



# BARGE "HTCO 3067"

## ULLAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4
1 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4
2 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4
2 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4
3 PORT	01-1/4	- 01-1/4	02-1/2	- 02-1/2	03-3/4	- 03-3/4	04-7/8	- 04-7/8	06-1/8	- 06-1/8	07-3/8	- 07-3/8
3 STBD	01-1/4	- 01-1/4	02-1/2	- 02-1/2	03-3/4	- 03-3/4	04-7/8	- 04-7/8	06-1/8	- 06-1/8	07-3/8	- 07-3/8

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

August 23, 2019

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

<http://www.pmacorp.net>





# BARGE "HTCO 3067"

## 1 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	4,705.69	0	4,348.91	0	3,992.13	0	3,635.34	0	3,278.56	0	2,921.77
1/4		1/4		1/4		1/4		1/4	4,698.26	1/4	4,341.47	1/4	3,984.69	1/4	3,627.90	1/4	3,271.12	1/4	2,914.34
1/2		1/2		1/2		1/2	5,034.66	1/2	4,690.82	1/2	4,334.04	1/2	3,977.26	1/2	3,620.47	1/2	3,263.69	1/2	2,906.90
3/4		3/4		3/4		3/4	5,030.14	3/4	4,683.39	3/4	4,326.61	3/4	3,969.83	3/4	3,613.04	3/4	3,256.26	3/4	2,899.47
1		1		1		1	5,024.48	1	4,675.96	1	4,319.18	1	3,962.39	1	3,605.61	1	3,248.83	1	2,892.04
1/4		1/4		1/4		1/4	5,018.82	1/4	4,668.52	1/4	4,311.74	1/4	3,954.96	1/4	3,598.17	1/4	3,241.39	1/4	2,884.60
1/2		1/2		1/2		1/2	5,013.17	1/2	4,661.09	1/2	4,304.31	1/2	3,947.52	1/2	3,590.74	1/2	3,233.96	1/2	2,877.17
3/4		3/4		3/4		3/4	5,007.51	3/4	4,653.66	3/4	4,296.88	3/4	3,940.09	3/4	3,583.31	3/4	3,226.53	3/4	2,869.74
2		2		2		2	5,000.72	2	4,646.23	2	4,289.45	2	3,932.66	2	3,575.88	2	3,219.09	2	2,862.31
1/4		1/4		1/4		1/4	4,993.93	1/4	4,638.79	1/4	4,282.01	1/4	3,925.22	1/4	3,568.44	1/4	3,211.66	1/4	2,854.87
1/2		1/2		1/2		1/2	4,987.14	1/2	4,631.36	1/2	4,274.58	1/2	3,917.79	1/2	3,561.01	1/2	3,204.22	1/2	2,847.44
3/4		3/4		3/4		3/4	4,980.35	3/4	4,623.93	3/4	4,267.15	3/4	3,910.36	3/4	3,553.58	3/4	3,196.79	3/4	2,840.01
3		3		3		3	4,973.01	3	4,616.50	3	4,259.71	3	3,902.93	3	3,546.15	3	3,189.36	3	2,832.58
1/4		1/4		1/4		1/4	4,965.66	1/4	4,609.06	1/4	4,252.28	1/4	3,895.49	1/4	3,538.71	1/4	3,181.92	1/4	2,825.14
1/2		1/2		1/2		1/2	4,958.32	1/2	4,601.63	1/2	4,244.84	1/2	3,888.06	1/2	3,531.28	1/2	3,174.49	1/2	2,817.71
3/4		3/4		3/4		3/4	4,950.98	3/4	4,594.20	3/4	4,237.41	3/4	3,880.63	3/4	3,523.85	3/4	3,167.06	3/4	2,810.28
4		4		4		4	4,943.55	4	4,586.77	4	4,229.98	4	3,873.20	4	3,516.41	4	3,159.63	4	2,802.85
1/4		1/4		1/4		1/4	4,936.11	1/4	4,579.33	1/4	4,222.54	1/4	3,865.76	1/4	3,508.98	1/4	3,152.19	1/4	2,795.41
1/2		1/2		1/2		1/2	4,928.68	1/2	4,571.90	1/2	4,215.11	1/2	3,858.33	1/2	3,501.54	1/2	3,144.76	1/2	2,787.98
3/4		3/4		3/4		3/4	4,921.25	3/4	4,564.47	3/4	4,207.68	3/4	3,850.90	3/4	3,494.11	3/4	3,137.33	3/4	2,780.55
5		5		5		5	4,913.82	5	4,557.03	5	4,200.25	5	3,843.47	5	3,486.68	5	3,129.90	5	2,773.11
1/4		1/4		1/4		1/4	4,906.38	1/4	4,549.60	1/4	4,192.81	1/4	3,836.03	1/4	3,479.24	1/4	3,122.46	1/4	2,765.68
1/2		1/2		1/2		1/2	4,898.95	1/2	4,542.16	1/2	4,185.38	1/2	3,828.60	1/2	3,471.81	1/2	3,115.03	1/2	2,758.24
3/4		3/4		3/4		3/4	4,891.52	3/4	4,534.73	3/4	4,177.95	3/4	3,821.17	3/4	3,464.38	3/4	3,107.60	3/4	2,750.81
6		6		6		6	4,884.09	6	4,527.30	6	4,170.52	6	3,813.73	6	3,456.95	6	3,100.17	6	2,743.38
1/4		1/4		1/4		1/4	4,876.65	1/4	4,519.86	1/4	4,163.08	1/4	3,806.30	1/4	3,449.51	1/4	3,092.73	1/4	2,735.94
1/2		1/2		1/2		1/2	4,869.22	1/2	4,512.43	1/2	4,155.65	1/2	3,798.86	1/2	3,442.08	1/2	3,085.30	1/2	2,728.51
3/4		3/4		3/4		3/4	4,861.79	3/4	4,505.00	3/4	4,148.22	3/4	3,791.43	3/4	3,434.65	3/4	3,077.87	3/4	2,721.08
7		7		7		7	4,854.35	7	4,497.57	7	4,140.79	7	3,784.00	7	3,427.22	7	3,070.43	7	2,713.65
1/4		1/4		1/4		1/4	4,846.92	1/4	4,490.13	1/4	4,133.35	1/4	3,776.56	1/4	3,419.78	1/4	3,063.00	1/4	2,706.21
1/2		1/2		1/2		1/2	4,839.48	1/2	4,482.70	1/2	4,125.92	1/2	3,769.13	1/2	3,412.35	1/2	3,055.56	1/2	2,698.78
3/4		3/4		3/4		3/4	4,832.05	3/4	4,475.27	3/4	4,118.49	3/4	3,761.70	3/4	3,404.92	3/4	3,048.13	3/4	2,691.35
8		8		8		8	4,824.62	8	4,467.84	8	4,111.05	8	3,754.27	8	3,397.49	8	3,040.70	8	2,683.92
1/4		1/4		1/4		1/4	4,817.18	1/4	4,460.40	1/4	4,103.62	1/4	3,746.83	1/4	3,390.05	1/4	3,033.26	1/4	2,676.48
1/2		1/2		1/2		1/2	4,809.75	1/2	4,452.97	1/2	4,096.18	1/2	3,739.40	1/2	3,382.62	1/2	3,025.83	1/2	2,669.05
3/4		3/4		3/4		3/4	4,802.32	3/4	4,445.54	3/4	4,088.75	3/4	3,731.97	3/4	3,375.19	3/4	3,018.40	3/4	2,661.62
9		9		9		9	4,794.89	9	4,438.11	9	4,081.32	9	3,724.54	9	3,367.75	9	3,010.97	9	2,654.19
1/4		1/4		1/4		1/4	4,787.45	1/4	4,430.67	1/4	4,073.88	1/4	3,717.10	1/4	3,360.32	1/4	3,003.53	1/4	2,646.75
1/2		1/2		1/2		1/2	4,780.02	1/2	4,423.24	1/2	4,066.45	1/2	3,709.67	1/2	3,352.88	1/2	2,996.10	1/2	2,639.32
3/4		3/4		3/4		3/4	4,772.59	3/4	4,415.81	3/4	4,059.02	3/4	3,702.24	3/4	3,345.45	3/4	2,988.67	3/4	2,631.89
10		10		10		10	4,765.16	10	4,408.37	10	4,051.59	10	3,694.81	10	3,338.02	10	2,981.24	10	2,624.45
1/4		1/4		1/4		1/4	4,757.72	1/4	4,400.94	1/4	4,044.15	1/4	3,687.37	1/4	3,330.58	1/4	2,973.80	1/4	2,617.02
1/2		1/2		1/2		1/2	4,750.29	1/2	4,393.50	1/2	4,036.72	1/2	3,679.94	1/2	3,323.15	1/2	2,966.37	1/2	2,609.58
3/4		3/4		3/4		3/4	4,742.86	3/4	4,386.07	3/4	4,029.29	3/4	3,672.51	3/4	3,315.72	3/4	2,958.94	3/4	2,602.15
11		11		11		11	4,735.43	11	4,378.64	11	4,021.86	11	3,665.07	11	3,308.29	11	2,951.51	11	2,594.72
1/4		1/4		1/4		1/4	4,727.99	1/4	4,371.20	1/4	4,014.42	1/4	3,657.64	1/4	3,300.85	1/4	2,944.07	1/4	2,587.28
1/2		1/2		1/2		1/2	4,720.56	1/2	4,363.77	1/2	4,006.99	1/2	3,650.20	1/2	3,293.42	1/2	2,936.64	1/2	2,579.85
3/4		3/4		3/4		3/4	4,713.13	3/4	4,356.34	3/4	3,999.56	3/4	3,642.77	3/4	3,285.99	3/4	2,929.21	3/4	2,572.42

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 47'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "HTCO 3067"

