BARGE "HTCO 3066"

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

August 19, 2019

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

http://www.pmacorp.net

BARGE "HTCO 3066"

1 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	4,718.21	0	4,360.99	0	4,003.78	0	3,646.56	0	3,289.35	0	2,932.13
1/4		1/4		1/4		1/4		1/4	4,710.77	1/4	4,353.55	1/4	3,996.34	1/4	3,639.11	1/4	3,281.90	1/4	2,924.68
1/2		1/2		1/2		1/2		1/2	4,703.32	1/2	4,346.11	1/2	3,988.89	1/2	3,631.67	1/2	3,274.46	1/2	2,917.24
3/4		3/4		3/4		3/4	5,040.06	3/4	4,695.88	3/4	4,338.67	3/4	3,981.45	3/4	3,624.23	3/4	3,267.02	3/4	2,909.80
1		1		1		1	5,035.54	1	4,688.44	1	4,331.23	1	3,974.01	1	3,616.79	1	3,259.58	1	2,902.36
1/4		1/4		1/4		1/4	5,029.88	1/4	4,681.00	1/4	4,323.79	1/4	3,966.57	1/4	3,609.35	1/4	3,252.13	1/4	2,894.91
1/2		1/2		1/2		1/2	5,024.22	1/2	4,673.55	1/2	4,316.34	1/2	3,959.12	1/2	3,601.91	1/2	3,244.69	1/2	2,887.47
3/4		3/4		3/4		3/4	5,018.57	3/4	4,666.11	3/4	4,308.90	3/4	3,951.68	3/4	3,594.47	3/4	3,237.25	3/4	2,880.03
2		2		2		2	5,012.91	2	4,658.67	2	4,301.46	2	3,944.24	2	3,587.03	2	3,229.81	2	2,872.59
1/4		1/4		1/4		1/4	5,006.12	1/4	4,651.23	1/4	4,294.02	1/4	3,936.80	1/4	3,579.58	1/4	3,222.36	1/4	2,865.15
1/2		1/2		1/2		1/2	4,999.33	1/2	4,643.79	1/2	4,286.57	1/2	3,929.35	1/2	3,572.14	1/2	3,214.92	1/2	2,857.71
3/4		3/4		3/4		3/4	4,992.55	3/4	4,636.35	3/4	4,279.13	3/4	3,921.91	3/4	3,564.70	3/4	3,207.48	3/4	2,850.27
3		3		3		3	4,985.76	3	4,628.91	3	4,271.69	3	3,914.47	3	3,557.26	3	3,200.04	3	2,842.83
1/4		1/4		1/4		1/4	4,978.41	1/4	4,621.47	1/4	4,264.25	1/4	3,907.03	1/4	3,549.81	1/4	3,192.59	1/4	2,835.38
1/2		1/2		1/2		1/2	4,971.05	1/2	4,614.02	1/2	4,256.80	1/2	3,899.59	1/2	3,542.37	1/2	3,185.15	1/2	2,827.94
3/4		3/4		3/4		3/4	4,963.70	3/4	4,606.58	3/4	4,249.36	3/4	3,892.15	3/4	3,534.93	3/4	3,177.71	3/4	2,820.50
4		4		4		4	4,956.35	4	4,599.14	4	4,241.92	4	3,884.71	4	3,527.49	4	3,170.27	4	2,813.06
1/4		1/4		1/4		1/4	4,948.91	1/4	4,591.70	1/4	4,234.48	1/4	3,877.26	1/4	3,520.04	1/4	3,162.83	1/4	2,805.61
1/2		1/2		1/2		1/2	4,941.47	1/2	4,584.25	1/2	4,227.03	1/2	3,869.82	1/2	3,512.60	1/2	3,155.39	1/2	2,798.17
3/4		3/4		3/4		3/4	4,934.03	3/4	4,576.81	3/4	4,219.59	3/4	3,862.38	3/4	3,505.16	3/4	3,147.95	3/4	2,790.73
5		5		5		5	4,926.59	5	4,569.37	5	4,212.15	5	3,854.94	5	3,497.72	5	3,140.51	5	2,783.29
1/4		1/4		1/4		1/4	4,919.15	1/4	4,561.93	1/4	4,204.71	1/4	3,847.49	1/4	3,490.27	1/4	3,133.06	1/4	2,775.84
1/2		1/2		1/2		1/2	4,911.70	1/2	4,554.48	1/2	4,197.27	1/2	3,840.05	1/2	3,482.83	1/2	3,125.62	1/2	2,768.40
3/4		3/4		3/4		3/4	4,904.26	3/4	4,547.04	3/4	4,189.83	3/4	3,832.61	3/4	3,475.39	3/4	3,118.18	3/4	2,760.96
6		6		6		6	4,896.82	6	4,539.60	6	4,182.39	6	3,825.17	6	3,467.95	6	3,110.74	6	2,753.52
1/4		1/4		1/4		1/4	4,889.38	1/4	4,532.16	1/4	4,174.95	1/4	3,817.72	1/4	3,460.51	1/4	3,103.29	1/4	2,746.07
1/2		1/2		1/2		1/2	4,881.93	1/2	4,524.71	1/2	4,167.50	1/2	3,810.28	1/2	3,453.07	1/2	3,095.85	1/2	2,738.63
3/4		3/4		3/4		3/4	4,874.49	3/4	4,517.27	3/4	4,160.06	3/4	3,802.84	3/4	3,445.63	3/4	3,088.41	3/4	2,731.19
7		7		7		7	4,867.05	7	4,509.83	7	4,152.62	7	3,795.40	7	3,438.19	7	3,080.97	7	2,723.75
1/4		1/4		1/4		1/4	4,859.61	1/4	4,502.39	1/4	4,145.18	1/4	3,787.95	1/4	3,430.74	1/4	3,073.52	1/4	2,716.31
1/2		1/2		1/2		1/2	4,852.16	1/2	4,494.95	1/2	4,137.73	1/2	3,780.51	1/2	3,423.30	1/2	3,066.08	1/2	2,708.87
3/4		3/4		3/4		3/4	4,844.72	3/4	4,487.51	3/4	4,130.29	3/4	3,773.07	3/4	3,415.86	3/4	3,058.64	3/4	2,701.43
8		8		8		8	4,837.28	8	4,480.07	8	4,122.85	8	3,765.63	8	3,408.42	8	3,051.20	8	2,693.99
1/4		1/4		1/4		1/4	4,829.84	1/4	4,472.63	1/4	4,115.41	1/4	3,758.19	1/4	3,400.97	1/4	3,043.75	1/4	2,686.54
1/2		1/2		1/2		1/2	4,822.39	1/2	4,465.18	1/2	4,107.96	1/2	3,750.75	1/2	3,393.53	1/2	3,036.31	1/2	2,679.10
3/4		3/4		3/4		3/4	4,814.95	3/4	4,457.74	3/4	4,100.52	3/4	3,743.31	3/4	3,386.09	3/4	3,028.87	3/4	2,671.66
9		9		9		9	4,807.51	9	4,450.30	9	4,093.08	9	3,735.87	9	3,378.65	9	3,021.43	9	2,664.22
1/4		1/4		1/4		1/4	4,800.07	1/4	4,442.86	1/4	4,085.64	1/4	3,728.42	1/4	3,371.20	1/4	3,013.99	1/4	2,656.77
1/2		1/2		1/2		1/2	4,792.63	1/2	4,435.41	1/2	4,078.19	1/2	3,720.98	1/2	3,363.76	1/2	3,006.55	1/2	2,649.33
3/4		3/4		3/4		3/4	4,785.19	3/4	4,427.97	3/4	4,070.75	3/4	3,713.54	3/4	3,356.32	3/4	2,999.11	3/4	2,641.89
10		10		10		10	4,777.75	10	4,420.53	10	4,063.31	10	3,706.10	10	3,348.88	10	2,991.67	10	2,634.45
1/4		1/4		1/4		1/4	4,770.31	1/4	4,413.09	1/4	4,055.87	1/4	3,698.65	1/4	3,341.43	1/4	2,984.22	1/4	2,627.00
1/2		1/2		1/2		1/2	4,762.86	1/2	4,405.64	1/2	4,048.43	1/2	3,691.21	1/2	3,333.99	1/2	2,976.78	1/2	2,619.56
3/4		3/4		3/4		3/4	4,755.42	3/4	4,398.20	3/4	4,040.99	3/4	3,683.77	3/4	3,326.55	3/4	2,969.34	3/4	2,612.12
11		11		11		11	4,747.98	11	4,390.76	11	4,033.55	11	3,676.33	11	3,319.11	11	2,961.90	11	2,604.68
1/4		1/4		1/4		1/4	4,740.54	1/4	4,383.32	1/4	4,026.11	1/4	3,668.88	1/4	3,311.67	1/4	2,954.45	1/4	2,597.23
1/2		1/2		1/2		1/2	4,733.09	1/2	4,375.87	1/2	4,018.66	1/2	3,661.44	1/2	3,304.23	1/2	2,947.01	1/2	2,589.79
3/4		3/4		3/4		3/4	4,725.65	3/4	4,368.43	3/4	4,011.22	3/4	3,654.00	3/4	3,296.79	3/4	2,939.57	3/4	2,582.35

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 47'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "HTCO 3066"

