BARGE "HTCO 3117"

ULLAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
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	- 00-1/4	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

(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 3117"

1 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	4,701.30	0	4,344.64	0	3,986.70	0	3,628.68	0	3,270.67	0	2,912.63
1/4		1/4		1/4		1/4		1/4	4,693.90	1/4	4,337.20	1/4	3,979.24	1/4	3,621.22	1/4	3,263.21	1/4	2,905.17
1/2		1/2		1/2		1/2		1/2	4,686.50	1/2	4,329.77	1/2	3,971.78	1/2	3,613.77	1/2	3,255.75	1/2	2,897.70
3/4		3/4		3/4		3/4		3/4	4,679.11	3/4	4,322.32	3/4	3,964.32	3/4	3,606.31	3/4	3,248.29	3/4	2,890.24
1		1		1		1		1	4,671.71	1	4,314.87	1	3,956.87	1	3,598.85	1	3,240.83	1	2,882.78
1/4		1/4		1/4		1/4	5,007.77	1/4	4,664.31	1/4	4,307.42	1/4	3,949.41	1/4	3,591.39	1/4	3,233.37	1/4	2,875.32
1/2		1/2		1/2		1/2	5,003.03	1/2	4,656.91	1/2	4,299.97	1/2	3,941.95	1/2	3,583.93	1/2	3,225.91	1/2	2,867.85
3/4		3/4		3/4		3/4	4,997.23	3/4	4,649.50	3/4	4,292.51	3/4	3,934.49	3/4	3,576.47	3/4	3,218.45	3/4	2,860.39
2		2		2		2	4,991.43	2	4,642.08	2	4,285.05	2	3,927.03	2	3,569.01	2	3,211.00	2	2,852.93
1/4		1/4		1/4		1/4	4,985.63	1/4	4,634.66	1/4	4,277.59	1/4	3,919.57	1/4	3,561.55	1/4	3,203.54	1/4	2,845.47
1/2		1/2		1/2		1/2	4,979.82	1/2	4,627.25	1/2	4,270.13	1/2	3,912.11	1/2	3,554.10	1/2	3,196.08	1/2	2,838.00
3/4		3/4		3/4		3/4	4,973.02	3/4	4,619.81	3/4	4,262.67	3/4	3,904.65	3/4	3,546.64	3/4	3,188.62	3/4	2,830.54
3		3		3		3	4,966.22	3	4,612.37	3	4,255.21	3	3,897.20	3	3,539.18	3	3,181.16	3	2,823.08
1/4		1/4		1/4		1/4	4,959.42	1/4	4,604.94	1/4	4,247.75	1/4	3,889.74	1/4	3,531.72	1/4	3,173.70	1/4	2,815.61
1/2		1/2		1/2		1/2	4,952.61	1/2	4,597.50	1/2	4,240.30	1/2	3,882.28	1/2	3,524.26	1/2	3,166.24	1/2	2,808.15
3/4		3/4		3/4		3/4	4,945.28	3/4	4,590.06	3/4	4,232.84	3/4	3,874.82	3/4	3,516.80	3/4	3,158.78	3/4	2,800.69
4		4		4		4	4,937.94	4	4,582.62	4	4,225.38	4	3,867.36	4	3,509.34	4	3,151.33	4	2,793.23
1/4		1/4		1/4		1/4	4,930.61	1/4	4,575.19	1/4	4,217.92	1/4	3,859.90	1/4	3,501.88	1/4	3,143.87	1/4	2,785.76
1/2		1/2		1/2		1/2	4,923.27	1/2	4,567.75	1/2	4,210.46	1/2	3,852.44	1/2	3,494.43	1/2	3,136.41	1/2	2,778.30
3/4		3/4		3/4		3/4	4,915.87	3/4	4,560.31	3/4	4,203.00	3/4	3,844.99	3/4	3,486.97	3/4	3,128.95	3/4	2,770.84
5		5		5		5	4,908.47	5	4,552.88	5	4,195.54	5	3,837.53	5	3,479.51	5	3,121.49	5	2,763.38
1/4		1/4		1/4		1/4	4,901.07	1/4	4,545.44	1/4	4,188.09	1/4	3,830.07	1/4	3,472.05	1/4	3,114.03	1/4	2,755.91
1/2		1/2		1/2		1/2	4,893.67	1/2	4,538.00	1/2	4,180.63	1/2	3,822.61	1/2	3,464.59	1/2	3,106.57	1/2	2,748.45
3/4		3/4		3/4		3/4	4,886.26	3/4	4,530.57	3/4	4,173.17	3/4	3,815.15	3/4	3,457.13	3/4	3,099.12	3/4	2,740.99
6		6		6		6	4,878.86	6	4,523.13	6	4,165.71	6	3,807.69	6	3,449.67	6	3,091.66	6	2,733.53
1/4		1/4		1/4		1/4	4,871.46	1/4	4,515.69	1/4	4,158.25	1/4	3,800.23	1/4	3,442.22	1/4	3,084.20	1/4	2,726.06
1/2		1/2		1/2		1/2	4,864.06	1/2	4,508.25	1/2	4,150.79	1/2	3,792.77	1/2	3,434.76	1/2	3,076.74	1/2	2,718.60
3/4		3/4		3/4		3/4	4,856.66	3/4	4,500.82	3/4	4,143.33	3/4	3,785.32	3/4	3,427.30	3/4	3,069.28	3/4	2,711.14
7		7		7		7	4,849.26	7	4,493.38	7	4,135.87	7	3,777.86	7	3,419.84	7	3,061.82	7	2,703.67
1/4		1/4		1/4		1/4	4,841.86	1/4	4,485.94	1/4	4,128.42	1/4	3,770.40	1/4	3,412.38	1/4	3,054.36	1/4	2,696.21
1/2		1/2		1/2		1/2	4,834.46	1/2	4,478.51	1/2	4,120.96	1/2	3,762.94	1/2	3,404.92	1/2	3,046.90	1/2	2,688.75
3/4		3/4		3/4		3/4	4,827.06	3/4	4,471.07	3/4	4,113.50	3/4	3,755.48	3/4	3,397.46	3/4	3,039.45	3/4	2,681.29
8		8		8		8	4,819.66	8	4,463.63	8	4,106.04	8	3,748.02	8	3,390.00	8	3,031.99	8	2,673.82
1/4		1/4		1/4		1/4	4,812.26	1/4	4,456.20	1/4	4,098.58	1/4	3,740.56	1/4	3,382.55	1/4	3,024.53	1/4	2,666.36
1/2		1/2		1/2		1/2	4,804.86	1/2	4,448.76	1/2	4,091.12	1/2	3,733.10	1/2	3,375.09	1/2	3,017.07	1/2	2,658.90
3/4		3/4		3/4		3/4	4,797.46	3/4	4,441.32	3/4	4,083.66	3/4	3,725.65	3/4	3,367.63	3/4	3,009.61	3/4	2,651.44
9		9		9		9	4,790.06	9	4,433.88	9	4,076.20	9	3,718.19	9	3,360.17	9	3,002.15	9	2,643.97
1/4		1/4		1/4		1/4	4,782.67	1/4	4,426.45	1/4	4,068.75	1/4	3,710.73	1/4	3,352.71	1/4	2,994.69	1/4	2,636.51
1/2		1/2		1/2		1/2	4,775.27	1/2	4,419.01	1/2	4,061.29	1/2	3,703.27	1/2	3,345.25	1/2	2,987.23	1/2	2,629.05
3/4		3/4		3/4		3/4	4,767.87	3/4	4,411.57	3/4	4,053.83	3/4	3,695.81	3/4	3,337.79	3/4	2,979.78	3/4	2,621.58
10		10		10		10	4,760.48	10	4,404.14	10	4,046.37	10	3,688.35	10	3,330.33	10	2,972.32	10	2,614.12
1/4		1/4		1/4		1/4	4,753.08	1/4	4,396.70	1/4	4,038.91	1/4	3,680.89	1/4	3,322.88	1/4	2,964.86	1/4	2,606.66
1/2		1/2		1/2		1/2	4,745.68	1/2	4,389.26	1/2	4,031.45	1/2	3,673.43	1/2	3,315.42	1/2	2,957.40	1/2	2,599.20
3/4		3/4		3/4		3/4	4,738.28	3/4	4,381.83	3/4	4,023.99	3/4	3,665.98	3/4	3,307.96	3/4	2,949.94	3/4	2,591.73
11		11		11		11	4,730.89	11	4,374.39	11	4,016.54	11	3,658.52	11	3,300.50	11	2,942.48	11	2,584.27
1/4		1/4		1/4		1/4	4,723.49	1/4	4,366.95	1/4	4,009.08	1/4	3,651.06	1/4	3,293.04	1/4	2,935.02	1/4	2,576.81
1/2		1/2		1/2		1/2	4,716.09	1/2	4,359.51	1/2	4,001.62	1/2	3,643.60	1/2	3,285.58	1/2	2,927.56	1/2	2,569.35
3/4		3/4		3/4		3/4	4,708.69	3/4	4,352.08	3/4	3,994.16	3/4	3,636.14	3/4	3,278.12	3/4	2,920.10	3/4	2,561.88

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
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BARGE "HTCO 3117"

