



BARGE "HTCO 3106"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-09"

November 6, 2023

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

<http://www.pmacorp.net>



BARGE "HTCO 3106"

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	2,547.57	0	2,189.28	0	1,830.98	0	1,472.68	0	1,114.43	0	758.28	0	404.62	0	89.51	0		0	
1/4	2,540.11	1/4	2,181.81	1/4	1,823.52	1/4	1,465.22	1/4	1,106.98	1/4	750.84	1/4	397.56	1/4	83.40	1/4		1/4	
1/2	2,532.64	1/2	2,174.35	1/2	1,816.05	1/2	1,457.76	1/2	1,099.55	1/2	743.38	1/2	390.59	1/2	77.37	1/2		1/2	
3/4	2,525.18	3/4	2,166.88	3/4	1,808.59	3/4	1,450.29	3/4	1,092.11	3/4	735.91	3/4	383.61	3/4	71.34	3/4		3/4	
1	2,517.71	1	2,159.42	1	1,801.12	1	1,442.83	1	1,084.68	1	728.45	1	376.64	1	65.31	1		1	
1/4	2,510.25	1/4	2,151.95	1/4	1,793.66	1/4	1,435.36	1/4	1,077.24	1/4	720.98	1/4	369.66	1/4	59.28	1/4		1/4	
1/2	2,502.79	1/2	2,144.49	1/2	1,786.19	1/2	1,427.90	1/2	1,069.81	1/2	713.52	1/2	362.76	1/2	53.80	1/2		1/2	
3/4	2,495.32	3/4	2,137.02	3/4	1,778.73	3/4	1,420.43	3/4	1,062.39	3/4	706.06	3/4	355.86	3/4	48.31	3/4		3/4	
2	2,487.86	2	2,129.56	2	1,771.26	2	1,412.97	2	1,054.96	2	698.59	2	348.96	2	42.83	2		2	
1/4	2,480.39	1/4	2,122.10	1/4	1,763.80	1/4	1,405.50	1/4	1,047.53	1/4	691.13	1/4	342.06	1/4	37.35	1/4		1/4	
1/2	2,472.93	1/2	2,114.63	1/2	1,756.34	1/2	1,398.04	1/2	1,040.11	1/2	683.66	1/2	335.24	1/2	33.35	1/2		1/2	
3/4	2,465.46	3/4	2,107.17	3/4	1,748.87	3/4	1,390.57	3/4	1,032.69	3/4	676.20	3/4	328.41	3/4	29.35	3/4		3/4	
3	2,458.00	3	2,099.70	3	1,741.41	3	1,383.11	3	1,025.27	3	668.73	3	321.59	3	25.35	3		3	
1/4	2,450.53	1/4	2,092.24	1/4	1,733.94	1/4	1,375.65	1/4	1,017.85	1/4	661.27	1/4	314.76	1/4	21.35	1/4		1/4	
1/2	2,443.07	1/2	2,084.77	1/2	1,726.48	1/2	1,368.18	1/2	1,010.43	1/2	653.81	1/2	308.01	1/2	18.44	1/2		1/2	
3/4	2,435.60	3/4	2,077.31	3/4	1,719.01	3/4	1,360.72	3/4	1,003.01	3/4	646.34	3/4	301.27	3/4		3/4		3/4	
4	2,428.14	4	2,069.84	4	1,711.55	4	1,353.25	4	995.60	4	638.88	4	294.52	4		4		4	
1/4	2,420.68	1/4	2,062.38	1/4	1,704.08	1/4	1,345.79	1/4	988.18	1/4	631.41	1/4	287.78	1/4		1/4		1/4	
1/2	2,413.21	1/2	2,054.92	1/2	1,696.62	1/2	1,338.32	1/2	980.77	1/2	623.95	1/2	281.11	1/2		1/2		1/2	
3/4	2,405.75	3/4	2,047.45	3/4	1,689.15	3/4	1,330.86	3/4	973.35	3/4	616.48	3/4	274.45	3/4		3/4		3/4	
5	2,398.28	5	2,039.99	5	1,681.69	5	1,323.39	5	965.94	5	609.02	5	267.78	5		5		5	
1/4	2,390.82	1/4	2,032.52	1/4	1,674.23	1/4	1,315.93	1/4	958.52	1/4	601.56	1/4	261.12	1/4		1/4		1/4	
1/2	2,383.35	1/2	2,025.06	1/2	1,666.76	1/2	1,308.47	1/2	951.11	1/2	594.09	1/2	254.53	1/2		1/2		1/2	
3/4	2,375.89	3/4	2,017.59	3/4	1,659.30	3/4	1,301.00	3/4	943.70	3/4	586.63	3/4	247.95	3/4		3/4		3/4	
6	2,368.42	6	2,010.13	6	1,651.83	6	1,293.54	6	936.28	6	579.16	6	241.36	6		6		6	
1/4	2,360.96	1/4	2,002.66	1/4	1,644.37	1/4	1,286.07	1/4	928.87	1/4	571.70	1/4	234.78	1/4		1/4		1/4	
1/2	2,353.50	1/2	1,995.20	1/2	1,636.90	1/2	1,278.61	1/2	921.46	1/2	564.26	1/2	228.28	1/2		1/2		1/2	
3/4	2,346.03	3/4	1,987.73	3/4	1,629.44	3/4	1,271.14	3/4	914.04	3/4	556.81	3/4	221.77	3/4		3/4		3/4	
7	2,338.57	7	1,980.27	7	1,621.97	7	1,263.68	7	906.63	7	549.37	7	215.27	7		7		7	
1/4	2,331.10	1/4	1,972.81	1/4	1,614.51	1/4	1,256.21	1/4	899.22	1/4	541.93	1/4	208.77	1/4		1/4		1/4	
1/2	2,323.64	1/2	1,965.34	1/2	1,607.05	1/2	1,248.75	1/2	891.80	1/2	534.55	1/2	202.35	1/2		1/2		1/2	
3/4	2,316.17	3/4	1,957.88	3/4	1,599.58	3/4	1,241.28	3/4	884.39	3/4	527.17	3/4	195.93	3/4		3/4		3/4	
8	2,308.71	8	1,950.41	8	1,592.12	8	1,233.82	8	876.97	8	519.79	8	189.51	8		8		8	
1/4	2,301.24	1/4	1,942.95	1/4	1,584.65	1/4	1,226.36	1/4	869.56	1/4	512.41	1/4	183.09	1/4		1/4		1/4	
1/2	2,293.78	1/2	1,935.48	1/2	1,577.19	1/2	1,218.89	1/2	862.15	1/2	505.11	1/2	176.74	1/2		1/2		1/2	
3/4	2,286.31	3/4	1,928.02	3/4	1,569.72	3/4	1,211.43	3/4	854.73	3/4	497.81	3/4	170.40	3/4		3/4		3/4	
9	2,278.85	9	1,920.55	9	1,562.26	9	1,203.96	9	847.32	9	490.51	9	164.05	9		9		9	
1/4	2,271.39	1/4	1,913.09	1/4	1,554.79	1/4	1,196.50	1/4	839.91	1/4	483.21	1/4	157.70	1/4		1/4		1/4	
1/2	2,263.92	1/2	1,905.63	1/2	1,547.33	1/2	1,189.03	1/2	832.49	1/2	475.99	1/2	151.43	1/2		1/2		1/2	
3/4	2,256.46	3/4	1,898.16	3/4	1,539.86	3/4	1,181.57	3/4	825.08	3/4	468.77	3/4	145.16	3/4		3/4		3/4	
10	2,248.99	10	1,890.70	10	1,532.40	10	1,174.10	10	817.67	10	461.55	10	138.89	10		10		10	
1/4	2,241.53	1/4	1,883.23	1/4	1,524.94	1/4	1,166.64	1/4	810.25	1/4	454.34	1/4	132.61	1/4		1/4		1/4	
1/2	2,234.06	1/2	1,875.77	1/2	1,517.47	1/2	1,159.18	1/2	802.84	1/2	447.20	1/2	126.42	1/2		1/2		1/2	
3/4	2,226.60	3/4	1,868.30	3/4	1,510.01	3/4	1,151.71	3/4	795.43	3/4	440.06	3/4	120.23	3/4		3/4		3/4	
11	2,219.13	11	1,860.84	11	1,502.54	11	1,144.25	11	788.01	11	432.92	11	114.04	11		11		11	
1/4	2,211.67	1/4	1,853.37	1/4	1,495.08	1/4	1,136.78	1/4	780.60	1/4	425.78	1/4	107.85	1/4		1/4		1/4	
1/2	2,204.21	1/2	1,845.91	1/2	1,487.61	1/2	1,129.33	1/2	773.16	1/2	418.73	1/2	101.73	1/2		1/2		1/2	
3/4	2,196.74	3/4	1,838.44	3/4	1,480.15	3/4	1,121.88	3/4	765.72	3/4	411.67	3/4	95.62	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2013 CL
RECALCULATED: 11/15/2018 CL
VERIFIED: 11/06/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HTCO 3106"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2013 CL
RECALCULATED: 11/15/2018 CL
VERIFIED: 11/06/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

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



BARGE "HTCO 3106"