1 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	2,574.91	0	2,217.70	0	1,860.48	0	1,503.27	0	1,146.05	0	788.83	0	430.50	0	92.68	0		0	
1/4	2,567.47	1/4	2,210.25	1/4	1,853.03	1/4	1,495.82	1/4	1,138.60	1/4	781.39	1/4	423.04	1/4	86.21	1/4		1/4	
1/2	2,560.03	1/2	2,202.81	1/2	1,845.59	1/2	1,488.38	1/2	1,131.16	1/2	773.95	1/2	415.59	1/2	79.75	1/2		1/2	
3/4	2,552.59	3/4	2,195.37	3/4	1,838.15	3/4	1,480.94	3/4	1,123.72	3/4	766.51	3/4	408.14	3/4	73.28	3/4		3/4	
1	2,545.15	1	2,187.93	1	1,830.71	1	1,473.50	1	1,116.28	1	759.07	1	400.69	1	66.82	1		1	
1/4	2,537.70	1/4	2,180.48	1/4	1,823.27	1/4	1,466.05	1/4	1,108.83	1/4	751.62	1/4	393.33	1/4	60.56	1/4		1/4	
1/2	2,530.26	1/2	2,173.04	1/2	1,815.83	1/2	1,458.61	1/2	1,101.39	1/2	744.18	1/2	385.97	1/2	54.30	1/2		1/2	
3/4	2,522.82	3/4	2,165.60	3/4	1,808.39	3/4	1,451.17	3/4	1,093.95	3/4	736.74	3/4	378.61	3/4	48.04	3/4		3/4	
2	2,515.38	2	2,158.16	2	1,800.95	2	1,443.73	2	1,086.51	2	729.30	2	371.26	2	41.78	2		2	
1/4	2,507.93	1/4	2,150.71	1/4	1,793.50	1/4	1,436.28	1/4	1,079.07	1/4	721.85	1/4	363.93	1/4	36.83	1/4		1/4	
1/2	2,500.49	1/2	2,143.27	1/2	1,786.06	1/2	1,428.84	1/2	1,071.63	1/2	714.41	1/2	356.60	1/2	31.89	1/2		1/2	
3/4	2,493.05	3/4	2,135.83	3/4	1,778.62	3/4	1,421.40	3/4	1,064.19	3/4	706.97	3/4	349.27	3/4	26.94	3/4		3/4	
3	2,485.61	3	2,128.39	3	1,771.18	3	1,413.96	3	1,056.75	3	699.53	3	341.94	3	22.00	3		3	
1/4	2,478.16	1/4	2,120.95	1/4	1,763.73	1/4	1,406.51	1/4	1,049.30	1/4	692.08	1/4	334.70	1/4	18.60	1/4		1/4	
1/2	2,470.72	1/2	2,113.51	1/2	1,756.29	1/2	1,399.07	1/2	1,041.86	1/2	684.64	1/2	327.47	1/2		1/2		1/2	
3/4	2,463.28	3/4	2,106.07	3/4	1,748.85	3/4	1,391.63	3/4	1,034.42	3/4	677.20	3/4	320.23	3/4		3/4		3/4	
4	2,455.84	4	2,098.63	4	1,741.41	4	1,384.19	4	1,026.98	4	669.76	4	313.00	4		4		4	
1/4	2,448.39	1/4	2,091.18	1/4	1,733.96	1/4	1,376.75	1/4	1,019.53	1/4	662.31	1/4	305.79	1/4		1/4		1/4	
1/2	2,440.95	1/2	2,083.74	1/2	1,726.52	1/2	1,369.31	1/2	1,012.09	1/2	654.87	1/2	298.59	1/2		1/2		1/2	
3/4	2,433.51	3/4	2,076.30	3/4	1,719.08	3/4	1,361.87	3/4	1,004.65	3/4	647.43	3/4	291.39	3/4		3/4		3/4	
5	2,426.07	5	2,068.86	5	1,711.64	5	1,354.43	5	997.21	5	639.99	5	284.19	5		5		5	
1/4	2,418.63	1/4	2,061.41	1/4	1,704.19	1/4	1,346.98	1/4	989.76	1/4	632.55	1/4	277.08	1/4		1/4		1/4	
1/2	2,411.19	1/2	2,053.97	1/2	1,696.75	1/2	1,339.54	1/2	982.32	1/2	625.11	1/2	269.97	1/2		1/2		1/2	
3/4	2,403.75	3/4	2,046.53	3/4	1,689.31	3/4	1,332.10	3/4	974.88	3/4	617.67	3/4	262.86	3/4		3/4		3/4	
6	2,396.31	6	2,039.09	6	1,681.87	6	1,324.66	6	967.44	6	610.23	6	255.76	6		6		6	
1/4	2,388.86	1/4	2,031.64	1/4	1,674.43	1/4	1,317.21	1/4	959.99	1/4	602.78	1/4	248.68	1/4		1/4		1/4	
1/2	2,381.42	1/2	2,024.20	1/2	1,666.99	1/2	1,309.77	1/2	952.55	1/2	595.34	1/2	241.60	1/2		1/2		1/2	
3/4	2,373.98	3/4	2,016.76	3/4	1,659.55	3/4	1,302.33	3/4	945.11	3/4	587.90	3/4	234.52	3/4		3/4		3/4	
7	2,366.54	7	2,009.32	7	1,652.11	7	1,294.89	7	937.67	7	580.46	7	227.45	7		7		7	
1/4	2,359.09	1/4	2,001.87	1/4	1,644.66	1/4	1,287.44	1/4	930.23	1/4	573.01	1/4	220.46	1/4		1/4		1/4	
1/2	2,351.65	1/2	1,994.43	1/2	1,637.22	1/2	1,280.00	1/2	922.79	1/2	565.57	1/2	213.48	1/2		1/2		1/2	
3/4	2,344.21	3/4	1,986.99	3/4	1,629.78	3/4	1,272.56	3/4	915.35	3/4	558.13	3/4	206.50	3/4		3/4		3/4	
8	2,336.77	8	1,979.55	8	1,622.34	8	1,265.12	8	907.91	8	550.69	8	199.52	8		8		8	
1/4	2,329.32	1/4	1,972.11	1/4	1,614.89	1/4	1,257.67	1/4	900.46	1/4	543.24	1/4	192.56	1/4		1/4		1/4	
1/2	2,321.88	1/2	1,964.67	1/2	1,607.45	1/2	1,250.23	1/2	893.02	1/2	535.80	1/2	185.61	1/2		1/2		1/2	
3/4	2,314.44	3/4	1,957.23	3/4	1,600.01	3/4	1,242.79	3/4	885.58	3/4	528.36	3/4	178.66	3/4		3/4		3/4	
9	2,307.00	9	1,949.79	9	1,592.57	9	1,235.35	9	878.14	9	520.92	9	171.71	9		9		9	
1/4	2,299.55	1/4	1,942.34	1/4	1,585.12	1/4	1,227.91	1/4	870.69	1/4	513.37	1/4	165.03	1/4		1/4		1/4	
1/2	2,292.11	1/2	1,934.90	1/2	1,577.68	1/2	1,220.47	1/2	863.25	1/2	505.83	1/2	158.35	1/2		1/2		1/2	
3/4	2,284.67	3/4	1,927.46	3/4	1,570.24	3/4	1,213.03	3/4	855.81	3/4	498.29	3/4	151.67	3/4		3/4		3/4	
10	2,277.23	10	1,920.02	10	1,562.80	10	1,205.59	10	848.37	10	490.75	10	145.00	10		10		10	
1/4	2,269.79	1/4	1,912.57	1/4	1,555.35	1/4	1,198.15	1/4	840.92	1/4	483.17	1/4	138.39	1/4		1/4		1/4	
1/2	2,262.35	1/2	1,905.13	1/2	1,547.91	1/2	1,190.71	1/2	833.48	1/2	475.59	1/2	131.78	1/2		1/2		1/2	
3/4	2,254.91	3/4	1,897.69	3/4	1,540.47	3/4	1,183.26	3/4	826.04	3/4	468.01	3/4	125.17	3/4		3/4		3/4	
11	2,247.47	11	1,890.25	11	1,533.03	11	1,175.82	11	818.60	11	460.43	11	118.56	11		11		11	
1/4	2,240.02	1/4	1,882.80	1/4	1,525.59	1/4	1,168.38	1/4	811.15	1/4	452.94	1/4	112.09	1/4		1/4		1/4	
1/2	2,232.58	1/2	1,875.36	1/2	1,518.15	1/2	1,160.94	1/2	803.71	1/2	445.46	1/2	105.62	1/2		1/2		1/2	
3/4	2,225.14	3/4	1,867.92	3/4	1,510.71	3/4	1,153.49	3/4	796.27	3/4	437.98	3/4	99.15	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/26/2009 INS
RECALCULATED: 08/20/2019 SW
REPRINTED: 08/20/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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

BARGE "HTCO 3066"