**1 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	2,564.99	0	2,208.21	0	1,851.42	0	1,494.64	0	1,137.85	0	781.07	0	422.93	0	86.21	0		0	
1/4	2,557.55	1/4	2,200.77	1/4	1,843.98	1/4	1,487.20	1/4	1,130.42	1/4	773.63	1/4	415.52	1/4	79.75	1/4		1/4	
1/2	2,550.12	1/2	2,193.34	1/2	1,836.55	1/2	1,479.77	1/2	1,122.98	1/2	766.20	1/2	408.10	1/2	73.28	1/2		1/2	
3/4	2,542.69	3/4	2,185.91	3/4	1,829.12	3/4	1,472.34	3/4	1,115.55	3/4	758.77	3/4	400.69	3/4	66.82	3/4		3/4	
1	2,535.26	1	2,178.47	1	1,821.69	1	1,464.91	1	1,108.12	1	751.34	1	393.33	1	60.56	1		1	
1/4	2,527.82	1/4	2,171.04	1/4	1,814.25	1/4	1,457.47	1/4	1,100.68	1/4	743.90	1/4	385.97	1/4	54.30	1/4		1/4	
1/2	2,520.39	1/2	2,163.60	1/2	1,806.82	1/2	1,450.04	1/2	1,093.25	1/2	736.47	1/2	378.62	1/2	48.04	1/2		1/2	
3/4	2,512.96	3/4	2,156.17	3/4	1,799.39	3/4	1,442.61	3/4	1,085.82	3/4	729.04	3/4	371.26	3/4	41.78	3/4		3/4	
2	2,505.53	2	2,148.74	2	1,791.96	2	1,435.17	2	1,078.39	2	721.61	2	363.93	2	36.84	2		2	
1/4	2,498.09	1/4	2,141.30	1/4	1,784.52	1/4	1,427.74	1/4	1,070.95	1/4	714.17	1/4	356.60	1/4	31.90	1/4		1/4	
1/2	2,490.66	1/2	2,133.87	1/2	1,777.09	1/2	1,420.30	1/2	1,063.52	1/2	706.74	1/2	349.27	1/2	26.97	1/2		1/2	
3/4	2,483.23	3/4	2,126.44	3/4	1,769.66	3/4	1,412.87	3/4	1,056.09	3/4	699.31	3/4	341.94	3/4	22.03	3/4		3/4	
3	2,475.79	3	2,119.01	3	1,762.23	3	1,405.44	3	1,048.66	3	691.87	3	334.70	3	18.62	3		3	
1/4	2,468.36	1/4	2,111.57	1/4	1,754.79	1/4	1,398.00	1/4	1,041.22	1/4	684.44	1/4	327.47	1/4		1/4		1/4	
1/2	2,460.92	1/2	2,104.14	1/2	1,747.36	1/2	1,390.57	1/2	1,033.79	1/2	677.00	1/2	320.23	1/2		1/2		1/2	
3/4	2,453.49	3/4	2,096.71	3/4	1,739.93	3/4	1,383.14	3/4	1,026.36	3/4	669.57	3/4	313.00	3/4		3/4		3/4	
4	2,446.06	4	2,089.28	4	1,732.49	4	1,375.71	4	1,018.92	4	662.14	4	305.80	4		4		4	
1/4	2,438.62	1/4	2,081.84	1/4	1,725.06	1/4	1,368.27	1/4	1,011.49	1/4	654.70	1/4	298.59	1/4		1/4		1/4	
1/2	2,431.19	1/2	2,074.41	1/2	1,717.62	1/2	1,360.84	1/2	1,004.05	1/2	647.27	1/2	291.39	1/2		1/2		1/2	
3/4	2,423.76	3/4	2,066.98	3/4	1,710.19	3/4	1,353.41	3/4	996.62	3/4	639.84	3/4	284.19	3/4		3/4		3/4	
5	2,416.33	5	2,059.55	5	1,702.76	5	1,345.98	5	989.19	5	632.41	5	277.09	5		5		5	
1/4	2,408.89	1/4	2,052.11	1/4	1,695.32	1/4	1,338.54	1/4	981.75	1/4	624.97	1/4	269.98	1/4		1/4		1/4	
1/2	2,401.46	1/2	2,044.68	1/2	1,687.89	1/2	1,331.11	1/2	974.32	1/2	617.54	1/2	262.88	1/2		1/2		1/2	
3/4	2,394.03	3/4	2,037.25	3/4	1,680.46	3/4	1,323.68	3/4	966.89	3/4	610.11	3/4	255.78	3/4		3/4		3/4	
6	2,386.60	6	2,029.81	6	1,673.03	6	1,316.25	6	959.46	6	602.68	6	248.70	6		6		6	
1/4	2,379.16	1/4	2,022.38	1/4	1,665.59	1/4	1,308.81	1/4	952.02	1/4	595.24	1/4	241.61	1/4		1/4		1/4	
1/2	2,371.73	1/2	2,014.94	1/2	1,658.16	1/2	1,301.38	1/2	944.59	1/2	587.81	1/2	234.53	1/2		1/2		1/2	
3/4	2,364.30	3/4	2,007.51	3/4	1,650.73	3/4	1,293.95	3/4	937.16	3/4	580.38	3/4	227.45	3/4		3/4		3/4	
7	2,356.87	7	2,000.08	7	1,643.30	7	1,286.51	7	929.73	7	572.95	7	220.47	7		7		7	
1/4	2,349.43	1/4	1,992.64	1/4	1,635.86	1/4	1,279.08	1/4	922.29	1/4	565.51	1/4	213.48	1/4		1/4		1/4	
1/2	2,342.00	1/2	1,985.21	1/2	1,628.43	1/2	1,271.64	1/2	914.86	1/2	558.08	1/2	206.50	1/2		1/2		1/2	
3/4	2,334.57	3/4	1,977.78	3/4	1,621.00	3/4	1,264.21	3/4	907.43	3/4	550.65	3/4	199.52	3/4		3/4		3/4	
8	2,327.13	8	1,970.35	8	1,613.57	8	1,256.78	8	900.00	8	543.21	8	192.57	8		8		8	
1/4	2,319.70	1/4	1,962.91	1/4	1,606.13	1/4	1,249.34	1/4	892.56	1/4	535.78	1/4	185.61	1/4		1/4		1/4	
1/2	2,312.26	1/2	1,955.48	1/2	1,598.70	1/2	1,241.91	1/2	885.13	1/2	528.34	1/2	178.66	1/2		1/2		1/2	
3/4	2,304.83	3/4	1,948.05	3/4	1,591.27	3/4	1,234.48	3/4	877.70	3/4	520.91	3/4	171.71	3/4		3/4		3/4	
9	2,297.40	9	1,940.62	9	1,583.83	9	1,227.05	9	870.26	9	513.37	9	165.03	9		9		9	
1/4	2,289.96	1/4	1,933.18	1/4	1,576.40	1/4	1,219.61	1/4	862.83	1/4	505.83	1/4	158.35	1/4		1/4		1/4	
1/2	2,282.53	1/2	1,925.75	1/2	1,568.96	1/2	1,212.18	1/2	855.39	1/2	498.29	1/2	151.68	1/2		1/2		1/2	
3/4	2,275.10	3/4	1,918.32	3/4	1,561.53	3/4	1,204.75	3/4	847.96	3/4	490.75	3/4	145.00	3/4		3/4		3/4	
10	2,267.67	10	1,910.89	10	1,554.10	10	1,197.32	10	840.53	10	483.17	10	138.41	10		10		10	
1/4	2,260.23	1/4	1,903.45	1/4	1,546.66	1/4	1,189.88	1/4	833.09	1/4	475.59	1/4	131.83	1/4		1/4		1/4	
1/2	2,252.80	1/2	1,896.02	1/2	1,539.23	1/2	1,182.45	1/2	825.66	1/2	468.01	1/2	125.24	1/2		1/2		1/2	
3/4	2,245.37	3/4	1,888.59	3/4	1,531.80	3/4	1,175.02	3/4	818.23	3/4	460.43	3/4	118.66	3/4		3/4		3/4	
11	2,237.94	11	1,881.15	11	1,524.37	11	1,167.59	11	810.80	11	452.91	11	112.16	11		11		11	
1/4	2,230.50	1/4	1,873.72	1/4	1,516.93	1/4	1,160.15	1/4	803.36	1/4	445.39	1/4	105.67	1/4		1/4		1/4	
1/2	2,223.07	1/2	1,866.28	1/2	1,509.50	1/2	1,152.72	1/2	795.93	1/2	437.87	1/2	99.17	1/2		1/2		1/2	
3/4	2,215.64	3/4	1,858.85	3/4	1,502.07	3/4	1,145.29	3/4	788.50	3/4	430.35	3/4	92.68	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2009 INS  
 RECALCULATED: 08/25/2019 SW  
 REPRINTED: 08/26/2019 SW

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 08/2019

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



# BARGE "HTCO 3067"

## 1 STBD ULLAGE TABLE

### HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,720.56	0	4,363.77	0	4,006.99	0	3,650.20	0	3,293.42	0	2,936.64
1/4		1/4		1/4		1/4		1/4	4,713.13	1/4	4,356.34	1/4	3,999.56	1/4	3,642.77	1/4	3,285.99	1/4	2,929.21
1/2		1/2		1/2		1/2		1/2	4,705.69	1/2	4,348.91	1/2	3,992.13	1/2	3,635.34	1/2	3,278.56	1/2	2,921.77
3/4		3/4		3/4		3/4		3/4	4,698.26	3/4	4,341.47	3/4	3,984.69	3/4	3,627.90	3/4	3,271.12	3/4	2,914.34
1		1		1		1	5,034.66	1	4,690.82	1	4,334.04	1	3,977.26	1	3,620.47	1	3,263.69	1	2,906.90
1/4		1/4		1/4		1/4	5,030.14	1/4	4,683.39	1/4	4,326.61	1/4	3,969.83	1/4	3,613.04	1/4	3,256.26	1/4	2,899.47
1/2		1/2		1/2		1/2	5,024.48	1/2	4,675.96	1/2	4,319.18	1/2	3,962.39	1/2	3,605.61	1/2	3,248.83	1/2	2,892.04
3/4		3/4		3/4		3/4	5,018.82	3/4	4,668.52	3/4	4,311.74	3/4	3,954.96	3/4	3,598.17	3/4	3,241.39	3/4	2,884.60
2		2		2		2	5,013.17	2	4,661.09	2	4,304.31	2	3,947.52	2	3,590.74	2	3,233.96	2	2,877.17
1/4		1/4		1/4		1/4	5,007.51	1/4	4,653.66	1/4	4,296.88	1/4	3,940.09	1/4	3,583.31	1/4	3,226.53	1/4	2,869.74
1/2		1/2		1/2		1/2	5,000.72	1/2	4,646.23	1/2	4,289.45	1/2	3,932.66	1/2	3,575.88	1/2	3,219.09	1/2	2,862.31
3/4		3/4		3/4		3/4	4,993.93	3/4	4,638.79	3/4	4,282.01	3/4	3,925.22	3/4	3,568.44	3/4	3,211.66	3/4	2,854.87
3		3		3		3	4,987.14	3	4,631.36	3	4,274.58	3	3,917.79	3	3,561.01	3	3,204.22	3	2,847.44
1/4		1/4		1/4		1/4	4,980.35	1/4	4,623.93	1/4	4,267.15	1/4	3,910.36	1/4	3,553.58	1/4	3,196.79	1/4	2,840.01
1/2		1/2		1/2		1/2	4,973.01	1/2	4,616.50	1/2	4,259.71	1/2	3,902.93	1/2	3,546.15	1/2	3,189.36	1/2	2,832.58
3/4		3/4		3/4		3/4	4,965.66	3/4	4,609.06	3/4	4,252.28	3/4	3,895.49	3/4	3,538.71	3/4	3,181.92	3/4	2,825.14
4		4		4		4	4,958.32	4	4,601.63	4	4,244.84	4	3,888.06	4	3,531.28	4	3,174.49	4	2,817.71
1/4		1/4		1/4		1/4	4,950.98	1/4	4,594.20	1/4	4,237.41	1/4	3,880.63	1/4	3,523.85	1/4	3,167.06	1/4	2,810.28
1/2		1/2		1/2		1/2	4,943.55	1/2	4,586.77	1/2	4,229.98	1/2	3,873.20	1/2	3,516.41	1/2	3,159.63	1/2	2,802.85
3/4		3/4		3/4		3/4	4,936.11	3/4	4,579.33	3/4	4,222.54	3/4	3,865.76	3/4	3,508.98	3/4	3,152.19	3/4	2,795.41
5		5		5		5	4,928.68	5	4,571.90	5	4,215.11	5	3,858.33	5	3,501.54	5	3,144.76	5	2,787.98
1/4		1/4		1/4		1/4	4,921.25	1/4	4,564.47	1/4	4,207.68	1/4	3,850.90	1/4	3,494.11	1/4	3,137.33	1/4	2,780.55
1/2		1/2		1/2		1/2	4,913.82	1/2	4,557.03	1/2	4,200.25	1/2	3,843.47	1/2	3,486.68	1/2	3,129.90	1/2	2,773.11
3/4		3/4		3/4		3/4	4,906.38	3/4	4,549.60	3/4	4,192.81	3/4	3,836.03	3/4	3,479.24	3/4	3,122.46	3/4	2,765.68
6		6		6		6	4,898.95	6	4,542.16	6	4,185.38	6	3,828.60	6	3,471.81	6	3,115.03	6	2,758.24
1/4		1/4		1/4		1/4	4,891.52	1/4	4,534.73	1/4	4,177.95	1/4	3,821.17	1/4	3,464.38	1/4	3,107.60	1/4	2,750.81
1/2		1/2		1/2		1/2	4,884.09	1/2	4,527.30	1/2	4,170.52	1/2	3,813.73	1/2	3,456.95	1/2	3,100.17	1/2	2,743.38
3/4		3/4		3/4		3/4	4,876.65	3/4	4,519.86	3/4	4,163.08	3/4	3,806.30	3/4	3,449.51	3/4	3,092.73	3/4	2,735.94
7		7		7		7	4,869.22	7	4,512.43	7	4,155.65	7	3,798.86	7	3,442.08	7	3,085.30	7	2,728.51
1/4		1/4		1/4		1/4	4,861.79	1/4	4,505.00	1/4	4,148.22	1/4	3,791.43	1/4	3,434.65	1/4	3,077.87	1/4	2,721.08
1/2		1/2		1/2		1/2	4,854.35	1/2	4,497.57	1/2	4,140.79	1/2	3,784.00	1/2	3,427.22	1/2	3,070.43	1/2	2,713.65
3/4		3/4		3/4		3/4	4,846.92	3/4	4,490.13	3/4	4,133.35	3/4	3,776.56	3/4	3,419.78	3/4	3,063.00	3/4	2,706.21
8		8		8		8	4,839.48	8	4,482.70	8	4,125.92	8	3,769.13	8	3,412.35	8	3,055.56	8	2,698.78
1/4		1/4		1/4		1/4	4,832.05	1/4	4,475.27	1/4	4,118.49	1/4	3,761.70	1/4	3,404.92	1/4	3,048.13	1/4	2,691.35
1/2		1/2		1/2		1/2	4,824.62	1/2	4,467.84	1/2	4,111.05	1/2	3,754.27	1/2	3,397.49	1/2	3,040.70	1/2	2,683.92
3/4		3/4		3/4		3/4	4,817.18	3/4	4,460.40	3/4	4,103.62	3/4	3,746.83	3/4	3,390.05	3/4	3,033.26	3/4	2,676.48
9		9		9		9	4,809.75	9	4,452.97	9	4,096.18	9	3,739.40	9	3,382.62	9	3,025.83	9	2,669.05
1/4		1/4		1/4		1/4	4,802.32	1/4	4,445.54	1/4	4,088.75	1/4	3,731.97	1/4	3,375.19	1/4	3,018.40	1/4	2,661.62
1/2		1/2		1/2		1/2	4,794.89	1/2	4,438.11	1/2	4,081.32	1/2	3,724.54	1/2	3,367.75	1/2	3,010.97	1/2	2,654.19
3/4		3/4		3/4		3/4	4,787.45	3/4	4,430.67	3/4	4,073.88	3/4	3,717.10	3/4	3,360.32	3/4	3,003.53	3/4	2,646.75
10		10		10		10	4,780.02	10	4,423.24	10	4,066.45	10	3,709.67	10	3,352.88	10	2,996.10	10	2,639.32
1/4		1/4		1/4		1/4	4,772.59	1/4	4,415.81	1/4	4,059.02	1/4	3,702.24	1/4	3,345.45	1/4	2,988.67	1/4	2,631.89
1/2		1/2		1/2		1/2	4,765.16	1/2	4,408.37	1/2	4,051.59	1/2	3,694.81	1/2	3,338.02	1/2	2,981.24	1/2	2,624.45
3/4		3/4		3/4		3/4	4,757.72	3/4	4,400.94	3/4	4,044.15	3/4	3,687.37	3/4	3,330.58	3/4	2,973.80	3/4	2,617.02
11		11		11		11	4,750.29	11	4,393.50	11	4,036.72	11	3,679.94	11	3,323.15	11	2,966.37	11	2,609.58
1/4		1/4		1/4		1/4	4,742.86	1/4	4,386.07	1/4	4,029.29	1/4	3,672.51	1/4	3,315.72	1/4	2,958.94	1/4	2,602.15
1/2		1/2		1/2		1/2	4,735.43	1/2	4,378.64	1/2	4,021.86	1/2	3,665.07	1/2	3,308.29	1/2	2,951.51	1/2	2,594.72
3/4		3/4		3/4		3/4	4,727.99	3/4	4,371.20	3/4	4,014.42	3/4	3,657.64	3/4	3,300.85	3/4	2,944.07	3/4	2,587.28

