.86	3/4	3,913.89	3/4	3,554.92	3/4	3,195.95
5		5		5		5		5	4,980.24	5	4,623.68	5	4,265.39	5	3,906.41	5	3,547.44	5	3,188.47
1/4		1/4		1/4		1/4		1/4	4,972.82	1/4	4,616.23	1/4	4,257.91	1/4	3,898.93	1/4	3,539.96	1/4	3,180.99
1/2		1/2		1/2		1/2		1/2	4,965.40	1/2	4,608.77	1/2	4,250.43	1/2	3,891.46	1/2	3,532.48	1/2	3,173.51
3/4		3/4		3/4		3/4		3/4	4,957.97	3/4	4,601.31	3/4	4,242.95	3/4	3,883.98	3/4	3,525.00	3/4	3,166.03
6		6		6		6		6	4,950.55	6	4,593.86	6	4,235.47	6	3,876.50	6	3,517.53	6	3,158.55
1/4		1/4		1/4		1/4		1/4	4,943.13	1/4	4,586.40	1/4	4,227.99	1/4	3,869.02	1/4	3,510.05	1/4	3,151.07
1/2		1/2		1/2		1/2		1/2	4,935.71	1/2	4,578.94	1/2	4,220.51	1/2	3,861.54	1/2	3,502.57	1/2	3,143.60
3/4		3/4		3/4		3/4		3/4	4,928.29	3/4	4,571.48	3/4	4,213.04	3/4	3,854.06	3/4	3,495.09	3/4	3,136.12
7		7		7		7		7	4,920.87	7	4,564.03	7	4,205.56	7	3,846.58	7	3,487.61	7	3,128.64
1/4		1/4		1/4		1/4		1/4	4,913.45	1/4	4,556.57	1/4	4,198.08	1/4	3,839.11	1/4	3,480.13	1/4	3,121.16
1/2		1/2		1/2		1/2		1/2	4,906.03	1/2	4,549.11	1/2	4,190.60	1/2	3,831.63	1/2	3,472.65	1/2	3,113.68
3/4		3/4		3/4		3/4		3/4	4,898.61	3/4	4,541.66	3/4	4,183.12	3/4	3,824.15	3/4	3,465.18	3/4	3,106.20
8		8		8		8		8	4,891.19	8	4,534.20	8	4,175.64	8	3,816.67	8	3,457.70	8	3,098.72
1/4		1/4		1/4		1/4		1/4	4,883.77	1/4	4,526.74	1/4	4,168.16	1/4	3,809.19	1/4	3,450.22	1/4	3,091.25
1/2		1/2		1/2		1/2		1/2	4,876.35	1/2	4,519.29	1/2	4,160.69	1/2	3,801.71	1/2	3,442.74	1/2	3,083.77
3/4		3/4		3/4		3/4		3/4	4,868.93	3/4	4,511.83	3/4	4,153.21	3/4	3,794.23	3/4	3,435.26	3/4	3,076.29
9		9		9		9		9	4,861.51	9	4,504.37	9	4,145.73	9	3,786.76	9	3,427.78	9	3,068.81
1/4		1/4		1/4		1/4		1/4	4,854.10	1/4	4,496.91	1/4	4,138.25	1/4	3,779.28	1/4	3,420.30	1/4	3,061.33
1/2		1/2		1/2		1/2		1/2	4,846.68	1/2	4,489.46	1/2	4,130.77	1/2	3,771.80	1/2	3,412.83	1/2	3,053.85
3/4		3/4		3/4		3/4		3/4	4,839.26	3/4	4,482.00	3/4	4,123.29	3/4	3,764.32	3/4	3,405.35	3/4	3,046.37
10		10		10		10		10	4,831.84	10	4,474.54	10	4,115.81	10	3,756.84	10	3,397.87	10	3,038.90
1/4		1/4		1/4		1/4		1/4	4,824.43	1/4	4,467.09	1/4	4,108.34	1/4	3,749.36	1/4	3,390.39	1/4	3,031.42
1/2		1/2		1/2		1/2		1/2	4,817.01	1/2	4,459.63	1/2	4,100.86	1/2	3,741.88	1/2	3,382.91	1/2	3,023.94
3/4		3/4		3/4		3/4		3/4	4,809.59	3/4	4,452.17	3/4	4,093.38	3/4	3,734.41	3/4	3,375.43	3/4	3,016.46
11		11		11		11		11	4,802.17	11	4,444.72	11	4,085.90	11	3,726.93	11	3,367.95	11	3,008.98
1/4		1/4		1/4		1/4		1/4	4,794.76	1/4	4,437.26	1/4	4,078.42	1/4	3,719.45	1/4	3,360.48	1/4	3,001.50
1/2		1/2		1/2		1/2		1/2	4,787.34	1/2	4,429.80	1/2	4,070.94	1/2	3,711.97	1/2	3,353.00	1/2	2,994.02
3/4		3/4		3/4		3/4		3/4	4,779.92	3/4	4,422.34	3/4	4,063.46	3/4	3,704.49	3/4	3,345.52	3/4	2,986.54

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'-07" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HTCO 3114"

## 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	2,619.90	0	2,260.73	0	1,901.56	0	1,542.39	0	1,183.50	0	838.10	0	479.24	0	120.08	0		0	
1/4	2,612.41	1/4	2,253.24	1/4	1,894.08	1/4	1,534.91	1/4	1,176.16	1/4	830.77	1/4	471.76	1/4	112.60	1/4		1/4	
1/2	2,604.93	1/2	2,245.76	1/2	1,886.59	1/2	1,527.42	1/2	1,168.82	1/2	823.44	1/2	464.28	1/2	105.12	1/2		1/2	
3/4	2,597.45	3/4	2,238.28	3/4	1,879.11	3/4	1,519.94	3/4	1,161.62	3/4	815.96	3/4	456.80	3/4	97.64	3/4		3/4	
1	2,589.97	1	2,230.80	1	1,871.63	1	1,512.46	1	1,154.42	1	808.47	1	449.31	1	90.15	1		1	
1/4	2,582.48	1/4	2,223.31	1/4	1,864.14	1/4	1,504.97	1/4	1,147.22	1/4	800.99	1/4	441.83	1/4	82.67	1/4		1/4	
1/2	2,575.00	1/2	2,215.83	1/2	1,856.66	1/2	1,497.49	1/2	1,140.02	1/2	793.51	1/2	434.35	1/2	75.19	1/2		1/2	
3/4	2,567.52	3/4	2,208.35	3/4	1,849.18	3/4	1,490.01	3/4	1,132.82	3/4	786.03	3/4	426.87	3/4	68.17	3/4		3/4	
2	2,560.04	2	2,200.87	2	1,841.70	2	1,482.53	2	1,125.63	2	778.54	2	419.38	2	61.16	2		2	
1/4	2,552.55	1/4	2,193.38	1/4	1,834.21	1/4	1,475.04	1/4	1,118.44	1/4	771.06	1/4	411.90	1/4	54.15	1/4		1/4	
1/2	2,545.07	1/2	2,185.90	1/2	1,826.73	1/2	1,467.56	1/2	1,111.24	1/2	763.58	1/2	404.42	1/2	47.13	1/2		1/2	
3/4	2,537.59	3/4	2,178.42	3/4	1,819.25	3/4	1,460.08	3/4	1,104.06	3/4	756.10	3/4	396.94	3/4	41.52	3/4		3/4	
3	2,530.10	3	2,170.94	3	1,811.77	3	1,452.60	3	1,096.87	3	748.61	3	389.45	3	35.91	3		3	
1/4	2,522.62	1/4	2,163.45	1/4	1,804.28	1/4	1,445.11	1/4	1,089.69	1/4	741.13	1/4	381.97	1/4	30.29	1/4		1/4	
1/2	2,515.14	1/2	2,155.97	1/2	1,796.80	1/2	1,437.63	1/2	1,082.50	1/2	733.65	1/2	374.49	1/2	24.68	1/2		1/2	
3/4	2,507.66	3/4	2,148.49	3/4	1,789.32	3/4	1,430.15	3/4	1,075.32	3/4	726.17	3/4	367.01	3/4	20.94	3/4		3/4	
4	2,500.17	4	2,141.00	4	1,781.83	4	1,422.67	4	1,068.13	4	718.68	4	359.52	4		4		4	
1/4	2,492.69	1/4	2,133.52	1/4	1,774.35	1/4	1,415.18	1/4	1,060.95	1/4	711.20	1/4	352.04	1/4		1/4		1/4	
1/2	2,485.21	1/2	2,126.04	1/2	1,766.87	1/2	1,407.70	1/2	1,053.77	1/2	703.72	1/2	344.56	1/2		1/2		1/2	
3/4	2,477.73	3/4	2,118.56	3/4	1,759.39	3/4	1,400.22	3/4	1,046.59	3/4	696.24	3/4	337.08	3/4		3/4		3/4	
5	2,470.24	5	2,111.07	5	1,751.90	5	1,392.73	5	1,039.41	5	688.75	5	329.59	5		5		5	
1/4	2,462.76	1/4	2,103.59	1/4	1,744.42	1/4	1,385.25	1/4	1,032.23	1/4	681.27	1/4	322.11	1/4		1/4		1/4	
1/2	2,455.28	1/2	2,096.11	1/2	1,736.94	1/2	1,377.77	1/2	1,025.05	1/2	673.79	1/2	314.63	1/2		1/2		1/2	
3/4	2,447.80	3/4	2,088.63	3/4	1,729.46	3/4	1,370.29	3/4	1,017.87	3/4	666.31	3/4	307.15	3/4		3/4		3/4	
6	2,440.31	6	2,081.14	6	1,721.97	6	1,362.80	6	1,010.70	6	658.82	6	299.66	6		6		6	
1/4	2,432.83	1/4	2,073.66	1/4	1,714.49	1/4	1,355.32	1/4	1,003.52	1/4	651.34	1/4	292.18	1/4		1/4		1/4	
1/2	2,425.35	1/2	2,066.18	1/2	1,707.01	1/2	1,347.84	1/2	996.34	1/2	643.86	1/2	284.70	1/2		1/2		1/2	
3/4	2,417.86	3/4	2,058.69	3/4	1,699.53	3/4	1,340.36	3/4	989.16	3/4	636.38	3/4	277.22	3/4		3/4		3/4	
7	2,410.38	7	2,051.21	7	1,692.04	7	1,332.87	7	981.98	7	628.89	7	269.73	7		7		7	
1/4	2,402.90	1/4	2,043.73	1/4	1,684.56	1/4	1,325.39	1/4	974.80	1/4	621.41	1/4	262.25	1/4		1/4		1/4	
1/2	2,395.42	1/2	2,036.25	1/2	1,677.08	1/2	1,317.91	1/2	967.62	1/2	613.93	1/2	254.77	1/2		1/2		1/2	
3/4	2,387.93	3/4	2,028.76	3/4	1,669.59	3/4	1,310.42	3/4	960.44	3/4	606.45	3/4	247.29	3/4		3/4		3/4	
8	2,380.45	8	2,021.28	8	1,662.11	8	1,302.94	8	953.26	8	598.96	8	239.80	8		8		8	
1/4	2,372.97	1/4	2,013.80	1/4	1,654.63	1/4	1,295.46	1/4	946.09	1/4	591.48	1/4	232.32	1/4		1/4		1/4	
1/2	2,365.49	1/2	2,006.32	1/2	1,647.15	1/2	1,287.98	1/2	938.91	1/2	584.00	1/2	224.84	1/2		1/2		1/2	
3/4	2,358.00	3/4	1,998.83	3/4	1,639.66	3/4	1,280.49	3/4	931.73	3/4	576.52	3/4	217.36	3/4		3/4		3/4	
9	2,350.52	9	1,991.35	9	1,632.18	9	1,273.01	9	924.55	9	569.03	9	209.87	9		9		9	
1/4	2,343.04	1/4	1,983.87	1/4	1,624.70	1/4	1,265.53	1/4	917.37	1/4	561.55	1/4	202.39	1/4		1/4		1/4	
1/2	2,335.55	1/2	1,976.39	1/2	1,617.22	1/2	1,258.05	1/2	910.19	1/2	554.07	1/2	194.91	1/2		1/2		1/2	
3/4	2,328.07	3/4	1,968.90	3/4	1,609.73	3/4	1,250.56	3/4	903.01	3/4	546.59	3/4	187.43	3/4		3/4		3/4	
10	2,320.59	10	1,961.42	10	1,602.25	10	1,243.08	10	895.83	10	539.10	10	179.94	10		10		10	
1/4	2,313.11	1/4	1,953.94	1/4	1,594.77	1/4	1,235.60	1/4	888.65	1/4	531.62	1/4	172.46	1/4		1/4		1/4	
1/2	2,305.62	1/2	1,946.45	1/2	1,587.28	1/2	1,228.12	1/2	881.48	1/2	524.14	1/2	164.98	1/2		1/2		1/2	
3/4	2,298.14	3/4	1,938.97	3/4	1,579.80	3/4	1,220.63	3/4	874.30	3/4	516.66	3/4	157.50	3/4		3/4		3/4	
11	2,290.66	11	1,931.49	11	1,572.32	11	1,213.15	11	867.12	11	509.17	11	150.01	11		11		11	
1/4	2,283.18	1/4	1,924.01	1/4	1,564.84	1/4	1,205.67	1/4	859.94	1/4	501.69	1/4	142.53	1/4		1/4		1/4	
1/2	2,275.69	1/2	1,916.52	1/2	1,557.35	1/2	1,198.18	1/2	852.76	1/2	494.21	1/2	135.05	1/2		1/2		1/2	
3/4	2,268.21	3/4	1,909.04	3/4	1,549.87	3/4	1,190.84	3/4	845.43	3/4	486.73	3/4	127.57	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2014 CL  
RECALCULATED: 03/23/2019 CL  
VERIFIED: 03/20/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