1 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	4,718.21	0	4,360.99	0	4,003.78	0	3,646.56	0	3,289.35	0	2,932.13
1/4		1/4		1/4		1/4		1/4	4,710.77	1/4	4,353.55	1/4	3,996.34	1/4	3,639.11	1/4	3,281.90	1/4	2,924.68
1/2		1/2		1/2		1/2		1/2	4,703.32	1/2	4,346.11	1/2	3,988.89	1/2	3,631.67	1/2	3,274.46	1/2	2,917.24
3/4		3/4		3/4		3/4	5,040.06	3/4	4,695.88	3/4	4,338.67	3/4	3,981.45	3/4	3,624.23	3/4	3,267.02	3/4	2,909.80
1		1		1		1	5,035.54	1	4,688.44	1	4,331.23	1	3,974.01	1	3,616.79	1	3,259.58	1	2,902.36
1/4		1/4		1/4		1/4	5,029.88	1/4	4,681.00	1/4	4,323.79	1/4	3,966.57	1/4	3,609.35	1/4	3,252.13	1/4	2,894.91
1/2		1/2		1/2		1/2	5,024.22	1/2	4,673.55	1/2	4,316.34	1/2	3,959.12	1/2	3,601.91	1/2	3,244.69	1/2	2,887.47
3/4		3/4		3/4		3/4	5,018.57	3/4	4,666.11	3/4	4,308.90	3/4	3,951.68	3/4	3,594.47	3/4	3,237.25	3/4	2,880.03
2		2		2		2	5,012.91	2	4,658.67	2	4,301.46	2	3,944.24	2	3,587.03	2	3,229.81	2	2,872.59
1/4		1/4		1/4		1/4	5,006.12	1/4	4,651.23	1/4	4,294.02	1/4	3,936.80	1/4	3,579.58	1/4	3,222.36	1/4	2,865.15
1/2		1/2		1/2		1/2	4,999.33	1/2	4,643.79	1/2	4,286.57	1/2	3,929.35	1/2	3,572.14	1/2	3,214.92	1/2	2,857.71
3/4		3/4		3/4		3/4	4,992.55	3/4	4,636.35	3/4	4,279.13	3/4	3,921.91	3/4	3,564.70	3/4	3,207.48	3/4	2,850.27
3		3		3		3	4,985.76	3	4,628.91	3	4,271.69	3	3,914.47	3	3,557.26	3	3,200.04	3	2,842.83
1/4		1/4		1/4		1/4	4,978.41	1/4	4,621.47	1/4	4,264.25	1/4	3,907.03	1/4	3,549.81	1/4	3,192.59	1/4	2,835.38
1/2		1/2		1/2		1/2	4,971.05	1/2	4,614.02	1/2	4,256.80	1/2	3,899.59	1/2	3,542.37	1/2	3,185.15	1/2	2,827.94
3/4		3/4		3/4		3/4	4,963.70	3/4	4,606.58	3/4	4,249.36	3/4	3,892.15	3/4	3,534.93	3/4	3,177.71	3/4	2,820.50
4		4		4		4	4,956.35	4	4,599.14	4	4,241.92	4	3,884.71	4	3,527.49	4	3,170.27	4	2,813.06
1/4		1/4		1/4		1/4	4,948.91	1/4	4,591.70	1/4	4,234.48	1/4	3,877.26	1/4	3,520.04	1/4	3,162.83	1/4	2,805.61
1/2		1/2		1/2		1/2	4,941.47	1/2	4,584.25	1/2	4,227.03	1/2	3,869.82	1/2	3,512.60	1/2	3,155.39	1/2	2,798.17
3/4		3/4		3/4		3/4	4,934.03	3/4	4,576.81	3/4	4,219.59	3/4	3,862.38	3/4	3,505.16	3/4	3,147.95	3/4	2,790.73
5		5		5		5	4,926.59	5	4,569.37	5	4,212.15	5	3,854.94	5	3,497.72	5	3,140.51	5	2,783.29
1/4		1/4		1/4		1/4	4,919.15	1/4	4,561.93	1/4	4,204.71	1/4	3,847.49	1/4	3,490.27	1/4	3,133.06	1/4	2,775.84
1/2		1/2		1/2		1/2	4,911.70	1/2	4,554.48	1/2	4,197.27	1/2	3,840.05	1/2	3,482.83	1/2	3,125.62	1/2	2,768.40
3/4		3/4		3/4		3/4	4,904.26	3/4	4,547.04	3/4	4,189.83	3/4	3,832.61	3/4	3,475.39	3/4	3,118.18	3/4	2,760.96
6		6		6		6	4,896.82	6	4,539.60	6	4,182.39	6	3,825.17	6	3,467.95	6	3,110.74	6	2,753.52
1/4		1/4		1/4		1/4	4,889.38	1/4	4,532.16	1/4	4,174.95	1/4	3,817.72	1/4	3,460.51	1/4	3,103.29	1/4	2,746.07
1/2		1/2		1/2		1/2	4,881.93	1/2	4,524.71	1/2	4,167.50	1/2	3,810.28	1/2	3,453.07	1/2	3,095.85	1/2	2,738.63
3/4		3/4		3/4		3/4	4,874.49	3/4	4,517.27	3/4	4,160.06	3/4	3,802.84	3/4	3,445.63	3/4	3,088.41	3/4	2,731.19
7		7		7		7	4,867.05	7	4,509.83	7	4,152.62	7	3,795.40	7	3,438.19	7	3,080.97	7	2,723.75
1/4		1/4		1/4		1/4	4,859.61	1/4	4,502.39	1/4	4,145.18	1/4	3,787.95	1/4	3,430.74	1/4	3,073.52	1/4	2,716.31
1/2		1/2		1/2		1/2	4,852.16	1/2	4,494.95	1/2	4,137.73	1/2	3,780.51	1/2	3,423.30	1/2	3,066.08	1/2	2,708.87
3/4		3/4		3/4		3/4	4,844.72	3/4	4,487.51	3/4	4,130.29	3/4	3,773.07	3/4	3,415.86	3/4	3,058.64	3/4	2,701.43
8		8		8		8	4,837.28	8	4,480.07	8	4,122.85	8	3,765.63	8	3,408.42	8	3,051.20	8	2,693.99
1/4		1/4		1/4		1/4	4,829.84	1/4	4,472.63	1/4	4,115.41	1/4	3,758.19	1/4	3,400.97	1/4	3,043.75	1/4	2,686.54
1/2		1/2		1/2		1/2	4,822.39	1/2	4,465.18	1/2	4,107.96	1/2	3,750.75	1/2	3,393.53	1/2	3,036.31	1/2	2,679.10
3/4		3/4		3/4		3/4	4,814.95	3/4	4,457.74	3/4	4,100.52	3/4	3,743.31	3/4	3,386.09	3/4	3,028.87	3/4	2,671.66
9		9		9		9	4,807.51	9	4,450.30	9	4,093.08	9	3,735.87	9	3,378.65	9	3,021.43	9	2,664.22
1/4		1/4		1/4		1/4	4,800.07	1/4	4,442.86	1/4	4,085.64	1/4	3,728.42	1/4	3,371.20	1/4	3,013.99	1/4	2,656.77
1/2		1/2		1/2		1/2	4,792.63	1/2	4,435.41	1/2	4,078.19	1/2	3,720.98	1/2	3,363.76	1/2	3,006.55	1/2	2,649.33
3/4		3/4		3/4		3/4	4,785.19	3/4	4,427.97	3/4	4,070.75	3/4	3,713.54	3/4	3,356.32	3/4	2,999.11	3/4	2,641.89
10		10		10		10	4,777.75	10	4,420.53	10	4,063.31	10	3,706.10	10	3,348.88	10	2,991.67	10	2,634.45
1/4		1/4		1/4		1/4	4,770.31	1/4	4,413.09	1/4	4,055.87	1/4	3,698.65	1/4	3,341.43	1/4	2,984.22	1/4	2,627.00
1/2		1/2		1/2		1/2	4,762.86	1/2	4,405.64	1/2	4,048.43	1/2	3,691.21	1/2	3,333.99	1/2	2,976.78	1/2	2,619.56
3/4		3/4		3/4		3/4	4,755.42	3/4	4,398.20	3/4	4,040.99	3/4	3,683.77	3/4	3,326.55	3/4	2,969.34	3/4	2,612.12
11		11		11		11	4,747.98	11	4,390.76	11	4,033.55	11	3,676.33	11	3,319.11	11	2,961.90	11	2,604.68
1/4		1/4		1/4		1/4	4,740.54	1/4	4,383.32	1/4	4,026.11	1/4	3,668.88	1/4	3,311.67	1/4	2,954.45	1/4	2,597.23
1/2		1/2		1/2		1/2	4,733.09	1/2	4,375.87	1/2	4,018.66	1/2	3,661.44	1/2	3,304.23	1/2	2,947.01	1/2	2,589.79
3/4		3/4		3/4		3/4	4,725.65	3/4	4,368.43	3/4	4,011.22	3/4	3,654.00	3/4	3,296.79	3/4	2,939.57	3/4	2,582.35

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 47'-03" FORWARD OF AFT BULKHEAD.

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

BARGE "HTCO 3066"