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 47'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "HTCO 3067"

1 STBD

ULLAGE TABLE  
HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,579.85	0	2,223.07	0	1,866.28	0	1,509.50	0	1,152.72	0	795.93	0	437.87	0	99.17	0		0	
1/4	2,572.42	1/4	2,215.64	1/4	1,858.85	1/4	1,502.07	1/4	1,145.29	1/4	788.50	1/4	430.35	1/4	92.68	1/4		1/4	
1/2	2,564.99	1/2	2,208.21	1/2	1,851.42	1/2	1,494.64	1/2	1,137.85	1/2	781.07	1/2	422.93	1/2	86.21	1/2		1/2	
3/4	2,557.55	3/4	2,200.77	3/4	1,843.98	3/4	1,487.20	3/4	1,130.42	3/4	773.63	3/4	415.52	3/4	79.75	3/4		3/4	
1	2,550.12	1	2,193.34	1	1,836.55	1	1,479.77	1	1,122.98	1	766.20	1	408.10	1	73.28	1		1	
1/4	2,542.69	1/4	2,185.91	1/4	1,829.12	1/4	1,472.34	1/4	1,115.55	1/4	758.77	1/4	400.69	1/4	66.82	1/4		1/4	
1/2	2,535.26	1/2	2,178.47	1/2	1,821.69	1/2	1,464.91	1/2	1,108.12	1/2	751.34	1/2	393.33	1/2	60.56	1/2		1/2	
3/4	2,527.82	3/4	2,171.04	3/4	1,814.25	3/4	1,457.47	3/4	1,100.68	3/4	743.90	3/4	385.97	3/4	54.30	3/4		3/4	
2	2,520.39	2	2,163.60	2	1,806.82	2	1,450.04	2	1,093.25	2	736.47	2	378.62	2	48.04	2		2	
1/4	2,512.96	1/4	2,156.17	1/4	1,799.39	1/4	1,442.61	1/4	1,085.82	1/4	729.04	1/4	371.26	1/4	41.78	1/4		1/4	
1/2	2,505.53	1/2	2,148.74	1/2	1,791.96	1/2	1,435.17	1/2	1,078.39	1/2	721.61	1/2	363.93	1/2	36.84	1/2		1/2	
3/4	2,498.09	3/4	2,141.30	3/4	1,784.52	3/4	1,427.74	3/4	1,070.95	3/4	714.17	3/4	356.60	3/4	31.90	3/4		3/4	
3	2,490.66	3	2,133.87	3	1,777.09	3	1,420.30	3	1,063.52	3	706.74	3	349.27	3	26.97	3		3	
1/4	2,483.23	1/4	2,126.44	1/4	1,769.66	1/4	1,412.87	1/4	1,056.09	1/4	699.31	1/4	341.94	1/4	22.03	1/4		1/4	
1/2	2,475.79	1/2	2,119.01	1/2	1,762.23	1/2	1,405.44	1/2	1,048.66	1/2	691.87	1/2	334.70	1/2	18.62	1/2		1/2	
3/4	2,468.36	3/4	2,111.57	3/4	1,754.79	3/4	1,398.00	3/4	1,041.22	3/4	684.44	3/4	327.47	3/4		3/4		3/4	
4	2,460.92	4	2,104.14	4	1,747.36	4	1,390.57	4	1,033.79	4	677.00	4	320.23	4		4		4	
1/4	2,453.49	1/4	2,096.71	1/4	1,739.93	1/4	1,383.14	1/4	1,026.36	1/4	669.57	1/4	313.00	1/4		1/4		1/4	
1/2	2,446.06	1/2	2,089.28	1/2	1,732.49	1/2	1,375.71	1/2	1,018.92	1/2	662.14	1/2	305.80	1/2		1/2		1/2	
3/4	2,438.62	3/4	2,081.84	3/4	1,725.06	3/4	1,368.27	3/4	1,011.49	3/4	654.70	3/4	298.59	3/4		3/4		3/4	
5	2,431.19	5	2,074.41	5	1,717.62	5	1,360.84	5	1,004.05	5	647.27	5	291.39	5		5		5	
1/4	2,423.76	1/4	2,066.98	1/4	1,710.19	1/4	1,353.41	1/4	996.62	1/4	639.84	1/4	284.19	1/4		1/4		1/4	
1/2	2,416.33	1/2	2,059.55	1/2	1,702.76	1/2	1,345.98	1/2	989.19	1/2	632.41	1/2	277.09	1/2		1/2		1/2	
3/4	2,408.89	3/4	2,052.11	3/4	1,695.32	3/4	1,338.54	3/4	981.75	3/4	624.97	3/4	269.98	3/4		3/4		3/4	
6	2,401.46	6	2,044.68	6	1,687.89	6	1,331.11	6	974.32	6	617.54	6	262.88	6		6		6	
1/4	2,394.03	1/4	2,037.25	1/4	1,680.46	1/4	1,323.68	1/4	966.89	1/4	610.11	1/4	255.78	1/4		1/4		1/4	
1/2	2,386.60	1/2	2,029.81	1/2	1,673.03	1/2	1,316.25	1/2	959.46	1/2	602.68	1/2	248.70	1/2		1/2		1/2	
3/4	2,379.16	3/4	2,022.38	3/4	1,665.59	3/4	1,308.81	3/4	952.02	3/4	595.24	3/4	241.61	3/4		3/4		3/4	
7	2,371.73	7	2,014.94	7	1,658.16	7	1,301.38	7	944.59	7	587.81	7	234.53	7		7		7	
1/4	2,364.30	1/4	2,007.51	1/4	1,650.73	1/4	1,293.95	1/4	937.16	1/4	580.38	1/4	227.45	1/4		1/4		1/4	
1/2	2,356.87	1/2	2,000.08	1/2	1,643.30	1/2	1,286.51	1/2	929.73	1/2	572.95	1/2	220.47	1/2		1/2		1/2	
3/4	2,349.43	3/4	1,992.64	3/4	1,635.86	3/4	1,279.08	3/4	922.29	3/4	565.51	3/4	213.48	3/4		3/4		3/4	
8	2,342.00	8	1,985.21	8	1,628.43	8	1,271.64	8	914.86	8	558.08	8	206.50	8		8		8	
1/4	2,334.57	1/4	1,977.78	1/4	1,621.00	1/4	1,264.21	1/4	907.43	1/4	550.65	1/4	199.52	1/4		1/4		1/4	
1/2	2,327.13	1/2	1,970.35	1/2	1,613.57	1/2	1,256.78	1/2	900.00	1/2	543.21	1/2	192.57	1/2		1/2		1/2	
3/4	2,319.70	3/4	1,962.91	3/4	1,606.13	3/4	1,249.34	3/4	892.56	3/4	535.78	3/4	185.61	3/4		3/4		3/4	
9	2,312.26	9	1,955.48	9	1,598.70	9	1,241.91	9	885.13	9	528.34	9	178.66	9		9		9	
1/4	2,304.83	1/4	1,948.05	1/4	1,591.27	1/4	1,234.48	1/4	877.70	1/4	520.91	1/4	171.71	1/4		1/4		1/4	
1/2	2,297.40	1/2	1,940.62	1/2	1,583.83	1/2	1,227.05	1/2	870.26	1/2	513.37	1/2	165.03	1/2		1/2		1/2	
3/4	2,289.96	3/4	1,933.18	3/4	1,576.40	3/4	1,219.61	3/4	862.83	3/4	505.83	3/4	158.35	3/4		3/4		3/4	
10	2,282.53	10	1,925.75	10	1,568.96	10	1,212.18	10	855.39	10	498.29	10	151.68	10		10		10	
1/4	2,275.10	1/4	1,918.32	1/4	1,561.53	1/4	1,204.75	1/4	847.96	1/4	490.75	1/4	145.00	1/4		1/4		1/4	
1/2	2,267.67	1/2	1,910.89	1/2	1,554.10	1/2	1,197.32	1/2	840.53	1/2	483.17	1/2	138.41	1/2		1/2		1/2	
3/4	2,260.23	3/4	1,903.45	3/4	1,546.66	3/4	1,189.88	3/4	833.09	3/4	475.59	3/4	131.83	3/4		3/4		3/4	
11	2,252.80	11	1,896.02	11	1,539.23	11	1,182.45	11	825.66	11	468.01	11	125.24	11		11		11	
1/4	2,245.37	1/4	1,888.59	1/4	1,531.80	1/4	1,175.02	1/4	818.23	1/4	460.43	1/4	118.66	1/4		1/4		1/4	
1/2	2,237.94	1/2	1,881.15	1/2	1,524.37	1/2	1,167.59	1/2	810.80	1/2	452.91	1/2	112.16	1/2		1/2		1/2	
3/4	2,230.50	3/4	1,873.72	3/4	1,516.93	3/4	1,160.15	3/4	803.36	3/4	445.39	3/4	105.67	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2009 INS  
RECALCULATED: 08/23/2019 SW  
REPRINTED: 08/26/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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