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



# BARGE "HTCO 3114"

## 2 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	4,781.29	0	4,423.46	0	4,064.38	0	3,705.23	0	3,346.08	0	2,986.92
1/4		1/4		1/4		1/4		1/4	4,773.87	1/4	4,416.00	1/4	4,056.90	1/4	3,697.75	1/4	3,338.60	1/4	2,979.43
1/2		1/2		1/2		1/2		1/2	4,766.45	1/2	4,408.53	1/2	4,049.42	1/2	3,690.26	1/2	3,331.11	1/2	2,971.95
3/4		3/4		3/4		3/4		3/4	4,759.03	3/4	4,401.06	3/4	4,041.93	3/4	3,682.78	3/4	3,323.63	3/4	2,964.46
1		1		1		1	5,096.15	1	4,751.61	1	4,393.59	1	4,034.45	1	3,675.30	1	3,316.15	1	2,956.97
1/4		1/4		1/4		1/4	5,091.40	1/4	4,744.19	1/4	4,386.12	1/4	4,026.97	1/4	3,667.82	1/4	3,308.67	1/4	2,949.49
1/2		1/2		1/2		1/2	5,085.58	1/2	4,736.75	1/2	4,378.64	1/2	4,019.49	1/2	3,660.34	1/2	3,301.18	1/2	2,942.00
3/4		3/4		3/4		3/4	5,079.76	3/4	4,729.31	3/4	4,371.15	3/4	4,012.00	3/4	3,652.85	3/4	3,293.70	3/4	2,934.51
2		2		2		2	5,073.94	2	4,721.87	2	4,363.67	2	4,004.52	2	3,645.37	2	3,286.22	2	2,927.03
1/4		1/4		1/4		1/4	5,068.12	1/4	4,714.43	1/4	4,356.19	1/4	3,997.04	1/4	3,637.89	1/4	3,278.74	1/4	2,919.54
1/2		1/2		1/2		1/2	5,061.30	1/2	4,706.97	1/2	4,348.71	1/2	3,989.56	1/2	3,630.41	1/2	3,271.26	1/2	2,912.06
3/4		3/4		3/4		3/4	5,054.47	3/4	4,699.51	3/4	4,341.22	3/4	3,982.07	3/4	3,622.92	3/4	3,263.77	3/4	2,904.57
3		3		3		3	5,047.65	3	4,692.05	3	4,333.74	3	3,974.59	3	3,615.44	3	3,256.29	3	2,897.08
1/4		1/4		1/4		1/4	5,040.83	1/4	4,684.59	1/4	4,326.26	1/4	3,967.11	1/4	3,607.96	1/4	3,248.81	1/4	2,889.60
1/2		1/2		1/2		1/2	5,033.47	1/2	4,677.12	1/2	4,318.78	1/2	3,959.63	1/2	3,600.48	1/2	3,241.33	1/2	2,882.11
3/4		3/4		3/4		3/4	5,026.11	3/4	4,669.66	3/4	4,311.30	3/4	3,952.15	3/4	3,592.99	3/4	3,233.84	3/4	2,874.62
4		4		4		4	5,018.75	4	4,662.20	4	4,303.81	4	3,944.66	4	3,585.51	4	3,226.36	4	2,867.14
1/4		1/4		1/4		1/4	5,011.39	1/4	4,654.74	1/4	4,296.33	1/4	3,937.18	1/4	3,578.03	1/4	3,218.88	1/4	2,859.65
1/2		1/2		1/2		1/2	5,003.97	1/2	4,647.28	1/2	4,288.85	1/2	3,929.70	1/2	3,570.55	1/2	3,211.40	1/2	2,852.16
3/4		3/4		3/4		3/4	4,996.54	3/4	4,639.82	3/4	4,281.37	3/4	3,922.22	3/4	3,563.07	3/4	3,203.92	3/4	2,844.68
5		5		5		5	4,989.12	5	4,632.36	5	4,273.88	5	3,914.73	5	3,555.58	5	3,196.43	5	2,837.19
1/4		1/4		1/4		1/4	4,981.69	1/4	4,624.90	1/4	4,266.40	1/4	3,907.25	1/4	3,548.10	1/4	3,188.95	1/4	2,829.71
1/2		1/2		1/2		1/2	4,974.27	1/2	4,617.44	1/2	4,258.92	1/2	3,899.77	1/2	3,540.62	1/2	3,181.47	1/2	2,822.22
3/4		3/4		3/4		3/4	4,966.84	3/4	4,609.98	3/4	4,251.44	3/4	3,892.29	3/4	3,533.14	3/4	3,173.99	3/4	2,814.73
6		6		6		6	4,959.42	6	4,602.52	6	4,243.95	6	3,884.80	6	3,525.65	6	3,166.50	6	2,807.25
1/4		1/4		1/4		1/4	4,952.00	1/4	4,595.06	1/4	4,236.47	1/4	3,877.32	1/4	3,518.17	1/4	3,159.02	1/4	2,799.76
1/2		1/2		1/2		1/2	4,944.57	1/2	4,587.60	1/2	4,228.99	1/2	3,869.84	1/2	3,510.69	1/2	3,151.54	1/2	2,792.27
3/4		3/4		3/4		3/4	4,937.15	3/4	4,580.14	3/4	4,221.51	3/4	3,862.36	3/4	3,503.21	3/4	3,144.06	3/4	2,784.79
7		7		7		7	4,929.72	7	4,572.68	7	4,214.03	7	3,854.88	7	3,495.72	7	3,136.57	7	2,777.30
1/4		1/4		1/4		1/4	4,922.30	1/4	4,565.22	1/4	4,206.54	1/4	3,847.39	1/4	3,488.24	1/4	3,129.09	1/4	2,769.82
1/2		1/2		1/2		1/2	4,914.87	1/2	4,557.76	1/2	4,199.06	1/2	3,839.91	1/2	3,480.76	1/2	3,121.61	1/2	2,762.33
3/4		3/4		3/4		3/4	4,907.45	3/4	4,550.29	3/4	4,191.58	3/4	3,832.43	3/4	3,473.28	3/4	3,114.13	3/4	2,754.84
8		8		8		8	4,900.03	8	4,542.83	8	4,184.10	8	3,824.95	8	3,465.80	8	3,106.65	8	2,747.36
1/4		1/4		1/4		1/4	4,892.60	1/4	4,535.37	1/4	4,176.61	1/4	3,817.46	1/4	3,458.31	1/4	3,099.16	1/4	2,739.87
1/2		1/2		1/2		1/2	4,885.18	1/2	4,527.91	1/2	4,169.13	1/2	3,809.98	1/2	3,450.83	1/2	3,091.68	1/2	2,732.38
3/4		3/4		3/4		3/4	4,877.76	3/4	4,520.45	3/4	4,161.65	3/4	3,802.50	3/4	3,443.35	3/4	3,084.20	3/4	2,724.90
9		9		9		9	4,870.34	9	4,512.99	9	4,154.17	9	3,795.02	9	3,435.87	9	3,076.72	9	2,717.41
1/4		1/4		1/4		1/4	4,862.92	1/4	4,505.53	1/4	4,146.68	1/4	3,787.53	1/4	3,428.38	1/4	3,069.23	1/4	2,709.93
1/2		1/2		1/2		1/2	4,855.50	1/2	4,498.07	1/2	4,139.20	1/2	3,780.05	1/2	3,420.90	1/2	3,061.75	1/2	2,702.44
3/4		3/4		3/4		3/4	4,848.08	3/4	4,490.61	3/4	4,131.72	3/4	3,772.57	3/4	3,413.42	3/4	3,054.27	3/4	2,694.95
10		10		10		10	4,840.66	10	4,483.15	10	4,124.24	10	3,765.09	10	3,405.94	10	3,046.79	10	2,687.47
1/4		1/4		1/4		1/4	4,833.24	1/4	4,475.69	1/4	4,116.76	1/4	3,757.61	1/4	3,398.45	1/4	3,039.30	1/4	2,679.98
1/2		1/2		1/2		1/2	4,825.82	1/2	4,468.23	1/2	4,109.27	1/2	3,750.12	1/2	3,390.97	1/2	3,031.82	1/2	2,672.49
3/4		3/4		3/4		3/4	4,818.40	3/4	4,460.77	3/4	4,101.79	3/4	3,742.64	3/4	3,383.49	3/4	3,024.34	3/4	2,665.01
11		11		11		11	4,810.98	11	4,453.31	11	4,094.31	11	3,735.16	11	3,376.01	11	3,016.86	11	2,657.52
1/4		1/4		1/4		1/4	4,803.56	1/4	4,445.85	1/4	4,086.83	1/4	3,727.68	1/4	3,368.53	1/4	3,009.38	1/4	2,650.03
1/2		1/2		1/2		1/2	4,796.13	1/2	4,438.39	1/2	4,079.34	1/2	3,720.19	1/2	3,361.04	1/2	3,001.89	1/2	2,642.55
3/4		3/4		3/4		3/4	4,788.71	3/4	4,430.92	3/4	4,071.86	3/4	3,712.71	3/4	3,353.56	3/4	2,994.40	3/4	2,635.06