1 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	2,574.91	0	2,217.70	0	1,860.48	0	1,503.27	0	1,146.05	0	788.83	0	430.50	0	92.68	0		0	
1/4	2,567.47	1/4	2,210.25	1/4	1,853.03	1/4	1,495.82	1/4	1,138.60	1/4	781.39	1/4	423.04	1/4	86.21	1/4		1/4	
1/2	2,560.03	1/2	2,202.81	1/2	1,845.59	1/2	1,488.38	1/2	1,131.16	1/2	773.95	1/2	415.59	1/2	79.75	1/2		1/2	
3/4	2,552.59	3/4	2,195.37	3/4	1,838.15	3/4	1,480.94	3/4	1,123.72	3/4	766.51	3/4	408.14	3/4	73.28	3/4		3/4	
1	2,545.15	1	2,187.93	1	1,830.71	1	1,473.50	1	1,116.28	1	759.07	1	400.69	1	66.82	1		1	
1/4	2,537.70	1/4	2,180.48	1/4	1,823.27	1/4	1,466.05	1/4	1,108.83	1/4	751.62	1/4	393.33	1/4	60.56	1/4		1/4	
1/2	2,530.26	1/2	2,173.04	1/2	1,815.83	1/2	1,458.61	1/2	1,101.39	1/2	744.18	1/2	385.97	1/2	54.30	1/2		1/2	
3/4	2,522.82	3/4	2,165.60	3/4	1,808.39	3/4	1,451.17	3/4	1,093.95	3/4	736.74	3/4	378.61	3/4	48.04	3/4		3/4	
2	2,515.38	2	2,158.16	2	1,800.95	2	1,443.73	2	1,086.51	2	729.30	2	371.26	2	41.78	2		2	
1/4	2,507.93	1/4	2,150.71	1/4	1,793.50	1/4	1,436.28	1/4	1,079.07	1/4	721.85	1/4	363.93	1/4	36.83	1/4		1/4	
1/2	2,500.49	1/2	2,143.27	1/2	1,786.06	1/2	1,428.84	1/2	1,071.63	1/2	714.41	1/2	356.60	1/2	31.89	1/2		1/2	
3/4	2,493.05	3/4	2,135.83	3/4	1,778.62	3/4	1,421.40	3/4	1,064.19	3/4	706.97	3/4	349.27	3/4	26.94	3/4		3/4	
3	2,485.61	3	2,128.39	3	1,771.18	3	1,413.96	3	1,056.75	3	699.53	3	341.94	3	22.00	3		3	
1/4	2,478.16	1/4	2,120.95	1/4	1,763.73	1/4	1,406.51	1/4	1,049.30	1/4	692.08	1/4	334.70	1/4	18.60	1/4		1/4	
1/2	2,470.72	1/2	2,113.51	1/2	1,756.29	1/2	1,399.07	1/2	1,041.86	1/2	684.64	1/2	327.47	1/2		1/2		1/2	
3/4	2,463.28	3/4	2,106.07	3/4	1,748.85	3/4	1,391.63	3/4	1,034.42	3/4	677.20	3/4	320.23	3/4		3/4		3/4	
4	2,455.84	4	2,098.63	4	1,741.41	4	1,384.19	4	1,026.98	4	669.76	4	313.00	4		4		4	
1/4	2,448.39	1/4	2,091.18	1/4	1,733.96	1/4	1,376.75	1/4	1,019.53	1/4	662.31	1/4	305.79	1/4		1/4		1/4	
1/2	2,440.95	1/2	2,083.74	1/2	1,726.52	1/2	1,369.31	1/2	1,012.09	1/2	654.87	1/2	298.59	1/2		1/2		1/2	
3/4	2,433.51	3/4	2,076.30	3/4	1,719.08	3/4	1,361.87	3/4	1,004.65	3/4	647.43	3/4	291.39	3/4		3/4		3/4	
5	2,426.07	5	2,068.86	5	1,711.64	5	1,354.43	5	997.21	5	639.99	5	284.19	5		5		5	
1/4	2,418.63	1/4	2,061.41	1/4	1,704.19	1/4	1,346.98	1/4	989.76	1/4	632.55	1/4	277.08	1/4		1/4		1/4	
1/2	2,411.19	1/2	2,053.97	1/2	1,696.75	1/2	1,339.54	1/2	982.32	1/2	625.11	1/2	269.97	1/2		1/2		1/2	
3/4	2,403.75	3/4	2,046.53	3/4	1,689.31	3/4	1,332.10	3/4	974.88	3/4	617.67	3/4	262.86	3/4		3/4		3/4	
6	2,396.31	6	2,039.09	6	1,681.87	6	1,324.66	6	967.44	6	610.23	6	255.76	6		6		6	
1/4	2,388.86	1/4	2,031.64	1/4	1,674.43	1/4	1,317.21	1/4	959.99	1/4	602.78	1/4	248.68	1/4		1/4		1/4	
1/2	2,381.42	1/2	2,024.20	1/2	1,666.99	1/2	1,309.77	1/2	952.55	1/2	595.34	1/2	241.60	1/2		1/2		1/2	
3/4	2,373.98	3/4	2,016.76	3/4	1,659.55	3/4	1,302.33	3/4	945.11	3/4	587.90	3/4	234.52	3/4		3/4		3/4	
7	2,366.54	7	2,009.32	7	1,652.11	7	1,294.89	7	937.67	7	580.46	7	227.45	7		7		7	
1/4	2,359.09	1/4	2,001.87	1/4	1,644.66	1/4	1,287.44	1/4	930.23	1/4	573.01	1/4	220.46	1/4		1/4		1/4	
1/2	2,351.65	1/2	1,994.43	1/2	1,637.22	1/2	1,280.00	1/2	922.79	1/2	565.57	1/2	213.48	1/2		1/2		1/2	
3/4	2,344.21	3/4	1,986.99	3/4	1,629.78	3/4	1,272.56	3/4	915.35	3/4	558.13	3/4	206.50	3/4		3/4		3/4	
8	2,336.77	8	1,979.55	8	1,622.34	8	1,265.12	8	907.91	8	550.69	8	199.52	8		8		8	
1/4	2,329.32	1/4	1,972.11	1/4	1,614.89	1/4	1,257.67	1/4	900.46	1/4	543.24	1/4	192.56	1/4		1/4		1/4	
1/2	2,321.88	1/2	1,964.67	1/2	1,607.45	1/2	1,250.23	1/2	893.02	1/2	535.80	1/2	185.61	1/2		1/2		1/2	
3/4	2,314.44	3/4	1,957.23	3/4	1,600.01	3/4	1,242.79	3/4	885.58	3/4	528.36	3/4	178.66	3/4		3/4		3/4	
9	2,307.00	9	1,949.79	9	1,592.57	9	1,235.35	9	878.14	9	520.92	9	171.71	9		9		9	
1/4	2,299.55	1/4	1,942.34	1/4	1,585.12	1/4	1,227.91	1/4	870.69	1/4	513.37	1/4	165.03	1/4		1/4		1/4	
1/2	2,292.11	1/2	1,934.90	1/2	1,577.68	1/2	1,220.47	1/2	863.25	1/2	505.83	1/2	158.35	1/2		1/2		1/2	
3/4	2,284.67	3/4	1,927.46	3/4	1,570.24	3/4	1,213.03	3/4	855.81	3/4	498.29	3/4	151.67	3/4		3/4		3/4	
10	2,277.23	10	1,920.02	10	1,562.80	10	1,205.59	10	848.37	10	490.75	10	145.00	10		10		10	
1/4	2,269.79	1/4	1,912.57	1/4	1,555.35	1/4	1,198.15	1/4	840.92	1/4	483.17	1/4	138.39	1/4		1/4		1/4	
1/2	2,262.35	1/2	1,905.13	1/2	1,547.91	1/2	1,190.71	1/2	833.48	1/2	475.59	1/2	131.78	1/2		1/2		1/2	
3/4	2,254.91	3/4	1,897.69	3/4	1,540.47	3/4	1,183.26	3/4	826.04	3/4	468.01	3/4	125.17	3/4		3/4		3/4	
11	2,247.47	11	1,890.25	11	1,533.03	11	1,175.82	11	818.60	11	460.43	11	118.56	11		11		11	
1/4	2,240.02	1/4	1,882.80	1/4	1,525.59	1/4	1,168.38	1/4	811.15	1/4	452.94	1/4	112.09	1/4		1/4		1/4	
1/2	2,232.58	1/2	1,875.36	1/2	1,518.15	1/2	1,160.94	1/2	803.71	1/2	445.46	1/2	105.62	1/2		1/2		1/2	
3/4	2,225.14	3/4	1,867.92	3/4	1,510.71	3/4	1,153.49	3/4	796.27	3/4	437.98	3/4	99.15	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/26/2009 INS
RECALCULATED: 08/20/2019 SW
REPRINTED: 08/20/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT
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BARGE "HTCO 3066"