2 PORT 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	4,759.67	0	4,401.83	0	4,042.74	0	3,683.61	0	3,324.48	0	2,965.36
1/4		1/4		1/4		1/4		1/4	4,752.25	1/4	4,394.35	1/4	4,035.26	1/4	3,676.13	1/4	3,317.00	1/4	2,957.88
1/2		1/2		1/2		1/2		1/2	4,744.83	1/2	4,386.88	1/2	4,027.77	1/2	3,668.65	1/2	3,309.52	1/2	2,950.39
3/4		3/4		3/4		3/4		3/4	5,081.94	3/4	4,737.41	3/4	4,379.41	3/4	4,020.29	3/4	3,661.17	3/4	3,302.04
1		1		1		1		1	5,077.19	1	4,729.99	1	4,371.94	1	4,012.81	1	3,653.68	1	3,294.56
1/4		1/4		1/4		1/4		1/4	5,071.37	1/4	4,722.55	1/4	4,364.45	1/4	4,005.33	1/4	3,646.20	1/4	3,287.08
1/2		1/2		1/2		1/2		1/2	5,065.55	1/2	4,715.11	1/2	4,356.97	1/2	3,997.85	1/2	3,638.72	1/2	3,279.59
3/4		3/4		3/4		3/4		3/4	5,059.73	3/4	4,707.67	3/4	4,349.49	3/4	3,990.36	3/4	3,631.24	3/4	3,272.11
2		2		2		2		2	5,053.91	2	4,700.23	2	4,342.01	2	3,982.88	2	3,623.76	2	3,264.63
1/4		1/4		1/4		1/4		1/4	5,047.09	1/4	4,692.77	1/4	4,334.53	1/4	3,975.40	1/4	3,616.27	1/4	3,257.15
1/2		1/2		1/2		1/2		1/2	5,040.26	1/2	4,685.31	1/2	4,327.05	1/2	3,967.92	1/2	3,608.79	1/2	3,249.67
3/4		3/4		3/4		3/4		3/4	5,033.44	3/4	4,677.85	3/4	4,319.56	3/4	3,960.44	3/4	3,601.31	3/4	3,242.18
3		3		3		3		3	5,026.62	3	4,670.39	3	4,312.08	3	3,952.96	3	3,593.83	3	3,234.70
1/4		1/4		1/4		1/4		1/4	5,019.26	1/4	4,662.93	1/4	4,304.60	1/4	3,945.47	1/4	3,586.35	1/4	3,227.22
1/2		1/2		1/2		1/2		1/2	5,011.90	1/2	4,655.47	1/2	4,297.12	1/2	3,937.99	1/2	3,578.87	1/2	3,219.74
3/4		3/4		3/4		3/4		3/4	5,004.54	3/4	4,648.01	3/4	4,289.64	3/4	3,930.51	3/4	3,571.38	3/4	3,212.26
4		4		4		4		4	4,997.18	4	4,640.55	4	4,282.15	4	3,923.03	4	3,563.90	4	3,204.78
1/4		1/4		1/4		1/4		1/4	4,989.76	1/4	4,633.09	1/4	4,274.67	1/4	3,915.55	1/4	3,556.42	1/4	3,197.29
1/2		1/2		1/2		1/2		1/2	4,982.33	1/2	4,625.63	1/2	4,267.19	1/2	3,908.06	1/2	3,548.94	1/2	3,189.81
3/4		3/4		3/4		3/4		3/4	4,974.91	3/4	4,618.17	3/4	4,259.71	3/4	3,900.58	3/4	3,541.46	3/4	3,182.33
5		5		5		5		5	4,967.49	5	4,610.71	5	4,252.23	5	3,893.10	5	3,533.97	5	3,174.85
1/4		1/4		1/4		1/4		1/4	4,960.06	1/4	4,603.25	1/4	4,244.75	1/4	3,885.62	1/4	3,526.49	1/4	3,167.37
1/2		1/2		1/2		1/2		1/2	4,952.64	1/2	4,595.79	1/2	4,237.26	1/2	3,878.14	1/2	3,519.01	1/2	3,159.88
3/4		3/4		3/4		3/4		3/4	4,945.21	3/4	4,588.33	3/4	4,229.78	3/4	3,870.66	3/4	3,511.53	3/4	3,152.40
6		6		6		6		6	4,937.79	6	4,580.87	6	4,222.30	6	3,863.17	6	3,504.05	6	3,144.92
1/4		1/4		1/4		1/4		1/4	4,930.36	1/4	4,573.41	1/4	4,214.82	1/4	3,855.69	1/4	3,496.57	1/4	3,137.44
1/2		1/2		1/2		1/2		1/2	4,922.94	1/2	4,565.95	1/2	4,207.34	1/2	3,848.21	1/2	3,489.08	1/2	3,129.96
3/4		3/4		3/4		3/4		3/4	4,915.51	3/4	4,558.49	3/4	4,199.85	3/4	3,840.73	3/4	3,481.60	3/4	3,122.48
7		7		7		7		7	4,908.09	7	4,551.03	7	4,192.37	7	3,833.25	7	3,474.12	7	3,114.99
1/4		1/4		1/4		1/4		1/4	4,900.67	1/4	4,543.57	1/4	4,184.89	1/4	3,825.76	1/4	3,466.64	1/4	3,107.51
1/2		1/2		1/2		1/2		1/2	4,893.25	1/2	4,536.11	1/2	4,177.41	1/2	3,818.28	1/2	3,459.16	1/2	3,100.03
3/4		3/4		3/4		3/4		3/4	4,885.82	3/4	4,528.65	3/4	4,169.93	3/4	3,810.80	3/4	3,451.67	3/4	3,092.55
8		8		8		8		8	4,878.40	8	4,521.19	8	4,162.45	8	3,803.32	8	3,444.19	8	3,085.07
1/4		1/4		1/4		1/4		1/4	4,870.98	1/4	4,513.73	1/4	4,154.96	1/4	3,795.84	1/4	3,436.71	1/4	3,077.58
1/2		1/2		1/2		1/2		1/2	4,863.56	1/2	4,506.27	1/2	4,147.48	1/2	3,788.36	1/2	3,429.23	1/2	3,070.10
3/4		3/4		3/4		3/4		3/4	4,856.14	3/4	4,498.81	3/4	4,140.00	3/4	3,780.87	3/4	3,421.75	3/4	3,062.62
9		9		9		9		9	4,848.72	9	4,491.35	9	4,132.52	9	3,773.39	9	3,414.27	9	3,055.14
1/4		1/4		1/4		1/4		1/4	4,841.30	1/4	4,483.89	1/4	4,125.04	1/4	3,765.91	1/4	3,406.78	1/4	3,047.66
1/2		1/2		1/2		1/2		1/2	4,833.88	1/2	4,476.43	1/2	4,117.55	1/2	3,758.43	1/2	3,399.30	1/2	3,040.18
3/4		3/4		3/4		3/4		3/4	4,826.46	3/4	4,468.97	3/4	4,110.07	3/4	3,750.95	3/4	3,391.82	3/4	3,032.69
10		10		10		10		10	4,819.04	10	4,461.51	10	4,102.59	10	3,743.46	10	3,384.34	10	3,025.21
1/4		1/4		1/4		1/4		1/4	4,811.62	1/4	4,454.05	1/4	4,095.11	1/4	3,735.98	1/4	3,376.86	1/4	3,017.73
1/2		1/2		1/2		1/2		1/2	4,804.20	1/2	4,446.59	1/2	4,087.63	1/2	3,728.50	1/2	3,369.37	1/2	3,010.25
3/4		3/4		3/4		3/4		3/4	4,796.78	3/4	4,439.13	3/4	4,080.15	3/4	3,721.02	3/4	3,361.89	3/4	3,002.77
11		11		11		11		11	4,789.36	11	4,431.67	11	4,072.66	11	3,713.54	11	3,354.41	11	2,995.28
1/4		1/4		1/4		1/4		1/4	4,781.94	1/4	4,424.21	1/4	4,065.18	1/4	3,706.06	1/4	3,346.93	1/4	2,987.80
1/2		1/2		1/2		1/2		1/2	4,774.52	1/2	4,416.75	1/2	4,057.70	1/2	3,698.57	1/2	3,339.45	1/2	2,980.32
3/4		3/4		3/4		3/4		3/4	4,767.09	3/4	4,409.29	3/4	4,050.22	3/4	3,691.09	3/4	3,331.97	3/4	2,972.84