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'-07" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "HTCO 3114"

## 2 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	2,627.58	0	2,268.23	0	1,908.89	0	1,549.55	0	1,190.21	0	831.32	0	471.99	0	112.66	0		0	
1/4	2,620.09	1/4	2,260.75	1/4	1,901.40	1/4	1,542.06	1/4	1,182.72	1/4	823.84	1/4	464.50	1/4	105.17	1/4		1/4	
1/2	2,612.60	1/2	2,253.26	1/2	1,893.92	1/2	1,534.58	1/2	1,175.23	1/2	816.35	1/2	457.02	1/2	97.68	1/2		1/2	
3/4	2,605.12	3/4	2,245.77	3/4	1,886.43	3/4	1,527.09	3/4	1,167.75	3/4	808.86	3/4	449.53	3/4	90.20	3/4		3/4	
1	2,597.63	1	2,238.29	1	1,878.95	1	1,519.60	1	1,160.26	1	801.38	1	442.05	1	82.71	1		1	
1/4	2,590.14	1/4	2,230.80	1/4	1,871.46	1/4	1,512.12	1/4	1,152.77	1/4	793.89	1/4	434.56	1/4	75.23	1/4		1/4	
1/2	2,582.66	1/2	2,223.32	1/2	1,863.97	1/2	1,504.63	1/2	1,145.29	1/2	786.41	1/2	427.07	1/2	68.21	1/2		1/2	
3/4	2,575.17	3/4	2,215.83	3/4	1,856.49	3/4	1,497.14	3/4	1,137.81	3/4	778.92	3/4	419.59	3/4	61.19	3/4		3/4	
2	2,567.69	2	2,208.34	2	1,849.00	2	1,489.66	2	1,130.32	2	771.43	2	412.10	2	54.17	2		2	
1/4	2,560.20	1/4	2,200.86	1/4	1,841.51	1/4	1,482.17	1/4	1,122.84	1/4	763.95	1/4	404.61	1/4	47.15	1/4		1/4	
1/2	2,552.71	1/2	2,193.37	1/2	1,834.03	1/2	1,474.69	1/2	1,115.36	1/2	756.46	1/2	397.13	1/2	41.54	1/2		1/2	
3/4	2,545.23	3/4	2,185.88	3/4	1,826.54	3/4	1,467.20	3/4	1,107.88	3/4	748.98	3/4	389.64	3/4	35.92	3/4		3/4	
3	2,537.74	3	2,178.40	3	1,819.06	3	1,459.71	3	1,100.40	3	741.49	3	382.16	3	30.31	3		3	
1/4	2,530.25	1/4	2,170.91	1/4	1,811.57	1/4	1,452.23	1/4	1,092.92	1/4	734.00	1/4	374.67	1/4	24.70	1/4		1/4	
1/2	2,522.77	1/2	2,163.43	1/2	1,804.08	1/2	1,444.74	1/2	1,085.44	1/2	726.52	1/2	367.18	1/2	20.95	1/2		1/2	
3/4	2,515.28	3/4	2,155.94	3/4	1,796.60	3/4	1,437.25	3/4	1,077.96	3/4	719.03	3/4	359.70	3/4		3/4		3/4	
4	2,507.80	4	2,148.45	4	1,789.11	4	1,429.77	4	1,070.49	4	711.54	4	352.21	4		4		4	
1/4	2,500.31	1/4	2,140.97	1/4	1,781.62	1/4	1,422.28	1/4	1,063.01	1/4	704.06	1/4	344.73	1/4		1/4		1/4	
1/2	2,492.82	1/2	2,133.48	1/2	1,774.14	1/2	1,414.80	1/2	1,055.53	1/2	696.57	1/2	337.24	1/2		1/2		1/2	
3/4	2,485.34	3/4	2,125.99	3/4	1,766.65	3/4	1,407.31	3/4	1,048.06	3/4	689.09	3/4	329.75	3/4		3/4		3/4	
5	2,477.85	5	2,118.51	5	1,759.17	5	1,399.82	5	1,040.59	5	681.60	5	322.27	5		5		5	
1/4	2,470.36	1/4	2,111.02	1/4	1,751.68	1/4	1,392.34	1/4	1,033.11	1/4	674.11	1/4	314.78	1/4		1/4		1/4	
1/2	2,462.88	1/2	2,103.53	1/2	1,744.19	1/2	1,384.85	1/2	1,025.64	1/2	666.63	1/2	307.30	1/2		1/2		1/2	
3/4	2,455.39	3/4	2,096.05	3/4	1,736.71	3/4	1,377.36	3/4	1,018.17	3/4	659.14	3/4	299.81	3/4		3/4		3/4	
6	2,447.90	6	2,088.56	6	1,729.22	6	1,369.88	6	1,010.69	6	651.66	6	292.32	6		6		6	
1/4	2,440.42	1/4	2,081.08	1/4	1,721.73	1/4	1,362.39	1/4	1,003.22	1/4	644.17	1/4	284.84	1/4		1/4		1/4	
1/2	2,432.93	1/2	2,073.59	1/2	1,714.25	1/2	1,354.90	1/2	995.75	1/2	636.68	1/2	277.35	1/2		1/2		1/2	
3/4	2,425.45	3/4	2,066.10	3/4	1,706.76	3/4	1,347.42	3/4	988.28	3/4	629.20	3/4	269.87	3/4		3/4		3/4	
7	2,417.96	7	2,058.62	7	1,699.27	7	1,339.93	7	980.80	7	621.71	7	262.38	7		7		7	
1/4	2,410.47	1/4	2,051.13	1/4	1,691.79	1/4	1,332.45	1/4	973.33	1/4	614.23	1/4	254.89	1/4		1/4		1/4	
1/2	2,402.99	1/2	2,043.64	1/2	1,684.30	1/2	1,324.96	1/2	965.86	1/2	606.74	1/2	247.41	1/2		1/2		1/2	
3/4	2,395.50	3/4	2,036.16	3/4	1,676.82	3/4	1,317.47	3/4	958.38	3/4	599.25	3/4	239.92	3/4		3/4		3/4	
8	2,388.01	8	2,028.67	8	1,669.33	8	1,309.99	8	950.91	8	591.77	8	232.43	8		8		8	
1/4	2,380.53	1/4	2,021.19	1/4	1,661.84	1/4	1,302.50	1/4	943.44	1/4	584.28	1/4	224.95	1/4		1/4		1/4	
1/2	2,373.04	1/2	2,013.70	1/2	1,654.36	1/2	1,295.01	1/2	935.96	1/2	576.80	1/2	217.46	1/2		1/2		1/2	
3/4	2,365.56	3/4	2,006.21	3/4	1,646.87	3/4	1,287.53	3/4	928.49	3/4	569.31	3/4	209.98	3/4		3/4		3/4	
9	2,358.07	9	1,998.73	9	1,639.38	9	1,280.04	9	921.02	9	561.82	9	202.49	9		9		9	
1/4	2,350.58	1/4	1,991.24	1/4	1,631.90	1/4	1,272.56	1/4	913.54	1/4	554.34	1/4	195.00	1/4		1/4		1/4	
1/2	2,343.10	1/2	1,983.75	1/2	1,624.41	1/2	1,265.07	1/2	906.07	1/2	546.85	1/2	187.52	1/2		1/2		1/2	
3/4	2,335.61	3/4	1,976.27	3/4	1,616.93	3/4	1,257.58	3/4	898.60	3/4	539.36	3/4	180.03	3/4		3/4		3/4	
10	2,328.12	10	1,968.78	10	1,609.44	10	1,250.10	10	891.12	10	531.88	10	172.55	10		10		10	
1/4	2,320.64	1/4	1,961.30	1/4	1,601.95	1/4	1,242.61	1/4	883.65	1/4	524.39	1/4	165.06	1/4		1/4		1/4	
1/2	2,313.15	1/2	1,953.81	1/2	1,594.47	1/2	1,235.12	1/2	876.18	1/2	516.91	1/2	157.57	1/2		1/2		1/2	
3/4	2,305.67	3/4	1,946.32	3/4	1,586.98	3/4	1,227.64	3/4	868.70	3/4	509.42	3/4	150.09	3/4		3/4		3/4	
11	2,298.18	11	1,938.84	11	1,579.49	11	1,220.15	11	861.23	11	501.93	11	142.60	11		11		11	
1/4	2,290.69	1/4	1,931.35	1/4	1,572.01	1/4	1,212.67	1/4	853.76	1/4	494.45	1/4	135.12	1/4		1/4		1/4	
1/2	2,283.21	1/2	1,923.86	1/2	1,564.52	1/2	1,205.18	1/2	846.28	1/2	486.96	1/2	127.63	1/2		1/2		1/2	
3/4	2,275.72	3/4	1,916.38	3/4	1,557.04	3/4	1,197.69	3/4	838.80	3/4	479.48	3/4	120.14	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2014 CL  
RECALCULATED: 03/23/2019 CL  
VERIFIED: 03/20/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HTCO 3114"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