1 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,554.42	0	2,196.21	0	1,838.00	0	1,479.79	0	1,121.61	0	765.54	0	411.57	0	95.60	0		0	
1/4	2,546.96	1/4	2,188.75	1/4	1,830.54	1/4	1,472.33	1/4	1,114.16	1/4	758.10	1/4	404.52	1/4	89.49	1/4		1/4	
1/2	2,539.49	1/2	2,181.29	1/2	1,823.08	1/2	1,464.87	1/2	1,106.71	1/2	750.66	1/2	397.46	1/2	83.38	1/2		1/2	
3/4	2,532.03	3/4	2,173.82	3/4	1,815.61	3/4	1,457.40	3/4	1,099.28	3/4	743.20	3/4	390.49	3/4	77.35	3/4		3/4	
1	2,524.57	1	2,166.36	1	1,808.15	1	1,449.94	1	1,091.85	1	735.74	1	383.52	1	71.32	1		1	
1/4	2,517.11	1/4	2,158.90	1/4	1,800.69	1/4	1,442.48	1/4	1,084.42	1/4	728.27	1/4	376.55	1/4	65.29	1/4		1/4	
1/2	2,509.64	1/2	2,151.43	1/2	1,793.22	1/2	1,435.02	1/2	1,076.98	1/2	720.81	1/2	369.57	1/2	59.26	1/2		1/2	
3/4	2,502.18	3/4	2,143.97	3/4	1,785.76	3/4	1,427.55	3/4	1,069.56	3/4	713.35	3/4	362.68	3/4	53.78	3/4		3/4	
2	2,494.72	2	2,136.51	2	1,778.30	2	1,420.09	2	1,062.13	2	705.89	2	355.78	2	48.30	2		2	
1/4	2,487.26	1/4	2,129.05	1/4	1,770.84	1/4	1,412.63	1/4	1,054.70	1/4	698.42	1/4	348.88	1/4	42.82	1/4		1/4	
1/2	2,479.79	1/2	2,121.58	1/2	1,763.37	1/2	1,405.16	1/2	1,047.28	1/2	690.96	1/2	341.98	1/2	37.34	1/2		1/2	
3/4	2,472.33	3/4	2,114.12	3/4	1,755.91	3/4	1,397.70	3/4	1,039.86	3/4	683.50	3/4	335.16	3/4	33.34	3/4		3/4	
3	2,464.87	3	2,106.66	3	1,748.45	3	1,390.24	3	1,032.44	3	676.04	3	328.33	3	29.34	3		3	
1/4	2,457.41	1/4	2,099.20	1/4	1,740.99	1/4	1,382.78	1/4	1,025.02	1/4	668.57	1/4	321.51	1/4	25.34	1/4		1/4	
1/2	2,449.94	1/2	2,091.73	1/2	1,733.52	1/2	1,375.31	1/2	1,017.60	1/2	661.11	1/2	314.68	1/2	21.34	1/2		1/2	
3/4	2,442.48	3/4	2,084.27	3/4	1,726.06	3/4	1,367.85	3/4	1,010.19	3/4	653.65	3/4	307.94	3/4	18.43	3/4		3/4	
4	2,435.02	4	2,076.81	4	1,718.60	4	1,360.39	4	1,002.77	4	646.19	4	301.19	4		4		4	
1/4	2,427.55	1/4	2,069.34	1/4	1,711.14	1/4	1,352.93	1/4	995.36	1/4	638.72	1/4	294.45	1/4		1/4		1/4	
1/2	2,420.09	1/2	2,061.88	1/2	1,703.67	1/2	1,345.46	1/2	987.94	1/2	631.26	1/2	287.71	1/2		1/2		1/2	
3/4	2,412.63	3/4	2,054.42	3/4	1,696.21	3/4	1,338.00	3/4	980.53	3/4	623.80	3/4	281.04	3/4		3/4		3/4	
5	2,405.17	5	2,046.96	5	1,688.75	5	1,330.54	5	973.12	5	616.34	5	274.38	5		5		5	
1/4	2,397.70	1/4	2,039.49	1/4	1,681.28	1/4	1,323.07	1/4	965.70	1/4	608.87	1/4	267.72	1/4		1/4		1/4	
1/2	2,390.24	1/2	2,032.03	1/2	1,673.82	1/2	1,315.61	1/2	958.29	1/2	601.41	1/2	261.05	1/2		1/2		1/2	
3/4	2,382.78	3/4	2,024.57	3/4	1,666.36	3/4	1,308.15	3/4	950.88	3/4	593.95	3/4	254.47	3/4		3/4		3/4	
6	2,375.32	6	2,017.11	6	1,658.90	6	1,300.69	6	943.47	6	586.48	6	247.89	6		6		6	
1/4	2,367.85	1/4	2,009.64	1/4	1,651.43	1/4	1,293.22	1/4	936.06	1/4	579.02	1/4	241.31	1/4		1/4		1/4	
1/2	2,360.39	1/2	2,002.18	1/2	1,643.97	1/2	1,285.76	1/2	928.65	1/2	571.56	1/2	234.72	1/2		1/2		1/2	
3/4	2,352.93	3/4	1,994.72	3/4	1,636.51	3/4	1,278.30	3/4	921.23	3/4	564.12	3/4	228.22	3/4		3/4		3/4	
7	2,345.46	7	1,987.26	7	1,629.05	7	1,270.84	7	913.82	7	556.68	7	221.72	7		7		7	
1/4	2,338.00	1/4	1,979.79	1/4	1,621.58	1/4	1,263.37	1/4	906.41	1/4	549.24	1/4	215.22	1/4		1/4		1/4	
1/2	2,330.54	1/2	1,972.33	1/2	1,614.12	1/2	1,255.91	1/2	899.00	1/2	541.80	1/2	208.72	1/2		1/2		1/2	
3/4	2,323.08	3/4	1,964.87	3/4	1,606.66	3/4	1,248.45	3/4	891.59	3/4	534.42	3/4	202.30	3/4		3/4		3/4	
8	2,315.61	8	1,957.40	8	1,599.19	8	1,240.99	8	884.17	8	527.04	8	195.88	8		8		8	
1/4	2,308.15	1/4	1,949.94	1/4	1,591.73	1/4	1,233.52	1/4	876.76	1/4	519.66	1/4	189.46	1/4		1/4		1/4	
1/2	2,300.69	1/2	1,942.48	1/2	1,584.27	1/2	1,226.06	1/2	869.35	1/2	512.29	1/2	183.04	1/2		1/2		1/2	
3/4	2,293.23	3/4	1,935.02	3/4	1,576.81	3/4	1,218.60	3/4	861.94	3/4	504.99	3/4	176.70	3/4		3/4		3/4	
9	2,285.76	9	1,927.55	9	1,569.34	9	1,211.13	9	854.53	9	497.69	9	170.35	9		9		9	
1/4	2,278.30	1/4	1,920.09	1/4	1,561.88	1/4	1,203.67	1/4	847.12	1/4	490.39	1/4	164.01	1/4		1/4		1/4	
1/2	2,270.84	1/2	1,912.63	1/2	1,554.42	1/2	1,196.21	1/2	839.70	1/2	483.09	1/2	157.67	1/2		1/2		1/2	
3/4	2,263.38	3/4	1,905.17	3/4	1,546.96	3/4	1,188.75	3/4	832.29	3/4	475.88	3/4	151.39	3/4		3/4		3/4	
10	2,255.91	10	1,897.70	10	1,539.49	10	1,181.28	10	824.88	10	468.66	10	145.12	10		10		10	
1/4	2,248.45	1/4	1,890.24	1/4	1,532.03	1/4	1,173.82	1/4	817.47	1/4	461.44	1/4	138.85	1/4		1/4		1/4	
1/2	2,240.99	1/2	1,882.78	1/2	1,524.57	1/2	1,166.36	1/2	810.06	1/2	454.23	1/2	132.58	1/2		1/2		1/2	
3/4	2,233.52	3/4	1,875.31	3/4	1,517.11	3/4	1,158.90	3/4	802.65	3/4	447.09	3/4	126.39	3/4		3/4		3/4	
11	2,226.06	11	1,867.85	11	1,509.64	11	1,151.43	11	795.23	11	439.95	11	120.20	11		11		11	
1/4	2,218.60	1/4	1,860.39	1/4	1,502.18	1/4	1,143.97	1/4	787.82	1/4	432.82	1/4	114.01	1/4		1/4		1/4	
1/2	2,211.14	1/2	1,852.93	1/2	1,494.72	1/2	1,136.51	1/2	780.41	1/2	425.68	1/2	107.82	1/2		1/2		1/2	
3/4	2,203.67	3/4	1,845.46	3/4	1,487.25	3/4	1,129.06	3/4	772.97	3/4	418.63	3/4	101.71	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/12/2014 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 3117"

1 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,695.57	0	4,338.88	0	3,980.93	0	3,622.91	0	3,264.90	0	2,906.89
1/4		1/4		1/4		1/4		1/4	4,688.17	1/4	4,331.44	1/4	3,973.47	1/4	3,615.45	1/4	3,257.44	1/4	2,899.43
1/2		1/2		1/2		1/2		1/2	4,680.78	1/2	4,323.99	1/2	3,966.01	1/2	3,608.00	1/2	3,249.98	1/2	2,891.97
3/4		3/4		3/4		3/4		3/4	4,673.38	3/4	4,316.54	3/4	3,958.55	3/4	3,600.54	3/4	3,242.52	3/4	2,884.51
1		1		1		1	5,009.42	1	4,665.98	1	4,309.09	1	3,951.09	1	3,593.08	1	3,235.07	1	2,877.04
1/4		1/4		1/4		1/4	5,004.69	1/4	4,658.59	1/4	4,301.65	1/4	3,943.63	1/4	3,585.62	1/4	3,227.61	1/4	2,869.58
1/2		1/2		1/2		1/2	4,998.88	1/2	4,651.17	1/2	4,294.19	1/2	3,936.17	1/2	3,578.16	1/2	3,220.15	1/2	2,862.12
3/4		3/4		3/4		3/4	4,993.08	3/4	4,643.75	3/4	4,286.73	3/4	3,928.72	3/4	3,570.70	3/4	3,212.69	3/4	2,854.66
2		2		2		2	4,987.28	2	4,636.33	2	4,279.27	2	3,921.26	2	3,563.24	2	3,205.23	2	2,847.19
1/4		1/4		1/4		1/4	4,981.48	1/4	4,628.92	1/4	4,271.81	1/4	3,913.80	1/4	3,555.79	1/4	3,197.77	1/4	2,839.73
1/2		1/2		1/2		1/2	4,974.68	1/2	4,621.48	1/2	4,264.35	1/2	3,906.34	1/2	3,548.33	1/2	3,190.31	1/2	2,832.27
3/4		3/4		3/4		3/4	4,967.88	3/4	4,614.04	3/4	4,256.89	3/4	3,898.88	3/4	3,540.87	3/4	3,182.86	3/4	2,824.81
3		3		3		3	4,961.08	3	4,606.61	3	4,249.43	3	3,891.42	3	3,533.41	3	3,175.40	3	2,817.34
1/4		1/4		1/4		1/4	4,954.28	1/4	4,599.17	1/4	4,241.98	1/4	3,883.96	1/4	3,525.95	1/4	3,167.94	1/4	2,809.88
1/2		1/2		1/2		1/2	4,946.94	1/2	4,591.73	1/2	4,234.52	1/2	3,876.50	1/2	3,518.49	1/2	3,160.48	1/2	2,802.42
3/4		3/4		3/4		3/4	4,939.61	3/4	4,584.30	3/4	4,227.06	3/4	3,869.05	3/4	3,511.03	3/4	3,153.02	3/4	2,794.95
4		4		4		4	4,932.27	4	4,576.86	4	4,219.60	4	3,861.59	4	3,503.57	4	3,145.56	4	2,787.49
1/4		1/4		1/4		1/4	4,924.94	1/4	4,569.42	1/4	4,212.14	1/4	3,854.13	1/4	3,496.12	1/4	3,138.10	1/4	2,780.03
1/2		1/2		1/2		1/2	4,917.54	1/2	4,561.98	1/2	4,204.68	1/2	3,846.67	1/2	3,488.66	1/2	3,130.64	1/2	2,772.57
3/4		3/4		3/4		3/4	4,910.14	3/4	4,554.55	3/4	4,197.22	3/4	3,839.21	3/4	3,481.20	3/4	3,123.19	3/4	2,765.10
5		5		5		5	4,902.74	5	4,547.11	5	4,189.77	5	3,831.75	5	3,473.74	5	3,115.73	5	2,757.64
1/4		1/4		1/4		1/4	4,895.34	1/4	4,539.67	1/4	4,182.31	1/4	3,824.29	1/4	3,466.28	1/4	3,108.27	1/4	2,750.18
1/2		1/2		1/2		1/2	4,887.93	1/2	4,532.24	1/2	4,174.85	1/2	3,816.84	1/2	3,458.82	1/2	3,100.81	1/2	2,742.72
3/4		3/4		3/4		3/4	4,880.53	3/4	4,524.80	3/4	4,167.39	3/4	3,809.38	3/4	3,451.36	3/4	3,093.35	3/4	2,735.25
6		6		6		6	4,873.13	6	4,517.36	6	4,159.93	6	3,801.92	6	3,443.91	6	3,085.89	6	2,727.79
1/4		1/4		1/4		1/4	4,865.73	1/4	4,509.93	1/4	4,152.47	1/4	3,794.46	1/4	3,436.45	1/4	3,078.43	1/4	2,720.33
1/2		1/2		1/2		1/2	4,858.33	1/2	4,502.49	1/2	4,145.01	1/2	3,787.00	1/2	3,428.99	1/2	3,070.98	1/2	2,712.87
3/4		3/4		3/4		3/4	4,850.93	3/4	4,495.05	3/4	4,137.56	3/4	3,779.54	3/4	3,421.53	3/4	3,063.52	3/4	2,705.40
7		7		7		7	4,843.53	7	4,487.62	7	4,130.10	7	3,772.08	7	3,414.07	7	3,056.06	7	2,697.94
1/4		1/4		1/4		1/4	4,836.13	1/4	4,480.18	1/4	4,122.64	1/4	3,764.63	1/4	3,406.61	1/4	3,048.60	1/4	2,690.48
1/2		1/2		1/2		1/2	4,828.73	1/2	4,472.74	1/2	4,115.18	1/2	3,757.17	1/2	3,399.15	1/2	3,041.14	1/2	2,683.01
3/4		3/4		3/4		3/4	4,821.33	3/4	4,465.31	3/4	4,107.72	3/4	3,749.71	3/4	3,391.70	3/4	3,033.68	3/4	2,675.55
8		8		8		8	4,813.93	8	4,457.87	8	4,100.26	8	3,742.25	8	3,384.24	8	3,026.22	8	2,668.09
1/4		1/4		1/4		1/4	4,806.53	1/4	4,450.43	1/4	4,092.80	1/4	3,734.79	1/4	3,376.78	1/4	3,018.77	1/4	2,660.63
1/2		1/2		1/2		1/2	4,799.13	1/2	4,442.99	1/2	4,085.35	1/2	3,727.33	1/2	3,369.32	1/2	3,011.31	1/2	2,653.16
3/4		3/4		3/4		3/4	4,791.74	3/4	4,435.56	3/4	4,077.89	3/4	3,719.87	3/4	3,361.86	3/4	3,003.85	3/4	2,645.70
9		9		9		9	4,784.34	9	4,428.12	9	4,070.43	9	3,712.42	9	3,354.40	9	2,996.39	9	2,638.24
1/4		1/4		1/4		1/4	4,776.94	1/4	4,420.68	1/4	4,062.97	1/4	3,704.96	1/4	3,346.94	1/4	2,988.93	1/4	2,630.78
1/2		1/2		1/2		1/2	4,769.54	1/2	4,413.25	1/2	4,055.51	1/2	3,697.50	1/2	3,339.49	1/2	2,981.47	1/2	2,623.31
3/4		3/4		3/4		3/4	4,762.15	3/4	4,405.81	3/4	4,048.05	3/4	3,690.04	3/4	3,332.03	3/4	2,974.01	3/4	2,615.85
10		10		10		10	4,754.75	10	4,398.37	10	4,040.59	10	3,682.58	10	3,324.57	10	2,966.56	10	2,608.39
1/4		1/4		1/4		1/4	4,747.35	1/4	4,390.94	1/4	4,033.14	1/4	3,675.12	1/4	3,317.11	1/4	2,959.10	1/4	2,600.92
1/2		1/2		1/2		1/2	4,739.95	1/2	4,383.50	1/2	4,025.68	1/2	3,667.66	1/2	3,309.65	1/2	2,951.64	1/2	2,593.46
3/4		3/4		3/4		3/4	4,732.56	3/4	4,376.06	3/4	4,018.22	3/4	3,660.21	3/4	3,302.19	3/4	2,944.18	3/4	2,586.00
11		11		11		11	4,725.16	11	4,368.63	11	4,010.76	11	3,652.75	11	3,294.73	11	2,936.72	11	2,578.54
1/4		1/4		1/4		1/4	4,717.76	1/4	4,361.19	1/4	4,003.30	1/4	3,645.29	1/4	3,287.28	1/4	2,929.26	1/4	2,571.07
1/2		1/2		1/2		1/2	4,710.37	1/2	4,353.75	1/2	3,995.84	1/2	3,637.83	1/2	3,279.82	1/2	2,921.81	1/2	2,563.61
3/4		3/4		3/4		3/4	4,702.97	3/4	4,346.31	3/4	3,988.38	3/4	3,630.37	3/4	3,272.36	3/4	2,914.35	3/4	2,556.15