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 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3106"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,606.04	0	2,246.71	0	1,887.39	0	1,528.07	0	1,169.31	0	823.79	0	464.48	0	105.16	0		0	
1/4	2,598.55	1/4	2,239.23	1/4	1,879.91	1/4	1,520.58	1/4	1,162.11	1/4	816.31	1/4	456.99	1/4	97.68	1/4		1/4	
1/2	2,591.07	1/2	2,231.74	1/2	1,872.42	1/2	1,513.10	1/2	1,154.90	1/2	808.82	1/2	449.51	1/2	90.19	1/2		1/2	
3/4	2,583.58	3/4	2,224.26	3/4	1,864.93	3/4	1,505.61	3/4	1,147.70	3/4	801.33	3/4	442.02	3/4	82.71	3/4		3/4	
1	2,576.09	1	2,216.77	1	1,857.45	1	1,498.12	1	1,140.50	1	793.85	1	434.53	1	75.22	1		1	
1/4	2,568.61	1/4	2,209.29	1/4	1,849.96	1/4	1,490.64	1/4	1,133.30	1/4	786.36	1/4	427.05	1/4	68.20	1/4		1/4	
1/2	2,561.12	1/2	2,201.80	1/2	1,842.48	1/2	1,483.15	1/2	1,126.11	1/2	778.88	1/2	419.56	1/2	61.19	1/2		1/2	
3/4	2,553.64	3/4	2,194.31	3/4	1,834.99	3/4	1,475.67	3/4	1,118.91	3/4	771.39	3/4	412.08	3/4	54.17	3/4		3/4	
2	2,546.15	2	2,186.83	2	1,827.50	2	1,468.18	2	1,111.71	2	763.91	2	404.59	2	47.15	2		2	
1/4	2,538.67	1/4	2,179.34	1/4	1,820.02	1/4	1,460.70	1/4	1,104.52	1/4	756.42	1/4	397.11	1/4	41.54	1/4		1/4	
1/2	2,531.18	1/2	2,171.86	1/2	1,812.53	1/2	1,453.21	1/2	1,097.33	1/2	748.93	1/2	389.62	1/2	35.92	1/2		1/2	
3/4	2,523.69	3/4	2,164.37	3/4	1,805.05	3/4	1,445.72	3/4	1,090.14	3/4	741.45	3/4	382.14	3/4	30.31	3/4		3/4	
3	2,516.21	3	2,156.88	3	1,797.56	3	1,438.24	3	1,082.96	3	733.96	3	374.65	3	24.69	3		3	
1/4	2,508.72	1/4	2,149.40	1/4	1,790.08	1/4	1,430.75	1/4	1,075.77	1/4	726.48	1/4	367.16	1/4	20.95	1/4		1/4	
1/2	2,501.24	1/2	2,141.91	1/2	1,782.59	1/2	1,423.27	1/2	1,068.59	1/2	718.99	1/2	359.68	1/2		1/2		1/2	
3/4	2,493.75	3/4	2,134.43	3/4	1,775.10	3/4	1,415.78	3/4	1,061.40	3/4	711.51	3/4	352.19	3/4		3/4		3/4	
4	2,486.26	4	2,126.94	4	1,767.62	4	1,408.29	4	1,054.21	4	704.02	4	344.71	4	4	4		4	
1/4	2,478.78	1/4	2,119.45	1/4	1,760.13	1/4	1,400.81	1/4	1,047.03	1/4	696.53	1/4	337.22	1/4		1/4		1/4	
1/2	2,471.29	1/2	2,111.97	1/2	1,752.65	1/2	1,393.32	1/2	1,039.85	1/2	689.05	1/2	329.74	1/2		1/2		1/2	
3/4	2,463.81	3/4	2,104.48	3/4	1,745.16	3/4	1,385.84	3/4	1,032.67	3/4	681.56	3/4	322.25	3/4		3/4		3/4	
5	2,456.32	5	2,097.00	5	1,737.67	5	1,378.35	5	1,025.49	5	674.08	5	314.76	5	5	5		5	
1/4	2,448.83	1/4	2,089.51	1/4	1,730.19	1/4	1,370.86	1/4	1,018.30	1/4	666.59	1/4	307.28	1/4		1/4		1/4	
1/2	2,441.35	1/2	2,082.03	1/2	1,722.70	1/2	1,363.38	1/2	1,011.12	1/2	659.11	1/2	299.79	1/2		1/2		1/2	
3/4	2,433.86	3/4	2,074.54	3/4	1,715.22	3/4	1,355.89	3/4	1,003.94	3/4	651.62	3/4	292.31	3/4		3/4		3/4	
6	2,426.38	6	2,067.05	6	1,707.73	6	1,348.41	6	996.76	6	644.13	6	284.82	6	6	6		6	
1/4	2,418.89	1/4	2,059.57	1/4	1,700.24	1/4	1,340.92	1/4	989.58	1/4	636.65	1/4	277.34	1/4		1/4		1/4	
1/2	2,411.40	1/2	2,052.08	1/2	1,692.76	1/2	1,333.44	1/2	982.39	1/2	629.16	1/2	269.85	1/2		1/2		1/2	
3/4	2,403.92	3/4	2,044.60	3/4	1,685.27	3/4	1,325.95	3/4	975.21	3/4	621.68	3/4	262.36	3/4		3/4		3/4	
7	2,396.43	7	2,037.11	7	1,677.79	7	1,318.46	7	968.03	7	614.19	7	254.88	7	7	7		7	
1/4	2,388.95	1/4	2,029.62	1/4	1,670.30	1/4	1,310.98	1/4	960.85	1/4	606.71	1/4	247.39	1/4		1/4		1/4	
1/2	2,381.46	1/2	2,022.14	1/2	1,662.81	1/2	1,303.49	1/2	953.67	1/2	599.22	1/2	239.91	1/2		1/2		1/2	
3/4	2,373.98	3/4	2,014.65	3/4	1,655.33	3/4	1,296.01	3/4	946.48	3/4	591.73	3/4	232.42	3/4		3/4		3/4	
8	2,366.49	8	2,007.17	8	1,647.84	8	1,288.52	8	939.30	8	584.25	8	224.94	8	8	8		8	
1/4	2,359.00	1/4	1,999.68	1/4	1,640.36	1/4	1,281.03	1/4	932.12	1/4	576.76	1/4	217.45	1/4		1/4		1/4	
1/2	2,351.52	1/2	1,992.19	1/2	1,632.87	1/2	1,273.55	1/2	924.94	1/2	569.28	1/2	209.96	1/2		1/2		1/2	
3/4	2,344.03	3/4	1,984.71	3/4	1,625.39	3/4	1,266.06	3/4	917.76	3/4	561.79	3/4	202.48	3/4		3/4		3/4	
9	2,336.55	9	1,977.22	9	1,617.90	9	1,258.58	9	910.57	9	554.31	9	194.99	9	9	9		9	
1/4	2,329.06	1/4	1,969.74	1/4	1,610.41	1/4	1,251.09	1/4	903.39	1/4	546.82	1/4	187.51	1/4		1/4		1/4	
1/2	2,321.57	1/2	1,962.25	1/2	1,602.93	1/2	1,243.60	1/2	896.21	1/2	539.33	1/2	180.02	1/2		1/2		1/2	
3/4	2,314.09	3/4	1,954.76	3/4	1,595.44	3/4	1,236.12	3/4	889.03	3/4	531.85	3/4	172.54	3/4		3/4		3/4	
10	2,306.60	10	1,947.28	10	1,587.96	10	1,228.63	10	881.85	10	524.36	10	165.05	10	10	10		10	
1/4	2,299.12	1/4	1,939.79	1/4	1,580.47	1/4	1,221.15	1/4	874.66	1/4	516.88	1/4	157.56	1/4		1/4		1/4	
1/2	2,291.63	1/2	1,932.31	1/2	1,572.98	1/2	1,213.66	1/2	867.48	1/2	509.39	1/2	150.08	1/2		1/2		1/2	
3/4	2,284.14	3/4	1,924.82	3/4	1,565.50	3/4	1,206.17	3/4	860.30	3/4	501.91	3/4	142.59	3/4		3/4		3/4	
11	2,276.66	11	1,917.34	11	1,558.01	11	1,198.69	11	853.12	11	494.42	11	135.11	11	11	11		11	
1/4	2,269.17	1/4	1,909.85	1/4	1,550.53	1/4	1,191.34	1/4	845.79	1/4	486.93	1/4	127.62	1/4		1/4		1/4	
1/2	2,261.69	1/2	1,902.36	1/2	1,543.04	1/2	1,184.00	1/2	838.46	1/2	479.45	1/2	120.14	1/2		1/2		1/2	
3/4	2,254.20	3/4	1,894.88	3/4	1,535.55	3/4	1,176.66	3/4	831.12	3/4	471.96	3/4	112.65	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2013 CL
RECALCULATED: 11/15/2018 CL
VERIFIED: 11/06/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3106"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03"

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	4,765.31	0	4,407.47	0	4,048.44	0	3,689.38	0	3,330.31	0	2,971.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,757.89	1/4	4,400.00	1/4	4,040.96	1/4	3,681.90	1/4	3,322.83	1/4	2,963.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,094.93	1/2	4,750.47	1/2	4,392.53	1/2	4,033.48	1/2	3,674.42	1/2	3,315.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,090.18	3/4	4,743.05	3/4	4,385.06	3/4	4,026.00	3/4	3,666.94	3/4	3,307.87
1	1	1	1	1	1	1	1	1	4,735.61	1	4,377.58	1	4,018.52	1	3,659.46	1	3,300.39	1	2,941.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,078.54	1/4	4,728.17	1/4	4,370.10	1/4	4,011.04	1/4	3,651.97	1/4	3,292.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,072.72	1/2	4,720.73	1/2	4,362.62	1/2	4,003.56	1/2	3,644.49	1/2	3,285.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,066.90	3/4	4,713.29	3/4	4,355.14	3/4	3,996.08	3/4	3,637.01	3/4	3,277.95
2	2	2	2	2	2	2	2	2	5,060.08	2	4,705.84	2	4,347.66	2	3,988.60	2	3,629.53	2	3,270.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,053.26	1/4	4,698.38	1/4	4,340.18	1/4	3,981.12	1/4	3,622.05	1/4	3,262.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,046.44	1/2	4,690.92	1/2	4,332.70	1/2	3,973.64	1/2	3,614.57	1/2	3,255.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,039.61	3/4	4,683.46	3/4	4,325.22	3/4	3,966.16	3/4	3,607.09	3/4	3,248.03
3	3	3	3	3	3	3	3	3	5,032.26	3	4,676.00	3	4,317.74	3	3,958.68	3	3,599.61	3	3,240.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,024.90	1/4	4,668.54	1/4	4,310.26	1/4	3,951.19	1/4	3,592.13	1/4	3,233.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,017.54	1/2	4,661.08	1/2	4,302.78	1/2	3,943.71	1/2	3,584.65	1/2	3,225.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,010.19	3/4	4,653.62	3/4	4,295.30	3/4	3,936.23	3/4	3,577.17	3/4	3,218.11
4	4	4	4	4	4	4	4	4	5,002.77	4	4,646.16	4	4,287.82	4	3,928.75	4	3,569.69	4	3,210.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,995.34	1/4	4,638.71	1/4	4,280.34	1/4	3,921.27	1/4	3,562.21	1/4	3,203.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,987.92	1/2	4,631.25	1/2	4,272.86	1/2	3,913.79	1/2	3,554.73	1/2	3,195.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,980.50	3/4	4,623.79	3/4	4,265.38	3/4	3,906.31	3/4	3,547.25	3/4	3,188.18
5	5	5	5	5	5	5	5	5	4,973.07	5	4,616.33	5	4,257.90	5	3,898.83	5	3,539.77	5	3,180.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,965.65	1/4	4,608.87	1/4	4,250.41	1/4	3,891.35	1/4	3,532.29	1/4	3,173.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,958.23	1/2	4,601.41	1/2	4,242.93	1/2	3,883.87	1/2	3,524.81	1/2	3,165.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,950.80	3/4	4,593.95	3/4	4,235.45	3/4	3,876.39	3/4	3,517.33	3/4	3,158.26
6	6	6	6	6	6	6	6	6	4,943.38	6	4,586.49	6	4,227.97	6	3,868.91	6	3,509.85	6	3,150.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,935.96	1/4	4,579.04	1/4	4,220.49	1/4	3,861.43	1/4	3,502.36	1/4	3,143.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,928.54	1/2	4,571.58	1/2	4,213.01	1/2	3,853.95	1/2	3,494.88	1/2	3,135.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,921.11	3/4	4,564.12	3/4	4,205.53	3/4	3,846.47	3/4	3,487.40	3/4	3,128.34
7	7	7	7	7	7	7	7	7	4,913.69	7	4,556.66	7	4,198.05	7	3,838.99	7	3,479.92	7	3,120.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,906.27	1/4	4,549.20	1/4	4,190.57	1/4	3,831.51	1/4	3,472.44	1/4	3,113.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,898.85	1/2	4,541.74	1/2	4,183.09	1/2	3,824.03	1/2	3,464.96	1/2	3,105.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,891.43	3/4	4,534.28	3/4	4,175.61	3/4	3,816.55	3/4	3,457.48	3/4	3,098.42
8	8	8	8	8	8	8	8	8	4,884.01	8	4,526.82	8	4,168.13	8	3,809.07	8	3,450.00	8	3,090.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,876.59	1/4	4,519.37	1/4	4,160.65	1/4	3,801.58	1/4	3,442.52	1/4	3,083.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,869.17	1/2	4,511.91	1/2	4,153.17	1/2	3,794.10	1/2	3,435.04	1/2	3,075.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,861.75	3/4	4,504.45	3/4	4,145.69	3/4	3,786.62	3/4	3,427.56	3/4	3,068.50
9	9	9	9	9	9	9	9	9	4,854.33	9	4,496.99	9	4,138.21	9	3,779.14	9	3,420.08	9	3,061.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,846.91	1/4	4,489.53	1/4	4,130.73	1/4	3,771.66	1/4	3,412.60	1/4	3,053.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,839.50	1/2	4,482.07	1/2	4,123.25	1/2	3,764.18	1/2	3,405.12	1/2	3,046.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,832.08	3/4	4,474.61	3/4	4,115.77	3/4	3,756.70	3/4	3,397.64	3/4	3,038.57
10	10	10	10	10	10	10	10	10	4,824.66	10	4,467.15	10	4,108.29	10	3,749.22	10	3,390.16	10	3,031.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,817.24	1/4	4,459.69	1/4	4,100.80	1/4	3,741.74	1/4	3,382.68	1/4	3,023.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,809.82	1/2	4,452.24	1/2	4,093.32	1/2	3,734.26	1/2	3,375.20	1/2	3,016.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,802.40	3/4	4,444.78	3/4	4,085.84	3/4	3,726.78	3/4	3,367.72	3/4	3,008.65
11	11	11	11	11	11	11	11	11	4,794.98	11	4,437.32	11	4,078.36	11	3,719.30	11	3,360.24	11	3,001.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,787.56	1/4	4,429.86	1/4	4,070.88	1/4	3,711.82	1/4	3,352.75	1/4	2,993.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,780.14	1/2	4,422.40	1/2	4,063.40	1/2	3,704.34	1/2	3,345.27	1/2	2,986.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,772.72	3/4	4,414.94	3/4	4,055.92	3/4	3,696.86	3/4	3,337.79	3/4	2,978.72