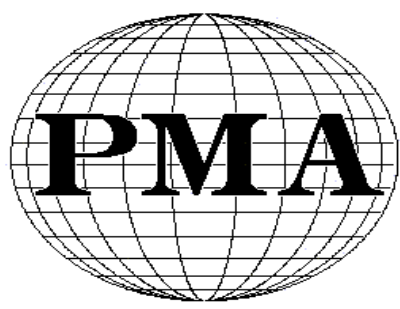
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,378.18	0	4,131.76	0	3,884.50	0	3,637.20	0	3,310.71	0	2,954.20
1/4		1/4		1/4		1/4		1/4	4,373.07	1/4	4,126.62	1/4	3,879.34	1/4	3,632.04	1/4	3,303.30	1/4	2,946.77
1/2		1/2		1/2		1/2		1/2	4,367.95	1/2	4,121.47	1/2	3,874.19	1/2	3,626.89	1/2	3,295.89	1/2	2,939.34
3/4		3/4		3/4		3/4		3/4	4,362.84	3/4	4,116.33	3/4	3,869.04	3/4	3,621.74	3/4	3,288.48	3/4	2,931.91
1		1		1		1	4,591.38	1	4,357.73	1	4,111.18	1	3,863.89	1	3,616.59	1	3,281.07	1	2,924.47
1/4		1/4		1/4		1/4	4,588.93	1/4	4,352.62	1/4	4,106.04	1/4	3,858.74	1/4	3,611.43	1/4	3,273.66	1/4	2,917.04
1/2		1/2		1/2		1/2	4,585.42	1/2	4,347.50	1/2	4,100.88	1/2	3,853.58	1/2	3,606.28	1/2	3,266.24	1/2	2,909.61
3/4		3/4		3/4		3/4	4,581.90	3/4	4,342.37	3/4	4,095.73	3/4	3,848.43	3/4	3,601.13	3/4	3,258.82	3/4	2,902.17
2		2		2		2	4,578.39	2	4,337.25	2	4,090.58	2	3,843.28	2	3,595.98	2	3,251.40	2	2,894.74
1/4		1/4		1/4		1/4	4,574.87	1/4	4,332.12	1/4	4,085.43	1/4	3,838.13	1/4	3,590.83	1/4	3,243.98	1/4	2,887.31
1/2		1/2		1/2		1/2	4,570.36	1/2	4,326.99	1/2	4,080.28	1/2	3,832.97	1/2	3,585.10	1/2	3,236.55	1/2	2,879.88
3/4		3/4		3/4		3/4	4,565.84	3/4	4,321.85	3/4	4,075.12	3/4	3,827.82	3/4	3,579.37	3/4	3,229.12	3/4	2,872.44
3		3		3		3	4,561.33	3	4,316.71	3	4,069.97	3	3,822.67	3	3,573.65	3	3,221.69	3	2,865.01
1/4		1/4		1/4		1/4	4,556.82	1/4	4,311.57	1/4	4,064.82	1/4	3,817.52	1/4	3,567.92	1/4	3,214.26	1/4	2,857.58
1/2		1/2		1/2		1/2	4,551.77	1/2	4,306.44	1/2	4,059.67	1/2	3,812.37	1/2	3,561.06	1/2	3,206.83	1/2	2,850.14
3/4		3/4		3/4		3/4	4,546.72	3/4	4,301.30	3/4	4,054.52	3/4	3,807.21	3/4	3,554.20	3/4	3,199.40	3/4	2,842.71
4		4		4		4	4,541.68	4	4,296.16	4	4,049.36	4	3,802.06	4	3,547.34	4	3,191.97	4	2,835.28
1/4		1/4		1/4		1/4	4,536.63	1/4	4,291.02	1/4	4,044.21	1/4	3,796.91	1/4	3,540.47	1/4	3,184.54	1/4	2,827.85
1/2		1/2		1/2		1/2	4,531.52	1/2	4,285.89	1/2	4,039.06	1/2	3,791.76	1/2	3,533.05	1/2	3,177.11	1/2	2,820.41
3/4		3/4		3/4		3/4	4,526.41	3/4	4,280.75	3/4	4,033.91	3/4	3,786.61	3/4	3,525.63	3/4	3,169.68	3/4	2,812.98
5		5		5		5	4,521.29	5	4,275.61	5	4,028.75	5	3,781.45	5	3,518.21	5	3,162.25	5	2,805.55
1/4		1/4		1/4		1/4	4,516.18	1/4	4,270.47	1/4	4,023.60	1/4	3,776.30	1/4	3,510.79	1/4	3,154.82	1/4	2,798.11
1/2		1/2		1/2		1/2	4,511.07	1/2	4,265.34	1/2	4,018.45	1/2	3,771.15	1/2	3,503.37	1/2	3,147.39	1/2	2,790.68
3/4		3/4		3/4		3/4	4,505.95	3/4	4,260.20	3/4	4,013.30	3/4	3,766.00	3/4	3,495.96	3/4	3,139.96	3/4	2,783.25
6		6		6		6	4,500.84	6	4,255.06	6	4,008.15	6	3,760.85	6	3,488.54	6	3,132.53	6	2,775.81
1/4		1/4		1/4		1/4	4,495.73	1/4	4,249.92	1/4	4,002.99	1/4	3,755.69	1/4	3,481.13	1/4	3,125.10	1/4	2,768.38
1/2		1/2		1/2		1/2	4,490.61	1/2	4,244.79	1/2	3,997.84	1/2	3,750.54	1/2	3,473.72	1/2	3,117.67	1/2	2,760.95
3/4		3/4		3/4		3/4	4,485.50	3/4	4,239.65	3/4	3,992.69	3/4	3,745.39	3/4	3,466.31	3/4	3,110.24	3/4	2,753.52
7		7		7		7	4,480.39	7	4,234.51	7	3,987.54	7	3,740.24	7	3,458.90	7	3,102.81	7	2,746.08
1/4		1/4		1/4		1/4	4,475.28	1/4	4,229.37	1/4	3,982.39	1/4	3,735.09	1/4	3,451.49	1/4	3,095.38	1/4	2,738.65
1/2		1/2		1/2		1/2	4,470.16	1/2	4,224.24	1/2	3,977.23	1/2	3,729.93	1/2	3,444.08	1/2	3,087.95	1/2	2,731.22
3/4		3/4		3/4		3/4	4,465.05	3/4	4,219.10	3/4	3,972.08	3/4	3,724.78	3/4	3,436.67	3/4	3,080.52	3/4	2,723.78
8		8		8		8	4,459.94	8	4,213.96	8	3,966.93	8	3,719.63	8	3,429.26	8	3,073.09	8	2,716.35
1/4		1/4		1/4		1/4	4,454.83	1/4	4,208.82	1/4	3,961.78	1/4	3,714.48	1/4	3,421.85	1/4	3,065.66	1/4	2,708.92
1/2		1/2		1/2		1/2	4,449.72	1/2	4,203.68	1/2	3,956.63	1/2	3,709.32	1/2	3,414.44	1/2	3,058.23	1/2	2,701.49
3/4		3/4		3/4		3/4	4,444.61	3/4	4,198.55	3/4	3,951.47	3/4	3,704.17	3/4	3,407.03	3/4	3,050.80	3/4	2,694.05
9		9		9		9	4,439.50	9	4,193.41	9	3,946.32	9	3,699.02	9	3,399.62	9	3,043.37	9	2,686.62
1/4		1/4		1/4		1/4	4,434.39	1/4	4,188.27	1/4	3,941.17	1/4	3,693.87	1/4	3,392.22	1/4	3,035.94	1/4	2,679.19
1/2		1/2		1/2		1/2	4,429.28	1/2	4,183.13	1/2	3,936.02	1/2	3,688.72	1/2	3,384.81	1/2	3,028.51	1/2	2,671.75
3/4		3/4		3/4		3/4	4,424.17	3/4	4,178.00	3/4	3,930.86	3/4	3,683.56	3/4	3,377.40	3/4	3,021.08	3/4	2,664.32
10		10		10		10	4,419.06	10	4,172.86	10	3,925.71	10	3,678.41	10	3,369.99	10	3,013.65	10	2,656.89
1/4		1/4		1/4		1/4	4,413.95	1/4	4,167.72	1/4	3,920.56	1/4	3,673.26	1/4	3,362.58	1/4	3,006.22	1/4	2,649.46
1/2		1/2		1/2		1/2	4,408.84	1/2	4,162.58	1/2	3,915.41	1/2	3,668.11	1/2	3,355.17	1/2	2,998.79	1/2	2,642.02
3/4		3/4		3/4		3/4	4,403.73	3/4	4,157.45	3/4	3,910.26	3/4	3,662.96	3/4	3,347.76	3/4	2,991.36	3/4	2,634.59
11		11		11		11	4,398.62	11	4,152.31	11	3,905.10	11	3,657.80	11	3,340.35	11	2,983.93	11	2,627.16
1/4		1/4		1/4		1/4	4,393.51	1/4	4,147.17	1/4	3,899.95	1/4	3,652.65	1/4	3,332.94	1/4	2,976.50	1/4	2,619.72
1/2		1/2		1/2		1/2	4,388.40	1/2	4,142.03	1/2	3,894.80	1/2	3,647.50	1/2	3,325.53	1/2	2,969.07	1/2	2,612.29
3/4		3/4		3/4		3/4	4,383.29	3/4	4,136.90	3/4	3,889.65	3/4	3,642.35	3/4	3,318.12	3/4	2,961.63	3/4	2,604.85