# BARGE "HTCO 3067"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,793.92	0	4,437.07	0	4,075.53	0	3,713.99	0	3,352.46	0	2,990.92
1/4		1/4		1/4		1/4		1/4	4,786.78	1/4	4,429.54	1/4	4,068.00	1/4	3,706.46	1/4	3,344.93	1/4	2,983.39
1/2		1/2		1/2		1/2		1/2	4,779.64	1/2	4,422.01	1/2	4,060.47	1/2	3,698.93	1/2	3,337.40	1/2	2,975.86
3/4		3/4		3/4		3/4		3/4	4,772.50	3/4	4,414.48	3/4	4,052.93	3/4	3,691.40	3/4	3,329.87	3/4	2,968.33
1		1		1		1	5,094.33	1	4,765.35	1	4,406.94	1	4,045.40	1	3,683.87	1	3,322.33	1	2,960.79
1/4		1/4		1/4		1/4	5,090.07	1/4	4,758.21	1/4	4,399.41	1/4	4,037.87	1/4	3,676.34	1/4	3,314.80	1/4	2,953.26
1/2		1/2		1/2		1/2	5,084.75	1/2	4,751.07	1/2	4,391.88	1/2	4,030.34	1/2	3,668.81	1/2	3,307.27	1/2	2,945.73
3/4		3/4		3/4		3/4	5,079.42	3/4	4,743.93	3/4	4,384.35	3/4	4,022.80	3/4	3,661.28	3/4	3,299.74	3/4	2,938.20
2		2		2		2	5,074.10	2	4,736.79	2	4,376.81	2	4,015.27	2	3,653.74	2	3,292.20	2	2,930.67
1/4		1/4		1/4		1/4	5,068.77	1/4	4,729.65	1/4	4,369.28	1/4	4,007.74	1/4	3,646.21	1/4	3,284.67	1/4	2,923.14
1/2		1/2		1/2		1/2	5,062.42	1/2	4,722.41	1/2	4,361.75	1/2	4,000.21	1/2	3,638.68	1/2	3,277.14	1/2	2,915.61
3/4		3/4		3/4		3/4	5,056.07	3/4	4,715.17	3/4	4,354.21	3/4	3,992.68	3/4	3,631.15	3/4	3,269.61	3/4	2,908.08
3		3		3		3	5,049.71	3	4,707.93	3	4,346.68	3	3,985.15	3	3,623.61	3	3,262.07	3	2,900.54
1/4		1/4		1/4		1/4	5,043.36	1/4	4,700.69	1/4	4,339.15	1/4	3,977.62	1/4	3,616.08	1/4	3,254.54	1/4	2,893.01
1/2		1/2		1/2		1/2	5,036.35	1/2	4,693.16	1/2	4,331.62	1/2	3,970.09	1/2	3,608.55	1/2	3,247.01	1/2	2,885.48
3/4		3/4		3/4		3/4	5,029.35	3/4	4,685.63	3/4	4,324.08	3/4	3,962.55	3/4	3,601.02	3/4	3,239.48	3/4	2,877.95
4		4		4		4	5,022.34	4	4,678.09	4	4,316.55	4	3,955.02	4	3,593.48	4	3,231.95	4	2,870.41
1/4		1/4		1/4		1/4	5,015.33	1/4	4,670.56	1/4	4,309.02	1/4	3,947.49	1/4	3,585.95	1/4	3,224.42	1/4	2,862.88
1/2		1/2		1/2		1/2	5,008.19	1/2	4,663.03	1/2	4,301.49	1/2	3,939.96	1/2	3,578.42	1/2	3,216.89	1/2	2,855.35
3/4		3/4		3/4		3/4	5,001.05	3/4	4,655.50	3/4	4,293.96	3/4	3,932.42	3/4	3,570.89	3/4	3,209.36	3/4	2,847.82
5		5		5		5	4,993.90	5	4,647.96	5	4,286.43	5	3,924.89	5	3,563.35	5	3,201.82	5	2,840.28
1/4		1/4		1/4		1/4	4,986.76	1/4	4,640.43	1/4	4,278.90	1/4	3,917.36	1/4	3,555.82	1/4	3,194.29	1/4	2,832.75
1/2		1/2		1/2		1/2	4,979.62	1/2	4,632.90	1/2	4,271.37	1/2	3,909.83	1/2	3,548.29	1/2	3,186.76	1/2	2,825.22
3/4		3/4		3/4		3/4	4,972.48	3/4	4,625.37	3/4	4,263.83	3/4	3,902.29	3/4	3,540.76	3/4	3,179.23	3/4	2,817.69
6		6		6		6	4,965.33	6	4,617.83	6	4,256.30	6	3,894.76	6	3,533.23	6	3,171.69	6	2,810.15
1/4		1/4		1/4		1/4	4,958.19	1/4	4,610.30	1/4	4,248.77	1/4	3,887.23	1/4	3,525.70	1/4	3,164.16	1/4	2,802.62
1/2		1/2		1/2		1/2	4,951.05	1/2	4,602.77	1/2	4,241.24	1/2	3,879.70	1/2	3,518.17	1/2	3,156.63	1/2	2,795.09
3/4		3/4		3/4		3/4	4,943.91	3/4	4,595.24	3/4	4,233.70	3/4	3,872.16	3/4	3,510.64	3/4	3,149.10	3/4	2,787.56
7		7		7		7	4,936.76	7	4,587.71	7	4,226.17	7	3,864.63	7	3,503.10	7	3,141.56	7	2,780.03
1/4		1/4		1/4		1/4	4,929.62	1/4	4,580.18	1/4	4,218.64	1/4	3,857.10	1/4	3,495.57	1/4	3,134.03	1/4	2,772.50
1/2		1/2		1/2		1/2	4,922.48	1/2	4,572.65	1/2	4,211.11	1/2	3,849.57	1/2	3,488.04	1/2	3,126.50	1/2	2,764.97
3/4		3/4		3/4		3/4	4,915.34	3/4	4,565.12	3/4	4,203.57	3/4	3,842.04	3/4	3,480.51	3/4	3,118.97	3/4	2,757.44
8		8		8		8	4,908.19	8	4,557.58	8	4,196.04	8	3,834.51	8	3,472.97	8	3,111.43	8	2,749.90
1/4		1/4		1/4		1/4	4,901.05	1/4	4,550.05	1/4	4,188.51	1/4	3,826.98	1/4	3,465.44	1/4	3,103.90	1/4	2,742.37
1/2		1/2		1/2		1/2	4,893.91	1/2	4,542.52	1/2	4,180.98	1/2	3,819.45	1/2	3,457.91	1/2	3,096.37	1/2	2,734.84
3/4		3/4		3/4		3/4	4,886.77	3/4	4,534.99	3/4	4,173.44	3/4	3,811.91	3/4	3,450.38	3/4	3,088.84	3/4	2,727.31
9		9		9		9	4,879.63	9	4,527.45	9	4,165.91	9	3,804.38	9	3,442.84	9	3,081.31	9	2,719.77
1/4		1/4		1/4		1/4	4,872.49	1/4	4,519.92	1/4	4,158.38	1/4	3,796.85	1/4	3,435.31	1/4	3,073.78	1/4	2,712.24
1/2		1/2		1/2		1/2	4,865.35	1/2	4,512.39	1/2	4,150.85	1/2	3,789.32	1/2	3,427.78	1/2	3,066.25	1/2	2,704.71
3/4		3/4		3/4		3/4	4,858.21	3/4	4,504.86	3/4	4,143.32	3/4	3,781.79	3/4	3,420.25	3/4	3,058.72	3/4	2,697.18
10		10		10		10	4,851.06	10	4,497.32	10	4,135.79	10	3,774.25	10	3,412.71	10	3,051.18	10	2,689.64
1/4		1/4		1/4		1/4	4,843.92	1/4	4,489.79	1/4	4,128.26	1/4	3,766.72	1/4	3,405.18	1/4	3,043.65	1/4	2,682.11
1/2		1/2		1/2		1/2	4,836.78	1/2	4,482.26	1/2	4,120.73	1/2	3,759.19	1/2	3,397.65	1/2	3,036.12	1/2	2,674.58
3/4		3/4		3/4		3/4	4,829.64	3/4	4,474.73	3/4	4,113.19	3/4	3,751.66	3/4	3,390.12	3/4	3,028.59	3/4	2,667.05
11		11		11		11	4,822.49	11	4,467.19	11	4,105.66	11	3,744.12	11	3,382.59	11	3,021.05	11	2,659.51
1/4		1/4		1/4		1/4	4,815.35	1/4	4,459.66	1/4	4,098.13	1/4	3,736.59	1/4	3,375.06	1/4	3,013.52	1/4	2,651.98
1/2		1/2		1/2		1/2	4,808.21	1/2	4,452.13	1/2	4,090.60	1/2	3,729.06	1/2	3,367.53	1/2	3,005.99	1/2	2,644.45
3/4		3/4		3/4		3/4	4,801.07	3/4	4,444.60	3/4	4,083.06	3/4	3,721.53	3/4	3,360.00	3/4	2,998.46	3/4	2,636.92

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 47'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "HTCO 3067"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,629.39	0	2,267.85	0	1,906.31	0	1,544.78	0	1,183.24	0	821.71	0	460.17	0	104.62	0		0	
1/4	2,621.86	1/4	2,260.32	1/4	1,898.78	1/4	1,537.25	1/4	1,175.71	1/4	814.18	1/4	452.64	1/4	97.68	1/4		1/4	
1/2	2,614.33	1/2	2,252.79	1/2	1,891.25	1/2	1,529.72	1/2	1,168.18	1/2	806.65	1/2	445.11	1/2	90.75	1/2		1/2	
3/4	2,606.80	3/4	2,245.26	3/4	1,883.72	3/4	1,522.19	3/4	1,160.65	3/4	799.12	3/4	437.58	3/4	83.82	3/4		3/4	
1	2,599.26	1	2,237.72	1	1,876.19	1	1,514.65	1	1,153.11	1	791.58	1	430.04	1	76.88	1		1	
1/4	2,591.73	1/4	2,230.19	1/4	1,868.66	1/4	1,507.12	1/4	1,145.58	1/4	784.05	1/4	422.51	1/4	69.95	1/4		1/4	
1/2	2,584.20	1/2	2,222.66	1/2	1,861.13	1/2	1,499.59	1/2	1,138.05	1/2	776.52	1/2	414.98	1/2	63.14	1/2		1/2	
3/4	2,576.67	3/4	2,215.13	3/4	1,853.60	3/4	1,492.06	3/4	1,130.52	3/4	768.99	3/4	407.45	3/4	56.33	3/4		3/4	
2	2,569.13	2	2,207.59	2	1,846.06	2	1,484.52	2	1,122.99	2	761.45	2	399.91	2	49.52	2		2	
1/4	2,561.60	1/4	2,200.06	1/4	1,838.53	1/4	1,476.99	1/4	1,115.46	1/4	753.92	1/4	392.38	1/4	42.71	1/4		1/4	
1/2	2,554.07	1/2	2,192.53	1/2	1,831.00	1/2	1,469.46	1/2	1,107.93	1/2	746.39	1/2	384.85	1/2	37.43	1/2		1/2	
3/4	2,546.54	3/4	2,185.00	3/4	1,823.47	3/4	1,461.93	3/4	1,100.40	3/4	738.86	3/4	377.32	3/4	32.15	3/4		3/4	
3	2,539.00	3	2,177.47	3	1,815.93	3	1,454.39	3	1,092.86	3	731.32	3	369.79	3	26.87	3		3	
1/4	2,531.47	1/4	2,169.94	1/4	1,808.40	1/4	1,446.86	1/4	1,085.33	1/4	723.79	1/4	362.26	1/4	21.59	1/4		1/4	
1/2	2,523.94	1/2	2,162.41	1/2	1,800.87	1/2	1,439.33	1/2	1,077.80	1/2	716.26	1/2	354.73	1/2	18.06	1/2		1/2	
3/4	2,516.41	3/4	2,154.88	3/4	1,793.34	3/4	1,431.80	3/4	1,070.27	3/4	708.73	3/4	347.20	3/4		3/4		3/4	
4	2,508.87	4	2,147.34	4	1,785.80	4	1,424.27	4	1,062.73	4	701.19	4	339.66	4		4		4	
1/4	2,501.34	1/4	2,139.81	1/4	1,778.27	1/4	1,416.74	1/4	1,055.20	1/4	693.66	1/4	332.13	1/4		1/4		1/4	
1/2	2,493.81	1/2	2,132.28	1/2	1,770.74	1/2	1,409.21	1/2	1,047.67	1/2	686.13	1/2	324.60	1/2		1/2		1/2	
3/4	2,486.28	3/4	2,124.75	3/4	1,763.21	3/4	1,401.68	3/4	1,040.14	3/4	678.60	3/4	317.07	3/4		3/4		3/4	
5	2,478.75	5	2,117.21	5	1,755.67	5	1,394.14	5	1,032.60	5	671.07	5	309.53	5		5		5	
1/4	2,471.22	1/4	2,109.68	1/4	1,748.14	1/4	1,386.61	1/4	1,025.07	1/4	663.54	1/4	302.00	1/4		1/4		1/4	
1/2	2,463.69	1/2	2,102.15	1/2	1,740.61	1/2	1,379.08	1/2	1,017.54	1/2	656.01	1/2	294.47	1/2		1/2		1/2	
3/4	2,456.16	3/4	2,094.62	3/4	1,733.08	3/4	1,371.55	3/4	1,010.01	3/4	648.48	3/4	286.94	3/4		3/4		3/4	
6	2,448.62	6	2,087.08	6	1,725.55	6	1,364.01	6	1,002.47	6	640.94	6	279.40	6		6		6	
1/4	2,441.09	1/4	2,079.55	1/4	1,718.02	1/4	1,356.48	1/4	994.94	1/4	633.41	1/4	271.87	1/4		1/4		1/4	
1/2	2,433.56	1/2	2,072.02	1/2	1,710.49	1/2	1,348.95	1/2	987.41	1/2	625.88	1/2	264.34	1/2		1/2		1/2	
3/4	2,426.03	3/4	2,064.49	3/4	1,702.96	3/4	1,341.42	3/4	979.88	3/4	618.35	3/4	256.81	3/4		3/4		3/4	
7	2,418.49	7	2,056.95	7	1,695.42	7	1,333.88	7	972.35	7	610.81	7	249.27	7		7		7	
1/4	2,410.96	1/4	2,049.42	1/4	1,687.89	1/4	1,326.35	1/4	964.82	1/4	603.28	1/4	241.74	1/4		1/4		1/4	
1/2	2,403.43	1/2	2,041.89	1/2	1,680.36	1/2	1,318.82	1/2	957.29	1/2	595.75	1/2	234.21	1/2		1/2		1/2	
3/4	2,395.90	3/4	2,034.36	3/4	1,672.83	3/4	1,311.29	3/4	949.76	3/4	588.22	3/4	226.68	3/4		3/4		3/4	
8	2,388.36	8	2,026.83	8	1,665.29	8	1,303.75	8	942.22	8	580.68	8	219.15	8		8		8	
1/4	2,380.83	1/4	2,019.30	1/4	1,657.76	1/4	1,296.22	1/4	934.69	1/4	573.15	1/4	211.62	1/4		1/4		1/4	
1/2	2,373.30	1/2	2,011.77	1/2	1,650.23	1/2	1,288.69	1/2	927.16	1/2	565.62	1/2	204.09	1/2		1/2		1/2	
3/4	2,365.77	3/4	2,004.24	3/4	1,642.70	3/4	1,281.16	3/4	919.63	3/4	558.09	3/4	196.56	3/4		3/4		3/4	
9	2,358.23	9	1,996.70	9	1,635.16	9	1,273.63	9	912.09	9	550.55	9	189.02	9		9		9	
1/4	2,350.70	1/4	1,989.17	1/4	1,627.63	1/4	1,266.10	1/4	904.56	1/4	543.02	1/4	181.49	1/4		1/4		1/4	
1/2	2,343.17	1/2	1,981.64	1/2	1,620.10	1/2	1,258.57	1/2	897.03	1/2	535.49	1/2	174.41	1/2		1/2		1/2	
3/4	2,335.64	3/4	1,974.11	3/4	1,612.57	3/4	1,251.04	3/4	889.50	3/4	527.96	3/4	167.32	3/4		3/4		3/4	
10	2,328.11	10	1,966.57	10	1,605.03	10	1,243.50	10	881.96	10	520.43	10	160.24	10		10		10	
1/4	2,320.58	1/4	1,959.04	1/4	1,597.50	1/4	1,235.97	1/4	874.43	1/4	512.90	1/4	153.15	1/4		1/4		1/4	
1/2	2,313.05	1/2	1,951.51	1/2	1,589.97	1/2	1,228.44	1/2	866.90	1/2	505.37	1/2	146.22	1/2		1/2		1/2	
3/4	2,305.52	3/4	1,943.98	3/4	1,582.44	3/4	1,220.91	3/4	859.37	3/4	497.84	3/4	139.29	3/4		3/4		3/4	
11	2,297.98	11	1,936.44	11	1,574.91	11	1,213.37	11	851.83	11	490.30	11	132.35	11		11		11	
1/4	2,290.45	1/4	1,928.91	1/4	1,567.38	1/4	1,205.84	1/4	844.30	1/4	482.77	1/4	125.42	1/4		1/4		1/4	
1/2	2,282.92	1/2	1,921.38	1/2	1,559.85	1/2	1,198.31	1/2	836.77	1/2	475.24	1/2	118.49	1/2		1/2		1/2	
3/4	2,275.39	3/4	1,913.85	3/4	1,552.32	3/4	1,190.78	3/4	829.24	3/4	467.71	3/4	111.55	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2009 INS  
RECALCULATED: 08/23/2019 SW  
REPRINTED: 08/26/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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