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 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3106"

2 STBD
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 17'-03"

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	2,611.97	0	2,252.72	0	1,893.46	0	1,534.21	0	1,174.95	0	816.15	0	456.91	0	97.66	0		0	
1/4	2,604.49	1/4	2,245.23	1/4	1,885.98	1/4	1,526.72	1/4	1,167.47	1/4	808.67	1/4	449.42	1/4	90.18	1/4		1/4	
1/2	2,597.01	1/2	2,237.75	1/2	1,878.49	1/2	1,519.24	1/2	1,159.98	1/2	801.19	1/2	441.94	1/2	82.69	1/2		1/2	
3/4	2,589.52	3/4	2,230.27	3/4	1,871.01	3/4	1,511.75	3/4	1,152.50	3/4	793.70	3/4	434.46	3/4	75.21	3/4		3/4	
1	2,582.04	1	2,222.78	1	1,863.52	1	1,504.27	1	1,145.02	1	786.22	1	426.97	1	68.19	1		1	
1/4	2,574.55	1/4	2,215.30	1/4	1,856.04	1/4	1,496.78	1/4	1,137.53	1/4	778.73	1/4	419.49	1/4	61.18	1/4		1/4	
1/2	2,567.07	1/2	2,207.81	1/2	1,848.56	1/2	1,489.30	1/2	1,130.05	1/2	771.25	1/2	412.00	1/2	54.16	1/2		1/2	
3/4	2,559.58	3/4	2,200.33	3/4	1,841.07	3/4	1,481.82	3/4	1,122.57	3/4	763.76	3/4	404.52	3/4	47.14	3/4		3/4	
2	2,552.10	2	2,192.84	2	1,833.59	2	1,474.33	2	1,115.09	2	756.28	2	397.03	2	41.53	2		2	
1/4	2,544.61	1/4	2,185.36	1/4	1,826.10	1/4	1,466.85	1/4	1,107.61	1/4	748.80	1/4	389.55	1/4	35.92	1/4		1/4	
1/2	2,537.13	1/2	2,177.87	1/2	1,818.62	1/2	1,459.36	1/2	1,100.13	1/2	741.31	1/2	382.06	1/2	30.30	1/2		1/2	
3/4	2,529.65	3/4	2,170.39	3/4	1,811.13	3/4	1,451.88	3/4	1,092.66	3/4	733.83	3/4	374.58	3/4	24.69	3/4		3/4	
3	2,522.16	3	2,162.90	3	1,803.65	3	1,444.39	3	1,085.18	3	726.34	3	367.10	3	20.95	3		3	
1/4	2,514.68	1/4	2,155.42	1/4	1,796.16	1/4	1,436.91	1/4	1,077.70	1/4	718.86	1/4	359.61	1/4		1/4		1/4	
1/2	2,507.19	1/2	2,147.94	1/2	1,788.68	1/2	1,429.42	1/2	1,070.23	1/2	711.37	1/2	352.13	1/2		1/2		1/2	
3/4	2,499.71	3/4	2,140.45	3/4	1,781.20	3/4	1,421.94	3/4	1,062.75	3/4	703.89	3/4	344.64	3/4		3/4		3/4	
4	2,492.22	4	2,132.97	4	1,773.71	4	1,414.45	4	1,055.28	4	696.41	4	337.16	4		4		4	
1/4	2,484.74	1/4	2,125.48	1/4	1,766.23	1/4	1,406.97	1/4	1,047.81	1/4	688.92	1/4	329.67	1/4		1/4		1/4	
1/2	2,477.25	1/2	2,118.00	1/2	1,758.74	1/2	1,399.49	1/2	1,040.34	1/2	681.44	1/2	322.19	1/2		1/2		1/2	
3/4	2,469.77	3/4	2,110.51	3/4	1,751.26	3/4	1,392.00	3/4	1,032.87	3/4	673.95	3/4	314.71	3/4		3/4		3/4	
5	2,462.28	5	2,103.03	5	1,743.77	5	1,384.52	5	1,025.39	5	666.47	5	307.22	5		5		5	
1/4	2,454.80	1/4	2,095.54	1/4	1,736.29	1/4	1,377.03	1/4	1,017.92	1/4	658.98	1/4	299.74	1/4		1/4		1/4	
1/2	2,447.32	1/2	2,088.06	1/2	1,728.80	1/2	1,369.55	1/2	1,010.45	1/2	651.50	1/2	292.25	1/2		1/2		1/2	
3/4	2,439.83	3/4	2,080.58	3/4	1,721.32	3/4	1,362.06	3/4	1,002.98	3/4	644.02	3/4	284.77	3/4		3/4		3/4	
6	2,432.35	6	2,073.09	6	1,713.83	6	1,354.58	6	995.51	6	636.53	6	277.28	6		6		6	
1/4	2,424.86	1/4	2,065.61	1/4	1,706.35	1/4	1,347.09	1/4	988.04	1/4	629.05	1/4	269.80	1/4		1/4		1/4	
1/2	2,417.38	1/2	2,058.12	1/2	1,698.87	1/2	1,339.61	1/2	980.57	1/2	621.56	1/2	262.32	1/2		1/2		1/2	
3/4	2,409.89	3/4	2,050.64	3/4	1,691.38	3/4	1,332.13	3/4	973.09	3/4	614.08	3/4	254.83	3/4		3/4		3/4	
7	2,402.41	7	2,043.15	7	1,683.90	7	1,324.64	7	965.62	7	606.59	7	247.35	7		7		7	
1/4	2,394.92	1/4	2,035.67	1/4	1,676.41	1/4	1,317.16	1/4	958.15	1/4	599.11	1/4	239.86	1/4		1/4		1/4	
1/2	2,387.44	1/2	2,028.18	1/2	1,668.93	1/2	1,309.67	1/2	950.68	1/2	591.63	1/2	232.38	1/2		1/2		1/2	
3/4	2,379.96	3/4	2,020.70	3/4	1,661.44	3/4	1,302.19	3/4	943.21	3/4	584.14	3/4	224.89	3/4		3/4		3/4	
8	2,372.47	8	2,013.21	8	1,653.96	8	1,294.70	8	935.74	8	576.66	8	217.41	8		8		8	
1/4	2,364.99	1/4	2,005.73	1/4	1,646.47	1/4	1,287.22	1/4	928.27	1/4	569.17	1/4	209.93	1/4		1/4		1/4	
1/2	2,357.50	1/2	1,998.25	1/2	1,638.99	1/2	1,279.73	1/2	920.79	1/2	561.69	1/2	202.44	1/2		1/2		1/2	
3/4	2,350.02	3/4	1,990.76	3/4	1,631.51	3/4	1,272.25	3/4	913.32	3/4	554.20	3/4	194.96	3/4		3/4		3/4	
9	2,342.53	9	1,983.28	9	1,624.02	9	1,264.76	9	905.85	9	546.72	9	187.47	9		9		9	
1/4	2,335.05	1/4	1,975.79	1/4	1,616.54	1/4	1,257.28	1/4	898.38	1/4	539.24	1/4	179.99	1/4		1/4		1/4	
1/2	2,327.56	1/2	1,968.31	1/2	1,609.05	1/2	1,249.80	1/2	890.91	1/2	531.75	1/2	172.50	1/2		1/2		1/2	
3/4	2,320.08	3/4	1,960.82	3/4	1,601.57	3/4	1,242.31	3/4	883.44	3/4	524.27	3/4	165.02	3/4		3/4		3/4	
10	2,312.59	10	1,953.34	10	1,594.08	10	1,234.83	10	875.96	10	516.78	10	157.54	10		10		10	
1/4	2,305.11	1/4	1,945.85	1/4	1,586.60	1/4	1,227.34	1/4	868.49	1/4	509.30	1/4	150.05	1/4		1/4		1/4	
1/2	2,297.63	1/2	1,938.37	1/2	1,579.11	1/2	1,219.86	1/2	861.02	1/2	501.81	1/2	142.57	1/2		1/2		1/2	
3/4	2,290.14	3/4	1,930.89	3/4	1,571.63	3/4	1,212.37	3/4	853.55	3/4	494.33	3/4	135.08	3/4		3/4		3/4	
11	2,282.66	11	1,923.40	11	1,564.14	11	1,204.89	11	846.07	11	486.85	11	127.60	11		11		11	
1/4	2,275.17	1/4	1,915.92	1/4	1,556.66	1/4	1,197.40	1/4	838.59	1/4	479.36	1/4	120.11	1/4		1/4		1/4	
1/2	2,267.69	1/2	1,908.43	1/2	1,549.18	1/2	1,189.92	1/2	831.12	1/2	471.88	1/2	112.63	1/2		1/2		1/2	
3/4	2,260.20	3/4	1,900.95	3/4	1,541.69	3/4	1,182.44	3/4	823.64	3/4	464.39	3/4	105.15	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2013 CL
 RECALCULATED: 11/15/2018 CL
 VERIFIED: 11/06/2023