2 PORT
ULLAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,782.57	0	4,425.58	0	4,064.38	0	3,703.18	0	3,341.98	0	2,980.78
1/4		1/4		1/4		1/4		1/4	4,775.43	1/4	4,418.06	1/4	4,056.86	1/4	3,695.66	1/4	3,334.46	1/4	2,973.26
1/2		1/2		1/2		1/2		1/2	4,768.29	1/2	4,410.53	1/2	4,049.33	1/2	3,688.13	1/2	3,326.93	1/2	2,965.73
3/4		3/4		3/4		3/4	5,090.12	3/4	4,761.15	3/4	4,403.01	3/4	4,041.81	3/4	3,680.61	3/4	3,319.41	3/4	2,958.21
1		1		1		1	5,085.86	1	4,754.00	1	4,395.48	1	4,034.28	1	3,673.08	1	3,311.88	1	2,950.68
1/4		1/4		1/4		1/4	5,080.54	1/4	4,746.86	1/4	4,387.96	1/4	4,026.76	1/4	3,665.56	1/4	3,304.36	1/4	2,943.16
1/2		1/2		1/2		1/2	5,075.21	1/2	4,739.72	1/2	4,380.43	1/2	4,019.23	1/2	3,658.03	1/2	3,296.83	1/2	2,935.63
3/4		3/4		3/4		3/4	5,069.88	3/4	4,732.58	3/4	4,372.91	3/4	4,011.71	3/4	3,650.51	3/4	3,289.31	3/4	2,928.11
2		2		2		2	5,064.55	2	4,725.43	2	4,365.38	2	4,004.18	2	3,642.98	2	3,281.78	2	2,920.58
1/4		1/4		1/4		1/4	5,058.20	1/4	4,718.20	1/4	4,357.86	1/4	3,996.66	1/4	3,635.46	1/4	3,274.26	1/4	2,913.06
1/2		1/2		1/2		1/2	5,051.85	1/2	4,710.96	1/2	4,350.33	1/2	3,989.13	1/2	3,627.93	1/2	3,266.73	1/2	2,905.53
3/4		3/4		3/4		3/4	5,045.50	3/4	4,703.72	3/4	4,342.81	3/4	3,981.61	3/4	3,620.41	3/4	3,259.21	3/4	2,898.01
3		3		3		3	5,039.14	3	4,696.48	3	4,335.28	3	3,974.08	3	3,612.88	3	3,251.68	3	2,890.48
1/4		1/4		1/4		1/4	5,032.14	1/4	4,688.96	1/4	4,327.76	1/4	3,966.56	1/4	3,605.35	1/4	3,244.16	1/4	2,882.96
1/2		1/2		1/2		1/2	5,025.13	1/2	4,681.43	1/2	4,320.23	1/2	3,959.03	1/2	3,597.82	1/2	3,236.63	1/2	2,875.43
3/4		3/4		3/4		3/4	5,018.12	3/4	4,673.91	3/4	4,312.71	3/4	3,951.51	3/4	3,590.29	3/4	3,229.11	3/4	2,867.91
4		4		4		4	5,011.11	4	4,666.38	4	4,305.18	4	3,943.98	4	3,582.76	4	3,221.58	4	2,860.38
1/4		1/4		1/4		1/4	5,003.97	1/4	4,658.86	1/4	4,297.66	1/4	3,936.46	1/4	3,575.24	1/4	3,214.06	1/4	2,852.86
1/2		1/2		1/2		1/2	4,996.83	1/2	4,651.33	1/2	4,290.13	1/2	3,928.93	1/2	3,567.72	1/2	3,206.53	1/2	2,845.33
3/4		3/4		3/4		3/4	4,989.69	3/4	4,643.81	3/4	4,282.61	3/4	3,921.41	3/4	3,560.20	3/4	3,199.01	3/4	2,837.81
5		5		5		5	4,982.54	5	4,636.28	5	4,275.08	5	3,913.88	5	3,552.68	5	3,191.48	5	2,830.28
1/4		1/4		1/4		1/4	4,975.40	1/4	4,628.76	1/4	4,267.56	1/4	3,906.36	1/4	3,545.16	1/4	3,183.96	1/4	2,822.76
1/2		1/2		1/2		1/2	4,968.26	1/2	4,621.23	1/2	4,260.03	1/2	3,898.83	1/2	3,537.63	1/2	3,176.43	1/2	2,815.23
3/4		3/4		3/4		3/4	4,961.12	3/4	4,613.71	3/4	4,252.51	3/4	3,891.31	3/4	3,530.11	3/4	3,168.91	3/4	2,807.71
6		6		6		6	4,953.98	6	4,606.18	6	4,244.98	6	3,883.78	6	3,522.58	6	3,161.38	6	2,800.18
1/4		1/4		1/4		1/4	4,946.84	1/4	4,598.66	1/4	4,237.46	1/4	3,876.26	1/4	3,515.06	1/4	3,153.86	1/4	2,792.66
1/2		1/2		1/2		1/2	4,939.70	1/2	4,591.13	1/2	4,229.93	1/2	3,868.73	1/2	3,507.53	1/2	3,146.33	1/2	2,785.13
3/4		3/4		3/4		3/4	4,932.56	3/4	4,583.61	3/4	4,222.41	3/4	3,861.21	3/4	3,500.01	3/4	3,138.81	3/4	2,777.61
7		7		7		7	4,925.41	7	4,576.08	7	4,214.88	7	3,853.68	7	3,492.48	7	3,131.28	7	2,770.08
1/4		1/4		1/4		1/4	4,918.27	1/4	4,568.56	1/4	4,207.36	1/4	3,846.16	1/4	3,484.96	1/4	3,123.76	1/4	2,762.56
1/2		1/2		1/2		1/2	4,911.13	1/2	4,561.03	1/2	4,199.83	1/2	3,838.63	1/2	3,477.43	1/2	3,116.23	1/2	2,755.03
3/4		3/4		3/4		3/4	4,903.99	3/4	4,553.51	3/4	4,192.31	3/4	3,831.11	3/4	3,469.91	3/4	3,108.71	3/4	2,747.51
8		8		8		8	4,896.84	8	4,545.98	8	4,184.78	8	3,823.58	8	3,462.38	8	3,101.18	8	2,739.98
1/4		1/4		1/4		1/4	4,889.70	1/4	4,538.46	1/4	4,177.26	1/4	3,816.06	1/4	3,454.86	1/4	3,093.66	1/4	2,732.46
1/2		1/2		1/2		1/2	4,882.56	1/2	4,530.93	1/2	4,169.73	1/2	3,808.53	1/2	3,447.33	1/2	3,086.13	1/2	2,724.93
3/4		3/4		3/4		3/4	4,875.42	3/4	4,523.41	3/4	4,162.21	3/4	3,801.01	3/4	3,439.81	3/4	3,078.61	3/4	2,717.41
9		9		9		9	4,868.27	9	4,515.88	9	4,154.68	9	3,793.48	9	3,432.28	9	3,071.08	9	2,709.88
1/4		1/4		1/4		1/4	4,861.13	1/4	4,508.36	1/4	4,147.16	1/4	3,785.96	1/4	3,424.76	1/4	3,063.56	1/4	2,702.36
1/2		1/2		1/2		1/2	4,853.99	1/2	4,500.83	1/2	4,139.63	1/2	3,778.43	1/2	3,417.23	1/2	3,056.03	1/2	2,694.83
3/4		3/4		3/4		3/4	4,846.85	3/4	4,493.31	3/4	4,132.11	3/4	3,770.91	3/4	3,409.71	3/4	3,048.51	3/4	2,687.31
10		10		10		10	4,839.70	10	4,485.78	10	4,124.58	10	3,763.38	10	3,402.18	10	3,040.98	10	2,679.78
1/4		1/4		1/4		1/4	4,832.56	1/4	4,478.26	1/4	4,117.06	1/4	3,755.86	1/4	3,394.66	1/4	3,033.46	1/4	2,672.26
1/2		1/2		1/2		1/2	4,825.42	1/2	4,470.73	1/2	4,109.53	1/2	3,748.33	1/2	3,387.13	1/2	3,025.93	1/2	2,664.73
3/4		3/4		3/4		3/4	4,818.28	3/4	4,463.21	3/4	4,102.01	3/4	3,740.81	3/4	3,379.61	3/4	3,018.41	3/4	2,657.21
11		11		11		11	4,811.14	11	4,455.68	11	4,094.48	11	3,733.28	11	3,372.08	11	3,010.88	11	2,649.68
1/4		1/4		1/4		1/4	4,804.00	1/4	4,448.16	1/4	4,086.96	1/4	3,725.76	1/4	3,364.56	1/4	3,003.36	1/4	2,642.16
1/2		1/2		1/2		1/2	4,796.86	1/2	4,440.63	1/2	4,079.43	1/2	3,718.23	1/2	3,357.03	1/2	2,995.83	1/2	2,634.63
3/4		3/4		3/4		3/4	4,789.72	3/4	4,433.11	3/4	4,071.91	3/4	3,710.71	3/4	3,349.51	3/4	2,988.31	3/4	2,627.11

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 47'-03" FORWARD OF AFT BULKHEAD.

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

BARGE "HTCO 3066"