# BARGE "HTCO 3067"

## 2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,793.92	0	4,437.07	0	4,075.53	0	3,713.99	0	3,352.46	0	2,990.92
1/4		1/4		1/4		1/4		1/4	4,786.78	1/4	4,429.54	1/4	4,068.00	1/4	3,706.46	1/4	3,344.93	1/4	2,983.39
1/2		1/2		1/2		1/2		1/2	4,779.64	1/2	4,422.01	1/2	4,060.47	1/2	3,698.93	1/2	3,337.40	1/2	2,975.86
3/4		3/4		3/4		3/4		3/4	4,772.50	3/4	4,414.48	3/4	4,052.93	3/4	3,691.40	3/4	3,329.87	3/4	2,968.33
1		1		1		1	5,094.33	1	4,765.35	1	4,406.94	1	4,045.40	1	3,683.87	1	3,322.33	1	2,960.79
1/4		1/4		1/4		1/4	5,090.07	1/4	4,758.21	1/4	4,399.41	1/4	4,037.87	1/4	3,676.34	1/4	3,314.80	1/4	2,953.26
1/2		1/2		1/2		1/2	5,084.75	1/2	4,751.07	1/2	4,391.88	1/2	4,030.34	1/2	3,668.81	1/2	3,307.27	1/2	2,945.73
3/4		3/4		3/4		3/4	5,079.42	3/4	4,743.93	3/4	4,384.35	3/4	4,022.80	3/4	3,661.28	3/4	3,299.74	3/4	2,938.20
2		2		2		2	5,074.10	2	4,736.79	2	4,376.81	2	4,015.27	2	3,653.74	2	3,292.20	2	2,930.67
1/4		1/4		1/4		1/4	5,068.77	1/4	4,729.65	1/4	4,369.28	1/4	4,007.74	1/4	3,646.21	1/4	3,284.67	1/4	2,923.14
1/2		1/2		1/2		1/2	5,062.42	1/2	4,722.41	1/2	4,361.75	1/2	4,000.21	1/2	3,638.68	1/2	3,277.14	1/2	2,915.61
3/4		3/4		3/4		3/4	5,056.07	3/4	4,715.17	3/4	4,354.21	3/4	3,992.68	3/4	3,631.15	3/4	3,269.61	3/4	2,908.08
3		3		3		3	5,049.71	3	4,707.93	3	4,346.68	3	3,985.15	3	3,623.61	3	3,262.07	3	2,900.54
1/4		1/4		1/4		1/4	5,043.36	1/4	4,700.69	1/4	4,339.15	1/4	3,977.62	1/4	3,616.08	1/4	3,254.54	1/4	2,893.01
1/2		1/2		1/2		1/2	5,036.35	1/2	4,693.16	1/2	4,331.62	1/2	3,970.09	1/2	3,608.55	1/2	3,247.01	1/2	2,885.48
3/4		3/4		3/4		3/4	5,029.35	3/4	4,685.63	3/4	4,324.08	3/4	3,962.55	3/4	3,601.02	3/4	3,239.48	3/4	2,877.95
4		4		4		4	5,022.34	4	4,678.09	4	4,316.55	4	3,955.02	4	3,593.48	4	3,231.95	4	2,870.41
1/4		1/4		1/4		1/4	5,015.33	1/4	4,670.56	1/4	4,309.02	1/4	3,947.49	1/4	3,585.95	1/4	3,224.42	1/4	2,862.88
1/2		1/2		1/2		1/2	5,008.19	1/2	4,663.03	1/2	4,301.49	1/2	3,939.96	1/2	3,578.42	1/2	3,216.89	1/2	2,855.35
3/4		3/4		3/4		3/4	5,001.05	3/4	4,655.50	3/4	4,293.96	3/4	3,932.42	3/4	3,570.89	3/4	3,209.36	3/4	2,847.82
5		5		5		5	4,993.90	5	4,647.96	5	4,286.43	5	3,924.89	5	3,563.35	5	3,201.82	5	2,840.28
1/4		1/4		1/4		1/4	4,986.76	1/4	4,640.43	1/4	4,278.90	1/4	3,917.36	1/4	3,555.82	1/4	3,194.29	1/4	2,832.75
1/2		1/2		1/2		1/2	4,979.62	1/2	4,632.90	1/2	4,271.37	1/2	3,909.83	1/2	3,548.29	1/2	3,186.76	1/2	2,825.22
3/4		3/4		3/4		3/4	4,972.48	3/4	4,625.37	3/4	4,263.83	3/4	3,902.29	3/4	3,540.76	3/4	3,179.23	3/4	2,817.69
6		6		6		6	4,965.33	6	4,617.83	6	4,256.30	6	3,894.76	6	3,533.23	6	3,171.69	6	2,810.15
1/4		1/4		1/4		1/4	4,958.19	1/4	4,610.30	1/4	4,248.77	1/4	3,887.23	1/4	3,525.70	1/4	3,164.16	1/4	2,802.62
1/2		1/2		1/2		1/2	4,951.05	1/2	4,602.77	1/2	4,241.24	1/2	3,879.70	1/2	3,518.17	1/2	3,156.63	1/2	2,795.09
3/4		3/4		3/4		3/4	4,943.91	3/4	4,595.24	3/4	4,233.70	3/4	3,872.16	3/4	3,510.64	3/4	3,149.10	3/4	2,787.56
7		7		7		7	4,936.76	7	4,587.71	7	4,226.17	7	3,864.63	7	3,503.10	7	3,141.56	7	2,780.03
1/4		1/4		1/4		1/4	4,929.62	1/4	4,580.18	1/4	4,218.64	1/4	3,857.10	1/4	3,495.57	1/4	3,134.03	1/4	2,772.50
1/2		1/2		1/2		1/2	4,922.48	1/2	4,572.65	1/2	4,211.11	1/2	3,849.57	1/2	3,488.04	1/2	3,126.50	1/2	2,764.97
3/4		3/4		3/4		3/4	4,915.34	3/4	4,565.12	3/4	4,203.57	3/4	3,842.04	3/4	3,480.51	3/4	3,118.97	3/4	2,757.44
8		8		8		8	4,908.19	8	4,557.58	8	4,196.04	8	3,834.51	8	3,472.97	8	3,111.43	8	2,749.90
1/4		1/4		1/4		1/4	4,901.05	1/4	4,550.05	1/4	4,188.51	1/4	3,826.98	1/4	3,465.44	1/4	3,103.90	1/4	2,742.37
1/2		1/2		1/2		1/2	4,893.91	1/2	4,542.52	1/2	4,180.98	1/2	3,819.45	1/2	3,457.91	1/2	3,096.37	1/2	2,734.84
3/4		3/4		3/4		3/4	4,886.77	3/4	4,534.99	3/4	4,173.44	3/4	3,811.91	3/4	3,450.38	3/4	3,088.84	3/4	2,727.31
9		9		9		9	4,879.63	9	4,527.45	9	4,165.91	9	3,804.38	9	3,442.84	9	3,081.31	9	2,719.77
1/4		1/4		1/4		1/4	4,872.49	1/4	4,519.92	1/4	4,158.38	1/4	3,796.85	1/4	3,435.31	1/4	3,073.78	1/4	2,712.24
1/2		1/2		1/2		1/2	4,865.35	1/2	4,512.39	1/2	4,150.85	1/2	3,789.32	1/2	3,427.78	1/2	3,066.25	1/2	2,704.71
3/4		3/4		3/4		3/4	4,858.21	3/4	4,504.86	3/4	4,143.32	3/4	3,781.79	3/4	3,420.25	3/4	3,058.72	3/4	2,697.18
10		10		10		10	4,851.06	10	4,497.32	10	4,135.79	10	3,774.25	10	3,412.71	10	3,051.18	10	2,689.64
1/4		1/4		1/4		1/4	4,843.92	1/4	4,489.79	1/4	4,128.26	1/4	3,766.72	1/4	3,405.18	1/4	3,043.65	1/4	2,682.11
1/2		1/2		1/2		1/2	4,836.78	1/2	4,482.26	1/2	4,120.73	1/2	3,759.19	1/2	3,397.65	1/2	3,036.12	1/2	2,674.58
3/4		3/4		3/4		3/4	4,829.64	3/4	4,474.73	3/4	4,113.19	3/4	3,751.66	3/4	3,390.12	3/4	3,028.59	3/4	2,667.05
11		11		11		11	4,822.49	11	4,467.19	11	4,105.66	11	3,744.12	11	3,382.59	11	3,021.05	11	2,659.51
1/4		1/4		1/4		1/4	4,815.35	1/4	4,459.66	1/4	4,098.13	1/4	3,736.59	1/4	3,375.06	1/4	3,013.52	1/4	2,651.98
1/2		1/2		1/2		1/2	4,808.21	1/2	4,452.13	1/2	4,090.60	1/2	3,729.06	1/2	3,367.53	1/2	3,005.99	1/2	2,644.45
3/4		3/4		3/4		3/4	4,801.07	3/4	4,444.60	3/4	4,083.06	3/4	3,721.53	3/4	3,360.00	3/4	2,998.46	3/4	2,636.92

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 47'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "HTCO 3067"