CANCELS AND SUPERCEDES
 ALL PRIOR TO 11/2023

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



BARGE "HTCO 3106"

3 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03"

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	4,367.43	0	4,120.98	0	3,873.73	0	3,626.45	0	3,295.49	0	2,938.98
1/4		1/4		1/4		1/4		1/4	4,362.32	1/4	4,115.83	1/4	3,868.57	1/4	3,621.30	1/4	3,288.09	1/4	2,931.55
1/2		1/2		1/2		1/2		1/2	4,590.83	1/2	4,357.21	1/2	4,110.69	1/2	3,863.42	1/2	3,616.15	1/2	3,280.68
3/4		3/4		3/4		3/4		3/4	4,588.38	3/4	4,352.10	3/4	4,105.54	3/4	3,858.27	3/4	3,611.00	3/4	3,273.27
1		1		1		1		1	4,584.86	1	4,346.97	1	4,100.39	1	3,853.12	1	3,605.85	1	3,269.26
1/4		1/4		1/4		1/4		1/4	4,581.35	1/4	4,341.85	1/4	4,095.24	1/4	3,847.97	1/4	3,600.70	1/4	3,258.43
1/2		1/2		1/2		1/2		1/2	4,577.83	1/2	4,336.73	1/2	4,090.09	1/2	3,842.82	1/2	3,595.54	1/2	3,251.01
3/4		3/4		3/4		3/4		3/4	4,574.32	3/4	4,331.60	3/4	4,084.94	3/4	3,837.66	3/4	3,590.39	3/4	3,243.59
2		2		2		2		2	4,569.81	2	4,326.47	2	4,079.79	2	3,832.51	2	3,584.67	2	3,236.16
1/4		1/4		1/4		1/4		1/4	4,565.29	1/4	4,321.33	1/4	4,074.63	1/4	3,827.36	1/4	3,578.94	1/4	3,228.73
1/2		1/2		1/2		1/2		1/2	4,560.78	1/2	4,316.19	1/2	4,069.48	1/2	3,822.21	1/2	3,573.21	1/2	3,221.30
3/4		3/4		3/4		3/4		3/4	4,556.27	3/4	4,311.06	3/4	4,064.33	3/4	3,817.06	3/4	3,567.49	3/4	3,213.88
3		3		3		3		3	4,551.22	3	4,305.92	3	4,059.18	3	3,811.91	3	3,560.63	3	3,206.45
1/4		1/4		1/4		1/4		1/4	4,546.18	1/4	4,300.78	1/4	4,054.03	1/4	3,806.76	1/4	3,553.77	1/4	3,199.02
1/2		1/2		1/2		1/2		1/2	4,541.13	1/2	4,295.64	1/2	4,048.88	1/2	3,801.60	1/2	3,546.91	1/2	3,191.59
3/4		3/4		3/4		3/4		3/4	4,536.08	3/4	4,290.51	3/4	4,043.72	3/4	3,796.45	3/4	3,540.05	3/4	3,184.16
4		4		4		4		4	4,530.97	4	4,285.37	4	4,038.57	4	3,791.30	4	3,532.63	4	3,176.73
1/4		1/4		1/4		1/4		1/4	4,525.86	1/4	4,280.23	1/4	4,033.42	1/4	3,786.15	1/4	3,525.21	1/4	3,169.30
1/2		1/2		1/2		1/2		1/2	4,520.75	1/2	4,275.10	1/2	4,028.27	1/2	3,781.00	1/2	3,517.79	1/2	3,161.87
3/4		3/4		3/4		3/4		3/4	4,515.63	3/4	4,269.96	3/4	4,023.12	3/4	3,775.85	3/4	3,510.37	3/4	3,154.44
5		5		5		5		5	4,510.52	5	4,264.82	5	4,017.97	5	3,770.70	5	3,502.95	5	3,147.01
1/4		1/4		1/4		1/4		1/4	4,505.41	1/4	4,259.69	1/4	4,012.82	1/4	3,765.54	1/4	3,495.54	1/4	3,139.58
1/2		1/2		1/2		1/2		1/2	4,500.30	1/2	4,254.55	1/2	4,007.66	1/2	3,760.39	1/2	3,488.12	1/2	3,132.15
3/4		3/4		3/4		3/4		3/4	4,495.18	3/4	4,249.41	3/4	4,002.51	3/4	3,755.24	3/4	3,480.71	3/4	3,124.72
6		6		6		6		6	4,490.07	6	4,244.27	6	3,997.36	6	3,750.09	6	3,473.30	6	3,117.29
1/4		1/4		1/4		1/4		1/4	4,484.96	1/4	4,239.14	1/4	3,992.21	1/4	3,744.94	1/4	3,465.89	1/4	3,109.86
1/2		1/2		1/2		1/2		1/2	4,479.85	1/2	4,234.00	1/2	3,987.06	1/2	3,739.79	1/2	3,458.48	1/2	3,102.44
3/4		3/4		3/4		3/4		3/4	4,474.74	3/4	4,228.86	3/4	3,981.91	3/4	3,734.63	3/4	3,451.07	3/4	3,095.01
7		7		7		7		7	4,469.62	7	4,223.73	7	3,976.76	7	3,729.48	7	3,443.67	7	3,087.58
1/4		1/4		1/4		1/4		1/4	4,464.51	1/4	4,218.59	1/4	3,971.60	1/4	3,724.33	1/4	3,436.26	1/4	3,080.15
1/2		1/2		1/2		1/2		1/2	4,459.40	1/2	4,213.45	1/2	3,966.45	1/2	3,719.18	1/2	3,428.85	1/2	3,072.72
3/4		3/4		3/4		3/4		3/4	4,454.29	3/4	4,208.32	3/4	3,961.30	3/4	3,714.03	3/4	3,421.44	3/4	3,065.29
8		8		8		8		8	4,449.18	8	4,203.18	8	3,956.15	8	3,708.88	8	3,414.03	8	3,057.86
1/4		1/4		1/4		1/4		1/4	4,444.07	1/4	4,198.04	1/4	3,951.00	1/4	3,703.73	1/4	3,406.62	1/4	3,050.43
1/2		1/2		1/2		1/2		1/2	4,438.96	1/2	4,192.90	1/2	3,945.85	1/2	3,698.57	1/2	3,399.21	1/2	3,043.00
3/4		3/4		3/4		3/4		3/4	4,433.85	3/4	4,187.77	3/4	3,940.69	3/4	3,693.42	3/4	3,391.81	3/4	3,035.57
9		9		9		9		9	4,428.74	9	4,182.63	9	3,935.54	9	3,688.27	9	3,384.40	9	3,028.14
1/4		1/4		1/4		1/4		1/4	4,423.63	1/4	4,177.49	1/4	3,930.39	1/4	3,683.12	1/4	3,376.99	1/4	3,020.71
1/2		1/2		1/2		1/2		1/2	4,418.52	1/2	4,172.36	1/2	3,925.24	1/2	3,677.97	1/2	3,369.58	1/2	3,013.28
3/4		3/4		3/4		3/4		3/4	4,413.41	3/4	4,167.22	3/4	3,920.09	3/4	3,672.82	3/4	3,362.17	3/4	3,005.85
10		10		10		10		10	4,408.31	10	4,162.08	10	3,914.94	10	3,667.67	10	3,354.76	10	2,998.43
1/4		1/4		1/4		1/4		1/4	4,403.20	1/4	4,156.95	1/4	3,909.79	1/4	3,662.51	1/4	3,347.35	1/4	2,991.00
1/2		1/2		1/2		1/2		1/2	4,398.09	1/2	4,151.81	1/2	3,904.63	1/2	3,657.36	1/2	3,339.95	1/2	2,983.57
3/4		3/4		3/4		3/4		3/4	4,392.98	3/4	4,146.67	3/4	3,899.48	3/4	3,652.21	3/4	3,332.54	3/4	2,976.14
11		11		11		11		11	4,387.87	11	4,141.53	11	3,894.33	11	3,647.06	11	3,325.13	11	2,968.71
1/4		1/4		1/4		1/4		1/4	4,382.76	1/4	4,136.40	1/4	3,889.18	1/4	3,641.91	1/4	3,317.72	1/4	2,961.28
1/2		1/2		1/2		1/2		1/2	4,377.65	1/2	4,131.26	1/2	3,884.03	1/2	3,636.76	1/2	3,310.31	1/2	2,953.85
3/4		3/4		3/4		3/4		3/4	4,372.54	3/4	4,126.12	3/4	3,878.88	3/4	3,631.60	3/4	3,302.90	3/4	2,946.42

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 41'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3106"