2 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	2,619.58	0	2,258.38	0	1,897.18	0	1,535.98	0	1,174.78	0	813.58	0	452.38	0	97.68	0		0	
1/4	2,612.06	1/4	2,250.86	1/4	1,889.66	1/4	1,528.46	1/4	1,167.26	1/4	806.06	1/4	444.86	1/4	90.75	1/4		1/4	
1/2	2,604.53	1/2	2,243.33	1/2	1,882.13	1/2	1,520.93	1/2	1,159.73	1/2	798.53	1/2	437.33	1/2	83.82	1/2		1/2	
3/4	2,597.01	3/4	2,235.81	3/4	1,874.61	3/4	1,513.41	3/4	1,152.21	3/4	791.01	3/4	429.81	3/4	76.88	3/4		3/4	
1	2,589.48	1	2,228.28	1	1,867.08	1	1,505.88	1	1,144.68	1	783.48	1	422.28	1	69.95	1		1	
1/4	2,581.96	1/4	2,220.76	1/4	1,859.56	1/4	1,498.36	1/4	1,137.16	1/4	775.96	1/4	414.76	1/4	63.14	1/4		1/4	
1/2	2,574.43	1/2	2,213.23	1/2	1,852.03	1/2	1,490.83	1/2	1,129.63	1/2	768.43	1/2	407.23	1/2	56.33	1/2		1/2	
3/4	2,566.91	3/4	2,205.71	3/4	1,844.51	3/4	1,483.31	3/4	1,122.11	3/4	760.91	3/4	399.71	3/4	49.52	3/4		3/4	
2	2,559.38	2	2,198.18	2	1,836.98	2	1,475.78	2	1,114.58	2	753.38	2	392.18	2	42.71	2		2	
1/4	2,551.86	1/4	2,190.66	1/4	1,829.46	1/4	1,468.26	1/4	1,107.06	1/4	745.86	1/4	384.66	1/4	37.43	1/4		1/4	
1/2	2,544.33	1/2	2,183.13	1/2	1,821.93	1/2	1,460.73	1/2	1,099.53	1/2	738.33	1/2	377.13	1/2	32.15	1/2		1/2	
3/4	2,536.81	3/4	2,175.61	3/4	1,814.41	3/4	1,453.21	3/4	1,092.01	3/4	730.81	3/4	369.61	3/4	26.87	3/4		3/4	
3	2,529.28	3	2,168.08	3	1,806.88	3	1,445.68	3	1,084.48	3	723.28	3	362.08	3	21.59	3		3	
1/4	2,521.75	1/4	2,160.56	1/4	1,799.36	1/4	1,438.16	1/4	1,076.96	1/4	715.76	1/4	354.56	1/4	18.06	1/4		1/4	
1/2	2,514.22	1/2	2,153.03	1/2	1,791.83	1/2	1,430.63	1/2	1,069.43	1/2	708.23	1/2	347.03	1/2		1/2		1/2	
3/4	2,506.69	3/4	2,145.51	3/4	1,784.31	3/4	1,423.11	3/4	1,061.91	3/4	700.71	3/4	339.51	3/4		3/4		3/4	
4	2,499.15	4	2,137.98	4	1,776.78	4	1,415.58	4	1,054.38	4	693.18	4	331.98	4		4		4	
1/4	2,491.64	1/4	2,130.46	1/4	1,769.26	1/4	1,408.06	1/4	1,046.86	1/4	685.66	1/4	324.46	1/4		1/4		1/4	
1/2	2,484.12	1/2	2,122.93	1/2	1,761.73	1/2	1,400.53	1/2	1,039.33	1/2	678.13	1/2	316.93	1/2		1/2		1/2	
3/4	2,476.60	3/4	2,115.41	3/4	1,754.21	3/4	1,393.01	3/4	1,031.81	3/4	670.61	3/4	309.41	3/4		3/4		3/4	
5	2,469.08	5	2,107.88	5	1,746.68	5	1,385.48	5	1,024.28	5	663.08	5	301.88	5		5		5	
1/4	2,461.56	1/4	2,100.36	1/4	1,739.16	1/4	1,377.96	1/4	1,016.76	1/4	655.56	1/4	294.36	1/4		1/4		1/4	
1/2	2,454.03	1/2	2,092.83	1/2	1,731.63	1/2	1,370.43	1/2	1,009.23	1/2	648.03	1/2	286.83	1/2		1/2		1/2	
3/4	2,446.51	3/4	2,085.31	3/4	1,724.11	3/4	1,362.91	3/4	1,001.71	3/4	640.51	3/4	279.31	3/4		3/4		3/4	
6	2,438.98	6	2,077.78	6	1,716.58	6	1,355.38	6	994.18	6	632.98	6	271.78	6		6		6	
1/4	2,431.46	1/4	2,070.26	1/4	1,709.06	1/4	1,347.86	1/4	986.66	1/4	625.46	1/4	264.26	1/4		1/4		1/4	
1/2	2,423.93	1/2	2,062.73	1/2	1,701.53	1/2	1,340.33	1/2	979.13	1/2	617.93	1/2	256.73	1/2		1/2		1/2	
3/4	2,416.41	3/4	2,055.21	3/4	1,694.01	3/4	1,332.81	3/4	971.61	3/4	610.41	3/4	249.21	3/4		3/4		3/4	
7	2,408.88	7	2,047.68	7	1,686.48	7	1,325.28	7	964.08	7	602.88	7	241.68	7		7		7	
1/4	2,401.36	1/4	2,040.16	1/4	1,678.96	1/4	1,317.76	1/4	956.56	1/4	595.36	1/4	234.16	1/4		1/4		1/4	
1/2	2,393.83	1/2	2,032.63	1/2	1,671.43	1/2	1,310.23	1/2	949.03	1/2	587.83	1/2	226.63	1/2		1/2		1/2	
3/4	2,386.31	3/4	2,025.11	3/4	1,663.91	3/4	1,302.71	3/4	941.51	3/4	580.31	3/4	219.11	3/4		3/4		3/4	
8	2,378.78	8	2,017.58	8	1,656.38	8	1,295.18	8	933.98	8	572.78	8	211.58	8		8		8	
1/4	2,371.26	1/4	2,010.06	1/4	1,648.86	1/4	1,287.66	1/4	926.46	1/4	565.26	1/4	204.06	1/4		1/4		1/4	
1/2	2,363.73	1/2	2,002.53	1/2	1,641.33	1/2	1,280.13	1/2	918.93	1/2	557.73	1/2	196.53	1/2		1/2		1/2	
3/4	2,356.21	3/4	1,995.01	3/4	1,633.81	3/4	1,272.61	3/4	911.41	3/4	550.21	3/4	189.01	3/4		3/4		3/4	
9	2,348.68	9	1,987.48	9	1,626.28	9	1,265.08	9	903.88	9	542.68	9	181.48	9		9		9	
1/4	2,341.16	1/4	1,979.96	1/4	1,618.76	1/4	1,257.56	1/4	896.36	1/4	535.16	1/4	174.40	1/4		1/4		1/4	
1/2	2,333.63	1/2	1,972.43	1/2	1,611.23	1/2	1,250.03	1/2	888.83	1/2	527.63	1/2	167.32	1/2		1/2		1/2	
3/4	2,326.11	3/4	1,964.91	3/4	1,603.71	3/4	1,242.51	3/4	881.31	3/4	520.11	3/4	160.23	3/4		3/4		3/4	
10	2,318.58	10	1,957.38	10	1,596.18	10	1,234.98	10	873.78	10	512.58	10	153.15	10		10		10	
1/4	2,311.06	1/4	1,949.86	1/4	1,588.66	1/4	1,227.46	1/4	866.26	1/4	505.06	1/4	146.22	1/4		1/4		1/4	
1/2	2,303.53	1/2	1,942.33	1/2	1,581.13	1/2	1,219.93	1/2	858.73	1/2	497.53	1/2	139.29	1/2		1/2		1/2	
3/4	2,296.01	3/4	1,934.81	3/4	1,573.61	3/4	1,212.41	3/4	851.21	3/4	490.01	3/4	132.35	3/4		3/4		3/4	
11	2,288.48	11	1,927.28	11	1,566.08	11	1,204.88	11	843.68	11	482.48	11	125.42	11		11		11	
1/4	2,280.96	1/4	1,919.76	1/4	1,558.56	1/4	1,197.36	1/4	836.16	1/4	474.96	1/4	118.49	1/4		1/4		1/4	
1/2	2,273.43	1/2	1,912.23	1/2	1,551.03	1/2	1,189.83	1/2	828.63	1/2	467.43	1/2	111.55	1/2		1/2		1/2	
3/4	2,265.91	3/4	1,904.71	3/4	1,543.51	3/4	1,182.31	3/4	821.11	3/4	459.91	3/4	104.62	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/26/2009 INS
RECALCULATED: 08/20/2019 SW
REPRINTED: 08/20/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "HTCO 3066"

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	4,782.57	0	4,425.58	0	4,064.38	0	3,703.18	0	3,341.98	0	2,980.78
1/4		1/4		1/4		1/4		1/4	4,775.43	1/4	4,418.06	1/4	4,056.86	1/4	3,695.66	1/4	3,334.46	1/4	2,973.26
1/2		1/2		1/2		1/2		1/2	4,768.29	1/2	4,410.53	1/2	4,049.33	1/2	3,688.13	1/2	3,326.93	1/2	2,965.73
3/4		3/4		3/4		3/4	5,090.12	3/4	4,761.15	3/4	4,403.01	3/4	4,041.81	3/4	3,680.61	3/4	3,319.41	3/4	2,958.21
1		1		1		1	5,085.86	1	4,754.00	1	4,395.48	1	4,034.28	1	3,673.08	1	3,311.88	1	2,950.68
1/4		1/4		1/4		1/4	5,080.54	1/4	4,746.86	1/4	4,387.96	1/4	4,026.76	1/4	3,665.56	1/4	3,304.36	1/4	2,943.16
1/2		1/2		1/2		1/2	5,075.21	1/2	4,739.72	1/2	4,380.43	1/2	4,019.23	1/2	3,658.03	1/2	3,296.83	1/2	2,935.63
3/4		3/4		3/4		3/4	5,069.88	3/4	4,732.58	3/4	4,372.91	3/4	4,011.71	3/4	3,650.51	3/4	3,289.31	3/4	2,928.11
2		2		2		2	5,064.55	2	4,725.43	2	4,365.38	2	4,004.18	2	3,642.98	2	3,281.78	2	2,920.58
1/4		1/4		1/4		1/4	5,058.20	1/4	4,718.20	1/4	4,357.86	1/4	3,996.66	1/4	3,635.46	1/4	3,274.26	1/4	2,913.06
1/2		1/2		1/2		1/2	5,051.85	1/2	4,710.96	1/2	4,350.33	1/2	3,989.13	1/2	3,627.93	1/2	3,266.73	1/2	2,905.53
3/4		3/4		3/4		3/4	5,045.50	3/4	4,703.72	3/4	4,342.81	3/4	3,981.61	3/4	3,620.41	3/4	3,259.21	3/4	2,898.01
3		3		3		3	5,039.14	3	4,696.48	3	4,335.28	3	3,974.08	3	3,612.88	3	3,251.68	3	2,890.48
1/4		1/4		1/4		1/4	5,032.14	1/4	4,688.96	1/4	4,327.76	1/4	3,966.56	1/4	3,605.35	1/4	3,244.16	1/4	2,882.96
1/2		1/2		1/2		1/2	5,025.13	1/2	4,681.43	1/2	4,320.23	1/2	3,959.03	1/2	3,597.82	1/2	3,236.63	1/2	2,875.43
3/4		3/4		3/4		3/4	5,018.12	3/4	4,673.91	3/4	4,312.71	3/4	3,951.51	3/4	3,590.29	3/4	3,229.11	3/4	2,867.91
4		4		4		4	5,011.11	4	4,666.38	4	4,305.18	4	3,943.98	4	3,582.76	4	3,221.58	4	2,860.38
1/4		1/4		1/4		1/4	5,003.97	1/4	4,658.86	1/4	4,297.66	1/4	3,936.46	1/4	3,575.24	1/4	3,214.06	1/4	2,852.86
1/2		1/2		1/2		1/2	4,996.83	1/2	4,651.33	1/2	4,290.13	1/2	3,928.93	1/2	3,567.72	1/2	3,206.53	1/2	2,845.33
3/4		3/4		3/4		3/4	4,989.69	3/4	4,643.81	3/4	4,282.61	3/4	3,921.41	3/4	3,560.20	3/4	3,199.01	3/4	2,837.81
5		5		5		5	4,982.54	5	4,636.28	5	4,275.08	5	3,913.88	5	3,552.68	5	3,191.48	5	2,830.28
1/4		1/4		1/4		1/4	4,975.40	1/4	4,628.76	1/4	4,267.56	1/4	3,906.36	1/4	3,545.16	1/4	3,183.96	1/4	2,822.76
1/2		1/2		1/2		1/2	4,968.26	1/2	4,621.23	1/2	4,260.03	1/2	3,898.83	1/2	3,537.63	1/2	3,176.43	1/2	2,815.23
3/4		3/4		3/4		3/4	4,961.12	3/4	4,613.71	3/4	4,252.51	3/4	3,891.31	3/4	3,530.11	3/4	3,168.91	3/4	2,807.71
6		6		6		6	4,953.98	6	4,606.18	6	4,244.98	6	3,883.78	6	3,522.58	6	3,161.38	6	2,800.18
1/4		1/4		1/4		1/4	4,946.84	1/4	4,598.66	1/4	4,237.46	1/4	3,876.26	1/4	3,515.06	1/4	3,153.86	1/4	2,792.66
1/2		1/2		1/2		1/2	4,939.70	1/2	4,591.13	1/2	4,229.93	1/2	3,868.73	1/2	3,507.53	1/2	3,146.33	1/2	2,785.13
3/4		3/4		3/4		3/4	4,932.56	3/4	4,583.61	3/4	4,222.41	3/4	3,861.21	3/4	3,500.01	3/4	3,138.81	3/4	2,777.61
7		7		7		7	4,925.41	7	4,576.08	7	4,214.88	7	3,853.68	7	3,492.48	7	3,131.28	7	2,770.08
1/4		1/4		1/4		1/4	4,918.27	1/4	4,568.56	1/4	4,207.36	1/4	3,846.16	1/4	3,484.96	1/4	3,123.76	1/4	2,762.56
1/2		1/2		1/2		1/2	4,911.13	1/2	4,561.03	1/2	4,199.83	1/2	3,838.63	1/2	3,477.43	1/2	3,116.23	1/2	2,755.03
3/4		3/4		3/4		3/4	4,903.99	3/4	4,553.51	3/4	4,192.31	3/4	3,831.11	3/4	3,469.91	3/4	3,108.71	3/4	2,747.51
8		8		8		8	4,896.84	8	4,545.98	8	4,184.78	8	3,823.58	8	3,462.38	8	3,101.18	8	2,739.98
1/4		1/4		1/4		1/4	4,889.70	1/4	4,538.46	1/4	4,177.26	1/4	3,816.06	1/4	3,454.86	1/4	3,093.66	1/4	2,732.46
1/2		1/2		1/2		1/2	4,882.56	1/2	4,530.93	1/2	4,169.73	1/2	3,808.53	1/2	3,447.33	1/2	3,086.13	1/2	2,724.93
3/4		3/4		3/4		3/4	4,875.42	3/4	4,523.41	3/4	4,162.21	3/4	3,801.01	3/4	3,439.81	3/4	3,078.61	3/4	2,717.41
9		9		9		9	4,868.27	9	4,515.88	9	4,154.68	9	3,793.48	9	3,432.28	9	3,071.08	9	2,709.88
1/4		1/4		1/4		1/4	4,861.13	1/4	4,508.36	1/4	4,147.16	1/4	3,785.96	1/4	3,424.76	1/4	3,063.56	1/4	2,702.36
1/2		1/2		1/2		1/2	4,853.99	1/2	4,500.83	1/2	4,139.63	1/2	3,778.43	1/2	3,417.23	1/2	3,056.03	1/2	2,694.83
3/4		3/4		3/4		3/4	4,846.85	3/4	4,493.31	3/4	4,132.11	3/4	3,770.91	3/4	3,409.71	3/4	3,048.51	3/4	2,687.31
10		10		10		10	4,839.70	10	4,485.78	10	4,124.58	10	3,763.38	10	3,402.18	10	3,040.98	10	2,679.78
1/4		1/4		1/4		1/4	4,832.56	1/4	4,478.26	1/4	4,117.06	1/4	3,755.86	1/4	3,394.66	1/4	3,033.46	1/4	2,672.26
1/2		1/2		1/2		1/2	4,825.42	1/2	4,470.73	1/2	4,109.53	1/2	3,748.33	1/2	3,387.13	1/2	3,025.93	1/2	2,664.73
3/4		3/4		3/4		3/4	4,818.28	3/4	4,463.21	3/4	4,102.01	3/4	3,740.81	3/4	3,379.61	3/4	3,018.41	3/4	2,657.21
11		11		11		11	4,811.14	11	4,455.68	11	4,094.48	11	3,733.28	11	3,372.08	11	3,010.88	11	2,649.68
1/4		1/4		1/4		1/4	4,804.00	1/4	4,448.16	1/4	4,086.96	1/4	3,725.76	1/4	3,364.56	1/4	3,003.36	1/4	2,642.16
1/2		1/2		1/2		1/2	4,796.86	1/2	4,440.63	1/2	4,079.43	1/2	3,718.23	1/2	3,357.03	1/2	2,995.83	1/2	2,634.63
3/4		3/4		3/4		3/4	4,789.72	3/4	4,433.11	3/4	4,071.91	3/4	3,710.71	3/4	3,349.51	3/4	2,988.31	3/4	2,627.11