## 2 STBD

### ULLAGE TABLE HERMETIC

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,629.39	0	2,267.85	0	1,906.31	0	1,544.78	0	1,183.24	0	821.71	0	460.17	0	104.62	0		0	
1/4	2,621.86	1/4	2,260.32	1/4	1,898.78	1/4	1,537.25	1/4	1,175.71	1/4	814.18	1/4	452.64	1/4	97.68	1/4		1/4	
1/2	2,614.33	1/2	2,252.79	1/2	1,891.25	1/2	1,529.72	1/2	1,168.18	1/2	806.65	1/2	445.11	1/2	90.75	1/2		1/2	
3/4	2,606.80	3/4	2,245.26	3/4	1,883.72	3/4	1,522.19	3/4	1,160.65	3/4	799.12	3/4	437.58	3/4	83.82	3/4		3/4	
1	2,599.26	1	2,237.72	1	1,876.19	1	1,514.65	1	1,153.11	1	791.58	1	430.04	1	76.88	1		1	
1/4	2,591.73	1/4	2,230.19	1/4	1,868.66	1/4	1,507.12	1/4	1,145.58	1/4	784.05	1/4	422.51	1/4	69.95	1/4		1/4	
1/2	2,584.20	1/2	2,222.66	1/2	1,861.13	1/2	1,499.59	1/2	1,138.05	1/2	776.52	1/2	414.98	1/2	63.14	1/2		1/2	
3/4	2,576.67	3/4	2,215.13	3/4	1,853.60	3/4	1,492.06	3/4	1,130.52	3/4	768.99	3/4	407.45	3/4	56.33	3/4		3/4	
2	2,569.13	2	2,207.59	2	1,846.06	2	1,484.52	2	1,122.99	2	761.45	2	399.91	2	49.52	2		2	
1/4	2,561.60	1/4	2,200.06	1/4	1,838.53	1/4	1,476.99	1/4	1,115.46	1/4	753.92	1/4	392.38	1/4	42.71	1/4		1/4	
1/2	2,554.07	1/2	2,192.53	1/2	1,831.00	1/2	1,469.46	1/2	1,107.93	1/2	746.39	1/2	384.85	1/2	37.43	1/2		1/2	
3/4	2,546.54	3/4	2,185.00	3/4	1,823.47	3/4	1,461.93	3/4	1,100.40	3/4	738.86	3/4	377.32	3/4	32.15	3/4		3/4	
3	2,539.00	3	2,177.47	3	1,815.93	3	1,454.39	3	1,092.86	3	731.32	3	369.79	3	26.87	3		3	
1/4	2,531.47	1/4	2,169.94	1/4	1,808.40	1/4	1,446.86	1/4	1,085.33	1/4	723.79	1/4	362.26	1/4	21.59	1/4		1/4	
1/2	2,523.94	1/2	2,162.41	1/2	1,800.87	1/2	1,439.33	1/2	1,077.80	1/2	716.26	1/2	354.73	1/2	18.06	1/2		1/2	
3/4	2,516.41	3/4	2,154.88	3/4	1,793.34	3/4	1,431.80	3/4	1,070.27	3/4	708.73	3/4	347.20	3/4		3/4		3/4	
4	2,508.87	4	2,147.34	4	1,785.80	4	1,424.27	4	1,062.73	4	701.19	4	339.66	4		4		4	
1/4	2,501.34	1/4	2,139.81	1/4	1,778.27	1/4	1,416.74	1/4	1,055.20	1/4	693.66	1/4	332.13	1/4		1/4		1/4	
1/2	2,493.81	1/2	2,132.28	1/2	1,770.74	1/2	1,409.21	1/2	1,047.67	1/2	686.13	1/2	324.60	1/2		1/2		1/2	
3/4	2,486.28	3/4	2,124.75	3/4	1,763.21	3/4	1,401.68	3/4	1,040.14	3/4	678.60	3/4	317.07	3/4		3/4		3/4	
5	2,478.75	5	2,117.21	5	1,755.67	5	1,394.14	5	1,032.60	5	671.07	5	309.53	5		5		5	
1/4	2,471.22	1/4	2,109.68	1/4	1,748.14	1/4	1,386.61	1/4	1,025.07	1/4	663.54	1/4	302.00	1/4		1/4		1/4	
1/2	2,463.69	1/2	2,102.15	1/2	1,740.61	1/2	1,379.08	1/2	1,017.54	1/2	656.01	1/2	294.47	1/2		1/2		1/2	
3/4	2,456.16	3/4	2,094.62	3/4	1,733.08	3/4	1,371.55	3/4	1,010.01	3/4	648.48	3/4	286.94	3/4		3/4		3/4	
6	2,448.62	6	2,087.08	6	1,725.55	6	1,364.01	6	1,002.47	6	640.94	6	279.40	6		6		6	
1/4	2,441.09	1/4	2,079.55	1/4	1,718.02	1/4	1,356.48	1/4	994.94	1/4	633.41	1/4	271.87	1/4		1/4		1/4	
1/2	2,433.56	1/2	2,072.02	1/2	1,710.49	1/2	1,348.95	1/2	987.41	1/2	625.88	1/2	264.34	1/2		1/2		1/2	
3/4	2,426.03	3/4	2,064.49	3/4	1,702.96	3/4	1,341.42	3/4	979.88	3/4	618.35	3/4	256.81	3/4		3/4		3/4	
7	2,418.49	7	2,056.95	7	1,695.42	7	1,333.88	7	972.35	7	610.81	7	249.27	7		7		7	
1/4	2,410.96	1/4	2,049.42	1/4	1,687.89	1/4	1,326.35	1/4	964.82	1/4	603.28	1/4	241.74	1/4		1/4		1/4	
1/2	2,403.43	1/2	2,041.89	1/2	1,680.36	1/2	1,318.82	1/2	957.29	1/2	595.75	1/2	234.21	1/2		1/2		1/2	
3/4	2,395.90	3/4	2,034.36	3/4	1,672.83	3/4	1,311.29	3/4	949.76	3/4	588.22	3/4	226.68	3/4		3/4		3/4	
8	2,388.36	8	2,026.83	8	1,665.29	8	1,303.75	8	942.22	8	580.68	8	219.15	8		8		8	
1/4	2,380.83	1/4	2,019.30	1/4	1,657.76	1/4	1,296.22	1/4	934.69	1/4	573.15	1/4	211.62	1/4		1/4		1/4	
1/2	2,373.30	1/2	2,011.77	1/2	1,650.23	1/2	1,288.69	1/2	927.16	1/2	565.62	1/2	204.09	1/2		1/2		1/2	
3/4	2,365.77	3/4	2,004.24	3/4	1,642.70	3/4	1,281.16	3/4	919.63	3/4	558.09	3/4	196.56	3/4		3/4		3/4	
9	2,358.23	9	1,996.70	9	1,635.16	9	1,273.63	9	912.09	9	550.55	9	189.02	9		9		9	
1/4	2,350.70	1/4	1,989.17	1/4	1,627.63	1/4	1,266.10	1/4	904.56	1/4	543.02	1/4	181.49	1/4		1/4		1/4	
1/2	2,343.17	1/2	1,981.64	1/2	1,620.10	1/2	1,258.57	1/2	897.03	1/2	535.49	1/2	174.41	1/2		1/2		1/2	
3/4	2,335.64	3/4	1,974.11	3/4	1,612.57	3/4	1,251.04	3/4	889.50	3/4	527.96	3/4	167.32	3/4		3/4		3/4	
10	2,328.11	10	1,966.57	10	1,605.03	10	1,243.50	10	881.96	10	520.43	10	160.24	10		10		10	
1/4	2,320.58	1/4	1,959.04	1/4	1,597.50	1/4	1,235.97	1/4	874.43	1/4	512.90	1/4	153.15	1/4		1/4		1/4	
1/2	2,313.05	1/2	1,951.51	1/2	1,589.97	1/2	1,228.44	1/2	866.90	1/2	505.37	1/2	146.22	1/2		1/2		1/2	
3/4	2,305.52	3/4	1,943.98	3/4	1,582.44	3/4	1,220.91	3/4	859.37	3/4	497.84	3/4	139.29	3/4		3/4		3/4	
11	2,297.98	11	1,936.44	11	1,574.91	11	1,213.37	11	851.83	11	490.30	11	132.35	11		11		11	
1/4	2,290.45	1/4	1,928.91	1/4	1,567.38	1/4	1,205.84	1/4	844.30	1/4	482.77	1/4	125.42	1/4		1/4		1/4	
1/2	2,282.92	1/2	1,921.38	1/2	1,559.85	1/2	1,198.31	1/2	836.77	1/2	475.24	1/2	118.49	1/2		1/2		1/2	
3/4	2,275.39	3/4	1,913.85	3/4	1,552.32	3/4	1,190.78	3/4	829.24	3/4	467.71	3/4	111.55	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2009 INS  
RECALCULATED: 08/23/2019 SW  
REPRINTED: 08/26/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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



# BARGE "HTCO 3067"

## 3 PORT ULLAGE TABLE

### HERMETIC

GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	3,880.99	0	3,773.18	0	3,665.37	0	3,557.57	0	3,337.42	0	2,979.30
1/4		1/4		1/4		1/4		1/4	3,878.75	1/4	3,770.94	1/4	3,663.13	1/4	3,555.32	1/4	3,329.96	1/4	2,971.83
1/2		1/2		1/2		1/2		1/2	3,876.50	1/2	3,768.69	1/2	3,660.88	1/2	3,553.07	1/2	3,322.50	1/2	2,964.37
3/4		3/4		3/4		3/4		3/4	3,874.25	3/4	3,766.44	3/4	3,658.64	3/4	3,550.83	3/4	3,315.04	3/4	2,956.91
1		1		1		1		1	3,872.01	1	3,764.20	1	3,656.39	1	3,548.58	1	3,307.58	1	2,949.45
1/4		1/4		1/4		1/4		1/4	3,973.15	1/4	3,869.76	1/4	3,761.95	1/4	3,654.15	1/4	3,546.34	1/4	3,300.12
1/2		1/2		1/2		1/2		1/2	3,971.82	1/2	3,867.51	1/2	3,759.70	1/2	3,651.90	1/2	3,544.09	1/2	3,292.66
3/4		3/4		3/4		3/4		3/4	3,970.16	3/4	3,865.27	3/4	3,757.46	3/4	3,649.65	3/4	3,541.84	3/4	3,285.20
2		2		2		2		2	3,968.49	2	3,863.02	2	3,755.21	2	3,647.41	2	3,539.60	2	3,277.74
1/4		1/4		1/4		1/4		1/4	3,966.83	1/4	3,860.78	1/4	3,752.97	1/4	3,645.16	1/4	3,537.35	1/4	3,270.27
1/2		1/2		1/2		1/2		1/2	3,965.16	1/2	3,858.53	1/2	3,750.72	1/2	3,642.91	1/2	3,535.10	1/2	3,262.81
3/4		3/4		3/4		3/4		3/4	3,963.17	3/4	3,856.28	3/4	3,748.48	3/4	3,640.67	3/4	3,532.78	3/4	3,255.35
3		3		3		3		3	3,961.17	3	3,854.04	3	3,746.23	3	3,638.42	3	3,530.47	3	3,247.89
1/4		1/4		1/4		1/4		1/4	3,959.18	1/4	3,851.79	1/4	3,743.99	1/4	3,636.18	1/4	3,528.15	1/4	3,240.43
1/2		1/2		1/2		1/2		1/2	3,957.18	1/2	3,849.54	1/2	3,741.74	1/2	3,633.93	1/2	3,525.83	1/2	3,232.97
3/4		3/4		3/4		3/4		3/4	3,954.98	3/4	3,847.30	3/4	3,739.49	3/4	3,631.68	3/4	3,522.96	3/4	3,225.51
4		4		4		4		4	3,952.78	4	3,845.05	4	3,737.25	4	3,629.44	4	3,520.08	4	3,218.05
1/4		1/4		1/4		1/4		1/4	3,950.57	1/4	3,842.81	1/4	3,735.00	1/4	3,627.19	1/4	3,517.21	1/4	3,210.58
1/2		1/2		1/2		1/2		1/2	3,948.37	1/2	3,840.56	1/2	3,732.75	1/2	3,624.94	1/2	3,514.33	1/2	3,203.12
3/4		3/4		3/4		3/4		3/4	3,946.12	3/4	3,838.32	3/4	3,730.51	3/4	3,622.70	3/4	3,510.73	3/4	3,195.66
5		5		5		5		5	3,943.88	5	3,836.07	5	3,728.26	5	3,620.45	5	3,507.13	5	3,188.20
1/4		1/4		1/4		1/4		1/4	3,941.63	1/4	3,833.83	1/4	3,726.02	1/4	3,618.21	1/4	3,503.52	1/4	3,180.74
1/2		1/2		1/2		1/2		1/2	3,939.38	1/2	3,831.58	1/2	3,723.77	1/2	3,615.96	1/2	3,499.92	1/2	3,173.28
3/4		3/4		3/4		3/4		3/4	3,937.14	3/4	3,829.33	3/4	3,721.52	3/4	3,613.72	3/4	3,495.54	3/4	3,165.82
6		6		6		6		6	3,934.89	6	3,827.09	6	3,719.28	6	3,611.47	6	3,491.17	6	3,158.36
1/4		1/4		1/4		1/4		1/4	3,932.65	1/4	3,824.84	1/4	3,717.03	1/4	3,609.23	1/4	3,486.79	1/4	3,150.90
1/2		1/2		1/2		1/2		1/2	3,930.40	1/2	3,822.59	1/2	3,714.78	1/2	3,606.98	1/2	3,482.41	1/2	3,143.44
3/4		3/4		3/4		3/4		3/4	3,928.16	3/4	3,820.35	3/4	3,712.54	3/4	3,604.73	3/4	3,477.26	3/4	3,135.98
7		7		7		7		7	3,925.91	7	3,818.10	7	3,710.29	7	3,602.49	7	3,472.11	7	3,128.52
1/4		1/4		1/4		1/4		1/4	3,923.67	1/4	3,815.86	1/4	3,708.05	1/4	3,600.24	1/4	3,466.96	1/4	3,121.05
1/2		1/2		1/2		1/2		1/2	3,921.42	1/2	3,813.61	1/2	3,705.80	1/2	3,597.99	1/2	3,461.81	1/2	3,113.59
3/4		3/4		3/4		3/4		3/4	3,919.17	3/4	3,811.36	3/4	3,703.56	3/4	3,595.75	3/4	3,455.88	3/4	3,106.13
8		8		8		8		8	3,916.93	8	3,809.12	8	3,701.31	8	3,593.50	8	3,449.96	8	3,098.67
1/4		1/4		1/4		1/4		1/4	3,914.68	1/4	3,806.87	1/4	3,699.07	1/4	3,591.26	1/4	3,444.03	1/4	3,091.21
1/2		1/2		1/2		1/2		1/2	3,912.43	1/2	3,804.62	1/2	3,696.82	1/2	3,589.01	1/2	3,438.10	1/2	3,083.75
3/4		3/4		3/4		3/4		3/4	3,910.19	3/4	3,802.38	3/4	3,694.57	3/4	3,586.76	3/4	3,431.40	3/4	3,076.29
9		9		9		9		9	3,907.94	9	3,800.13	9	3,692.33	9	3,584.52	9	3,424.70	9	3,068.83
1/4		1/4		1/4		1/4		1/4	3,905.70	1/4	3,797.89	1/4	3,690.08	1/4	3,582.27	1/4	3,417.99	1/4	3,061.36
1/2		1/2		1/2		1/2		1/2	3,903.45	1/2	3,795.64	1/2	3,687.83	1/2	3,580.02	1/2	3,411.29	1/2	3,053.90
3/4		3/4		3/4		3/4		3/4	3,901.20	3/4	3,793.40	3/4	3,685.59	3/4	3,577.78	3/4	3,404.02	3/4	3,046.44
10		10		10		10		10	3,898.96	10	3,791.15	10	3,683.34	10	3,575.53	10	3,396.74	10	3,038.98
1/4		1/4		1/4		1/4		1/4	3,896.71	1/4	3,788.91	1/4	3,681.10	1/4	3,573.29	1/4	3,389.47	1/4	3,031.52
1/2		1/2		1/2		1/2		1/2	3,894.46	1/2	3,786.66	1/2	3,678.85	1/2	3,571.04	1/2	3,382.19	1/2	3,024.06
3/4		3/4		3/4		3/4		3/4	3,892.22	3/4	3,784.41	3/4	3,676.60	3/4	3,568.80	3/4	3,374.73	3/4	3,016.60
11		11		11		11		11	3,889.97	11	3,782.17	11	3,674.36	11	3,566.55	11	3,367.27	11	3,009.14
1/4		1/4		1/4		1/4		1/4	3,887.73	1/4	3,779.92	1/4	3,672.11	1/4	3,564.31	1/4	3,359.80	1/4	3,001.68
1/2		1/2		1/2		1/2		1/2	3,885.48	1/2	3,777.67	1/2	3,669.86	1/2	3,562.06	1/2	3,352.34	1/2	2,994.22
3/4		3/4		3/4		3/4		3/4	3,883.24	3/4	3,775.43	3/4	3,667.62	3/4	3,559.81	3/4	3,344.88	3/4	2,986.76