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 3117"

1 STBD

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	2,548.69	0	2,190.48	0	1,832.27	0	1,474.06	0	1,115.85	0	758.13	0	404.59	0	89.51	0		0	
1/4	2,541.22	1/4	2,183.01	1/4	1,824.80	1/4	1,466.59	1/4	1,108.38	1/4	750.68	1/4	397.54	1/4	83.40	1/4		1/4	
1/2	2,533.76	1/2	2,175.55	1/2	1,817.34	1/2	1,459.13	1/2	1,100.92	1/2	743.21	1/2	390.56	1/2	77.37	1/2		1/2	
3/4	2,526.30	3/4	2,168.09	3/4	1,809.88	3/4	1,451.67	3/4	1,093.46	3/4	735.75	3/4	383.59	3/4	71.34	3/4		3/4	
1	2,518.83	1	2,160.63	1	1,802.42	1	1,444.21	1	1,086.00	1	728.29	1	376.62	1	65.31	1		1	
1/4	2,511.37	1/4	2,153.16	1/4	1,794.95	1/4	1,436.74	1/4	1,078.53	1/4	720.83	1/4	369.64	1/4	59.28	1/4		1/4	
1/2	2,503.91	1/2	2,145.70	1/2	1,787.49	1/2	1,429.28	1/2	1,071.07	1/2	713.36	1/2	362.74	1/2	53.80	1/2		1/2	
3/4	2,496.45	3/4	2,138.24	3/4	1,780.03	3/4	1,421.82	3/4	1,063.62	3/4	705.90	3/4	355.85	3/4	48.32	3/4		3/4	
2	2,488.98	2	2,130.77	2	1,772.56	2	1,414.36	2	1,056.16	2	698.44	2	348.95	2	42.83	2		2	
1/4	2,481.52	1/4	2,123.31	1/4	1,765.10	1/4	1,406.89	1/4	1,048.70	1/4	690.98	1/4	342.05	1/4	37.35	1/4		1/4	
1/2	2,474.06	1/2	2,115.85	1/2	1,757.64	1/2	1,399.43	1/2	1,041.24	1/2	683.51	1/2	335.22	1/2	33.35	1/2		1/2	
3/4	2,466.60	3/4	2,108.39	3/4	1,750.18	3/4	1,391.97	3/4	1,033.78	3/4	676.05	3/4	328.40	3/4	29.35	3/4		3/4	
3	2,459.13	3	2,100.92	3	1,742.71	3	1,384.50	3	1,026.33	3	668.59	3	321.57	3	25.35	3		3	
1/4	2,451.67	1/4	2,093.46	1/4	1,735.25	1/4	1,377.04	1/4	1,018.87	1/4	661.13	1/4	314.75	1/4	21.35	1/4		1/4	
1/2	2,444.21	1/2	2,086.00	1/2	1,727.79	1/2	1,369.58	1/2	1,011.42	1/2	653.66	1/2	308.00	1/2	18.43	1/2		1/2	
3/4	2,436.75	3/4	2,078.54	3/4	1,720.33	3/4	1,362.12	3/4	1,003.97	3/4	646.20	3/4	301.26	3/4		3/4		3/4	
4	2,429.28	4	2,071.07	4	1,712.86	4	1,354.65	4	996.51	4	638.74	4	294.51	4		4		4	
1/4	2,421.82	1/4	2,063.61	1/4	1,705.40	1/4	1,347.19	1/4	989.06	1/4	631.28	1/4	287.77	1/4		1/4		1/4	
1/2	2,414.36	1/2	2,056.15	1/2	1,697.94	1/2	1,339.73	1/2	981.61	1/2	623.81	1/2	281.10	1/2		1/2		1/2	
3/4	2,406.89	3/4	2,048.68	3/4	1,690.48	3/4	1,332.27	3/4	974.17	3/4	616.35	3/4	274.44	3/4		3/4		3/4	
5	2,399.43	5	2,041.22	5	1,683.01	5	1,324.80	5	966.72	5	608.89	5	267.77	5		5		5	
1/4	2,391.97	1/4	2,033.76	1/4	1,675.55	1/4	1,317.34	1/4	959.27	1/4	601.43	1/4	261.11	1/4		1/4		1/4	
1/2	2,384.51	1/2	2,026.30	1/2	1,668.09	1/2	1,309.88	1/2	951.82	1/2	593.96	1/2	254.53	1/2		1/2		1/2	
3/4	2,377.04	3/4	2,018.83	3/4	1,660.62	3/4	1,302.41	3/4	944.37	3/4	586.50	3/4	247.94	3/4		3/4		3/4	
6	2,369.58	6	2,011.37	6	1,653.16	6	1,294.95	6	936.92	6	579.04	6	241.36	6		6		6	
1/4	2,362.12	1/4	2,003.91	1/4	1,645.70	1/4	1,287.49	1/4	929.47	1/4	571.58	1/4	234.78	1/4		1/4		1/4	
1/2	2,354.66	1/2	1,996.45	1/2	1,638.24	1/2	1,280.03	1/2	922.02	1/2	564.14	1/2	228.27	1/2		1/2		1/2	
3/4	2,347.19	3/4	1,988.98	3/4	1,630.77	3/4	1,272.56	3/4	914.57	3/4	556.70	3/4	221.77	3/4		3/4		3/4	
7	2,339.73	7	1,981.52	7	1,623.31	7	1,265.10	7	907.13	7	549.27	7	215.27	7		7		7	
1/4	2,332.27	1/4	1,974.06	1/4	1,615.85	1/4	1,257.64	1/4	899.68	1/4	541.83	1/4	208.77	1/4		1/4		1/4	
1/2	2,324.80	1/2	1,966.60	1/2	1,608.39	1/2	1,250.18	1/2	892.23	1/2	534.46	1/2	202.35	1/2		1/2		1/2	
3/4	2,317.34	3/4	1,959.13	3/4	1,600.92	3/4	1,242.71	3/4	884.78	3/4	527.09	3/4	195.93	3/4		3/4		3/4	
8	2,309.88	8	1,951.67	8	1,593.46	8	1,235.25	8	877.33	8	519.72	8	189.51	8		8		8	
1/4	2,302.42	1/4	1,944.21	1/4	1,586.00	1/4	1,227.79	1/4	869.88	1/4	512.35	1/4	183.09	1/4		1/4		1/4	
1/2	2,294.95	1/2	1,936.74	1/2	1,578.53	1/2	1,220.33	1/2	862.43	1/2	505.05	1/2	176.74	1/2		1/2		1/2	
3/4	2,287.49	3/4	1,929.28	3/4	1,571.07	3/4	1,212.86	3/4	854.98	3/4	497.76	3/4	170.40	3/4		3/4		3/4	
9	2,280.03	9	1,921.82	9	1,563.61	9	1,205.40	9	847.54	9	490.46	9	164.05	9		9		9	
1/4	2,272.57	1/4	1,914.36	1/4	1,556.15	1/4	1,197.94	1/4	840.09	1/4	483.17	1/4	157.71	1/4		1/4		1/4	
1/2	2,265.10	1/2	1,906.89	1/2	1,548.68	1/2	1,190.47	1/2	832.64	1/2	475.95	1/2	151.43	1/2		1/2		1/2	
3/4	2,257.64	3/4	1,899.43	3/4	1,541.22	3/4	1,183.01	3/4	825.19	3/4	468.73	3/4	145.16	3/4		3/4		3/4	
10	2,250.18	10	1,891.97	10	1,533.76	10	1,175.55	10	817.74	10	461.52	10	138.89	10		10		10	
1/4	2,242.72	1/4	1,884.51	1/4	1,526.30	1/4	1,168.09	1/4	810.29	1/4	454.30	1/4	132.62	1/4		1/4		1/4	
1/2	2,235.25	1/2	1,877.04	1/2	1,518.83	1/2	1,160.62	1/2	802.84	1/2	447.16	1/2	126.42	1/2		1/2		1/2	
3/4	2,227.79	3/4	1,869.58	3/4	1,511.37	3/4	1,153.16	3/4	795.39	3/4	440.03	3/4	120.23	3/4		3/4		3/4	
11	2,220.33	11	1,862.12	11	1,503.91	11	1,145.70	11	787.95	11	432.89	11	114.04	11		11		11	
1/4	2,212.86	1/4	1,854.65	1/4	1,496.45	1/4	1,138.24	1/4	780.50	1/4	425.75	1/4	107.85	1/4		1/4		1/4	
1/2	2,205.40	1/2	1,847.19	1/2	1,488.98	1/2	1,130.77	1/2	773.04	1/2	418.70	1/2	101.74	1/2		1/2		1/2	
3/4	2,197.94	3/4	1,839.73	3/4	1,481.52	3/4	1,123.31	3/4	765.59	3/4	411.65	3/4	95.63	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/12/2014 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 3117"

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	4,771.36	0	4,413.82	0	4,055.01	0	3,696.12	0	3,337.24	0	2,978.35
1/4		1/4		1/4		1/4		1/4	4,763.94	1/4	4,406.37	1/4	4,047.53	1/4	3,688.65	1/4	3,329.76	1/4	2,970.87
1/2		1/2		1/2		1/2		1/2	4,756.53	1/2	4,398.91	1/2	4,040.06	1/2	3,681.17	1/2	3,322.28	1/2	2,963.39
3/4		3/4		3/4		3/4		3/4	4,749.11	3/4	4,391.44	3/4	4,032.58	3/4	3,673.69	3/4	3,314.81	3/4	2,955.91
1		1		1		1		1	4,741.70	1	4,383.97	1	4,025.10	1	3,666.22	1	3,307.33	1	2,948.43
1/4		1/4		1/4		1/4	5,078.58	1/4	4,734.28	1/4	4,376.51	1/4	4,017.63	1/4	3,658.74	1/4	3,299.85	1/4	2,940.95
1/2		1/2		1/2		1/2	5,073.84	1/2	4,726.86	1/2	4,369.04	1/2	4,010.15	1/2	3,651.26	1/2	3,292.38	1/2	2,933.46
3/4		3/4		3/4		3/4	5,068.02	3/4	4,719.43	3/4	4,361.56	3/4	4,002.67	3/4	3,643.79	3/4	3,284.90	3/4	2,925.98
2		2		2		2	5,062.20	2	4,711.99	2	4,354.08	2	3,995.20	2	3,636.31	2	3,277.42	2	2,918.50
1/4		1/4		1/4		1/4	5,056.39	1/4	4,704.56	1/4	4,346.60	1/4	3,987.72	1/4	3,628.83	1/4	3,269.95	1/4	2,911.02
1/2		1/2		1/2		1/2	5,050.57	1/2	4,697.12	1/2	4,339.13	1/2	3,980.24	1/2	3,621.36	1/2	3,262.47	1/2	2,903.54
3/4		3/4		3/4		3/4	5,043.75	3/4	4,689.67	3/4	4,331.65	3/4	3,972.76	3/4	3,613.88	3/4	3,254.99	3/4	2,896.06
3		3		3		3	5,036.93	3	4,682.21	3	4,324.17	3	3,965.29	3	3,606.40	3	3,247.52	3	2,888.58
1/4		1/4		1/4		1/4	5,030.11	1/4	4,674.76	1/4	4,316.70	1/4	3,957.81	1/4	3,598.92	1/4	3,240.04	1/4	2,881.10
1/2		1/2		1/2		1/2	5,023.29	1/2	4,667.30	1/2	4,309.22	1/2	3,950.33	1/2	3,591.45	1/2	3,232.56	1/2	2,873.62
3/4		3/4		3/4		3/4	5,015.94	3/4	4,659.85	3/4	4,301.74	3/4	3,942.86	3/4	3,583.97	3/4	3,225.08	3/4	2,866.14
4		4		4		4	5,008.59	4	4,652.39	4	4,294.27	4	3,935.38	4	3,576.49	4	3,217.61	4	2,858.66
1/4		1/4		1/4		1/4	5,001.23	1/4	4,644.94	1/4	4,286.79	1/4	3,927.90	1/4	3,569.02	1/4	3,210.13	1/4	2,851.18
1/2		1/2		1/2		1/2	4,993.88	1/2	4,637.48	1/2	4,279.31	1/2	3,920.43	1/2	3,561.54	1/2	3,202.65	1/2	2,843.69
3/4		3/4		3/4		3/4	4,986.46	3/4	4,630.03	3/4	4,271.84	3/4	3,912.95	3/4	3,554.06	3/4	3,195.18	3/4	2,836.21
5		5		5		5	4,979.04	5	4,622.57	5	4,264.36	5	3,905.47	5	3,546.59	5	3,187.70	5	2,828.73
1/4		1/4		1/4		1/4	4,971.62	1/4	4,615.12	1/4	4,256.88	1/4	3,898.00	1/4	3,539.11	1/4	3,180.22	1/4	2,821.25
1/2		1/2		1/2		1/2	4,964.20	1/2	4,607.66	1/2	4,249.41	1/2	3,890.52	1/2	3,531.63	1/2	3,172.75	1/2	2,813.77
3/4		3/4		3/4		3/4	4,956.78	3/4	4,600.20	3/4	4,241.93	3/4	3,883.04	3/4	3,524.16	3/4	3,165.27	3/4	2,806.29
6		6		6		6	4,949.36	6	4,592.75	6	4,234.45	6	3,875.57	6	3,516.68	6	3,157.79	6	2,798.81
1/4		1/4		1/4		1/4	4,941.94	1/4	4,585.29	1/4	4,226.98	1/4	3,868.09	1/4	3,509.20	1/4	3,150.32	1/4	2,791.33
1/2		1/2		1/2		1/2	4,934.52	1/2	4,577.84	1/2	4,219.50	1/2	3,860.61	1/2	3,501.73	1/2	3,142.84	1/2	2,783.85
3/4		3/4		3/4		3/4	4,927.10	3/4	4,570.38	3/4	4,212.02	3/4	3,853.14	3/4	3,494.25	3/4	3,135.36	3/4	2,776.37
7		7		7		7	4,919.68	7	4,562.93	7	4,204.55	7	3,845.66	7	3,486.77	7	3,127.89	7	2,768.89
1/4		1/4		1/4		1/4	4,912.26	1/4	4,555.47	1/4	4,197.07	1/4	3,838.18	1/4	3,479.30	1/4	3,120.41	1/4	2,761.40
1/2		1/2		1/2		1/2	4,904.84	1/2	4,548.02	1/2	4,189.59	1/2	3,830.71	1/2	3,471.82	1/2	3,112.93	1/2	2,753.92
3/4		3/4		3/4		3/4	4,897.43	3/4	4,540.56	3/4	4,182.12	3/4	3,823.23	3/4	3,464.34	3/4	3,105.46	3/4	2,746.44
8		8		8		8	4,890.01	8	4,533.11	8	4,174.64	8	3,815.75	8	3,456.87	8	3,097.98	8	2,738.96
1/4		1/4		1/4		1/4	4,882.59	1/4	4,525.65	1/4	4,167.16	1/4	3,808.28	1/4	3,449.39	1/4	3,090.50	1/4	2,731.48
1/2		1/2		1/2		1/2	4,875.18	1/2	4,518.20	1/2	4,159.68	1/2	3,800.80	1/2	3,441.91	1/2	3,083.03	1/2	2,724.00
3/4		3/4		3/4		3/4	4,867.76	3/4	4,510.74	3/4	4,152.21	3/4	3,793.32	3/4	3,434.44	3/4	3,075.55	3/4	2,716.52
9		9		9		9	4,860.35	9	4,503.29	9	4,144.73	9	3,785.84	9	3,426.96	9	3,068.07	9	2,709.04
1/4		1/4		1/4		1/4	4,852.93	1/4	4,495.83	1/4	4,137.25	1/4	3,778.37	1/4	3,419.48	1/4	3,060.60	1/4	2,701.56
1/2		1/2		1/2		1/2	4,845.51	1/2	4,488.38	1/2	4,129.78	1/2	3,770.89	1/2	3,412.00	1/2	3,053.12	1/2	2,694.08
3/4		3/4		3/4		3/4	4,838.10	3/4	4,480.92	3/4	4,122.30	3/4	3,763.41	3/4	3,404.53	3/4	3,045.64	3/4	2,686.60
10		10		10		10	4,830.68	10	4,473.47	10	4,114.82	10	3,755.94	10	3,397.05	10	3,038.16	10	2,679.11
1/4		1/4		1/4		1/4	4,823.27	1/4	4,466.01	1/4	4,107.35	1/4	3,748.46	1/4	3,389.57	1/4	3,030.69	1/4	2,671.63
1/2		1/2		1/2		1/2	4,815.85	1/2	4,458.56	1/2	4,099.87	1/2	3,740.98	1/2	3,382.10	1/2	3,023.21	1/2	2,664.15
3/4		3/4		3/4		3/4	4,808.44	3/4	4,451.10	3/4	4,092.39	3/4	3,733.51	3/4	3,374.62	3/4	3,015.73	3/4	2,656.67
11		11		11		11	4,801.02	11	4,443.65	11	4,084.92	11	3,726.03	11	3,367.14	11	3,008.26	11	2,649.19
1/4		1/4		1/4		1/4	4,793.60	1/4	4,436.19	1/4	4,077.44	1/4	3,718.55	1/4	3,359.67	1/4	3,000.78	1/4	2,641.71
1/2		1/2		1/2		1/2	4,786.19	1/2	4,428.74	1/2	4,069.96	1/2	3,711.08	1/2	3,352.19	1/2	2,993.30	1/2	2,634.23
3/4		3/4		3/4		3/4	4,778.77	3/4	4,421.28	3/4	4,062.49	3/4	3,703.60	3/4	3,344.71	3/4	2,985.83	3/4	2,626.75