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 47'-03" FORWARD OF AFT BULKHEAD.

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

BARGE "HTCO 3066"

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	2,619.58	0	2,258.38	0	1,897.18	0	1,535.98	0	1,174.78	0	813.58	0	452.38	0	97.68	0		0	
1/4	2,612.06	1/4	2,250.86	1/4	1,889.66	1/4	1,528.46	1/4	1,167.26	1/4	806.06	1/4	444.86	1/4	90.75	1/4		1/4	
1/2	2,604.53	1/2	2,243.33	1/2	1,882.13	1/2	1,520.93	1/2	1,159.73	1/2	798.53	1/2	437.33	1/2	83.82	1/2		1/2	
3/4	2,597.01	3/4	2,235.81	3/4	1,874.61	3/4	1,513.41	3/4	1,152.21	3/4	791.01	3/4	429.81	3/4	76.88	3/4		3/4	
1	2,589.48	1	2,228.28	1	1,867.08	1	1,505.88	1	1,144.68	1	783.48	1	422.28	1	69.95	1		1	
1/4	2,581.96	1/4	2,220.76	1/4	1,859.56	1/4	1,498.36	1/4	1,137.16	1/4	775.96	1/4	414.76	1/4	63.14	1/4		1/4	
1/2	2,574.43	1/2	2,213.23	1/2	1,852.03	1/2	1,490.83	1/2	1,129.63	1/2	768.43	1/2	407.23	1/2	56.33	1/2		1/2	
3/4	2,566.91	3/4	2,205.71	3/4	1,844.51	3/4	1,483.31	3/4	1,122.11	3/4	760.91	3/4	399.71	3/4	49.52	3/4		3/4	
2	2,559.38	2	2,198.18	2	1,836.98	2	1,475.78	2	1,114.58	2	753.38	2	392.18	2	42.71	2		2	
1/4	2,551.86	1/4	2,190.66	1/4	1,829.46	1/4	1,468.26	1/4	1,107.06	1/4	745.86	1/4	384.66	1/4	37.43	1/4		1/4	
1/2	2,544.33	1/2	2,183.13	1/2	1,821.93	1/2	1,460.73	1/2	1,099.53	1/2	738.33	1/2	377.13	1/2	32.15	1/2		1/2	
3/4	2,536.81	3/4	2,175.61	3/4	1,814.41	3/4	1,453.21	3/4	1,092.01	3/4	730.81	3/4	369.61	3/4	26.87	3/4		3/4	
3	2,529.28	3	2,168.08	3	1,806.88	3	1,445.68	3	1,084.48	3	723.28	3	362.08	3	21.59	3		3	
1/4	2,521.75	1/4	2,160.56	1/4	1,799.36	1/4	1,438.16	1/4	1,076.96	1/4	715.76	1/4	354.56	1/4	18.06	1/4		1/4	
1/2	2,514.22	1/2	2,153.03	1/2	1,791.83	1/2	1,430.63	1/2	1,069.43	1/2	708.23	1/2	347.03	1/2		1/2		1/2	
3/4	2,506.69	3/4	2,145.51	3/4	1,784.31	3/4	1,423.11	3/4	1,061.91	3/4	700.71	3/4	339.51	3/4		3/4		3/4	
4	2,499.15	4	2,137.98	4	1,776.78	4	1,415.58	4	1,054.38	4	693.18	4	331.98	4		4		4	
1/4	2,491.64	1/4	2,130.46	1/4	1,769.26	1/4	1,408.06	1/4	1,046.86	1/4	685.66	1/4	324.46	1/4		1/4		1/4	
1/2	2,484.12	1/2	2,122.93	1/2	1,761.73	1/2	1,400.53	1/2	1,039.33	1/2	678.13	1/2	316.93	1/2		1/2		1/2	
3/4	2,476.60	3/4	2,115.41	3/4	1,754.21	3/4	1,393.01	3/4	1,031.81	3/4	670.61	3/4	309.41	3/4		3/4		3/4	
5	2,469.08	5	2,107.88	5	1,746.68	5	1,385.48	5	1,024.28	5	663.08	5	301.88	5		5		5	
1/4	2,461.56	1/4	2,100.36	1/4	1,739.16	1/4	1,377.96	1/4	1,016.76	1/4	655.56	1/4	294.36	1/4		1/4		1/4	
1/2	2,454.03	1/2	2,092.83	1/2	1,731.63	1/2	1,370.43	1/2	1,009.23	1/2	648.03	1/2	286.83	1/2		1/2		1/2	
3/4	2,446.51	3/4	2,085.31	3/4	1,724.11	3/4	1,362.91	3/4	1,001.71	3/4	640.51	3/4	279.31	3/4		3/4		3/4	
6	2,438.98	6	2,077.78	6	1,716.58	6	1,355.38	6	994.18	6	632.98	6	271.78	6		6		6	
1/4	2,431.46	1/4	2,070.26	1/4	1,709.06	1/4	1,347.86	1/4	986.66	1/4	625.46	1/4	264.26	1/4		1/4		1/4	
1/2	2,423.93	1/2	2,062.73	1/2	1,701.53	1/2	1,340.33	1/2	979.13	1/2	617.93	1/2	256.73	1/2		1/2		1/2	
3/4	2,416.41	3/4	2,055.21	3/4	1,694.01	3/4	1,332.81	3/4	971.61	3/4	610.41	3/4	249.21	3/4		3/4		3/4	
7	2,408.88	7	2,047.68	7	1,686.48	7	1,325.28	7	964.08	7	602.88	7	241.68	7		7		7	
1/4	2,401.36	1/4	2,040.16	1/4	1,678.96	1/4	1,317.76	1/4	956.56	1/4	595.36	1/4	234.16	1/4		1/4		1/4	
1/2	2,393.83	1/2	2,032.63	1/2	1,671.43	1/2	1,310.23	1/2	949.03	1/2	587.83	1/2	226.63	1/2		1/2		1/2	
3/4	2,386.31	3/4	2,025.11	3/4	1,663.91	3/4	1,302.71	3/4	941.51	3/4	580.31	3/4	219.11	3/4		3/4		3/4	
8	2,378.78	8	2,017.58	8	1,656.38	8	1,295.18	8	933.98	8	572.78	8	211.58	8		8		8	
1/4	2,371.26	1/4	2,010.06	1/4	1,648.86	1/4	1,287.66	1/4	926.46	1/4	565.26	1/4	204.06	1/4		1/4		1/4	
1/2	2,363.73	1/2	2,002.53	1/2	1,641.33	1/2	1,280.13	1/2	918.93	1/2	557.73	1/2	196.53	1/2		1/2		1/2	
3/4	2,356.21	3/4	1,995.01	3/4	1,633.81	3/4	1,272.61	3/4	911.41	3/4	550.21	3/4	189.01	3/4		3/4		3/4	
9	2,348.68	9	1,987.48	9	1,626.28	9	1,265.08	9	903.88	9	542.68	9	181.48	9		9		9	
1/4	2,341.16	1/4	1,979.96	1/4	1,618.76	1/4	1,257.56	1/4	896.36	1/4	535.16	1/4	174.40	1/4		1/4		1/4	
1/2	2,333.63	1/2	1,972.43	1/2	1,611.23	1/2	1,250.03	1/2	888.83	1/2	527.63	1/2	167.32	1/2		1/2		1/2	
3/4	2,326.11	3/4	1,964.91	3/4	1,603.71	3/4	1,242.51	3/4	881.31	3/4	520.11	3/4	160.23	3/4		3/4		3/4	
10	2,318.58	10	1,957.38	10	1,596.18	10	1,234.98	10	873.78	10	512.58	10	153.15	10		10		10	
1/4	2,311.06	1/4	1,949.86	1/4	1,588.66	1/4	1,227.46	1/4	866.26	1/4	505.06	1/4	146.22	1/4		1/4		1/4	
1/2	2,303.53	1/2	1,942.33	1/2	1,581.13	1/2	1,219.93	1/2	858.73	1/2	497.53	1/2	139.29	1/2		1/2		1/2	
3/4	2,296.01	3/4	1,934.81	3/4	1,573.61	3/4	1,212.41	3/4	851.21	3/4	490.01	3/4	132.35	3/4		3/4		3/4	
11	2,288.48	11	1,927.28	11	1,566.08	11	1,204.88	11	843.68	11	482.48	11	125.42	11		11		11	
1/4	2,280.96	1/4	1,919.76	1/4	1,558.56	1/4	1,197.36	1/4	836.16	1/4	474.96	1/4	118.49	1/4		1/4		1/4	
1/2	2,273.43	1/2	1,912.23	1/2	1,551.03	1/2	1,189.83	1/2	828.63	1/2	467.43	1/2	111.55	1/2		1/2		1/2	
3/4	2,265.91	3/4	1,904.71	3/4	1,543.51	3/4	1,182.31	3/4	821.11	3/4	459.91	3/4	104.62	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/26/2009 INS
RECALCULATED: 08/20/2019 SW
REPRINTED: 08/20/2019 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 3066"