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'-07" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HTCO 3114"

## 3 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	2,597.41	0	2,241.60	0	1,887.38	0	1,530.28	0	1,173.46	0	826.71	0	469.50	0	112.19	0		0	
1/4	2,589.98	1/4	2,234.21	1/4	1,879.97	1/4	1,522.84	1/4	1,166.13	1/4	819.39	1/4	462.06	1/4	104.74	1/4		1/4	
1/2	2,582.54	1/2	2,226.83	1/2	1,872.53	1/2	1,515.40	1/2	1,158.90	1/2	811.94	1/2	454.62	1/2	97.29	1/2		1/2	
3/4	2,575.10	3/4	2,219.45	3/4	1,865.09	3/4	1,507.96	3/4	1,151.67	3/4	804.50	3/4	447.17	3/4	89.83	3/4		3/4	
1	2,567.66	1	2,212.07	1	1,857.65	1	1,500.52	1	1,144.44	1	797.05	1	439.73	1	82.38	1		1	
1/4	2,560.22	1/4	2,204.70	1/4	1,850.21	1/4	1,493.08	1/4	1,137.21	1/4	789.61	1/4	432.29	1/4	74.93	1/4		1/4	
1/2	2,552.78	1/2	2,197.32	1/2	1,842.76	1/2	1,485.64	1/2	1,129.98	1/2	782.17	1/2	424.84	1/2	67.94	1/2		1/2	
3/4	2,545.34	3/4	2,189.94	3/4	1,835.32	3/4	1,478.20	3/4	1,122.76	3/4	774.72	3/4	417.40	3/4	60.95	3/4		3/4	
2	2,537.90	2	2,182.57	2	1,827.88	2	1,470.75	2	1,115.54	2	767.28	2	409.96	2	53.96	2		2	
1/4	2,530.46	1/4	2,175.19	1/4	1,820.44	1/4	1,463.31	1/4	1,108.31	1/4	759.83	1/4	402.51	1/4	46.97	1/4		1/4	
1/2	2,523.02	1/2	2,167.81	1/2	1,813.00	1/2	1,455.87	1/2	1,101.10	1/2	752.39	1/2	395.07	1/2	41.37	1/2		1/2	
3/4	2,515.58	3/4	2,160.43	3/4	1,805.56	3/4	1,448.43	3/4	1,093.88	3/4	744.94	3/4	387.63	3/4	35.78	3/4		3/4	
3	2,508.14	3	2,153.06	3	1,798.12	3	1,440.99	3	1,086.66	3	737.50	3	380.18	3	30.19	3		3	
1/4	2,500.70	1/4	2,145.68	1/4	1,790.68	1/4	1,433.55	1/4	1,079.44	1/4	730.05	1/4	372.74	1/4	24.60	1/4		1/4	
1/2	2,493.27	1/2	2,138.30	1/2	1,783.24	1/2	1,426.11	1/2	1,072.23	1/2	722.61	1/2	365.30	1/2	20.87	1/2		1/2	
3/4	2,485.85	3/4	2,130.92	3/4	1,775.80	3/4	1,418.67	3/4	1,065.01	3/4	715.17	3/4	357.86	3/4		3/4		3/4	
4	2,478.43	4	2,123.55	4	1,768.36	4	1,411.23	4	1,057.80	4	707.72	4	350.41	4		4		4	
1/4	2,471.01	1/4	2,116.17	1/4	1,760.92	1/4	1,403.79	1/4	1,050.59	1/4	700.28	1/4	342.97	1/4		1/4		1/4	
1/2	2,463.61	1/2	2,108.79	1/2	1,753.48	1/2	1,396.35	1/2	1,043.38	1/2	692.83	1/2	335.53	1/2		1/2		1/2	
3/4	2,456.21	3/4	2,101.41	3/4	1,746.04	3/4	1,388.91	3/4	1,036.17	3/4	685.39	3/4	328.08	3/4		3/4		3/4	
5	2,448.81	5	2,094.04	5	1,738.60	5	1,381.47	5	1,028.95	5	677.94	5	320.64	5		5		5	
1/4	2,441.41	1/4	2,086.66	1/4	1,731.16	1/4	1,374.03	1/4	1,021.74	1/4	670.50	1/4	313.20	1/4		1/4		1/4	
1/2	2,434.00	1/2	2,079.28	1/2	1,723.72	1/2	1,366.59	1/2	1,014.53	1/2	663.06	1/2	305.75	1/2		1/2		1/2	
3/4	2,426.60	3/4	2,071.91	3/4	1,716.28	3/4	1,359.15	3/4	1,007.32	3/4	655.61	3/4	298.31	3/4		3/4		3/4	
6	2,419.20	6	2,064.53	6	1,708.84	6	1,351.71	6	1,000.11	6	648.17	6	290.87	6		6		6	
1/4	2,411.80	1/4	2,057.15	1/4	1,701.40	1/4	1,344.27	1/4	992.90	1/4	640.72	1/4	283.42	1/4		1/4		1/4	
1/2	2,404.40	1/2	2,049.77	1/2	1,693.96	1/2	1,336.83	1/2	985.69	1/2	633.28	1/2	275.98	1/2		1/2		1/2	
3/4	2,396.99	3/4	2,042.40	3/4	1,686.52	3/4	1,329.39	3/4	978.48	3/4	625.83	3/4	268.54	3/4		3/4		3/4	
7	2,389.59	7	2,035.02	7	1,679.08	7	1,321.95	7	971.27	7	618.39	7	261.09	7		7		7	
1/4	2,382.19	1/4	2,027.64	1/4	1,671.64	1/4	1,314.51	1/4	964.06	1/4	610.94	1/4	253.65	1/4		1/4		1/4	
1/2	2,374.79	1/2	2,020.26	1/2	1,664.20	1/2	1,307.07	1/2	956.85	1/2	603.50	1/2	246.21	1/2		1/2		1/2	
3/4	2,367.39	3/4	2,012.89	3/4	1,656.76	3/4	1,299.63	3/4	949.64	3/4	596.06	3/4	238.76	3/4		3/4		3/4	
8	2,359.99	8	2,005.51	8	1,649.32	8	1,292.19	8	942.43	8	588.61	8	231.32	8		8		8	
1/4	2,352.58	1/4	1,998.13	1/4	1,641.88	1/4	1,284.75	1/4	935.22	1/4	581.17	1/4	223.88	1/4		1/4		1/4	
1/2	2,345.18	1/2	1,990.76	1/2	1,634.44	1/2	1,277.31	1/2	928.01	1/2	573.72	1/2	216.43	1/2		1/2		1/2	
3/4	2,337.78	3/4	1,983.38	3/4	1,627.00	3/4	1,269.87	3/4	920.80	3/4	566.28	3/4	208.99	3/4		3/4		3/4	
9	2,330.38	9	1,976.00	9	1,619.56	9	1,262.43	9	913.59	9	558.83	9	201.54	9		9		9	
1/4	2,322.98	1/4	1,968.62	1/4	1,612.12	1/4	1,254.99	1/4	906.38	1/4	551.39	1/4	194.10	1/4		1/4		1/4	
1/2	2,315.58	1/2	1,961.25	1/2	1,604.68	1/2	1,247.55	1/2	899.17	1/2	543.94	1/2	186.65	1/2		1/2		1/2	
3/4	2,308.17	3/4	1,953.87	3/4	1,597.24	3/4	1,240.11	3/4	891.96	3/4	536.50	3/4	179.21	3/4		3/4		3/4	
10	2,300.77	10	1,946.49	10	1,589.80	10	1,232.67	10	884.75	10	529.06	10	171.76	10		10		10	
1/4	2,293.37	1/4	1,939.11	1/4	1,582.36	1/4	1,225.23	1/4	877.54	1/4	521.61	1/4	164.32	1/4		1/4		1/4	
1/2	2,285.97	1/2	1,931.74	1/2	1,574.92	1/2	1,217.79	1/2	870.33	1/2	514.17	1/2	156.87	1/2		1/2		1/2	
3/4	2,278.57	3/4	1,924.36	3/4	1,567.48	3/4	1,210.35	3/4	863.12	3/4	506.72	3/4	149.43	3/4		3/4		3/4	
11	2,271.17	11	1,916.98	11	1,560.04	11	1,202.91	11	855.91	11	499.28	11	141.98	11		11		11	
1/4	2,263.76	1/4	1,909.61	1/4	1,552.60	1/4	1,195.47	1/4	848.70	1/4	491.83	1/4	134.54	1/4		1/4		1/4	
1/2	2,256.37	1/2	1,902.20	1/2	1,545.16	1/2	1,188.13	1/2	841.37	1/2	484.39	1/2	127.09	1/2		1/2		1/2	
3/4	2,248.99	3/4	1,894.79	3/4	1,537.72	3/4	1,180.80	3/4	834.04	3/4	476.95	3/4	119.64	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2014 CL  
RECALCULATED: 03/23/2019 CL  
VERIFIED: 03/20/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HTCO 3114"