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 3117"

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	2,619.27	0	2,260.18	0	1,901.10	0	1,542.02	0	1,183.22	0	837.90	0	479.13	0	120.06	0		0	
1/4	2,611.79	1/4	2,252.70	1/4	1,893.62	1/4	1,534.54	1/4	1,175.88	1/4	830.57	1/4	471.65	1/4	112.57	1/4		1/4	
1/2	2,604.31	1/2	2,245.22	1/2	1,886.14	1/2	1,527.06	1/2	1,168.54	1/2	823.24	1/2	464.17	1/2	105.09	1/2		1/2	
3/4	2,596.82	3/4	2,237.74	3/4	1,878.66	3/4	1,519.57	3/4	1,161.34	3/4	815.76	3/4	456.69	3/4	97.61	3/4		3/4	
1	2,589.34	1	2,230.26	1	1,871.18	1	1,512.09	1	1,154.14	1	808.28	1	449.21	1	90.13	1		1	
1/4	2,581.86	1/4	2,222.78	1/4	1,863.70	1/4	1,504.61	1/4	1,146.94	1/4	800.80	1/4	441.73	1/4	82.65	1/4		1/4	
1/2	2,574.38	1/2	2,215.30	1/2	1,856.22	1/2	1,497.13	1/2	1,139.74	1/2	793.32	1/2	434.24	1/2	75.17	1/2		1/2	
3/4	2,566.90	3/4	2,207.82	3/4	1,848.73	3/4	1,489.65	3/4	1,132.55	3/4	785.84	3/4	426.76	3/4	68.16	3/4		3/4	
2	2,559.42	2	2,200.34	2	1,841.25	2	1,482.17	2	1,125.36	2	778.36	2	419.28	2	61.15	2		2	
1/4	2,551.94	1/4	2,192.86	1/4	1,833.77	1/4	1,474.69	1/4	1,118.17	1/4	770.88	1/4	411.80	1/4	54.13	1/4		1/4	
1/2	2,544.46	1/2	2,185.37	1/2	1,826.29	1/2	1,467.21	1/2	1,110.98	1/2	763.40	1/2	404.32	1/2	47.12	1/2		1/2	
3/4	2,536.98	3/4	2,177.89	3/4	1,818.81	3/4	1,459.73	3/4	1,103.79	3/4	755.92	3/4	396.84	3/4	41.51	3/4		3/4	
3	2,529.50	3	2,170.41	3	1,811.33	3	1,452.25	3	1,096.61	3	748.43	3	389.36	3	35.90	3		3	
1/4	2,522.02	1/4	2,162.93	1/4	1,803.85	1/4	1,444.77	1/4	1,089.42	1/4	740.95	1/4	381.88	1/4	30.29	1/4		1/4	
1/2	2,514.53	1/2	2,155.45	1/2	1,796.37	1/2	1,437.28	1/2	1,082.24	1/2	733.47	1/2	374.40	1/2	24.68	1/2		1/2	
3/4	2,507.05	3/4	2,147.97	3/4	1,788.89	3/4	1,429.80	3/4	1,075.06	3/4	725.99	3/4	366.92	3/4	20.94	3/4		3/4	
4	2,499.57	4	2,140.49	4	1,781.41	4	1,422.32	4	1,067.88	4	718.51	4	359.44	4		4		4	
1/4	2,492.09	1/4	2,133.01	1/4	1,773.93	1/4	1,414.84	1/4	1,060.70	1/4	711.03	1/4	351.96	1/4		1/4		1/4	
1/2	2,484.61	1/2	2,125.53	1/2	1,766.44	1/2	1,407.36	1/2	1,053.52	1/2	703.55	1/2	344.48	1/2		1/2		1/2	
3/4	2,477.13	3/4	2,118.05	3/4	1,758.96	3/4	1,399.88	3/4	1,046.34	3/4	696.07	3/4	337.00	3/4		3/4		3/4	
5	2,469.65	5	2,110.57	5	1,751.48	5	1,392.40	5	1,039.16	5	688.59	5	329.52	5		5		5	
1/4	2,462.17	1/4	2,103.09	1/4	1,744.00	1/4	1,384.92	1/4	1,031.98	1/4	681.11	1/4	322.03	1/4		1/4		1/4	
1/2	2,454.69	1/2	2,095.60	1/2	1,736.52	1/2	1,377.44	1/2	1,024.81	1/2	673.63	1/2	314.55	1/2		1/2		1/2	
3/4	2,447.21	3/4	2,088.12	3/4	1,729.04	3/4	1,369.96	3/4	1,017.63	3/4	666.15	3/4	307.07	3/4		3/4		3/4	
6	2,439.73	6	2,080.64	6	1,721.56	6	1,362.48	6	1,010.45	6	658.67	6	299.59	6		6		6	
1/4	2,432.24	1/4	2,073.16	1/4	1,714.08	1/4	1,355.00	1/4	1,003.28	1/4	651.19	1/4	292.11	1/4		1/4		1/4	
1/2	2,424.76	1/2	2,065.68	1/2	1,706.60	1/2	1,347.51	1/2	996.10	1/2	643.70	1/2	284.63	1/2		1/2		1/2	
3/4	2,417.28	3/4	2,058.20	3/4	1,699.12	3/4	1,340.03	3/4	988.92	3/4	636.22	3/4	277.15	3/4		3/4		3/4	
7	2,409.80	7	2,050.72	7	1,691.64	7	1,332.55	7	981.74	7	628.74	7	269.67	7		7		7	
1/4	2,402.32	1/4	2,043.24	1/4	1,684.15	1/4	1,325.07	1/4	974.57	1/4	621.26	1/4	262.19	1/4		1/4		1/4	
1/2	2,394.84	1/2	2,035.76	1/2	1,676.67	1/2	1,317.59	1/2	967.39	1/2	613.78	1/2	254.71	1/2		1/2		1/2	
3/4	2,387.36	3/4	2,028.28	3/4	1,669.19	3/4	1,310.11	3/4	960.21	3/4	606.30	3/4	247.23	3/4		3/4		3/4	
8	2,379.88	8	2,020.80	8	1,661.71	8	1,302.63	8	953.04	8	598.82	8	239.75	8		8		8	
1/4	2,372.40	1/4	2,013.31	1/4	1,654.23	1/4	1,295.15	1/4	945.86	1/4	591.34	1/4	232.27	1/4		1/4		1/4	
1/2	2,364.92	1/2	2,005.83	1/2	1,646.75	1/2	1,287.67	1/2	938.68	1/2	583.86	1/2	224.79	1/2		1/2		1/2	
3/4	2,357.44	3/4	1,998.35	3/4	1,639.27	3/4	1,280.19	3/4	931.50	3/4	576.38	3/4	217.30	3/4		3/4		3/4	
9	2,349.95	9	1,990.87	9	1,631.79	9	1,272.71	9	924.33	9	568.90	9	209.82	9		9		9	
1/4	2,342.47	1/4	1,983.39	1/4	1,624.31	1/4	1,265.22	1/4	917.15	1/4	561.42	1/4	202.34	1/4		1/4		1/4	
1/2	2,334.99	1/2	1,975.91	1/2	1,616.83	1/2	1,257.74	1/2	909.97	1/2	553.94	1/2	194.86	1/2		1/2		1/2	
3/4	2,327.51	3/4	1,968.43	3/4	1,609.35	3/4	1,250.26	3/4	902.80	3/4	546.46	3/4	187.38	3/4		3/4		3/4	
10	2,320.03	10	1,960.95	10	1,601.86	10	1,242.78	10	895.62	10	538.97	10	179.90	10		10		10	
1/4	2,312.55	1/4	1,953.47	1/4	1,594.38	1/4	1,235.30	1/4	888.44	1/4	531.49	1/4	172.42	1/4		1/4		1/4	
1/2	2,305.07	1/2	1,945.99	1/2	1,586.90	1/2	1,227.82	1/2	881.26	1/2	524.01	1/2	164.94	1/2		1/2		1/2	
3/4	2,297.59	3/4	1,938.51	3/4	1,579.42	3/4	1,220.34	3/4	874.09	3/4	516.53	3/4	157.46	3/4		3/4		3/4	
11	2,290.11	11	1,931.02	11	1,571.94	11	1,212.86	11	866.91	11	509.05	11	149.98	11		11		11	
1/4	2,282.63	1/4	1,923.54	1/4	1,564.46	1/4	1,205.38	1/4	859.73	1/4	501.57	1/4	142.50	1/4		1/4		1/4	
1/2	2,275.15	1/2	1,916.06	1/2	1,556.98	1/2	1,197.90	1/2	852.55	1/2	494.09	1/2	135.02	1/2		1/2		1/2	
3/4	2,267.66	3/4	1,908.58	3/4	1,549.50	3/4	1,190.56	3/4	845.23	3/4	486.61	3/4	127.54	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/12/2014 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 3117"