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 67'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "HTCO 3067"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,621.17	0	2,263.04	0	1,904.91	0	1,546.79	0	1,188.66	0	830.53	0	472.40	0	116.29	0		0	
1/4	2,613.70	1/4	2,255.58	1/4	1,897.45	1/4	1,539.32	1/4	1,181.19	1/4	823.07	1/4	464.94	1/4	109.06	1/4		1/4	
1/2	2,606.24	1/2	2,248.12	1/2	1,889.99	1/2	1,531.86	1/2	1,173.73	1/2	815.61	1/2	457.48	1/2	101.82	1/2		1/2	
3/4	2,598.78	3/4	2,240.66	3/4	1,882.53	3/4	1,524.40	3/4	1,166.27	3/4	808.15	3/4	450.02	3/4	94.58	3/4		3/4	
1	2,591.32	1	2,233.20	1	1,875.07	1	1,516.94	1	1,158.81	1	800.68	1	442.55	1	87.35	1		1	
1/4	2,583.86	1/4	2,225.73	1/4	1,867.61	1/4	1,509.48	1/4	1,151.35	1/4	793.22	1/4	435.09	1/4	80.11	1/4		1/4	
1/2	2,576.40	1/2	2,218.27	1/2	1,860.15	1/2	1,502.02	1/2	1,143.89	1/2	785.76	1/2	427.63	1/2	72.88	1/2		1/2	
3/4	2,568.94	3/4	2,210.81	3/4	1,852.69	3/4	1,494.56	3/4	1,136.43	3/4	778.30	3/4	420.17	3/4	65.78	3/4		3/4	
2	2,561.48	2	2,203.35	2	1,845.23	2	1,487.10	2	1,128.97	2	770.84	2	412.71	2	58.67	2		2	
1/4	2,554.02	1/4	2,195.89	1/4	1,837.76	1/4	1,479.63	1/4	1,121.51	1/4	763.38	1/4	405.25	1/4	51.57	1/4		1/4	
1/2	2,546.56	1/2	2,188.43	1/2	1,830.30	1/2	1,472.17	1/2	1,114.05	1/2	755.92	1/2	397.79	1/2	44.47	1/2		1/2	
3/4	2,539.10	3/4	2,180.97	3/4	1,822.84	3/4	1,464.71	3/4	1,106.59	3/4	748.46	3/4	390.33	3/4	38.97	3/4		3/4	
3	2,531.64	3	2,173.51	3	1,815.38	3	1,457.25	3	1,099.13	3	740.99	3	382.87	3	33.47	3		3	
1/4	2,524.17	1/4	2,166.05	1/4	1,807.92	1/4	1,449.79	1/4	1,091.66	1/4	733.53	1/4	375.41	1/4	27.97	1/4		1/4	
1/2	2,516.71	1/2	2,158.59	1/2	1,800.46	1/2	1,442.33	1/2	1,084.20	1/2	726.07	1/2	367.95	1/2	22.47	1/2		1/2	
3/4	2,509.25	3/4	2,151.13	3/4	1,793.00	3/4	1,434.87	3/4	1,076.74	3/4	718.61	3/4	360.49	3/4	18.79	3/4		3/4	
4	2,501.79	4	2,143.67	4	1,785.54	4	1,427.41	4	1,069.28	4	711.15	4	353.02	4		4		4	
1/4	2,494.33	1/4	2,136.20	1/4	1,778.07	1/4	1,419.95	1/4	1,061.82	1/4	703.69	1/4	345.56	1/4		1/4		1/4	
1/2	2,486.87	1/2	2,128.74	1/2	1,770.61	1/2	1,412.49	1/2	1,054.36	1/2	696.23	1/2	338.10	1/2		1/2		1/2	
3/4	2,479.41	3/4	2,121.28	3/4	1,763.15	3/4	1,405.03	3/4	1,046.90	3/4	688.77	3/4	330.64	3/4		3/4		3/4	
5	2,471.95	5	2,113.82	5	1,755.69	5	1,397.57	5	1,039.44	5	681.31	5	323.18	5		5		5	
1/4	2,464.48	1/4	2,106.36	1/4	1,748.23	1/4	1,390.10	1/4	1,031.97	1/4	673.85	1/4	315.72	1/4		1/4		1/4	
1/2	2,457.02	1/2	2,098.90	1/2	1,740.77	1/2	1,382.64	1/2	1,024.51	1/2	666.39	1/2	308.26	1/2		1/2		1/2	
3/4	2,449.56	3/4	2,091.44	3/4	1,733.31	3/4	1,375.18	3/4	1,017.05	3/4	658.93	3/4	300.80	3/4		3/4		3/4	
6	2,442.10	6	2,083.98	6	1,725.85	6	1,367.72	6	1,009.59	6	651.46	6	293.33	6		6		6	
1/4	2,434.64	1/4	2,076.51	1/4	1,718.39	1/4	1,360.26	1/4	1,002.13	1/4	644.00	1/4	285.87	1/4		1/4		1/4	
1/2	2,427.18	1/2	2,069.05	1/2	1,710.93	1/2	1,352.80	1/2	994.67	1/2	636.54	1/2	278.41	1/2		1/2		1/2	
3/4	2,419.72	3/4	2,061.59	3/4	1,703.47	3/4	1,345.34	3/4	987.21	3/4	629.08	3/4	270.95	3/4		3/4		3/4	
7	2,412.26	7	2,054.13	7	1,696.01	7	1,337.88	7	979.75	7	621.62	7	263.49	7		7		7	
1/4	2,404.80	1/4	2,046.67	1/4	1,688.54	1/4	1,330.41	1/4	972.29	1/4	614.16	1/4	256.03	1/4		1/4		1/4	
1/2	2,397.34	1/2	2,039.21	1/2	1,681.08	1/2	1,322.95	1/2	964.83	1/2	606.70	1/2	248.57	1/2		1/2		1/2	
3/4	2,389.88	3/4	2,031.75	3/4	1,673.62	3/4	1,315.49	3/4	957.37	3/4	599.24	3/4	241.11	3/4		3/4		3/4	
8	2,382.42	8	2,024.29	8	1,666.16	8	1,308.03	8	949.90	8	591.77	8	233.65	8		8		8	
1/4	2,374.95	1/4	2,016.83	1/4	1,658.70	1/4	1,300.57	1/4	942.44	1/4	584.31	1/4	226.19	1/4		1/4		1/4	
1/2	2,367.49	1/2	2,009.37	1/2	1,651.24	1/2	1,293.11	1/2	934.98	1/2	576.85	1/2	218.73	1/2		1/2		1/2	
3/4	2,360.03	3/4	2,001.91	3/4	1,643.78	3/4	1,285.65	3/4	927.52	3/4	569.39	3/4	211.27	3/4		3/4		3/4	
9	2,352.57	9	1,994.45	9	1,636.32	9	1,278.19	9	920.06	9	561.93	9	203.80	9		9		9	
1/4	2,345.11	1/4	1,986.98	1/4	1,628.85	1/4	1,270.73	1/4	912.60	1/4	554.47	1/4	196.34	1/4		1/4		1/4	
1/2	2,337.65	1/2	1,979.52	1/2	1,621.39	1/2	1,263.27	1/2	905.14	1/2	547.01	1/2	188.88	1/2		1/2		1/2	
3/4	2,330.19	3/4	1,972.06	3/4	1,613.93	3/4	1,255.81	3/4	897.68	3/4	539.55	3/4	181.59	3/4		3/4		3/4	
10	2,322.73	10	1,964.60	10	1,606.47	10	1,248.35	10	890.21	10	532.09	10	174.29	10		10		10	
1/4	2,315.27	1/4	1,957.14	1/4	1,599.01	1/4	1,240.88	1/4	882.75	1/4	524.63	1/4	167.00	1/4		1/4		1/4	
1/2	2,307.81	1/2	1,949.68	1/2	1,591.55	1/2	1,233.42	1/2	875.29	1/2	517.17	1/2	159.71	1/2		1/2		1/2	
3/4	2,300.35	3/4	1,942.22	3/4	1,584.09	3/4	1,225.96	3/4	867.83	3/4	509.71	3/4	152.47	3/4		3/4		3/4	
11	2,292.89	11	1,934.76	11	1,576.63	11	1,218.50	11	860.37	11	502.24	11	145.24	11		11		11	
1/4	2,285.42	1/4	1,927.29	1/4	1,569.17	1/4	1,211.04	1/4	852.91	1/4	494.78	1/4	138.00	1/4		1/4		1/4	
1/2	2,277.96	1/2	1,919.83	1/2	1,561.71	1/2	1,203.58	1/2	845.45	1/2	487.32	1/2	130.77	1/2		1/2		1/2	
3/4	2,270.50	3/4	1,912.37	3/4	1,554.25	3/4	1,196.12	3/4	837.99	3/4	479.86	3/4	123.53	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2009 INS  
RECALCULATED: 08/23/2019 SW  
REPRINTED: 08/26/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "HTCO 3067"