## 3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

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	4,392.73	0	4,146.34	0	3,899.12	0	3,651.87	0	3,322.81	0	2,965.67
1/4		1/4		1/4		1/4		1/4	4,387.62	1/4	4,141.19	1/4	3,893.96	1/4	3,646.72	1/4	3,315.39	1/4	2,958.23
1/2		1/2		1/2		1/2		1/2	4,382.51	1/2	4,136.05	1/2	3,888.81	1/2	3,641.57	1/2	3,307.96	1/2	2,950.78
3/4		3/4		3/4		3/4		3/4	4,611.01	3/4	4,377.40	3/4	4,130.90	3/4	3,883.66	3/4	3,636.41	3/4	3,300.54
1		1		1		1		1	4,608.56	1	4,372.29	1	4,125.76	1	3,878.51	1	3,631.26	1	3,293.12
1/4		1/4		1/4		1/4		1/4	4,605.04	1/4	4,367.17	1/4	4,120.61	1/4	3,873.36	1/4	3,626.11	1/4	3,285.69
1/2		1/2		1/2		1/2		1/2	4,601.53	1/2	4,362.05	1/2	4,115.46	1/2	3,868.21	1/2	3,620.96	1/2	3,278.26
3/4		3/4		3/4		3/4		3/4	4,598.02	3/4	4,356.93	3/4	4,110.31	3/4	3,863.06	3/4	3,615.81	3/4	3,270.82
2		2		2		2		2	4,594.50	2	4,351.80	2	4,105.16	2	3,857.91	2	3,610.66	2	3,263.39
1/4		1/4		1/4		1/4		1/4	4,589.99	1/4	4,346.67	1/4	4,100.00	1/4	3,852.76	1/4	3,604.93	1/4	3,255.95
1/2		1/2		1/2		1/2		1/2	4,585.47	1/2	4,341.53	1/2	4,094.85	1/2	3,847.61	1/2	3,599.21	1/2	3,248.50
3/4		3/4		3/4		3/4		3/4	4,580.96	3/4	4,336.39	3/4	4,089.70	3/4	3,842.45	3/4	3,593.48	3/4	3,241.06
3		3		3		3		3	4,576.45	3	4,331.26	3	4,084.55	3	3,837.30	3	3,587.76	3	3,233.62
1/4		1/4		1/4		1/4		1/4	4,571.40	1/4	4,326.12	1/4	4,079.40	1/4	3,832.15	1/4	3,580.90	1/4	3,226.18
1/2		1/2		1/2		1/2		1/2	4,566.35	1/2	4,320.98	1/2	4,074.25	1/2	3,827.00	1/2	3,574.04	1/2	3,218.73
3/4		3/4		3/4		3/4		3/4	4,561.31	3/4	4,315.85	3/4	4,069.10	3/4	3,821.85	3/4	3,567.18	3/4	3,211.29
4		4		4		4		4	4,556.26	4	4,310.71	4	4,063.95	4	3,816.70	4	3,560.32	4	3,203.85
1/4		1/4		1/4		1/4		1/4	4,551.15	1/4	4,305.57	1/4	4,058.80	1/4	3,811.55	1/4	3,552.90	1/4	3,196.40
1/2		1/2		1/2		1/2		1/2	4,546.04	1/2	4,300.44	1/2	4,053.65	1/2	3,806.40	1/2	3,545.47	1/2	3,188.96
3/4		3/4		3/4		3/4		3/4	4,540.93	3/4	4,295.30	3/4	4,048.49	3/4	3,801.25	3/4	3,538.05	3/4	3,181.52
5		5		5		5		5	4,535.82	5	4,290.16	5	4,043.34	5	3,796.10	5	3,530.63	5	3,174.08
1/4		1/4		1/4		1/4		1/4	4,530.70	1/4	4,285.03	1/4	4,038.19	1/4	3,790.94	1/4	3,523.21	1/4	3,166.63
1/2		1/2		1/2		1/2		1/2	4,525.59	1/2	4,279.89	1/2	4,033.04	1/2	3,785.79	1/2	3,515.79	1/2	3,159.19
3/4		3/4		3/4		3/4		3/4	4,520.48	3/4	4,274.75	3/4	4,027.89	3/4	3,780.64	3/4	3,508.36	3/4	3,151.75
6		6		6		6		6	4,515.37	6	4,269.62	6	4,022.74	6	3,775.49	6	3,500.94	6	3,144.30
1/4		1/4		1/4		1/4		1/4	4,510.26	1/4	4,264.48	1/4	4,017.59	1/4	3,770.34	1/4	3,493.52	1/4	3,136.86
1/2		1/2		1/2		1/2		1/2	4,505.14	1/2	4,259.34	1/2	4,012.44	1/2	3,765.19	1/2	3,486.10	1/2	3,129.42
3/4		3/4		3/4		3/4		3/4	4,500.03	3/4	4,254.21	3/4	4,007.29	3/4	3,760.04	3/4	3,478.67	3/4	3,121.98
7		7		7		7		7	4,494.92	7	4,249.07	7	4,002.14	7	3,754.89	7	3,471.25	7	3,114.53
1/4		1/4		1/4		1/4		1/4	4,489.81	1/4	4,243.94	1/4	3,996.98	1/4	3,749.74	1/4	3,463.83	1/4	3,107.09
1/2		1/2		1/2		1/2		1/2	4,484.70	1/2	4,238.80	1/2	3,991.83	1/2	3,744.59	1/2	3,456.41	1/2	3,099.65
3/4		3/4		3/4		3/4		3/4	4,479.59	3/4	4,233.66	3/4	3,986.68	3/4	3,739.43	3/4	3,448.99	3/4	3,092.20
8		8		8		8		8	4,474.48	8	4,228.53	8	3,981.53	8	3,734.28	8	3,441.56	8	3,084.76
1/4		1/4		1/4		1/4		1/4	4,469.37	1/4	4,223.39	1/4	3,976.38	1/4	3,729.13	1/4	3,434.14	1/4	3,077.32
1/2		1/2		1/2		1/2		1/2	4,464.26	1/2	4,218.25	1/2	3,971.23	1/2	3,723.98	1/2	3,426.72	1/2	3,069.88
3/4		3/4		3/4		3/4		3/4	4,459.15	3/4	4,213.12	3/4	3,966.08	3/4	3,718.83	3/4	3,419.30	3/4	3,062.43
9		9		9		9		9	4,454.04	9	4,207.98	9	3,960.93	9	3,713.68	9	3,411.87	9	3,054.99
1/4		1/4		1/4		1/4		1/4	4,448.93	1/4	4,202.84	1/4	3,955.78	1/4	3,708.53	1/4	3,404.45	1/4	3,047.55
1/2		1/2		1/2		1/2		1/2	4,443.82	1/2	4,197.71	1/2	3,950.63	1/2	3,703.38	1/2	3,397.03	1/2	3,040.10
3/4		3/4		3/4		3/4		3/4	4,438.71	3/4	4,192.57	3/4	3,945.47	3/4	3,698.23	3/4	3,389.61	3/4	3,032.66
10		10		10		10		10	4,433.60	10	4,187.43	10	3,940.32	10	3,693.08	10	3,382.19	10	3,025.22
1/4		1/4		1/4		1/4		1/4	4,428.50	1/4	4,182.30	1/4	3,935.17	1/4	3,687.92	1/4	3,374.76	1/4	3,017.77
1/2		1/2		1/2		1/2		1/2	4,423.39	1/2	4,177.16	1/2	3,930.02	1/2	3,682.77	1/2	3,367.34	1/2	3,010.33
3/4		3/4		3/4		3/4		3/4	4,418.28	3/4	4,172.02	3/4	3,924.87	3/4	3,677.62	3/4	3,359.92	3/4	3,002.89
11		11		11		11		11	4,413.17	11	4,166.89	11	3,919.72	11	3,672.47	11	3,352.50	11	2,995.45
1/4		1/4		1/4		1/4		1/4	4,408.06	1/4	4,161.75	1/4	3,914.57	1/4	3,667.32	1/4	3,345.08	1/4	2,988.00
1/2		1/2		1/2		1/2		1/2	4,402.95	1/2	4,156.61	1/2	3,909.42	1/2	3,662.17	1/2	3,337.65	1/2	2,980.56
3/4		3/4		3/4		3/4		3/4	4,397.84	3/4	4,151.48	3/4	3,904.27	3/4	3,657.02	3/4	3,330.23	3/4	2,973.11