2 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	4,771.56	0	4,413.87	0	4,054.94	0	3,695.96	0	3,336.98	0	2,978.00
1/4		1/4		1/4		1/4		1/4	4,764.14	1/4	4,406.40	1/4	4,047.46	1/4	3,688.48	1/4	3,329.50	1/4	2,970.51
1/2		1/2		1/2		1/2		1/2	4,756.73	1/2	4,398.93	1/2	4,039.98	1/2	3,681.00	1/2	3,322.02	1/2	2,963.03
3/4		3/4		3/4		3/4	5,093.69	3/4	4,749.31	3/4	4,391.47	3/4	4,032.50	3/4	3,673.52	3/4	3,314.54	3/4	2,955.55
1		1		1		1	5,088.94	1	4,741.89	1	4,384.00	1	4,025.02	1	3,666.04	1	3,307.07	1	2,948.06
1/4		1/4		1/4		1/4	5,083.12	1/4	4,734.46	1/4	4,376.52	1/4	4,017.54	1/4	3,658.57	1/4	3,299.59	1/4	2,940.58
1/2		1/2		1/2		1/2	5,077.30	1/2	4,727.02	1/2	4,369.04	1/2	4,010.06	1/2	3,651.09	1/2	3,292.11	1/2	2,933.10
3/4		3/4		3/4		3/4	5,071.48	3/4	4,719.58	3/4	4,361.56	3/4	4,002.59	3/4	3,643.61	3/4	3,284.63	3/4	2,925.62
2		2		2		2	5,065.67	2	4,712.15	2	4,354.08	2	3,995.11	2	3,636.13	2	3,277.15	2	2,918.13
1/4		1/4		1/4		1/4	5,058.85	1/4	4,704.69	1/4	4,346.61	1/4	3,987.63	1/4	3,628.65	1/4	3,269.67	1/4	2,910.65
1/2		1/2		1/2		1/2	5,052.03	1/2	4,697.23	1/2	4,339.13	1/2	3,980.15	1/2	3,621.17	1/2	3,262.19	1/2	2,903.17
3/4		3/4		3/4		3/4	5,045.21	3/4	4,689.77	3/4	4,331.65	3/4	3,972.67	3/4	3,613.69	3/4	3,254.72	3/4	2,895.69
3		3		3		3	5,038.39	3	4,682.32	3	4,324.17	3	3,965.19	3	3,606.21	3	3,247.24	3	2,888.20
1/4		1/4		1/4		1/4	5,031.03	1/4	4,674.86	1/4	4,316.69	1/4	3,957.71	1/4	3,598.74	1/4	3,239.76	1/4	2,880.72
1/2		1/2		1/2		1/2	5,023.68	1/2	4,667.40	1/2	4,309.21	1/2	3,950.23	1/2	3,591.26	1/2	3,232.28	1/2	2,873.24
3/4		3/4		3/4		3/4	5,016.32	3/4	4,659.95	3/4	4,301.73	3/4	3,942.76	3/4	3,583.78	3/4	3,224.80	3/4	2,865.75
4		4		4		4	5,008.97	4	4,652.49	4	4,294.25	4	3,935.28	4	3,576.30	4	3,217.32	4	2,858.27
1/4		1/4		1/4		1/4	5,001.55	1/4	4,645.03	1/4	4,286.78	1/4	3,927.80	1/4	3,568.82	1/4	3,209.84	1/4	2,850.79
1/2		1/2		1/2		1/2	4,994.12	1/2	4,637.58	1/2	4,279.30	1/2	3,920.32	1/2	3,561.34	1/2	3,202.36	1/2	2,843.31
3/4		3/4		3/4		3/4	4,986.70	3/4	4,630.12	3/4	4,271.82	3/4	3,912.84	3/4	3,553.86	3/4	3,194.89	3/4	2,835.82
5		5		5		5	4,979.28	5	4,622.66	5	4,264.34	5	3,905.36	5	3,546.38	5	3,187.41	5	2,828.34
1/4		1/4		1/4		1/4	4,971.86	1/4	4,615.20	1/4	4,256.86	1/4	3,897.88	1/4	3,538.91	1/4	3,179.93	1/4	2,820.86
1/2		1/2		1/2		1/2	4,964.44	1/2	4,607.75	1/2	4,249.38	1/2	3,890.40	1/2	3,531.43	1/2	3,172.45	1/2	2,813.38
3/4		3/4		3/4		3/4	4,957.02	3/4	4,600.29	3/4	4,241.90	3/4	3,882.93	3/4	3,523.95	3/4	3,164.97	3/4	2,805.89
6		6		6		6	4,949.60	6	4,592.83	6	4,234.43	6	3,875.45	6	3,516.47	6	3,157.49	6	2,798.41
1/4		1/4		1/4		1/4	4,942.18	1/4	4,585.38	1/4	4,226.95	1/4	3,867.97	1/4	3,508.99	1/4	3,150.01	1/4	2,790.93
1/2		1/2		1/2		1/2	4,934.76	1/2	4,577.92	1/2	4,219.47	1/2	3,860.49	1/2	3,501.51	1/2	3,142.53	1/2	2,783.45
3/4		3/4		3/4		3/4	4,927.33	3/4	4,570.46	3/4	4,211.99	3/4	3,853.01	3/4	3,494.03	3/4	3,135.06	3/4	2,775.96
7		7		7		7	4,919.91	7	4,563.01	7	4,204.51	7	3,845.53	7	3,486.56	7	3,127.58	7	2,768.48
1/4		1/4		1/4		1/4	4,912.49	1/4	4,555.55	1/4	4,197.03	1/4	3,838.05	1/4	3,479.08	1/4	3,120.10	1/4	2,761.00
1/2		1/2		1/2		1/2	4,905.07	1/2	4,548.09	1/2	4,189.55	1/2	3,830.58	1/2	3,471.60	1/2	3,112.62	1/2	2,753.51
3/4		3/4		3/4		3/4	4,897.66	3/4	4,540.63	3/4	4,182.07	3/4	3,823.10	3/4	3,464.12	3/4	3,105.14	3/4	2,746.03
8		8		8		8	4,890.24	8	4,533.18	8	4,174.60	8	3,815.62	8	3,456.64	8	3,097.66	8	2,738.55
1/4		1/4		1/4		1/4	4,882.82	1/4	4,525.72	1/4	4,167.12	1/4	3,808.14	1/4	3,449.16	1/4	3,090.18	1/4	2,731.07
1/2		1/2		1/2		1/2	4,875.40	1/2	4,518.26	1/2	4,159.64	1/2	3,800.66	1/2	3,441.68	1/2	3,082.71	1/2	2,723.58
3/4		3/4		3/4		3/4	4,867.98	3/4	4,510.81	3/4	4,152.16	3/4	3,793.18	3/4	3,434.20	3/4	3,075.23	3/4	2,716.10
9		9		9		9	4,860.57	9	4,503.35	9	4,144.68	9	3,785.70	9	3,426.73	9	3,067.75	9	2,708.62
1/4		1/4		1/4		1/4	4,853.15	1/4	4,495.89	1/4	4,137.20	1/4	3,778.22	1/4	3,419.25	1/4	3,060.27	1/4	2,701.14
1/2		1/2		1/2		1/2	4,845.73	1/2	4,488.44	1/2	4,129.72	1/2	3,770.75	1/2	3,411.77	1/2	3,052.79	1/2	2,693.65
3/4		3/4		3/4		3/4	4,838.32	3/4	4,480.98	3/4	4,122.24	3/4	3,763.27	3/4	3,404.29	3/4	3,045.31	3/4	2,686.17
10		10		10		10	4,830.90	10	4,473.52	10	4,114.77	10	3,755.79	10	3,396.81	10	3,037.83	10	2,678.69
1/4		1/4		1/4		1/4	4,823.48	1/4	4,466.06	1/4	4,107.29	1/4	3,748.31	1/4	3,389.33	1/4	3,030.35	1/4	2,671.20
1/2		1/2		1/2		1/2	4,816.06	1/2	4,458.61	1/2	4,099.81	1/2	3,740.83	1/2	3,381.85	1/2	3,022.88	1/2	2,663.72
3/4		3/4		3/4		3/4	4,808.65	3/4	4,451.15	3/4	4,092.33	3/4	3,733.35	3/4	3,374.37	3/4	3,015.40	3/4	2,656.24
11		11		11		11	4,801.23	11	4,443.69	11	4,084.85	11	3,725.87	11	3,366.90	11	3,007.92	11	2,648.76
1/4		1/4		1/4		1/4	4,793.81	1/4	4,436.24	1/4	4,077.37	1/4	3,718.39	1/4	3,359.42	1/4	3,000.44	1/4	2,641.27
1/2		1/2		1/2		1/2	4,786.40	1/2	4,428.78	1/2	4,069.89	1/2	3,710.92	1/2	3,351.94	1/2	2,992.96	1/2	2,633.79
3/4		3/4		3/4		3/4	4,778.98	3/4	4,421.32	3/4	4,062.41	3/4	3,703.44	3/4	3,344.46	3/4	2,985.48	3/4	2,626.31

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 3117"

2 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,618.83	0	2,259.66	0	1,900.49	0	1,541.32	0	1,182.15	0	823.44	0	464.28	0	105.12	0		0	
1/4	2,611.34	1/4	2,252.17	1/4	1,893.00	1/4	1,533.83	1/4	1,174.66	1/4	815.96	1/4	456.80	1/4	97.64	1/4		1/4	
1/2	2,603.86	1/2	2,244.69	1/2	1,885.52	1/2	1,526.35	1/2	1,167.18	1/2	808.48	1/2	449.32	1/2	90.16	1/2		1/2	
3/4	2,596.38	3/4	2,237.21	3/4	1,878.04	3/4	1,518.87	3/4	1,159.70	3/4	800.99	3/4	441.83	3/4	82.67	3/4		3/4	
1	2,588.89	1	2,229.73	1	1,870.56	1	1,511.39	1	1,152.22	1	793.51	1	434.35	1	75.19	1		1	
1/4	2,581.41	1/4	2,222.24	1/4	1,863.07	1/4	1,503.90	1/4	1,144.74	1/4	786.03	1/4	426.87	1/4	68.18	1/4		1/4	
1/2	2,573.93	1/2	2,214.76	1/2	1,855.59	1/2	1,496.42	1/2	1,137.26	1/2	778.55	1/2	419.39	1/2	61.16	1/2		1/2	
3/4	2,566.45	3/4	2,207.28	3/4	1,848.11	3/4	1,488.94	3/4	1,129.78	3/4	771.06	3/4	411.90	3/4	54.15	3/4		3/4	
2	2,558.96	2	2,199.79	2	1,840.62	2	1,481.46	2	1,122.30	2	763.58	2	404.42	2	47.13	2		2	
1/4	2,551.48	1/4	2,192.31	1/4	1,833.14	1/4	1,473.97	1/4	1,114.82	1/4	756.10	1/4	396.94	1/4	41.52	1/4		1/4	
1/2	2,544.00	1/2	2,184.83	1/2	1,825.66	1/2	1,466.49	1/2	1,107.34	1/2	748.62	1/2	389.46	1/2	35.91	1/2		1/2	
3/4	2,536.52	3/4	2,177.35	3/4	1,818.18	3/4	1,459.01	3/4	1,099.87	3/4	741.13	3/4	381.97	3/4	30.30	3/4		3/4	
3	2,529.03	3	2,169.86	3	1,810.69	3	1,451.52	3	1,092.39	3	733.65	3	374.49	3	24.68	3		3	
1/4	2,521.55	1/4	2,162.38	1/4	1,803.21	1/4	1,444.04	1/4	1,084.91	1/4	726.17	1/4	367.01	1/4	20.94	1/4		1/4	
1/2	2,514.07	1/2	2,154.90	1/2	1,795.73	1/2	1,436.56	1/2	1,077.44	1/2	718.69	1/2	359.53	1/2		1/2		1/2	
3/4	2,506.59	3/4	2,147.42	3/4	1,788.25	3/4	1,429.08	3/4	1,069.97	3/4	711.20	3/4	352.04	3/4		3/4		3/4	
4	2,499.10	4	2,139.93	4	1,780.76	4	1,421.59	4	1,062.49	4	703.72	4	344.56	4		4		4	
1/4	2,491.62	1/4	2,132.45	1/4	1,773.28	1/4	1,414.11	1/4	1,055.02	1/4	696.24	1/4	337.08	1/4		1/4		1/4	
1/2	2,484.14	1/2	2,124.97	1/2	1,765.80	1/2	1,406.63	1/2	1,047.55	1/2	688.76	1/2	329.60	1/2		1/2		1/2	
3/4	2,476.65	3/4	2,117.48	3/4	1,758.32	3/4	1,399.15	3/4	1,040.08	3/4	681.27	3/4	322.11	3/4		3/4		3/4	
5	2,469.17	5	2,110.00	5	1,750.83	5	1,391.66	5	1,032.61	5	673.79	5	314.63	5		5		5	
1/4	2,461.69	1/4	2,102.52	1/4	1,743.35	1/4	1,384.18	1/4	1,025.15	1/4	666.31	1/4	307.15	1/4		1/4		1/4	
1/2	2,454.21	1/2	2,095.04	1/2	1,735.87	1/2	1,376.70	1/2	1,017.68	1/2	658.83	1/2	299.67	1/2		1/2		1/2	
3/4	2,446.72	3/4	2,087.55	3/4	1,728.38	3/4	1,369.21	3/4	1,010.21	3/4	651.34	3/4	292.18	3/4		3/4		3/4	
6	2,439.24	6	2,080.07	6	1,720.90	6	1,361.73	6	1,002.74	6	643.86	6	284.70	6		6		6	
1/4	2,431.76	1/4	2,072.59	1/4	1,713.42	1/4	1,354.25	1/4	995.27	1/4	636.38	1/4	277.22	1/4		1/4		1/4	
1/2	2,424.28	1/2	2,065.11	1/2	1,705.94	1/2	1,346.77	1/2	987.80	1/2	628.90	1/2	269.74	1/2		1/2		1/2	
3/4	2,416.79	3/4	2,057.62	3/4	1,698.45	3/4	1,339.28	3/4	980.33	3/4	621.41	3/4	262.25	3/4		3/4		3/4	
7	2,409.31	7	2,050.14	7	1,690.97	7	1,331.80	7	972.86	7	613.93	7	254.77	7		7		7	
1/4	2,401.83	1/4	2,042.66	1/4	1,683.49	1/4	1,324.32	1/4	965.39	1/4	606.45	1/4	247.29	1/4		1/4		1/4	
1/2	2,394.34	1/2	2,035.18	1/2	1,676.01	1/2	1,316.84	1/2	957.92	1/2	598.97	1/2	239.81	1/2		1/2		1/2	
3/4	2,386.86	3/4	2,027.69	3/4	1,668.52	3/4	1,309.35	3/4	950.45	3/4	591.48	3/4	232.32	3/4		3/4		3/4	
8	2,379.38	8	2,020.21	8	1,661.04	8	1,301.87	8	942.98	8	584.00	8	224.84	8		8		8	
1/4	2,371.90	1/4	2,012.73	1/4	1,653.56	1/4	1,294.39	1/4	935.51	1/4	576.52	1/4	217.36	1/4		1/4		1/4	
1/2	2,364.41	1/2	2,005.24	1/2	1,646.07	1/2	1,286.91	1/2	928.04	1/2	569.04	1/2	209.88	1/2		1/2		1/2	
3/4	2,356.93	3/4	1,997.76	3/4	1,638.59	3/4	1,279.42	3/4	920.57	3/4	561.55	3/4	202.39	3/4		3/4		3/4	
9	2,349.45	9	1,990.28	9	1,631.11	9	1,271.94	9	913.10	9	554.07	9	194.91	9		9		9	
1/4	2,341.97	1/4	1,982.80	1/4	1,623.63	1/4	1,264.46	1/4	905.63	1/4	546.59	1/4	187.43	1/4		1/4		1/4	
1/2	2,334.48	1/2	1,975.31	1/2	1,616.14	1/2	1,256.97	1/2	898.16	1/2	539.11	1/2	179.95	1/2		1/2		1/2	
3/4	2,327.00	3/4	1,967.83	3/4	1,608.66	3/4	1,249.49	3/4	890.69	3/4	531.62	3/4	172.46	3/4		3/4		3/4	
10	2,319.52	10	1,960.35	10	1,601.18	10	1,242.01	10	883.22	10	524.14	10	164.98	10		10		10	
1/4	2,312.04	1/4	1,952.87	1/4	1,593.70	1/4	1,234.53	1/4	875.75	1/4	516.66	1/4	157.50	1/4		1/4		1/4	
1/2	2,304.55	1/2	1,945.38	1/2	1,586.21	1/2	1,227.04	1/2	868.28	1/2	509.18	1/2	150.02	1/2		1/2		1/2	
3/4	2,297.07	3/4	1,937.90	3/4	1,578.73	3/4	1,219.56	3/4	860.81	3/4	501.69	3/4	142.53	3/4		3/4		3/4	
11	2,289.59	11	1,930.42	11	1,571.25	11	1,212.08	11	853.34	11	494.21	11	135.05	11		11		11	
1/4	2,282.10	1/4	1,922.93	1/4	1,563.77	1/4	1,204.60	1/4	845.87	1/4	486.73	1/4	127.57	1/4		1/4		1/4	
1/2	2,274.62	1/2	1,915.45	1/2	1,556.28	1/2	1,197.11	1/2	838.39	1/2	479.25	1/2	120.09	1/2		1/2		1/2	
3/4	2,267.14	3/4	1,907.97	3/4	1,548.80	3/4	1,189.63	3/4	830.92	3/4	471.76	3/4	112.60	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/12/2014 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
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http://www.pmacorp.net