**3 PORT
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 17'-03"**

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	2,582.23	0	2,226.56	0	1,872.30	0	1,515.21	0	1,158.76	0	811.84	0	454.56	0	97.28	0		0	
1/4	2,574.79	1/4	2,219.18	1/4	1,864.86	1/4	1,507.77	1/4	1,151.53	1/4	804.40	1/4	447.12	1/4	89.82	1/4		1/4	
1/2	2,567.35	1/2	2,211.81	1/2	1,857.42	1/2	1,500.33	1/2	1,144.30	1/2	796.96	1/2	439.68	1/2	82.37	1/2		1/2	
3/4	2,559.91	3/4	2,204.43	3/4	1,849.98	3/4	1,492.90	3/4	1,137.07	3/4	789.51	3/4	432.23	3/4	74.92	3/4		3/4	
1	2,552.47	1	2,197.05	1	1,842.54	1	1,485.46	1	1,129.85	1	782.07	1	424.79	1	67.93	1		1	
1/4	2,545.03	1/4	2,189.68	1/4	1,835.10	1/4	1,478.02	1/4	1,122.62	1/4	774.63	1/4	417.35	1/4	60.94	1/4		1/4	
1/2	2,537.59	1/2	2,182.30	1/2	1,827.66	1/2	1,470.58	1/2	1,115.40	1/2	767.18	1/2	409.91	1/2	53.95	1/2		1/2	
3/4	2,530.15	3/4	2,174.92	3/4	1,820.22	3/4	1,463.14	3/4	1,108.18	3/4	759.74	3/4	402.47	3/4	46.96	3/4		3/4	
2	2,522.71	2	2,167.55	2	1,812.79	2	1,455.70	2	1,100.96	2	752.30	2	395.02	2	41.37	2		2	
1/4	2,515.27	1/4	2,160.17	1/4	1,805.35	1/4	1,448.26	1/4	1,093.75	1/4	744.85	1/4	387.58	1/4	35.78	1/4		1/4	
1/2	2,507.83	1/2	2,152.80	1/2	1,797.91	1/2	1,440.82	1/2	1,086.53	1/2	737.41	1/2	380.14	1/2	30.19	1/2		1/2	
3/4	2,500.39	3/4	2,145.42	3/4	1,790.47	3/4	1,433.38	3/4	1,079.31	3/4	729.97	3/4	372.70	3/4	24.60	3/4		3/4	
3	2,492.97	3	2,138.04	3	1,783.03	3	1,425.94	3	1,072.10	3	722.52	3	365.25	3	20.87	3		3	
1/4	2,485.55	1/4	2,130.67	1/4	1,775.59	1/4	1,418.50	1/4	1,064.89	1/4	715.08	1/4	357.81	1/4		1/4		1/4	
1/2	2,478.13	1/2	2,123.29	1/2	1,768.15	1/2	1,411.06	1/2	1,057.67	1/2	707.64	1/2	350.37	1/2		1/2		1/2	
3/4	2,470.71	3/4	2,115.91	3/4	1,760.71	3/4	1,403.62	3/4	1,050.46	3/4	700.19	3/4	342.93	3/4		3/4		3/4	
4	2,463.31	4	2,108.54	4	1,753.27	4	1,396.18	4	1,043.25	4	692.75	4	335.49	4		4		4	
1/4	2,455.91	1/4	2,101.16	1/4	1,745.83	1/4	1,388.74	1/4	1,036.04	1/4	685.31	1/4	328.04	1/4		1/4		1/4	
1/2	2,448.51	1/2	2,093.78	1/2	1,738.39	1/2	1,381.31	1/2	1,028.83	1/2	677.86	1/2	320.60	1/2		1/2		1/2	
3/4	2,441.11	3/4	2,086.41	3/4	1,730.95	3/4	1,373.87	3/4	1,021.62	3/4	670.42	3/4	313.16	3/4		3/4		3/4	
5	2,433.71	5	2,079.03	5	1,723.51	5	1,366.43	5	1,014.41	5	662.97	5	305.72	5		5		5	
1/4	2,426.31	1/4	2,071.66	1/4	1,716.07	1/4	1,358.99	1/4	1,007.20	1/4	655.53	1/4	298.27	1/4		1/4		1/4	
1/2	2,418.91	1/2	2,064.28	1/2	1,708.63	1/2	1,351.55	1/2	999.99	1/2	648.09	1/2	290.83	1/2		1/2		1/2	
3/4	2,411.51	3/4	2,056.90	3/4	1,701.20	3/4	1,344.11	3/4	992.78	3/4	640.64	3/4	283.39	3/4		3/4		3/4	
6	2,404.11	6	2,049.53	6	1,693.76	6	1,336.67	6	985.57	6	633.20	6	275.95	6		6		6	
1/4	2,396.71	1/4	2,042.15	1/4	1,686.32	1/4	1,329.23	1/4	978.36	1/4	625.76	1/4	268.51	1/4		1/4		1/4	
1/2	2,389.30	1/2	2,034.77	1/2	1,678.88	1/2	1,321.79	1/2	971.15	1/2	618.31	1/2	261.06	1/2		1/2		1/2	
3/4	2,381.90	3/4	2,027.40	3/4	1,671.44	3/4	1,314.35	3/4	963.95	3/4	610.87	3/4	253.62	3/4		3/4		3/4	
7	2,374.50	7	2,020.02	7	1,664.00	7	1,306.91	7	956.74	7	603.43	7	246.18	7		7		7	
1/4	2,367.10	1/4	2,012.64	1/4	1,656.56	1/4	1,299.47	1/4	949.53	1/4	595.98	1/4	238.74	1/4		1/4		1/4	
1/2	2,359.70	1/2	2,005.27	1/2	1,649.12	1/2	1,292.03	1/2	942.32	1/2	588.54	1/2	231.29	1/2		1/2		1/2	
3/4	2,352.30	3/4	1,997.89	3/4	1,641.68	3/4	1,284.59	3/4	935.11	3/4	581.10	3/4	223.85	3/4		3/4		3/4	
8	2,344.90	8	1,990.51	8	1,634.24	8	1,277.16	8	927.90	8	573.65	8	216.41	8		8		8	
1/4	2,337.50	1/4	1,983.14	1/4	1,626.80	1/4	1,269.72	1/4	920.69	1/4	566.21	1/4	208.96	1/4		1/4		1/4	
1/2	2,330.10	1/2	1,975.76	1/2	1,619.36	1/2	1,262.28	1/2	913.48	1/2	558.77	1/2	201.52	1/2		1/2		1/2	
3/4	2,322.70	3/4	1,968.39	3/4	1,611.92	3/4	1,254.84	3/4	906.27	3/4	551.32	3/4	194.08	3/4		3/4		3/4	
9	2,315.30	9	1,961.01	9	1,604.48	9	1,247.40	9	899.06	9	543.88	9	186.63	9		9		9	
1/4	2,307.90	1/4	1,953.63	1/4	1,597.05	1/4	1,239.96	1/4	891.85	1/4	536.44	1/4	179.19	1/4		1/4		1/4	
1/2	2,300.50	1/2	1,946.26	1/2	1,589.61	1/2	1,232.52	1/2	884.64	1/2	528.99	1/2	171.74	1/2		1/2		1/2	
3/4	2,293.09	3/4	1,938.88	3/4	1,582.17	3/4	1,225.08	3/4	877.43	3/4	521.55	3/4	164.30	3/4		3/4		3/4	
10	2,285.69	10	1,931.50	10	1,574.73	10	1,217.64	10	870.22	10	514.10	10	156.86	10		10		10	
1/4	2,278.29	1/4	1,924.13	1/4	1,567.29	1/4	1,210.20	1/4	863.01	1/4	506.66	1/4	149.41	1/4		1/4		1/4	
1/2	2,270.89	1/2	1,916.75	1/2	1,559.85	1/2	1,202.76	1/2	855.80	1/2	499.22	1/2	141.97	1/2		1/2		1/2	
3/4	2,263.49	3/4	1,909.37	3/4	1,552.41	3/4	1,195.32	3/4	848.60	3/4	491.77	3/4	134.52	3/4		3/4		3/4	
11	2,256.10	11	1,901.97	11	1,544.97	11	1,187.99	11	841.27	11	484.33	11	127.07	11		11		11	
1/4	2,248.71	1/4	1,894.56	1/4	1,537.53	1/4	1,180.65	1/4	833.94	1/4	476.89	1/4	119.63	1/4		1/4		1/4	
1/2	2,241.32	1/2	1,887.15	1/2	1,530.09	1/2	1,173.32	1/2	826.62	1/2	469.45	1/2	112.18	1/2		1/2		1/2	
3/4	2,233.94	3/4	1,879.74	3/4	1,522.65	3/4	1,165.99	3/4	819.29	3/4	462.00	3/4	104.73	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2013 CL
RECALCULATED: 11/15/2018 CL
VERIFIED: 11/06/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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





BARGE "HTCO 3106"