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'-07" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HTCO 3114"

3 STBD

## ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 1/4"

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	2,608.27	0	2,250.53	0	1,892.80	0	1,535.06	0	1,177.33	0	820.15	0	462.43	0	104.70	0		0	
1/4	2,600.81	1/4	2,243.08	1/4	1,885.35	1/4	1,527.61	1/4	1,169.88	1/4	812.70	1/4	454.97	1/4	97.25	1/4		1/4	
1/2	2,593.36	1/2	2,235.63	1/2	1,877.89	1/2	1,520.16	1/2	1,162.42	1/2	805.25	1/2	447.52	1/2	89.80	1/2		1/2	
3/4	2,585.91	3/4	2,228.17	3/4	1,870.44	3/4	1,512.71	3/4	1,154.97	3/4	797.79	3/4	440.07	3/4	82.34	3/4		3/4	
1	2,578.46	1	2,220.72	1	1,862.99	1	1,505.25	1	1,147.52	1	790.34	1	432.62	1	74.89	1		1	
1/4	2,571.00	1/4	2,213.27	1/4	1,855.53	1/4	1,497.80	1/4	1,140.07	1/4	782.89	1/4	425.16	1/4	67.90	1/4		1/4	
1/2	2,563.55	1/2	2,205.82	1/2	1,848.08	1/2	1,490.35	1/2	1,132.62	1/2	775.44	1/2	417.71	1/2	60.92	1/2		1/2	
3/4	2,556.10	3/4	2,198.36	3/4	1,840.63	3/4	1,482.89	3/4	1,125.17	3/4	767.98	3/4	410.26	3/4	53.93	3/4		3/4	
2	2,548.65	2	2,190.91	2	1,833.18	2	1,475.44	2	1,117.72	2	760.53	2	402.81	2	46.94	2		2	
1/4	2,541.19	1/4	2,183.46	1/4	1,825.72	1/4	1,467.99	1/4	1,110.28	1/4	753.08	1/4	395.35	1/4	41.35	1/4		1/4	
1/2	2,533.74	1/2	2,176.01	1/2	1,818.27	1/2	1,460.54	1/2	1,102.83	1/2	745.63	1/2	387.90	1/2	35.77	1/2		1/2	
3/4	2,526.29	3/4	2,168.55	3/4	1,810.82	3/4	1,453.08	3/4	1,095.39	3/4	738.17	3/4	380.45	3/4	30.18	3/4		3/4	
3	2,518.83	3	2,161.10	3	1,803.37	3	1,445.63	3	1,087.94	3	730.72	3	373.00	3	24.59	3		3	
1/4	2,511.38	1/4	2,153.65	1/4	1,795.91	1/4	1,438.18	1/4	1,080.50	1/4	723.27	1/4	365.54	1/4	20.86	1/4		1/4	
1/2	2,503.93	1/2	2,146.19	1/2	1,788.46	1/2	1,430.73	1/2	1,073.06	1/2	715.81	1/2	358.09	1/2		1/2		1/2	
3/4	2,496.48	3/4	2,138.74	3/4	1,781.01	3/4	1,423.27	3/4	1,065.62	3/4	708.36	3/4	350.64	3/4		3/4		3/4	
4	2,489.02	4	2,131.29	4	1,773.55	4	1,415.82	4	1,058.18	4	700.91	4	343.18	4		4		4	
1/4	2,481.57	1/4	2,123.84	1/4	1,766.10	1/4	1,408.37	1/4	1,050.74	1/4	693.46	1/4	335.73	1/4		1/4		1/4	
1/2	2,474.12	1/2	2,116.38	1/2	1,758.65	1/2	1,400.91	1/2	1,043.31	1/2	686.00	1/2	328.28	1/2		1/2		1/2	
3/4	2,466.66	3/4	2,108.93	3/4	1,751.20	3/4	1,393.46	3/4	1,035.87	3/4	678.55	3/4	320.83	3/4		3/4		3/4	
5	2,459.21	5	2,101.48	5	1,743.74	5	1,386.01	5	1,028.43	5	671.10	5	313.37	5		5		5	
1/4	2,451.76	1/4	2,094.02	1/4	1,736.29	1/4	1,378.56	1/4	1,020.99	1/4	663.65	1/4	305.92	1/4		1/4		1/4	
1/2	2,444.31	1/2	2,086.57	1/2	1,728.84	1/2	1,371.10	1/2	1,013.56	1/2	656.19	1/2	298.47	1/2		1/2		1/2	
3/4	2,436.85	3/4	2,079.12	3/4	1,721.38	3/4	1,363.65	3/4	1,006.12	3/4	648.74	3/4	291.02	3/4		3/4		3/4	
6	2,429.40	6	2,071.67	6	1,713.93	6	1,356.20	6	998.68	6	641.29	6	283.56	6		6		6	
1/4	2,421.95	1/4	2,064.21	1/4	1,706.48	1/4	1,348.74	1/4	991.24	1/4	633.84	1/4	276.11	1/4		1/4		1/4	
1/2	2,414.49	1/2	2,056.76	1/2	1,699.03	1/2	1,341.29	1/2	983.81	1/2	626.38	1/2	268.66	1/2		1/2		1/2	
3/4	2,407.04	3/4	2,049.31	3/4	1,691.57	3/4	1,333.84	3/4	976.37	3/4	618.93	3/4	261.21	3/4		3/4		3/4	
7	2,399.59	7	2,041.85	7	1,684.12	7	1,326.39	7	968.93	7	611.48	7	253.75	7		7		7	
1/4	2,392.14	1/4	2,034.40	1/4	1,676.67	1/4	1,318.93	1/4	961.49	1/4	604.03	1/4	246.30	1/4		1/4		1/4	
1/2	2,384.68	1/2	2,026.95	1/2	1,669.21	1/2	1,311.48	1/2	954.05	1/2	596.57	1/2	238.85	1/2		1/2		1/2	
3/4	2,377.23	3/4	2,019.50	3/4	1,661.76	3/4	1,304.03	3/4	946.62	3/4	589.12	3/4	231.40	3/4		3/4		3/4	
8	2,369.78	8	2,012.04	8	1,654.31	8	1,296.57	8	939.18	8	581.67	8	223.94	8		8		8	
1/4	2,362.33	1/4	2,004.59	1/4	1,646.86	1/4	1,289.12	1/4	931.74	1/4	574.22	1/4	216.49	1/4		1/4		1/4	
1/2	2,354.87	1/2	1,997.14	1/2	1,639.40	1/2	1,281.67	1/2	924.30	1/2	566.76	1/2	209.04	1/2		1/2		1/2	
3/4	2,347.42	3/4	1,989.69	3/4	1,631.95	3/4	1,274.22	3/4	916.87	3/4	559.31	3/4	201.59	3/4		3/4		3/4	
9	2,339.97	9	1,982.23	9	1,624.50	9	1,266.76	9	909.43	9	551.86	9	194.13	9		9		9	
1/4	2,332.51	1/4	1,974.78	1/4	1,617.05	1/4	1,259.31	1/4	901.99	1/4	544.41	1/4	186.68	1/4		1/4		1/4	
1/2	2,325.06	1/2	1,967.33	1/2	1,609.59	1/2	1,251.86	1/2	894.55	1/2	536.95	1/2	179.23	1/2		1/2		1/2	
3/4	2,317.61	3/4	1,959.87	3/4	1,602.14	3/4	1,244.41	3/4	887.12	3/4	529.50	3/4	171.78	3/4		3/4		3/4	
10	2,310.16	10	1,952.42	10	1,594.69	10	1,236.95	10	879.68	10	522.05	10	164.32	10		10		10	
1/4	2,302.70	1/4	1,944.97	1/4	1,587.23	1/4	1,229.50	1/4	872.24	1/4	514.59	1/4	156.87	1/4		1/4		1/4	
1/2	2,295.25	1/2	1,937.52	1/2	1,579.78	1/2	1,222.05	1/2	864.80	1/2	507.14	1/2	149.42	1/2		1/2		1/2	
3/4	2,287.80	3/4	1,930.06	3/4	1,572.33	3/4	1,214.59	3/4	857.37	3/4	499.69	3/4	141.96	3/4		3/4		3/4	
11	2,280.34	11	1,922.61	11	1,564.88	11	1,207.14	11	849.93	11	492.24	11	134.51	11		11		11	
1/4	2,272.89	1/4	1,915.16	1/4	1,557.42	1/4	1,199.69	1/4	842.48	1/4	484.78	1/4	127.06	1/4		1/4		1/4	
1/2	2,265.44	1/2	1,907.70	1/2	1,549.97	1/2	1,192.24	1/2	835.04	1/2	477.33	1/2	119.61	1/2		1/2		1/2	
3/4	2,257.99	3/4	1,900.25	3/4	1,542.52	3/4	1,184.78	3/4	827.60	3/4	469.88	3/4	112.15	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2014 CL  
RECALCULATED: 03/23/2019 CL  
VERIFIED: 03/20/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HTCO 3114"