## 3 STBD ULLAGE TABLE

### HERMETIC

GUAGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	3,880.99	0	3,773.18	0	3,665.37	0	3,557.57	0	3,337.42	0	2,979.30
1/4		1/4		1/4		1/4		1/4	3,878.75	1/4	3,770.94	1/4	3,663.13	1/4	3,555.32	1/4	3,329.96	1/4	2,971.83
1/2		1/2		1/2		1/2		1/2	3,876.50	1/2	3,768.69	1/2	3,660.88	1/2	3,553.07	1/2	3,322.50	1/2	2,964.37
3/4		3/4		3/4		3/4		3/4	3,874.25	3/4	3,766.44	3/4	3,658.64	3/4	3,550.83	3/4	3,315.04	3/4	2,956.91
1		1		1		1		1	3,872.01	1	3,764.20	1	3,656.39	1	3,548.58	1	3,307.58	1	2,949.45
1/4		1/4		1/4		1/4		1/4	3,973.15	1/4	3,869.76	1/4	3,761.95	1/4	3,654.15	1/4	3,546.34	1/4	3,300.12
1/2		1/2		1/2		1/2		1/2	3,971.82	1/2	3,867.51	1/2	3,759.70	1/2	3,651.90	1/2	3,544.09	1/2	3,292.66
3/4		3/4		3/4		3/4		3/4	3,970.16	3/4	3,865.27	3/4	3,757.46	3/4	3,649.65	3/4	3,541.84	3/4	3,285.20
2		2		2		2		2	3,968.49	2	3,863.02	2	3,755.21	2	3,647.41	2	3,539.60	2	3,277.74
1/4		1/4		1/4		1/4		1/4	3,966.83	1/4	3,860.78	1/4	3,752.97	1/4	3,645.16	1/4	3,537.35	1/4	3,270.27
1/2		1/2		1/2		1/2		1/2	3,965.16	1/2	3,858.53	1/2	3,750.72	1/2	3,642.91	1/2	3,535.10	1/2	3,262.81
3/4		3/4		3/4		3/4		3/4	3,963.17	3/4	3,856.28	3/4	3,748.48	3/4	3,640.67	3/4	3,532.78	3/4	3,255.35
3		3		3		3		3	3,961.17	3	3,854.04	3	3,746.23	3	3,638.42	3	3,530.47	3	3,247.89
1/4		1/4		1/4		1/4		1/4	3,959.18	1/4	3,851.79	1/4	3,743.99	1/4	3,636.18	1/4	3,528.15	1/4	3,240.43
1/2		1/2		1/2		1/2		1/2	3,957.18	1/2	3,849.54	1/2	3,741.74	1/2	3,633.93	1/2	3,525.83	1/2	3,232.97
3/4		3/4		3/4		3/4		3/4	3,954.98	3/4	3,847.30	3/4	3,739.49	3/4	3,631.68	3/4	3,522.96	3/4	3,225.51
4		4		4		4		4	3,952.78	4	3,845.05	4	3,737.25	4	3,629.44	4	3,520.08	4	3,218.05
1/4		1/4		1/4		1/4		1/4	3,950.57	1/4	3,842.81	1/4	3,735.00	1/4	3,627.19	1/4	3,517.21	1/4	3,210.58
1/2		1/2		1/2		1/2		1/2	3,948.37	1/2	3,840.56	1/2	3,732.75	1/2	3,624.94	1/2	3,514.33	1/2	3,203.12
3/4		3/4		3/4		3/4		3/4	3,946.12	3/4	3,838.32	3/4	3,730.51	3/4	3,622.70	3/4	3,510.73	3/4	3,195.66
5		5		5		5		5	3,943.88	5	3,836.07	5	3,728.26	5	3,620.45	5	3,507.13	5	3,188.20
1/4		1/4		1/4		1/4		1/4	3,941.63	1/4	3,833.83	1/4	3,726.02	1/4	3,618.21	1/4	3,503.52	1/4	3,180.74
1/2		1/2		1/2		1/2		1/2	3,939.38	1/2	3,831.58	1/2	3,723.77	1/2	3,615.96	1/2	3,499.92	1/2	3,173.28
3/4		3/4		3/4		3/4		3/4	3,937.14	3/4	3,829.33	3/4	3,721.52	3/4	3,613.72	3/4	3,495.54	3/4	3,165.82
6		6		6		6		6	3,934.89	6	3,827.09	6	3,719.28	6	3,611.47	6	3,491.17	6	3,158.36
1/4		1/4		1/4		1/4		1/4	3,932.65	1/4	3,824.84	1/4	3,717.03	1/4	3,609.23	1/4	3,486.79	1/4	3,150.90
1/2		1/2		1/2		1/2		1/2	3,930.40	1/2	3,822.59	1/2	3,714.78	1/2	3,606.98	1/2	3,482.41	1/2	3,143.44
3/4		3/4		3/4		3/4		3/4	3,928.16	3/4	3,820.35	3/4	3,712.54	3/4	3,604.73	3/4	3,477.26	3/4	3,135.98
7		7		7		7		7	3,925.91	7	3,818.10	7	3,710.29	7	3,602.49	7	3,472.11	7	3,128.52
1/4		1/4		1/4		1/4		1/4	3,923.67	1/4	3,815.86	1/4	3,708.05	1/4	3,600.24	1/4	3,466.96	1/4	3,121.05
1/2		1/2		1/2		1/2		1/2	3,921.42	1/2	3,813.61	1/2	3,705.80	1/2	3,597.99	1/2	3,461.81	1/2	3,113.59
3/4		3/4		3/4		3/4		3/4	3,919.17	3/4	3,811.36	3/4	3,703.56	3/4	3,595.75	3/4	3,455.88	3/4	3,106.13
8		8		8		8		8	3,916.93	8	3,809.12	8	3,701.31	8	3,593.50	8	3,449.96	8	3,098.67
1/4		1/4		1/4		1/4		1/4	3,914.68	1/4	3,806.87	1/4	3,699.07	1/4	3,591.26	1/4	3,444.03	1/4	3,091.21
1/2		1/2		1/2		1/2		1/2	3,912.43	1/2	3,804.62	1/2	3,696.82	1/2	3,589.01	1/2	3,438.10	1/2	3,083.75
3/4		3/4		3/4		3/4		3/4	3,910.19	3/4	3,802.38	3/4	3,694.57	3/4	3,586.76	3/4	3,431.40	3/4	3,076.29
9		9		9		9		9	3,907.94	9	3,800.13	9	3,692.33	9	3,584.52	9	3,424.70	9	3,068.83
1/4		1/4		1/4		1/4		1/4	3,905.70	1/4	3,797.89	1/4	3,690.08	1/4	3,582.27	1/4	3,417.99	1/4	3,061.36
1/2		1/2		1/2		1/2		1/2	3,903.45	1/2	3,795.64	1/2	3,687.83	1/2	3,580.02	1/2	3,411.29	1/2	3,053.90
3/4		3/4		3/4		3/4		3/4	3,901.20	3/4	3,793.40	3/4	3,685.59	3/4	3,577.78	3/4	3,404.02	3/4	3,046.44
10		10		10		10		10	3,898.96	10	3,791.15	10	3,683.34	10	3,575.53	10	3,396.74	10	3,038.98
1/4		1/4		1/4		1/4		1/4	3,896.71	1/4	3,788.91	1/4	3,681.10	1/4	3,573.29	1/4	3,389.47	1/4	3,031.52
1/2		1/2		1/2		1/2		1/2	3,894.46	1/2	3,786.66	1/2	3,678.85	1/2	3,571.04	1/2	3,382.19	1/2	3,024.06
3/4		3/4		3/4		3/4		3/4	3,892.22	3/4	3,784.41	3/4	3,676.60	3/4	3,568.80	3/4	3,374.73	3/4	3,016.60
11		11		11		11		11	3,889.97	11	3,782.17	11	3,674.36	11	3,566.55	11	3,367.27	11	3,009.14
1/4		1/4		1/4		1/4		1/4	3,887.73	1/4	3,779.92	1/4	3,672.11	1/4	3,564.31	1/4	3,359.80	1/4	3,001.68
1/2		1/2		1/2		1/2		1/2	3,885.48	1/2	3,777.67	1/2	3,669.86	1/2	3,562.06	1/2	3,352.34	1/2	2,994.22
3/4		3/4		3/4		3/4		3/4	3,883.24	3/4	3,775.43	3/4	3,667.62	3/4	3,559.81	3/4	3,344.88	3/4	2,986.76

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 67'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "HTCO 3067"

## 3 STBD

### ULLAGE TABLE HERMETIC

#### GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,621.17	0	2,263.04	0	1,904.91	0	1,546.79	0	1,188.66	0	830.53	0	472.40	0	116.29	0		0	
1/4	2,613.70	1/4	2,255.58	1/4	1,897.45	1/4	1,539.32	1/4	1,181.19	1/4	823.07	1/4	464.94	1/4	109.06	1/4		1/4	
1/2	2,606.24	1/2	2,248.12	1/2	1,889.99	1/2	1,531.86	1/2	1,173.73	1/2	815.61	1/2	457.48	1/2	101.82	1/2		1/2	
3/4	2,598.78	3/4	2,240.66	3/4	1,882.53	3/4	1,524.40	3/4	1,166.27	3/4	808.15	3/4	450.02	3/4	94.58	3/4		3/4	
1	2,591.32	1	2,233.20	1	1,875.07	1	1,516.94	1	1,158.81	1	800.68	1	442.55	1	87.35	1		1	
1/4	2,583.86	1/4	2,225.73	1/4	1,867.61	1/4	1,509.48	1/4	1,151.35	1/4	793.22	1/4	435.09	1/4	80.11	1/4		1/4	
1/2	2,576.40	1/2	2,218.27	1/2	1,860.15	1/2	1,502.02	1/2	1,143.89	1/2	785.76	1/2	427.63	1/2	72.88	1/2		1/2	
3/4	2,568.94	3/4	2,210.81	3/4	1,852.69	3/4	1,494.56	3/4	1,136.43	3/4	778.30	3/4	420.17	3/4	65.78	3/4		3/4	
2	2,561.48	2	2,203.35	2	1,845.23	2	1,487.10	2	1,128.97	2	770.84	2	412.71	2	58.67	2		2	
1/4	2,554.02	1/4	2,195.89	1/4	1,837.76	1/4	1,479.63	1/4	1,121.51	1/4	763.38	1/4	405.25	1/4	51.57	1/4		1/4	
1/2	2,546.56	1/2	2,188.43	1/2	1,830.30	1/2	1,472.17	1/2	1,114.05	1/2	755.92	1/2	397.79	1/2	44.47	1/2		1/2	
3/4	2,539.10	3/4	2,180.97	3/4	1,822.84	3/4	1,464.71	3/4	1,106.59	3/4	748.46	3/4	390.33	3/4	38.97	3/4		3/4	
3	2,531.64	3	2,173.51	3	1,815.38	3	1,457.25	3	1,099.13	3	740.99	3	382.87	3	33.47	3		3	
1/4	2,524.17	1/4	2,166.05	1/4	1,807.92	1/4	1,449.79	1/4	1,091.66	1/4	733.53	1/4	375.41	1/4	27.97	1/4		1/4	
1/2	2,516.71	1/2	2,158.59	1/2	1,800.46	1/2	1,442.33	1/2	1,084.20	1/2	726.07	1/2	367.95	1/2	22.47	1/2		1/2	
3/4	2,509.25	3/4	2,151.13	3/4	1,793.00	3/4	1,434.87	3/4	1,076.74	3/4	718.61	3/4	360.49	3/4	18.79	3/4		3/4	
4	2,501.79	4	2,143.67	4	1,785.54	4	1,427.41	4	1,069.28	4	711.15	4	353.02	4		4		4	
1/4	2,494.33	1/4	2,136.20	1/4	1,778.07	1/4	1,419.95	1/4	1,061.82	1/4	703.69	1/4	345.56	1/4		1/4		1/4	
1/2	2,486.87	1/2	2,128.74	1/2	1,770.61	1/2	1,412.49	1/2	1,054.36	1/2	696.23	1/2	338.10	1/2		1/2		1/2	
3/4	2,479.41	3/4	2,121.28	3/4	1,763.15	3/4	1,405.03	3/4	1,046.90	3/4	688.77	3/4	330.64	3/4		3/4		3/4	
5	2,471.95	5	2,113.82	5	1,755.69	5	1,397.57	5	1,039.44	5	681.31	5	323.18	5		5		5	
1/4	2,464.48	1/4	2,106.36	1/4	1,748.23	1/4	1,390.10	1/4	1,031.97	1/4	673.85	1/4	315.72	1/4		1/4		1/4	
1/2	2,457.02	1/2	2,098.90	1/2	1,740.77	1/2	1,382.64	1/2	1,024.51	1/2	666.39	1/2	308.26	1/2		1/2		1/2	
3/4	2,449.56	3/4	2,091.44	3/4	1,733.31	3/4	1,375.18	3/4	1,017.05	3/4	658.93	3/4	300.80	3/4		3/4		3/4	
6	2,442.10	6	2,083.98	6	1,725.85	6	1,367.72	6	1,009.59	6	651.46	6	293.33	6		6		6	
1/4	2,434.64	1/4	2,076.51	1/4	1,718.39	1/4	1,360.26	1/4	1,002.13	1/4	644.00	1/4	285.87	1/4		1/4		1/4	
1/2	2,427.18	1/2	2,069.05	1/2	1,710.93	1/2	1,352.80	1/2	994.67	1/2	636.54	1/2	278.41	1/2		1/2		1/2	
3/4	2,419.72	3/4	2,061.59	3/4	1,703.47	3/4	1,345.34	3/4	987.21	3/4	629.08	3/4	270.95	3/4		3/4		3/4	
7	2,412.26	7	2,054.13	7	1,696.01	7	1,337.88	7	979.75	7	621.62	7	263.49	7		7		7	
1/4	2,404.80	1/4	2,046.67	1/4	1,688.54	1/4	1,330.41	1/4	972.29	1/4	614.16	1/4	256.03	1/4		1/4		1/4	
1/2	2,397.34	1/2	2,039.21	1/2	1,681.08	1/2	1,322.95	1/2	964.83	1/2	606.70	1/2	248.57	1/2		1/2		1/2	
3/4	2,389.88	3/4	2,031.75	3/4	1,673.62	3/4	1,315.49	3/4	957.37	3/4	599.24	3/4	241.11	3/4		3/4		3/4	
8	2,382.42	8	2,024.29	8	1,666.16	8	1,308.03	8	949.90	8	591.77	8	233.65	8		8		8	
1/4	2,374.95	1/4	2,016.83	1/4	1,658.70	1/4	1,300.57	1/4	942.44	1/4	584.31	1/4	226.19	1/4		1/4		1/4	
1/2	2,367.49	1/2	2,009.37	1/2	1,651.24	1/2	1,293.11	1/2	934.98	1/2	576.85	1/2	218.73	1/2		1/2		1/2	
3/4	2,360.03	3/4	2,001.91	3/4	1,643.78	3/4	1,285.65	3/4	927.52	3/4	569.39	3/4	211.27	3/4		3/4		3/4	
9	2,352.57	9	1,994.45	9	1,636.32	9	1,278.19	9	920.06	9	561.93	9	203.80	9		9		9	
1/4	2,345.11	1/4	1,986.98	1/4	1,628.85	1/4	1,270.73	1/4	912.60	1/4	554.47	1/4	196.34	1/4		1/4		1/4	
1/2	2,337.65	1/2	1,979.52	1/2	1,621.39	1/2	1,263.27	1/2	905.14	1/2	547.01	1/2	188.88	1/2		1/2		1/2	
3/4	2,330.19	3/4	1,972.06	3/4	1,613.93	3/4	1,255.81	3/4	897.68	3/4	539.55	3/4	181.59	3/4		3/4		3/4	
10	2,322.73	10	1,964.60	10	1,606.47	10	1,248.35	10	890.21	10	532.09	10	174.29	10		10		10	
1/4	2,315.27	1/4	1,957.14	1/4	1,599.01	1/4	1,240.88	1/4	882.75	1/4	524.63	1/4	167.00	1/4		1/4		1/4	
1/2	2,307.81	1/2	1,949.68	1/2	1,591.55	1/2	1,233.42	1/2	875.29	1/2	517.17	1/2	159.71	1/2		1/2		1/2	
3/4	2,300.35	3/4	1,942.22	3/4	1,584.09	3/4	1,225.96	3/4	867.83	3/4	509.71	3/4	152.47	3/4		3/4		3/4	
11	2,292.89	11	1,934.76	11	1,576.63	11	1,218.50	11	860.37	11	502.24	11	145.24	11		11		11	
1/4	2,285.42	1/4	1,927.29	1/4	1,569.17	1/4	1,211.04	1/4	852.91	1/4	494.78	1/4	138.00	1/4		1/4		1/4	
1/2	2,277.96	1/2	1,919.83	1/2	1,561.71	1/2	1,203.58	1/2	845.45	1/2	487.32	1/2	130.77	1/2		1/2		1/2	
3/4	2,270.50	3/4	1,912.37	3/4	1,554.25	3/4	1,196.12	3/4	837.99	3/4	479.86	3/4	123.53	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2009 INS  
RECALCULATED: 08/23/2019 SW  
REPRINTED: 08/26/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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