**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	4,400.51	0	4,154.00	0	3,906.64	0	3,659.24	0	3,332.25	0	2,974.92
1/4		1/4		1/4		1/4		1/4	4,395.40	1/4	4,148.86	1/4	3,901.48	1/4	3,654.08	1/4	3,324.83	1/4	2,967.47
1/2		1/2		1/2		1/2		1/2	4,390.29	1/2	4,143.71	1/2	3,896.33	1/2	3,648.93	1/2	3,317.40	1/2	2,960.02
3/4		3/4		3/4		3/4		3/4	4,385.17	3/4	4,138.56	3/4	3,891.17	3/4	3,643.78	3/4	3,309.97	3/4	2,952.57
1		1		1		1	4,613.81	1	4,380.06	1	4,133.41	1	3,886.02	1	3,638.62	1	3,302.55	1	2,945.12
1/4		1/4		1/4		1/4	4,611.36	1/4	4,374.95	1/4	4,128.26	1/4	3,880.87	1/4	3,633.47	1/4	3,295.12	1/4	2,937.67
1/2		1/2		1/2		1/2	4,607.84	1/2	4,369.82	1/2	4,123.11	1/2	3,875.71	1/2	3,628.31	1/2	3,287.68	1/2	2,930.22
3/4		3/4		3/4		3/4	4,604.32	3/4	4,364.70	3/4	4,117.95	3/4	3,870.56	3/4	3,623.16	3/4	3,280.25	3/4	2,922.77
2		2		2		2	4,600.81	2	4,359.57	2	4,112.80	2	3,865.40	2	3,618.01	2	3,272.81	2	2,915.32
1/4		1/4		1/4		1/4	4,597.29	1/4	4,354.45	1/4	4,107.65	1/4	3,860.25	1/4	3,612.85	1/4	3,265.37	1/4	2,907.87
1/2		1/2		1/2		1/2	4,592.77	1/2	4,349.31	1/2	4,102.49	1/2	3,855.09	1/2	3,607.12	1/2	3,257.92	1/2	2,900.42
3/4		3/4		3/4		3/4	4,588.26	3/4	4,344.17	3/4	4,097.34	3/4	3,849.94	3/4	3,601.39	3/4	3,250.48	3/4	2,892.97
3		3		3		3	4,583.74	3	4,339.03	3	4,092.18	3	3,844.79	3	3,595.67	3	3,243.03	3	2,885.52
1/4		1/4		1/4		1/4	4,579.23	1/4	4,333.89	1/4	4,087.03	1/4	3,839.63	1/4	3,589.94	1/4	3,235.58	1/4	2,878.07
1/2		1/2		1/2		1/2	4,574.18	1/2	4,328.75	1/2	4,081.87	1/2	3,834.48	1/2	3,583.07	1/2	3,228.13	1/2	2,870.62
3/4		3/4		3/4		3/4	4,569.13	3/4	4,323.61	3/4	4,076.72	3/4	3,829.32	3/4	3,576.21	3/4	3,220.69	3/4	2,863.17
4		4		4		4	4,564.08	4	4,318.47	4	4,071.57	4	3,824.17	4	3,569.34	4	3,213.24	4	2,855.72
1/4		1/4		1/4		1/4	4,559.03	1/4	4,313.33	1/4	4,066.41	1/4	3,819.02	1/4	3,562.48	1/4	3,205.79	1/4	2,848.27
1/2		1/2		1/2		1/2	4,553.91	1/2	4,308.19	1/2	4,061.26	1/2	3,813.86	1/2	3,555.05	1/2	3,198.34	1/2	2,840.82
3/4		3/4		3/4		3/4	4,548.80	3/4	4,303.05	3/4	4,056.10	3/4	3,808.71	3/4	3,547.63	3/4	3,190.90	3/4	2,833.37
5		5		5		5	4,543.68	5	4,297.91	5	4,050.95	5	3,803.55	5	3,540.20	5	3,183.45	5	2,825.92
1/4		1/4		1/4		1/4	4,538.57	1/4	4,292.77	1/4	4,045.80	1/4	3,798.40	1/4	3,532.77	1/4	3,176.00	1/4	2,818.47
1/2		1/2		1/2		1/2	4,533.45	1/2	4,287.63	1/2	4,040.64	1/2	3,793.25	1/2	3,525.35	1/2	3,168.55	1/2	2,811.02
3/4		3/4		3/4		3/4	4,528.34	3/4	4,282.49	3/4	4,035.49	3/4	3,788.09	3/4	3,517.92	3/4	3,161.11	3/4	2,803.57
6		6		6		6	4,523.22	6	4,277.35	6	4,030.33	6	3,782.94	6	3,510.49	6	3,153.66	6	2,796.12
1/4		1/4		1/4		1/4	4,518.11	1/4	4,272.21	1/4	4,025.18	1/4	3,777.78	1/4	3,503.07	1/4	3,146.21	1/4	2,788.67
1/2		1/2		1/2		1/2	4,512.99	1/2	4,267.07	1/2	4,020.03	1/2	3,772.63	1/2	3,495.64	1/2	3,138.77	1/2	2,781.22
3/4		3/4		3/4		3/4	4,507.88	3/4	4,261.93	3/4	4,014.87	3/4	3,767.47	3/4	3,488.21	3/4	3,131.32	3/4	2,773.77
7		7		7		7	4,502.76	7	4,256.79	7	4,009.72	7	3,762.32	7	3,480.79	7	3,123.87	7	2,766.32
1/4		1/4		1/4		1/4	4,497.65	1/4	4,251.65	1/4	4,004.56	1/4	3,757.17	1/4	3,473.36	1/4	3,116.42	1/4	2,758.87
1/2		1/2		1/2		1/2	4,492.54	1/2	4,246.51	1/2	3,999.41	1/2	3,752.01	1/2	3,465.93	1/2	3,108.98	1/2	2,751.42
3/4		3/4		3/4		3/4	4,487.42	3/4	4,241.37	3/4	3,994.26	3/4	3,746.86	3/4	3,458.51	3/4	3,101.53	3/4	2,743.97
8		8		8		8	4,482.31	8	4,236.23	8	3,989.10	8	3,741.70	8	3,451.08	8	3,094.08	8	2,736.52
1/4		1/4		1/4		1/4	4,477.19	1/4	4,231.09	1/4	3,983.95	1/4	3,736.55	1/4	3,443.65	1/4	3,086.63	1/4	2,729.07
1/2		1/2		1/2		1/2	4,472.08	1/2	4,225.95	1/2	3,978.79	1/2	3,731.40	1/2	3,436.23	1/2	3,079.19	1/2	2,721.62
3/4		3/4		3/4		3/4	4,466.97	3/4	4,220.81	3/4	3,973.64	3/4	3,726.24	3/4	3,428.80	3/4	3,071.74	3/4	2,714.17
9		9		9		9	4,461.86	9	4,215.67	9	3,968.48	9	3,721.09	9	3,421.37	9	3,064.29	9	2,706.72
1/4		1/4		1/4		1/4	4,456.75	1/4	4,210.53	1/4	3,963.33	1/4	3,715.93	1/4	3,413.95	1/4	3,056.84	1/4	2,699.27
1/2		1/2		1/2		1/2	4,451.63	1/2	4,205.39	1/2	3,958.18	1/2	3,710.78	1/2	3,406.52	1/2	3,049.40	1/2	2,691.82
3/4		3/4		3/4		3/4	4,446.52	3/4	4,200.25	3/4	3,953.02	3/4	3,705.63	3/4	3,399.09	3/4	3,041.95	3/4	2,684.37
10		10		10		10	4,441.41	10	4,195.11	10	3,947.87	10	3,700.47	10	3,391.67	10	3,034.50	10	2,676.92
1/4		1/4		1/4		1/4	4,436.30	1/4	4,189.97	1/4	3,942.71	1/4	3,695.32	1/4	3,384.24	1/4	3,027.05	1/4	2,669.47
1/2		1/2		1/2		1/2	4,431.18	1/2	4,184.83	1/2	3,937.56	1/2	3,690.16	1/2	3,376.81	1/2	3,019.61	1/2	2,662.02
3/4		3/4		3/4		3/4	4,426.07	3/4	4,179.70	3/4	3,932.41	3/4	3,685.01	3/4	3,369.39	3/4	3,012.16	3/4	2,654.57
11		11		11		11	4,420.96	11	4,174.56	11	3,927.25	11	3,679.86	11	3,361.96	11	3,004.71	11	2,647.12
1/4		1/4		1/4		1/4	4,415.85	1/4	4,169.42	1/4	3,922.10	1/4	3,674.70	1/4	3,354.53	1/4	2,997.26	1/4	2,639.67
1/2		1/2		1/2		1/2	4,410.73	1/2	4,164.28	1/2	3,916.94	1/2	3,669.55	1/2	3,347.11	1/2	2,989.82	1/2	2,632.21
3/4		3/4		3/4		3/4	4,405.62	3/4	4,159.14	3/4	3,911.79	3/4	3,664.39	3/4	3,339.68	3/4	2,982.37	3/4	2,624.76

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 41'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "HTCO 3106"