## FWD SLOP 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	454	0	908	0	1,361	0	1,815	0		0		0		0		0	
1/4	9	1/4	463	1/4	917	1/4	1,371	1/4	1,825	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	473	1/2	927	1/2	1,380	1/2	1,834	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	482	3/4	936	3/4	1,390	3/4	1,844	3/4		3/4		3/4		3/4		3/4	
1	38	1	492	1	945	1	1,399	1	1,853	1		1		1		1		1	
1/4	47	1/4	501	1/4	955	1/4	1,409	1/4	1,863	1/4		1/4		1/4		1/4		1/4	
1/2	57	1/2	511	1/2	964	1/2	1,418	1/2	1,872	1/2		1/2		1/2		1/2		1/2	
3/4	66	3/4	520	3/4	974	3/4	1,428	3/4	1,881	3/4		3/4		3/4		3/4		3/4	
2	76	2	529	2	983	2	1,437	2	1,891	2		2		2		2		2	
1/4	85	1/4	539	1/4	993	1/4	1,447	1/4	1,900	1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	548	1/2	1,002	1/2	1,456	1/2	1,910	1/2		1/2		1/2		1/2		1/2	
3/4	104	3/4	558	3/4	1,012	3/4	1,465	3/4	1,919	3/4		3/4		3/4		3/4		3/4	
3	113	3	567	3	1,021	3	1,475	3	1,929	3		3		3		3		3	
1/4	123	1/4	577	1/4	1,031	1/4	1,484	1/4	1,938	1/4		1/4		1/4		1/4		1/4	
1/2	132	1/2	586	1/2	1,040	1/2	1,494	1/2	1,948	1/2		1/2		1/2		1/2		1/2	
3/4	142	3/4	596	3/4	1,049	3/4	1,503	3/4	1,957	3/4		3/4		3/4		3/4		3/4	
4	151	4	605	4	1,059	4	1,513	4	1,967	4		4		4		4		4	
1/4	161	1/4	615	1/4	1,068	1/4	1,522	1/4	1,976	1/4		1/4		1/4		1/4		1/4	
1/2	170	1/2	624	1/2	1,078	1/2	1,532	1/2	1,985	1/2		1/2		1/2		1/2		1/2	
3/4	180	3/4	633	3/4	1,087	3/4	1,541	3/4	1,995	3/4		3/4		3/4		3/4		3/4	
5	189	5	643	5	1,097	5	1,551	5	2,004	5		5		5		5		5	
1/4	199	1/4	652	1/4	1,106	1/4	1,560	1/4	2,014	1/4		1/4		1/4		1/4		1/4	
1/2	208	1/2	662	1/2	1,116	1/2	1,569	1/2	2,023	1/2		1/2		1/2		1/2		1/2	
3/4	217	3/4	671	3/4	1,125	3/4	1,579	3/4	2,033	3/4		3/4		3/4		3/4		3/4	
6	227	6	681	6	1,135	6	1,588	6	2,042	6		6		6		6		6	
1/4	236	1/4	690	1/4	1,144	1/4	1,598	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	246	1/2	700	1/2	1,153	1/2	1,607	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	255	3/4	709	3/4	1,163	3/4	1,617	3/4		3/4		3/4		3/4		3/4		3/4	
7	265	7	719	7	1,172	7	1,626	7		7		7		7		7		7	
1/4	274	1/4	728	1/4	1,182	1/4	1,636	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	284	1/2	737	1/2	1,191	1/2	1,645	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	293	3/4	747	3/4	1,201	3/4	1,655	3/4		3/4		3/4		3/4		3/4		3/4	
8	303	8	756	8	1,210	8	1,664	8		8		8		8		8		8	
1/4	312	1/4	766	1/4	1,220	1/4	1,673	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	321	1/2	775	1/2	1,229	1/2	1,683	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	331	3/4	785	3/4	1,239	3/4	1,692	3/4		3/4		3/4		3/4		3/4		3/4	
9	340	9	794	9	1,248	9	1,702	9		9		9		9		9		9	
1/4	350	1/4	804	1/4	1,257	1/4	1,711	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	359	1/2	813	1/2	1,267	1/2	1,721	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	369	3/4	823	3/4	1,276	3/4	1,730	3/4		3/4		3/4		3/4		3/4		3/4	
10	378	10	832	10	1,286	10	1,740	10		10		10		10		10		10	
1/4	388	1/4	841	1/4	1,295	1/4	1,749	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	397	1/2	851	1/2	1,305	1/2	1,759	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	407	3/4	860	3/4	1,314	3/4	1,768	3/4		3/4		3/4		3/4		3/4		3/4	
11	416	11	870	11	1,324	11	1,777	11		11		11		11		11		11	
1/4	425	1/4	879	1/4	1,333	1/4	1,787	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	435	1/2	889	1/2	1,343	1/2	1,796	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	444	3/4	898	3/4	1,352	3/4	1,806	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.

STRAPPED: 03/20/2024 JS  
 CALCULATED: 03/20/2024 CL  
 PRINTED: 03/20/2024 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 03/2024

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 3114"

## AFT SLOP 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	454	0	908	0	1,361	0	1,815	0		0		0		0		0	
1/4	9	1/4	463	1/4	917	1/4	1,371	1/4	1,825	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	473	1/2	927	1/2	1,380	1/2	1,834	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	482	3/4	936	3/4	1,390	3/4	1,844	3/4		3/4		3/4		3/4		3/4	
1	38	1	492	1	945	1	1,399	1	1,853	1		1		1		1		1	
1/4	47	1/4	501	1/4	955	1/4	1,409	1/4	1,863	1/4		1/4		1/4		1/4		1/4	
1/2	57	1/2	511	1/2	964	1/2	1,418	1/2	1,872	1/2		1/2		1/2		1/2		1/2	
3/4	66	3/4	520	3/4	974	3/4	1,428	3/4	1,881	3/4		3/4		3/4		3/4		3/4	
2	76	2	529	2	983	2	1,437	2	1,891	2		2		2		2		2	
1/4	85	1/4	539	1/4	993	1/4	1,447	1/4	1,900	1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	548	1/2	1,002	1/2	1,456	1/2	1,910	1/2		1/2		1/2		1/2		1/2	
3/4	104	3/4	558	3/4	1,012	3/4	1,465	3/4	1,919	3/4		3/4		3/4		3/4		3/4	
3	113	3	567	3	1,021	3	1,475	3	1,929	3		3		3		3		3	
1/4	123	1/4	577	1/4	1,031	1/4	1,484	1/4	1,938	1/4		1/4		1/4		1/4		1/4	
1/2	132	1/2	586	1/2	1,040	1/2	1,494	1/2	1,948	1/2		1/2		1/2		1/2		1/2	
3/4	142	3/4	596	3/4	1,049	3/4	1,503	3/4	1,957	3/4		3/4		3/4		3/4		3/4	
4	151	4	605	4	1,059	4	1,513	4	1,967	4		4		4		4		4	
1/4	161	1/4	615	1/4	1,068	1/4	1,522	1/4	1,976	1/4		1/4		1/4		1/4		1/4	
1/2	170	1/2	624	1/2	1,078	1/2	1,532	1/2	1,985	1/2		1/2		1/2		1/2		1/2	
3/4	180	3/4	633	3/4	1,087	3/4	1,541	3/4	1,995	3/4		3/4		3/4		3/4		3/4	
5	189	5	643	5	1,097	5	1,551	5	2,004	5		5		5		5		5	
1/4	199	1/4	652	1/4	1,106	1/4	1,560	1/4	2,014	1/4		1/4		1/4		1/4		1/4	
1/2	208	1/2	662	1/2	1,116	1/2	1,569	1/2	2,023	1/2		1/2		1/2		1/2		1/2	
3/4	217	3/4	671	3/4	1,125	3/4	1,579	3/4	2,033	3/4		3/4		3/4		3/4		3/4	
6	227	6	681	6	1,135	6	1,588	6	2,042	6		6		6		6		6	
1/4	236	1/4	690	1/4	1,144	1/4	1,598	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	246	1/2	700	1/2	1,153	1/2	1,607	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	255	3/4	709	3/4	1,163	3/4	1,617	3/4		3/4		3/4		3/4		3/4		3/4	
7	265	7	719	7	1,172	7	1,626	7		7		7		7		7		7	
1/4	274	1/4	728	1/4	1,182	1/4	1,636	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	284	1/2	737	1/2	1,191	1/2	1,645	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	293	3/4	747	3/4	1,201	3/4	1,655	3/4		3/4		3/4		3/4		3/4		3/4	
8	303	8	756	8	1,210	8	1,664	8		8		8		8		8		8	
1/4	312	1/4	766	1/4	1,220	1/4	1,673	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	321	1/2	775	1/2	1,229	1/2	1,683	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	331	3/4	785	3/4	1,239	3/4	1,692	3/4		3/4		3/4		3/4		3/4		3/4	
9	340	9	794	9	1,248	9	1,702	9		9		9		9		9		9	
1/4	350	1/4	804	1/4	1,257	1/4	1,711	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	359	1/2	813	1/2	1,267	1/2	1,721	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	369	3/4	823	3/4	1,276	3/4	1,730	3/4		3/4		3/4		3/4		3/4		3/4	
10	378	10	832	10	1,286	10	1,740	10		10		10		10		10		10	
1/4	388	1/4	841	1/4	1,295	1/4	1,749	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	397	1/2	851	1/2	1,305	1/2	1,759	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	407	3/4	860	3/4	1,314	3/4	1,768	3/4		3/4		3/4		3/4		3/4		3/4	
11	416	11	870	11	1,324	11	1,777	11		11		11		11		11		11	
1/4	425	1/4	879	1/4	1,333	1/4	1,787	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	435	1/2	889	1/2	1,343	1/2	1,796	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	444	3/4	898	3/4	1,352	3/4	1,806	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.

STRAPPED: 03/20/2024 JS  
CALCULATED: 03/20/2024 CL  
PRINTED: 03/20/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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