BARGE "HTCO 3117"

3 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	4,373.59	0	4,127.12	0	3,879.82	0	3,632.48	0	3,303.70	0	2,947.13
1/4		1/4		1/4		1/4		1/4	4,368.48	1/4	4,121.97	1/4	3,874.66	1/4	3,627.33	1/4	3,296.29	1/4	2,939.69
1/2		1/2		1/2		1/2		1/2	4,363.37	1/2	4,116.83	1/2	3,869.51	1/2	3,622.18	1/2	3,288.88	1/2	2,932.26
3/4		3/4		3/4		3/4	4,591.94	3/4	4,358.26	3/4	4,111.68	3/4	3,864.36	3/4	3,617.02	3/4	3,281.47	3/4	2,924.83
1		1		1		1	4,589.49	1	4,353.15	1	4,106.54	1	3,859.21	1	3,611.87	1	3,274.06	1	2,917.39
1/4		1/4		1/4		1/4	4,585.97	1/4	4,348.02	1/4	4,101.39	1/4	3,854.05	1/4	3,606.72	1/4	3,266.64	1/4	2,909.96
1/2		1/2		1/2		1/2	4,582.46	1/2	4,342.90	1/2	4,096.23	1/2	3,848.90	1/2	3,601.57	1/2	3,259.22	1/2	2,902.52
3/4		3/4		3/4		3/4	4,578.94	3/4	4,337.77	3/4	4,091.08	3/4	3,843.75	3/4	3,596.41	3/4	3,251.80	3/4	2,895.09
2		2		2		2	4,575.42	2	4,332.65	2	4,085.93	2	3,838.59	2	3,591.26	2	3,244.38	2	2,887.66
1/4		1/4		1/4		1/4	4,570.91	1/4	4,327.51	1/4	4,080.78	1/4	3,833.44	1/4	3,585.53	1/4	3,236.94	1/4	2,880.22
1/2		1/2		1/2		1/2	4,566.40	1/2	4,322.37	1/2	4,075.62	1/2	3,828.29	1/2	3,579.80	1/2	3,229.51	1/2	2,872.79
3/4		3/4		3/4		3/4	4,561.88	3/4	4,317.23	3/4	4,070.47	3/4	3,823.14	3/4	3,574.08	3/4	3,222.08	3/4	2,865.36
3		3		3		3	4,557.37	3	4,312.09	3	4,065.32	3	3,817.98	3	3,568.35	3	3,214.65	3	2,857.92
1/4		1/4		1/4		1/4	4,552.32	1/4	4,306.96	1/4	4,060.16	1/4	3,812.83	1/4	3,561.49	1/4	3,207.22	1/4	2,850.49
1/2		1/2		1/2		1/2	4,547.27	1/2	4,301.82	1/2	4,055.01	1/2	3,807.68	1/2	3,554.63	1/2	3,199.79	1/2	2,843.05
3/4		3/4		3/4		3/4	4,542.23	3/4	4,296.68	3/4	4,049.86	3/4	3,802.52	3/4	3,547.76	3/4	3,192.36	3/4	2,835.62
4		4		4		4	4,537.18	4	4,291.54	4	4,044.71	4	3,797.37	4	3,540.90	4	3,184.93	4	2,828.19
1/4		1/4		1/4		1/4	4,532.07	1/4	4,286.40	1/4	4,039.55	1/4	3,792.22	1/4	3,533.48	1/4	3,177.50	1/4	2,820.75
1/2		1/2		1/2		1/2	4,526.95	1/2	4,281.27	1/2	4,034.40	1/2	3,787.07	1/2	3,526.06	1/2	3,170.06	1/2	2,813.32
3/4		3/4		3/4		3/4	4,521.84	3/4	4,276.13	3/4	4,029.25	3/4	3,781.91	3/4	3,518.64	3/4	3,162.63	3/4	2,805.89
5		5		5		5	4,516.72	5	4,270.99	5	4,024.09	5	3,776.76	5	3,511.21	5	3,155.20	5	2,798.45
1/4		1/4		1/4		1/4	4,511.61	1/4	4,265.85	1/4	4,018.94	1/4	3,771.61	1/4	3,503.80	1/4	3,147.77	1/4	2,791.02
1/2		1/2		1/2		1/2	4,506.50	1/2	4,260.71	1/2	4,013.79	1/2	3,766.45	1/2	3,496.38	1/2	3,140.34	1/2	2,783.58
3/4		3/4		3/4		3/4	4,501.38	3/4	4,255.57	3/4	4,008.64	3/4	3,761.30	3/4	3,488.97	3/4	3,132.91	3/4	2,776.15
6		6		6		6	4,496.27	6	4,250.44	6	4,003.48	6	3,756.15	6	3,481.55	6	3,125.48	6	2,768.72
1/4		1/4		1/4		1/4	4,491.16	1/4	4,245.30	1/4	3,998.33	1/4	3,751.00	1/4	3,474.14	1/4	3,118.05	1/4	2,761.28
1/2		1/2		1/2		1/2	4,486.04	1/2	4,240.16	1/2	3,993.18	1/2	3,745.84	1/2	3,466.73	1/2	3,110.62	1/2	2,753.85
3/4		3/4		3/4		3/4	4,480.93	3/4	4,235.02	3/4	3,988.03	3/4	3,740.69	3/4	3,459.32	3/4	3,103.18	3/4	2,746.41
7		7		7		7	4,475.82	7	4,229.88	7	3,982.87	7	3,735.54	7	3,451.91	7	3,095.75	7	2,738.98
1/4		1/4		1/4		1/4	4,470.70	1/4	4,224.75	1/4	3,977.72	1/4	3,730.39	1/4	3,444.50	1/4	3,088.32	1/4	2,731.55
1/2		1/2		1/2		1/2	4,465.59	1/2	4,219.61	1/2	3,972.57	1/2	3,725.23	1/2	3,437.09	1/2	3,080.89	1/2	2,724.11
3/4		3/4		3/4		3/4	4,460.48	3/4	4,214.47	3/4	3,967.41	3/4	3,720.08	3/4	3,429.68	3/4	3,073.46	3/4	2,716.68
8		8		8		8	4,455.37	8	4,209.33	8	3,962.26	8	3,714.93	8	3,422.27	8	3,066.03	8	2,709.25
1/4		1/4		1/4		1/4	4,450.26	1/4	4,204.19	1/4	3,957.11	1/4	3,709.77	1/4	3,414.86	1/4	3,058.60	1/4	2,701.81
1/2		1/2		1/2		1/2	4,445.15	1/2	4,199.05	1/2	3,951.96	1/2	3,704.62	1/2	3,407.45	1/2	3,051.17	1/2	2,694.38
3/4		3/4		3/4		3/4	4,440.03	3/4	4,193.92	3/4	3,946.80	3/4	3,699.47	3/4	3,400.04	3/4	3,043.74	3/4	2,686.94
9		9		9		9	4,434.92	9	4,188.78	9	3,941.65	9	3,694.32	9	3,392.63	9	3,036.30	9	2,679.51
1/4		1/4		1/4		1/4	4,429.81	1/4	4,183.64	1/4	3,936.50	1/4	3,689.16	1/4	3,385.21	1/4	3,028.87	1/4	2,672.08
1/2		1/2		1/2		1/2	4,424.70	1/2	4,178.50	1/2	3,931.34	1/2	3,684.01	1/2	3,377.80	1/2	3,021.44	1/2	2,664.64
3/4		3/4		3/4		3/4	4,419.59	3/4	4,173.36	3/4	3,926.19	3/4	3,678.86	3/4	3,370.39	3/4	3,014.01	3/4	2,657.21
10		10		10		10	4,414.48	10	4,168.22	10	3,921.04	10	3,673.70	10	3,362.98	10	3,006.58	10	2,649.78
1/4		1/4		1/4		1/4	4,409.37	1/4	4,163.09	1/4	3,915.89	1/4	3,668.55	1/4	3,355.57	1/4	2,999.15	1/4	2,642.34
1/2		1/2		1/2		1/2	4,404.26	1/2	4,157.95	1/2	3,910.73	1/2	3,663.40	1/2	3,348.16	1/2	2,991.72	1/2	2,634.91
3/4		3/4		3/4		3/4	4,399.15	3/4	4,152.81	3/4	3,905.58	3/4	3,658.25	3/4	3,340.75	3/4	2,984.29	3/4	2,627.47
11		11		11		11	4,394.04	11	4,147.67	11	3,900.43	11	3,653.09	11	3,333.34	11	2,976.86	11	2,620.04
1/4		1/4		1/4		1/4	4,388.93	1/4	4,142.53	1/4	3,895.27	1/4	3,647.94	1/4	3,325.93	1/4	2,969.42	1/4	2,612.60
1/2		1/2		1/2		1/2	4,383.81	1/2	4,137.40	1/2	3,890.12	1/2	3,642.79	1/2	3,318.52	1/2	2,961.99	1/2	2,605.17
3/4		3/4		3/4		3/4	4,378.70	3/4	4,132.26	3/4	3,884.97	3/4	3,637.63	3/4	3,311.11	3/4	2,954.56	3/4	2,597.73