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	2,617.30	0	2,259.35	0	1,901.40	0	1,543.45	0	1,185.50	0	828.10	0	470.16	0	112.22	0		0	
1/4	2,609.85	1/4	2,251.90	1/4	1,893.95	1/4	1,536.00	1/4	1,178.05	1/4	820.65	1/4	462.71	1/4	104.76	1/4		1/4	
1/2	2,602.39	1/2	2,244.44	1/2	1,886.49	1/2	1,528.54	1/2	1,170.59	1/2	813.19	1/2	455.25	1/2	97.31	1/2		1/2	
3/4	2,594.93	3/4	2,236.98	3/4	1,879.03	3/4	1,521.08	3/4	1,163.13	3/4	805.73	3/4	447.79	3/4	89.85	3/4		3/4	
1	2,587.47	1	2,229.52	1	1,871.57	1	1,513.62	1	1,155.67	1	798.28	1	440.33	1	82.39	1		1	
1/4	2,580.02	1/4	2,222.07	1/4	1,864.12	1/4	1,506.17	1/4	1,148.22	1/4	790.82	1/4	432.88	1/4	74.94	1/4		1/4	
1/2	2,572.56	1/2	2,214.61	1/2	1,856.66	1/2	1,498.71	1/2	1,140.76	1/2	783.36	1/2	425.42	1/2	67.95	1/2		1/2	
3/4	2,565.10	3/4	2,207.15	3/4	1,849.20	3/4	1,491.25	3/4	1,133.31	3/4	775.90	3/4	417.96	3/4	60.95	3/4		3/4	
2	2,557.65	2	2,199.70	2	1,841.74	2	1,483.79	2	1,125.86	2	768.45	2	410.51	2	53.96	2		2	
1/4	2,550.19	1/4	2,192.24	1/4	1,834.29	1/4	1,476.34	1/4	1,118.40	1/4	760.99	1/4	403.05	1/4	46.97	1/4		1/4	
1/2	2,542.73	1/2	2,184.78	1/2	1,826.83	1/2	1,468.88	1/2	1,110.95	1/2	753.53	1/2	395.59	1/2	41.38	1/2		1/2	
3/4	2,535.27	3/4	2,177.32	3/4	1,819.37	3/4	1,461.42	3/4	1,103.50	3/4	746.08	3/4	388.13	3/4	35.79	3/4		3/4	
3	2,527.82	3	2,169.87	3	1,811.92	3	1,453.97	3	1,096.05	3	738.62	3	380.68	3	30.19	3		3	
1/4	2,520.36	1/4	2,162.41	1/4	1,804.46	1/4	1,446.51	1/4	1,088.61	1/4	731.16	1/4	373.22	1/4	24.60	1/4		1/4	
1/2	2,512.90	1/2	2,154.95	1/2	1,797.00	1/2	1,439.05	1/2	1,081.16	1/2	723.70	1/2	365.76	1/2	20.87	1/2		1/2	
3/4	2,505.44	3/4	2,147.49	3/4	1,789.54	3/4	1,431.59	3/4	1,073.71	3/4	716.25	3/4	358.31	3/4		3/4		3/4	
4	2,497.99	4	2,140.04	4	1,782.09	4	1,424.14	4	1,066.27	4	708.79	4	350.85	4		4		4	
1/4	2,490.53	1/4	2,132.58	1/4	1,774.63	1/4	1,416.68	1/4	1,058.82	1/4	701.33	1/4	343.39	1/4		1/4		1/4	
1/2	2,483.07	1/2	2,125.12	1/2	1,767.17	1/2	1,409.22	1/2	1,051.38	1/2	693.88	1/2	335.94	1/2		1/2		1/2	
3/4	2,475.62	3/4	2,117.66	3/4	1,759.71	3/4	1,401.76	3/4	1,043.94	3/4	686.42	3/4	328.48	3/4		3/4		3/4	
5	2,468.16	5	2,110.21	5	1,752.26	5	1,394.31	5	1,036.50	5	678.96	5	321.02	5	5	5		5	
1/4	2,460.70	1/4	2,102.75	1/4	1,744.80	1/4	1,386.85	1/4	1,029.06	1/4	671.50	1/4	313.56	1/4		1/4		1/4	
1/2	2,453.24	1/2	2,095.29	1/2	1,737.34	1/2	1,379.39	1/2	1,021.61	1/2	664.05	1/2	306.11	1/2		1/2		1/2	
3/4	2,445.79	3/4	2,087.84	3/4	1,729.89	3/4	1,371.93	3/4	1,014.17	3/4	656.59	3/4	298.65	3/4		3/4		3/4	
6	2,438.33	6	2,080.38	6	1,722.43	6	1,364.48	6	1,006.73	6	649.13	6	291.19	6	6	6		6	
1/4	2,430.87	1/4	2,072.92	1/4	1,714.97	1/4	1,357.02	1/4	999.29	1/4	641.68	1/4	283.74	1/4		1/4		1/4	
1/2	2,423.41	1/2	2,065.46	1/2	1,707.51	1/2	1,349.56	1/2	991.84	1/2	634.22	1/2	276.28	1/2		1/2		1/2	
3/4	2,415.96	3/4	2,058.01	3/4	1,700.06	3/4	1,342.11	3/4	984.40	3/4	626.76	3/4	268.82	3/4		3/4		3/4	
7	2,408.50	7	2,050.55	7	1,692.60	7	1,334.65	7	976.96	7	619.30	7	261.36	7	7	7		7	
1/4	2,401.04	1/4	2,043.09	1/4	1,685.14	1/4	1,327.19	1/4	969.52	1/4	611.85	1/4	253.91	1/4		1/4		1/4	
1/2	2,393.58	1/2	2,035.63	1/2	1,677.68	1/2	1,319.73	1/2	962.08	1/2	604.39	1/2	246.45	1/2		1/2		1/2	
3/4	2,386.13	3/4	2,028.18	3/4	1,670.23	3/4	1,312.28	3/4	954.63	3/4	596.93	3/4	238.99	3/4		3/4		3/4	
8	2,378.67	8	2,020.72	8	1,662.77	8	1,304.82	8	947.19	8	589.48	8	231.54	8	8	8		8	
1/4	2,371.21	1/4	2,013.26	1/4	1,655.31	1/4	1,297.36	1/4	939.75	1/4	582.02	1/4	224.08	1/4		1/4		1/4	
1/2	2,363.76	1/2	2,005.81	1/2	1,647.85	1/2	1,289.90	1/2	932.31	1/2	574.56	1/2	216.62	1/2		1/2		1/2	
3/4	2,356.30	3/4	1,998.35	3/4	1,640.40	3/4	1,282.45	3/4	924.87	3/4	567.11	3/4	209.16	3/4		3/4		3/4	
9	2,348.84	9	1,990.89	9	1,632.94	9	1,274.99	9	917.42	9	559.65	9	201.71	9	9	9		9	
1/4	2,341.38	1/4	1,983.43	1/4	1,625.48	1/4	1,267.53	1/4	909.98	1/4	552.19	1/4	194.25	1/4		1/4		1/4	
1/2	2,333.93	1/2	1,975.98	1/2	1,618.03	1/2	1,260.08	1/2	902.54	1/2	544.73	1/2	186.79	1/2		1/2		1/2	
3/4	2,326.47	3/4	1,968.52	3/4	1,610.57	3/4	1,252.62	3/4	895.10	3/4	537.28	3/4	179.34	3/4		3/4		3/4	
10	2,319.01	10	1,961.06	10	1,603.11	10	1,245.16	10	887.66	10	529.82	10	171.88	10	10	10		10	
1/4	2,311.55	1/4	1,953.60	1/4	1,595.65	1/4	1,237.70	1/4	880.21	1/4	522.36	1/4	164.42	1/4		1/4		1/4	
1/2	2,304.10	1/2	1,946.15	1/2	1,588.20	1/2	1,230.25	1/2	872.77	1/2	514.91	1/2	156.96	1/2		1/2		1/2	
3/4	2,296.64	3/4	1,938.69	3/4	1,580.74	3/4	1,222.79	3/4	865.33	3/4	507.45	3/4	149.51	3/4		3/4		3/4	
11	2,289.18	11	1,931.23	11	1,573.28	11	1,215.33	11	857.89	11	499.99	11	142.05	11	11	11		11	
1/4	2,281.73	1/4	1,923.78	1/4	1,565.82	1/4	1,207.87	1/4	850.44	1/4	492.53	1/4	134.59	1/4		1/4		1/4	
1/2	2,274.27	1/2	1,916.32	1/2	1,558.37	1/2	1,200.42	1/2	843.00	1/2	485.08	1/2	127.14	1/2		1/2		1/2	
3/4	2,266.81	3/4	1,908.86	3/4	1,550.91	3/4	1,192.96	3/4	835.55	3/4	477.62	3/4	119.68	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2013 CL
 RECALCULATED: 11/15/2018 CL
 VERIFIED: 11/06/2023

CANCELS AND SUPERCEDES
 ALL PRIOR TO 11/2023

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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



BARGE "HTCO 3106"

AFT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 1/2"

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 10/09/2013 CL
CALCULATED: 10/10/2013 CL
VERIFIED: 11/06/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

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 3106"

FWD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	449	0	898	0	1,347	0	1,795	0		0		0		0		0	
1/4	9	1/4	458	1/4	907	1/4	1,356	1/4	1,805	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	468	1/2	917	1/2	1,365	1/2	1,814	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	477	3/4	926	3/4	1,375	3/4	1,824	3/4		3/4		3/4		3/4		3/4	
1	37	1	486	1	935	1	1,384	1	1,833	1		1		1		1		1	
1/4	47	1/4	496	1/4	945	1/4	1,393	1/4	1,842	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	505	1/2	954	1/2	1,403	1/2	1,852	1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	514	3/4	963	3/4	1,412	3/4	1,861	3/4		3/4		3/4		3/4		3/4	
2	75	2	524	2	973	2	1,421	2	1,870	2		2		2		2		2	
1/4	84	1/4	533	1/4	982	1/4	1,431	1/4	1,880	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	542	1/2	991	1/2	1,440	1/2	1,889	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	552	3/4	1,001	3/4	1,450	3/4	1,898	3/4		3/4		3/4		3/4		3/4	
3	112	3	561	3	1,010	3	1,459	3	1,908	3		3		3		3		3	
1/4	122	1/4	571	1/4	1,019	1/4	1,468	1/4	1,917	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	580	1/2	1,029	1/2	1,478	1/2	1,926	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	589	3/4	1,038	3/4	1,487	3/4	1,936	3/4		3/4		3/4		3/4		3/4	
4	150	4	599	4	1,047	4	1,496	4	1,945	4		4		4		4		4	
1/4	159	1/4	608	1/4	1,057	1/4	1,506	1/4	1,954	1/4		1/4		1/4		1/4		1/4	
1/2	168	1/2	617	1/2	1,066	1/2	1,515	1/2	1,964	1/2		1/2		1/2		1/2		1/2	
3/4	178	3/4	627	3/4	1,075	3/4	1,524	3/4	1,973	3/4		3/4		3/4		3/4		3/4	
5	187	5	636	5	1,085	5	1,534	5	1,982	5		5		5		5		5	
1/4	197	1/4	645	1/4	1,094	1/4	1,543	1/4	1,992	1/4		1/4		1/4		1/4		1/4	
1/2	206	1/2	655	1/2	1,104	1/2	1,552	1/2	2,001	1/2		1/2		1/2		1/2		1/2	
3/4	215	3/4	664	3/4	1,113	3/4	1,562	3/4	2,011	3/4		3/4		3/4		3/4		3/4	
6	225	6	673	6	1,122	6	1,571	6	2,020	6		6		6		6		6	
1/4	234	1/4	683	1/4	1,132	1/4	1,580	1/4	2,030	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	2,040	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	2,050	3/4		3/4		3/4		3/4		3/4	
7	262	7	711	7	1,160	7	1,608	7	2,060	7		7		7		7		7	
1/4	271	1/4	720	1/4	1,169	1/4	1,618	1/4	2,070	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	2,080	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	2,090	3/4		3/4		3/4		3/4		3/4	
8	299	8	748	8	1,197	8	1,646	8	2,100	8		8		8		8		8	
1/4	309	1/4	758	1/4	1,206	1/4	1,655	1/4	2,110	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	2,120	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	2,130	3/4		3/4		3/4		3/4		3/4	
9	337	9	786	9	1,234	9	1,683	9	2,140	9		9		9		9		9	
1/4	346	1/4	795	1/4	1,244	1/4	1,693	1/4	2,150	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	2,160	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	2,170	3/4		3/4		3/4		3/4		3/4	
10	374	10	823	10	1,272	10	1,721	10	2,180	10		10		10		10		10	
1/4	384	1/4	832	1/4	1,281	1/4	1,730	1/4	2,190	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	2,200	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	2,210	3/4		3/4		3/4		3/4		3/4	
11	412	11	860	11	1,309	11	1,758	11	2,220	11		11		11		11		11	
1/4	421	1/4	870	1/4	1,319	1/4	1,767	1/4	2,230	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	2,240	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	2,250	3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 10/09/2013 CL
CALCULATED: 10/10/2013 CL
VERIFIED: 11/06/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

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 3106"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.

STRAPPED: 10/09/2013 CL
CALCULATED: 10/10/2013 CL
VERIFIED: 11/06/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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