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 3117"

3 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,590.29	0	2,234.48	0	1,880.19	0	1,523.02	0	1,166.27	0	819.49	0	462.11	0	104.76	0		0	
1/4	2,582.85	1/4	2,227.10	1/4	1,872.75	1/4	1,515.58	1/4	1,159.04	1/4	812.04	1/4	454.67	1/4	97.30	1/4		1/4	
1/2	2,575.41	1/2	2,219.72	1/2	1,865.31	1/2	1,508.14	1/2	1,151.81	1/2	804.60	1/2	447.23	1/2	89.85	1/2		1/2	
3/4	2,567.97	3/4	2,212.34	3/4	1,857.87	3/4	1,500.70	3/4	1,144.58	3/4	797.15	3/4	439.78	3/4	82.39	3/4		3/4	
1	2,560.53	1	2,204.96	1	1,850.43	1	1,493.26	1	1,137.35	1	789.71	1	432.34	1	74.94	1		1	
1/4	2,553.09	1/4	2,197.59	1/4	1,842.99	1/4	1,485.81	1/4	1,130.12	1/4	782.26	1/4	424.89	1/4	67.95	1/4		1/4	
1/2	2,545.64	1/2	2,190.21	1/2	1,835.55	1/2	1,478.37	1/2	1,122.90	1/2	774.81	1/2	417.45	1/2	60.95	1/2		1/2	
3/4	2,538.20	3/4	2,182.83	3/4	1,828.11	3/4	1,470.93	3/4	1,115.67	3/4	767.37	3/4	410.01	3/4	53.96	3/4		3/4	
2	2,530.76	2	2,175.45	2	1,820.66	2	1,463.49	2	1,108.45	2	759.92	2	402.56	2	46.97	2		2	
1/4	2,523.32	1/4	2,168.07	1/4	1,813.22	1/4	1,456.05	1/4	1,101.23	1/4	752.48	1/4	395.12	1/4	41.38	1/4		1/4	
1/2	2,515.88	1/2	2,160.69	1/2	1,805.78	1/2	1,448.61	1/2	1,094.01	1/2	745.03	1/2	387.67	1/2	35.79	1/2		1/2	
3/4	2,508.44	3/4	2,153.32	3/4	1,798.34	3/4	1,441.17	3/4	1,086.79	3/4	737.59	3/4	380.23	3/4	30.19	3/4		3/4	
3	2,501.00	3	2,145.94	3	1,790.90	3	1,433.73	3	1,079.57	3	730.14	3	372.79	3	24.60	3		3	
1/4	2,493.58	1/4	2,138.56	1/4	1,783.46	1/4	1,426.29	1/4	1,072.36	1/4	722.70	1/4	365.34	1/4	20.87	1/4		1/4	
1/2	2,486.15	1/2	2,131.18	1/2	1,776.02	1/2	1,418.84	1/2	1,065.14	1/2	715.25	1/2	357.90	1/2		1/2		1/2	
3/4	2,478.73	3/4	2,123.80	3/4	1,768.58	3/4	1,411.40	3/4	1,057.93	3/4	707.81	3/4	350.45	3/4		3/4		3/4	
4	2,471.31	4	2,116.42	4	1,761.14	4	1,403.96	4	1,050.71	4	700.36	4	343.01	4		4		4	
1/4	2,463.91	1/4	2,109.05	1/4	1,753.69	1/4	1,396.52	1/4	1,043.50	1/4	692.92	1/4	335.57	1/4		1/4		1/4	
1/2	2,456.51	1/2	2,101.67	1/2	1,746.25	1/2	1,389.08	1/2	1,036.29	1/2	685.47	1/2	328.12	1/2		1/2		1/2	
3/4	2,449.10	3/4	2,094.29	3/4	1,738.81	3/4	1,381.64	3/4	1,029.08	3/4	678.03	3/4	320.68	3/4		3/4		3/4	
5	2,441.70	5	2,086.91	5	1,731.37	5	1,374.20	5	1,021.87	5	670.58	5	313.23	5		5		5	
1/4	2,434.30	1/4	2,079.53	1/4	1,723.93	1/4	1,366.76	1/4	1,014.66	1/4	663.14	1/4	305.79	1/4		1/4		1/4	
1/2	2,426.89	1/2	2,072.16	1/2	1,716.49	1/2	1,359.32	1/2	1,007.44	1/2	655.69	1/2	298.35	1/2		1/2		1/2	
3/4	2,419.49	3/4	2,064.78	3/4	1,709.05	3/4	1,351.87	3/4	1,000.23	3/4	648.24	3/4	290.90	3/4		3/4		3/4	
6	2,412.09	6	2,057.40	6	1,701.61	6	1,344.43	6	993.02	6	640.80	6	283.46	6		6		6	
1/4	2,404.69	1/4	2,050.02	1/4	1,694.17	1/4	1,336.99	1/4	985.81	1/4	633.35	1/4	276.01	1/4		1/4		1/4	
1/2	2,397.28	1/2	2,042.64	1/2	1,686.72	1/2	1,329.55	1/2	978.60	1/2	625.91	1/2	268.57	1/2		1/2		1/2	
3/4	2,389.88	3/4	2,035.26	3/4	1,679.28	3/4	1,322.11	3/4	971.39	3/4	618.46	3/4	261.13	3/4		3/4		3/4	
7	2,382.48	7	2,027.89	7	1,671.84	7	1,314.67	7	964.18	7	611.02	7	253.68	7		7		7	
1/4	2,375.08	1/4	2,020.51	1/4	1,664.40	1/4	1,307.23	1/4	956.97	1/4	603.57	1/4	246.24	1/4		1/4		1/4	
1/2	2,367.67	1/2	2,013.13	1/2	1,656.96	1/2	1,299.79	1/2	949.76	1/2	596.13	1/2	238.79	1/2		1/2		1/2	
3/4	2,360.27	3/4	2,005.75	3/4	1,649.52	3/4	1,292.35	3/4	942.54	3/4	588.68	3/4	231.35	3/4		3/4		3/4	
8	2,352.87	8	1,998.37	8	1,642.08	8	1,284.90	8	935.33	8	581.24	8	223.90	8		8		8	
1/4	2,345.47	1/4	1,991.00	1/4	1,634.64	1/4	1,277.46	1/4	928.12	1/4	573.79	1/4	216.46	1/4		1/4		1/4	
1/2	2,338.06	1/2	1,983.62	1/2	1,627.20	1/2	1,270.02	1/2	920.91	1/2	566.35	1/2	209.01	1/2		1/2		1/2	
3/4	2,330.66	3/4	1,976.24	3/4	1,619.75	3/4	1,262.58	3/4	913.70	3/4	558.90	3/4	201.57	3/4		3/4		3/4	
9	2,323.26	9	1,968.86	9	1,612.31	9	1,255.14	9	906.49	9	551.46	9	194.12	9		9		9	
1/4	2,315.86	1/4	1,961.48	1/4	1,604.87	1/4	1,247.70	1/4	899.28	1/4	544.01	1/4	186.68	1/4		1/4		1/4	
1/2	2,308.45	1/2	1,954.10	1/2	1,597.43	1/2	1,240.26	1/2	892.07	1/2	536.57	1/2	179.23	1/2		1/2		1/2	
3/4	2,301.05	3/4	1,946.73	3/4	1,589.99	3/4	1,232.82	3/4	884.86	3/4	529.12	3/4	171.79	3/4		3/4		3/4	
10	2,293.65	10	1,939.35	10	1,582.55	10	1,225.38	10	877.64	10	521.67	10	164.34	10		10		10	
1/4	2,286.25	1/4	1,931.97	1/4	1,575.11	1/4	1,217.93	1/4	870.43	1/4	514.23	1/4	156.89	1/4		1/4		1/4	
1/2	2,278.84	1/2	1,924.59	1/2	1,567.67	1/2	1,210.49	1/2	863.22	1/2	506.78	1/2	149.45	1/2		1/2		1/2	
3/4	2,271.44	3/4	1,917.21	3/4	1,560.23	3/4	1,203.05	3/4	856.01	3/4	499.34	3/4	142.00	3/4		3/4		3/4	
11	2,264.04	11	1,909.84	11	1,552.78	11	1,195.61	11	848.80	11	491.89	11	134.55	11		11		11	
1/4	2,256.65	1/4	1,902.42	1/4	1,545.34	1/4	1,188.28	1/4	841.47	1/4	484.45	1/4	127.10	1/4		1/4		1/4	
1/2	2,249.26	1/2	1,895.01	1/2	1,537.90	1/2	1,180.94	1/2	834.14	1/2	477.00	1/2	119.65	1/2		1/2		1/2	
3/4	2,241.87	3/4	1,887.60	3/4	1,530.46	3/4	1,173.60	3/4	826.81	3/4	469.56	3/4	112.20	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/12/2014 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 3117"

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	4,401.59	0	4,155.01	0	3,907.59	0	3,660.13	0	3,333.07	0	2,975.65
1/4		1/4		1/4		1/4		1/4	4,396.47	1/4	4,149.87	1/4	3,902.44	1/4	3,654.98	1/4	3,325.64	1/4	2,968.20
1/2		1/2		1/2		1/2		1/2	4,391.36	1/2	4,144.72	1/2	3,897.28	1/2	3,649.82	1/2	3,318.21	1/2	2,960.74
3/4		3/4		3/4		3/4		3/4	4,386.25	3/4	4,139.57	3/4	3,892.13	3/4	3,644.67	3/4	3,310.78	3/4	2,953.29
1		1		1		1	4,614.94	1	4,381.13	1	4,134.43	1	3,886.97	1	3,639.51	1	3,303.35	1	2,945.84
1/4		1/4		1/4		1/4	4,612.49	1/4	4,376.02	1/4	4,129.28	1/4	3,881.82	1/4	3,634.36	1/4	3,295.93	1/4	2,938.39
1/2		1/2		1/2		1/2	4,608.97	1/2	4,370.89	1/2	4,124.12	1/2	3,876.66	1/2	3,629.20	1/2	3,288.49	1/2	2,930.94
3/4		3/4		3/4		3/4	4,605.45	3/4	4,365.77	3/4	4,118.97	3/4	3,871.51	3/4	3,624.05	3/4	3,281.05	3/4	2,923.48
2		2		2		2	4,601.93	2	4,360.64	2	4,113.81	2	3,866.35	2	3,618.89	2	3,273.61	2	2,916.03
1/4		1/4		1/4		1/4	4,598.42	1/4	4,355.51	1/4	4,108.65	1/4	3,861.20	1/4	3,613.74	1/4	3,266.17	1/4	2,908.58
1/2		1/2		1/2		1/2	4,593.90	1/2	4,350.37	1/2	4,103.50	1/2	3,856.04	1/2	3,608.01	1/2	3,258.72	1/2	2,901.13
3/4		3/4		3/4		3/4	4,589.38	3/4	4,345.23	3/4	4,098.34	3/4	3,850.88	3/4	3,602.28	3/4	3,251.27	3/4	2,893.68
3		3		3		3	4,584.86	3	4,340.09	3	4,093.19	3	3,845.73	3	3,596.55	3	3,243.82	3	2,886.23
1/4		1/4		1/4		1/4	4,580.35	1/4	4,334.95	1/4	4,088.03	1/4	3,840.57	1/4	3,590.82	1/4	3,236.37	1/4	2,878.77
1/2		1/2		1/2		1/2	4,575.30	1/2	4,329.81	1/2	4,082.88	1/2	3,835.42	1/2	3,583.95	1/2	3,228.92	1/2	2,871.32
3/4		3/4		3/4		3/4	4,570.25	3/4	4,324.67	3/4	4,077.72	3/4	3,830.26	3/4	3,577.08	3/4	3,221.47	3/4	2,863.87
4		4		4		4	4,565.20	4	4,319.53	4	4,072.57	4	3,825.11	4	3,570.22	4	3,214.02	4	2,856.42
1/4		1/4		1/4		1/4	4,560.15	1/4	4,314.38	1/4	4,067.41	1/4	3,819.95	1/4	3,563.35	1/4	3,206.58	1/4	2,848.97
1/2		1/2		1/2		1/2	4,555.03	1/2	4,309.24	1/2	4,062.26	1/2	3,814.80	1/2	3,555.92	1/2	3,199.13	1/2	2,841.51
3/4		3/4		3/4		3/4	4,549.91	3/4	4,304.10	3/4	4,057.10	3/4	3,809.64	3/4	3,548.49	3/4	3,191.68	3/4	2,834.06
5		5		5		5	4,544.80	5	4,298.96	5	4,051.94	5	3,804.49	5	3,541.07	5	3,184.23	5	2,826.61
1/4		1/4		1/4		1/4	4,539.68	1/4	4,293.82	1/4	4,046.79	1/4	3,799.33	1/4	3,533.64	1/4	3,176.78	1/4	2,819.16
1/2		1/2		1/2		1/2	4,534.56	1/2	4,288.68	1/2	4,041.63	1/2	3,794.17	1/2	3,526.21	1/2	3,169.33	1/2	2,811.71
3/4		3/4		3/4		3/4	4,529.45	3/4	4,283.54	3/4	4,036.48	3/4	3,789.02	3/4	3,518.78	3/4	3,161.88	3/4	2,804.25
6		6		6		6	4,524.33	6	4,278.40	6	4,031.32	6	3,783.86	6	3,511.35	6	3,154.43	6	2,796.80
1/4		1/4		1/4		1/4	4,519.22	1/4	4,273.26	1/4	4,026.17	1/4	3,778.71	1/4	3,503.92	1/4	3,146.98	1/4	2,789.35
1/2		1/2		1/2		1/2	4,514.10	1/2	4,268.12	1/2	4,021.01	1/2	3,773.55	1/2	3,496.49	1/2	3,139.53	1/2	2,781.90
3/4		3/4		3/4		3/4	4,508.98	3/4	4,262.97	3/4	4,015.86	3/4	3,768.40	3/4	3,489.07	3/4	3,132.08	3/4	2,774.45
7		7		7		7	4,503.87	7	4,257.83	7	4,010.70	7	3,763.24	7	3,481.64	7	3,124.63	7	2,766.99
1/4		1/4		1/4		1/4	4,498.75	1/4	4,252.69	1/4	4,005.55	1/4	3,758.09	1/4	3,474.21	1/4	3,117.19	1/4	2,759.54
1/2		1/2		1/2		1/2	4,493.64	1/2	4,247.55	1/2	4,000.39	1/2	3,752.93	1/2	3,466.78	1/2	3,109.74	1/2	2,752.09
3/4		3/4		3/4		3/4	4,488.52	3/4	4,242.41	3/4	3,995.24	3/4	3,747.78	3/4	3,459.35	3/4	3,102.29	3/4	2,744.64
8		8		8		8	4,483.41	8	4,237.27	8	3,990.08	8	3,742.62	8	3,451.92	8	3,094.84	8	2,737.19
1/4		1/4		1/4		1/4	4,478.29	1/4	4,232.13	1/4	3,984.92	1/4	3,737.47	1/4	3,444.50	1/4	3,087.39	1/4	2,729.74
1/2		1/2		1/2		1/2	4,473.18	1/2	4,226.99	1/2	3,979.77	1/2	3,732.31	1/2	3,437.07	1/2	3,079.94	1/2	2,722.28
3/4		3/4		3/4		3/4	4,468.06	3/4	4,221.85	3/4	3,974.61	3/4	3,727.15	3/4	3,429.64	3/4	3,072.49	3/4	2,714.83
9		9		9		9	4,462.95	9	4,216.71	9	3,969.46	9	3,722.00	9	3,422.21	9	3,065.04	9	2,707.38
1/4		1/4		1/4		1/4	4,457.84	1/4	4,211.56	1/4	3,964.30	1/4	3,716.84	1/4	3,414.78	1/4	3,057.59	1/4	2,699.93
1/2		1/2		1/2		1/2	4,452.72	1/2	4,206.42	1/2	3,959.15	1/2	3,711.69	1/2	3,407.35	1/2	3,050.14	1/2	2,692.48
3/4		3/4		3/4		3/4	4,447.61	3/4	4,201.28	3/4	3,953.99	3/4	3,706.53	3/4	3,399.92	3/4	3,042.69	3/4	2,685.02
10		10		10		10	4,442.50	10	4,196.14	10	3,948.84	10	3,701.38	10	3,392.50	10	3,035.24	10	2,677.57
1/4		1/4		1/4		1/4	4,437.38	1/4	4,191.00	1/4	3,943.68	1/4	3,696.22	1/4	3,385.07	1/4	3,027.79	1/4	2,670.12
1/2		1/2		1/2		1/2	4,432.27	1/2	4,185.86	1/2	3,938.53	1/2	3,691.07	1/2	3,377.64	1/2	3,020.35	1/2	2,662.67
3/4		3/4		3/4		3/4	4,427.16	3/4	4,180.72	3/4	3,933.37	3/4	3,685.91	3/4	3,370.21	3/4	3,012.90	3/4	2,655.22
11		11		11		11	4,422.04	11	4,175.58	11	3,928.22	11	3,680.76	11	3,362.78	11	3,005.45	11	2,647.76
1/4		1/4		1/4		1/4	4,416.93	1/4	4,170.44	1/4	3,923.06	1/4	3,675.60	1/4	3,355.35	1/4	2,998.00	1/4	2,640.31
1/2		1/2		1/2		1/2	4,411.81	1/2	4,165.30	1/2	3,917.90	1/2	3,670.45	1/2	3,347.92	1/2	2,990.55	1/2	2,632.85
3/4		3/4		3/4		3/4	4,406.70	3/4	4,160.15	3/4	3,912.75	3/4	3,665.29	3/4	3,340.50	3/4	2,983.10	3/4	2,625.40

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 3117"

3 STBD

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	2,617.94	0	2,259.90	0	1,901.87	0	1,543.83	0	1,185.79	0	828.30	0	470.28	0	112.25	0		0	
1/4	2,610.48	1/4	2,252.44	1/4	1,894.41	1/4	1,536.37	1/4	1,178.33	1/4	820.84	1/4	462.82	1/4	104.79	1/4		1/4	
1/2	2,603.02	1/2	2,244.98	1/2	1,886.95	1/2	1,528.91	1/2	1,170.87	1/2	813.39	1/2	455.36	1/2	97.33	1/2		1/2	
3/4	2,595.56	3/4	2,237.53	3/4	1,879.49	3/4	1,521.45	3/4	1,163.41	3/4	805.93	3/4	447.90	3/4	89.87	3/4		3/4	
1	2,588.10	1	2,230.07	1	1,872.03	1	1,513.99	1	1,155.96	1	798.47	1	440.44	1	82.41	1		1	
1/4	2,580.64	1/4	2,222.61	1/4	1,864.57	1/4	1,506.53	1/4	1,148.50	1/4	791.01	1/4	432.98	1/4	74.95	1/4		1/4	
1/2	2,573.18	1/2	2,215.15	1/2	1,857.11	1/2	1,499.07	1/2	1,141.04	1/2	783.55	1/2	425.52	1/2	67.96	1/2		1/2	
3/4	2,565.73	3/4	2,207.69	3/4	1,849.65	3/4	1,491.62	3/4	1,133.59	3/4	776.09	3/4	418.06	3/4	60.97	3/4		3/4	
2	2,558.27	2	2,200.23	2	1,842.19	2	1,484.16	2	1,126.13	2	768.63	2	410.61	2	53.98	2		2	
1/4	2,550.81	1/4	2,192.77	1/4	1,834.73	1/4	1,476.70	1/4	1,118.68	1/4	761.17	1/4	403.15	1/4	46.98	1/4		1/4	
1/2	2,543.35	1/2	2,185.31	1/2	1,827.27	1/2	1,469.24	1/2	1,111.23	1/2	753.71	1/2	395.69	1/2	41.39	1/2		1/2	
3/4	2,535.89	3/4	2,177.85	3/4	1,819.82	3/4	1,461.78	3/4	1,103.77	3/4	746.26	3/4	388.23	3/4	35.80	3/4		3/4	
3	2,528.43	3	2,170.39	3	1,812.36	3	1,454.32	3	1,096.32	3	738.80	3	380.77	3	30.20	3		3	
1/4	2,520.97	1/4	2,162.93	1/4	1,804.90	1/4	1,446.86	1/4	1,088.87	1/4	731.34	1/4	373.31	1/4	24.61	1/4		1/4	
1/2	2,513.51	1/2	2,155.48	1/2	1,797.44	1/2	1,439.40	1/2	1,081.42	1/2	723.88	1/2	365.85	1/2	20.88	1/2		1/2	
3/4	2,506.05	3/4	2,148.02	3/4	1,789.98	3/4	1,431.94	3/4	1,073.98	3/4	716.42	3/4	358.39	3/4		3/4		3/4	
4	2,498.59	4	2,140.56	4	1,782.52	4	1,424.48	4	1,066.53	4	708.96	4	350.93	4		4		4	
1/4	2,491.13	1/4	2,133.10	1/4	1,775.06	1/4	1,417.02	1/4	1,059.08	1/4	701.50	1/4	343.48	1/4		1/4		1/4	
1/2	2,483.68	1/2	2,125.64	1/2	1,767.60	1/2	1,409.57	1/2	1,051.64	1/2	694.04	1/2	336.02	1/2		1/2		1/2	
3/4	2,476.22	3/4	2,118.18	3/4	1,760.14	3/4	1,402.11	3/4	1,044.19	3/4	686.58	3/4	328.56	3/4		3/4		3/4	
5	2,468.76	5	2,110.72	5	1,752.68	5	1,394.65	5	1,036.75	5	679.13	5	321.10	5		5		5	
1/4	2,461.30	1/4	2,103.26	1/4	1,745.22	1/4	1,387.19	1/4	1,029.31	1/4	671.67	1/4	313.64	1/4		1/4		1/4	
1/2	2,453.84	1/2	2,095.80	1/2	1,737.77	1/2	1,379.73	1/2	1,021.86	1/2	664.21	1/2	306.18	1/2		1/2		1/2	
3/4	2,446.38	3/4	2,088.34	3/4	1,730.31	3/4	1,372.27	3/4	1,014.42	3/4	656.75	3/4	298.72	3/4		3/4		3/4	
6	2,438.92	6	2,080.88	6	1,722.85	6	1,364.81	6	1,006.97	6	649.29	6	291.26	6		6		6	
1/4	2,431.46	1/4	2,073.43	1/4	1,715.39	1/4	1,357.35	1/4	999.53	1/4	641.83	1/4	283.80	1/4		1/4		1/4	
1/2	2,424.00	1/2	2,065.97	1/2	1,707.93	1/2	1,349.89	1/2	992.09	1/2	634.37	1/2	276.35	1/2		1/2		1/2	
3/4	2,416.54	3/4	2,058.51	3/4	1,700.47	3/4	1,342.43	3/4	984.64	3/4	626.91	3/4	268.89	3/4		3/4		3/4	
7	2,409.08	7	2,051.05	7	1,693.01	7	1,334.97	7	977.20	7	619.45	7	261.43	7		7		7	
1/4	2,401.63	1/4	2,043.59	1/4	1,685.55	1/4	1,327.52	1/4	969.76	1/4	612.00	1/4	253.97	1/4		1/4		1/4	
1/2	2,394.17	1/2	2,036.13	1/2	1,678.09	1/2	1,320.06	1/2	962.31	1/2	604.54	1/2	246.51	1/2		1/2		1/2	
3/4	2,386.71	3/4	2,028.67	3/4	1,670.63	3/4	1,312.60	3/4	954.87	3/4	597.08	3/4	239.05	3/4		3/4		3/4	
8	2,379.25	8	2,021.21	8	1,663.17	8	1,305.14	8	947.42	8	589.62	8	231.59	8		8		8	
1/4	2,371.79	1/4	2,013.75	1/4	1,655.72	1/4	1,297.68	1/4	939.98	1/4	582.16	1/4	224.13	1/4		1/4		1/4	
1/2	2,364.33	1/2	2,006.29	1/2	1,648.26	1/2	1,290.22	1/2	932.54	1/2	574.70	1/2	216.67	1/2		1/2		1/2	
3/4	2,356.87	3/4	1,998.83	3/4	1,640.80	3/4	1,282.76	3/4	925.09	3/4	567.24	3/4	209.21	3/4		3/4		3/4	
9	2,349.41	9	1,991.38	9	1,633.34	9	1,275.30	9	917.65	9	559.78	9	201.76	9		9		9	
1/4	2,341.95	1/4	1,983.92	1/4	1,625.88	1/4	1,267.84	1/4	910.20	1/4	552.32	1/4	194.30	1/4		1/4		1/4	
1/2	2,334.49	1/2	1,976.46	1/2	1,618.42	1/2	1,260.38	1/2	902.76	1/2	544.87	1/2	186.84	1/2		1/2		1/2	
3/4	2,327.03	3/4	1,969.00	3/4	1,610.96	3/4	1,252.92	3/4	895.32	3/4	537.41	3/4	179.38	3/4		3/4		3/4	
10	2,319.58	10	1,961.54	10	1,603.50	10	1,245.47	10	887.87	10	529.95	10	171.92	10		10		10	
1/4	2,312.12	1/4	1,954.08	1/4	1,596.04	1/4	1,238.01	1/4	880.43	1/4	522.49	1/4	164.46	1/4		1/4		1/4	
1/2	2,304.66	1/2	1,946.62	1/2	1,588.58	1/2	1,230.55	1/2	872.98	1/2	515.03	1/2	157.00	1/2		1/2		1/2	
3/4	2,297.20	3/4	1,939.16	3/4	1,581.12	3/4	1,223.09	3/4	865.54	3/4	507.57	3/4	149.54	3/4		3/4		3/4	
11	2,289.74	11	1,931.70	11	1,573.67	11	1,215.63	11	858.10	11	500.11	11	142.08	11		11		11	
1/4	2,282.28	1/4	1,924.24	1/4	1,566.21	1/4	1,208.17	1/4	850.65	1/4	492.65	1/4	134.63	1/4		1/4		1/4	
1/2	2,274.82	1/2	1,916.78	1/2	1,558.75	1/2	1,200.71	1/2	843.20	1/2	485.19	1/2	127.17	1/2		1/2		1/2	
3/4	2,267.36	3/4	1,909.32	3/4	1,551.29	3/4	1,193.25	3/4	835.75	3/4	477.74	3/4	119.71	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/12/2014 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 3117"

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	

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 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

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

BARGE "HTCO 3117"

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	

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 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

PRECISION MEASUREMENT
& ANALYSIS, INC.
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