3 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	3,885.21	0	3,777.40	0	3,669.59	0	3,561.78	0	3,336.29	0	2,977.44
1/4		1/4		1/4		1/4		1/4	3,882.96	1/4	3,775.15	1/4	3,667.35	1/4	3,559.54	1/4	3,328.82	1/4	2,969.97
1/2		1/2		1/2		1/2		1/2	3,880.71	1/2	3,772.90	1/2	3,665.10	1/2	3,557.29	1/2	3,321.34	1/2	2,962.49
3/4		3/4		3/4		3/4		3/4	3,878.47	3/4	3,770.66	3/4	3,662.85	3/4	3,555.04	3/4	3,313.86	3/4	2,955.01
1		1		1		1	3,979.61	1	3,876.22	1	3,768.42	1	3,660.61	1	3,552.80	1	3,306.39	1	2,947.54
1/4		1/4		1/4		1/4	3,978.28	1/4	3,873.98	1/4	3,766.17	1/4	3,658.36	1/4	3,550.55	1/4	3,298.91	1/4	2,940.06
1/2		1/2		1/2		1/2	3,976.62	1/2	3,871.73	1/2	3,763.93	1/2	3,656.11	1/2	3,548.30	1/2	3,291.43	1/2	2,932.58
3/4		3/4		3/4		3/4	3,974.95	3/4	3,869.48	3/4	3,761.68	3/4	3,653.87	3/4	3,546.06	3/4	3,283.96	3/4	2,925.11
2		2		2		2	3,973.29	2	3,867.24	2	3,759.43	2	3,651.62	2	3,543.81	2	3,276.48	2	2,917.63
1/4		1/4		1/4		1/4	3,971.63	1/4	3,864.99	1/4	3,757.19	1/4	3,649.38	1/4	3,541.57	1/4	3,269.01	1/4	2,910.16
1/2		1/2		1/2		1/2	3,969.63	1/2	3,862.74	1/2	3,754.94	1/2	3,647.13	1/2	3,539.25	1/2	3,261.53	1/2	2,902.68
3/4		3/4		3/4		3/4	3,967.64	3/4	3,860.50	3/4	3,752.69	3/4	3,644.88	3/4	3,536.93	3/4	3,254.05	3/4	2,895.21
3		3		3		3	3,965.64	3	3,858.25	3	3,750.45	3	3,642.64	3	3,534.62	3	3,246.58	3	2,887.73
1/4		1/4		1/4		1/4	3,963.65	1/4	3,856.01	1/4	3,748.20	1/4	3,640.39	1/4	3,532.30	1/4	3,239.10	1/4	2,880.26
1/2		1/2		1/2		1/2	3,961.44	1/2	3,853.76	1/2	3,745.95	1/2	3,638.14	1/2	3,529.42	1/2	3,231.62	1/2	2,872.78
3/4		3/4		3/4		3/4	3,959.24	3/4	3,851.52	3/4	3,743.71	3/4	3,635.90	3/4	3,526.55	3/4	3,224.15	3/4	2,865.30
4		4		4		4	3,957.04	4	3,849.27	4	3,741.46	4	3,633.65	4	3,523.67	4	3,216.67	4	2,857.83
1/4		1/4		1/4		1/4	3,954.83	1/4	3,847.03	1/4	3,739.22	1/4	3,631.41	1/4	3,520.80	1/4	3,209.20	1/4	2,850.35
1/2		1/2		1/2		1/2	3,952.59	1/2	3,844.78	1/2	3,736.97	1/2	3,629.16	1/2	3,517.20	1/2	3,201.72	1/2	2,842.87
3/4		3/4		3/4		3/4	3,950.34	3/4	3,842.53	3/4	3,734.72	3/4	3,626.92	3/4	3,513.59	3/4	3,194.25	3/4	2,835.40
5		5		5		5	3,948.09	5	3,840.29	5	3,732.48	5	3,624.67	5	3,509.99	5	3,186.77	5	2,827.92
1/4		1/4		1/4		1/4	3,945.85	1/4	3,838.04	1/4	3,730.23	1/4	3,622.43	1/4	3,506.39	1/4	3,179.30	1/4	2,820.45
1/2		1/2		1/2		1/2	3,943.60	1/2	3,835.79	1/2	3,727.98	1/2	3,620.18	1/2	3,502.01	1/2	3,171.82	1/2	2,812.97
3/4		3/4		3/4		3/4	3,941.36	3/4	3,833.55	3/4	3,725.74	3/4	3,617.93	3/4	3,497.63	3/4	3,164.34	3/4	2,805.49
6		6		6		6	3,939.11	6	3,831.30	6	3,723.49	6	3,615.69	6	3,493.26	6	3,156.87	6	2,798.02
1/4		1/4		1/4		1/4	3,936.87	1/4	3,829.06	1/4	3,721.25	1/4	3,613.44	1/4	3,488.88	1/4	3,149.39	1/4	2,790.54
1/2		1/2		1/2		1/2	3,934.62	1/2	3,826.81	1/2	3,719.00	1/2	3,611.19	1/2	3,483.73	1/2	3,141.91	1/2	2,783.06
3/4		3/4		3/4		3/4	3,932.37	3/4	3,824.56	3/4	3,716.76	3/4	3,608.95	3/4	3,478.57	3/4	3,134.44	3/4	2,775.59
7		7		7		7	3,930.13	7	3,822.32	7	3,714.51	7	3,606.70	7	3,473.42	7	3,126.96	7	2,768.11
1/4		1/4		1/4		1/4	3,927.88	1/4	3,820.07	1/4	3,712.27	1/4	3,604.46	1/4	3,468.27	1/4	3,119.49	1/4	2,760.64
1/2		1/2		1/2		1/2	3,925.63	1/2	3,817.82	1/2	3,710.02	1/2	3,602.21	1/2	3,462.34	1/2	3,112.01	1/2	2,753.16
3/4		3/4		3/4		3/4	3,923.39	3/4	3,815.58	3/4	3,707.77	3/4	3,599.96	3/4	3,456.41	3/4	3,104.53	3/4	2,745.69
8		8		8		8	3,921.14	8	3,813.33	8	3,705.53	8	3,597.72	8	3,450.49	8	3,097.06	8	2,738.21
1/4		1/4		1/4		1/4	3,918.90	1/4	3,811.09	1/4	3,703.28	1/4	3,595.47	1/4	3,444.56	1/4	3,089.58	1/4	2,730.74
1/2		1/2		1/2		1/2	3,916.65	1/2	3,808.84	1/2	3,701.03	1/2	3,593.22	1/2	3,437.86	1/2	3,082.10	1/2	2,723.26
3/4		3/4		3/4		3/4	3,914.40	3/4	3,806.60	3/4	3,698.79	3/4	3,590.98	3/4	3,431.16	3/4	3,074.63	3/4	2,715.78
9		9		9		9	3,912.16	9	3,804.35	9	3,696.54	9	3,588.73	9	3,424.46	9	3,067.15	9	2,708.31
1/4		1/4		1/4		1/4	3,909.91	1/4	3,802.11	1/4	3,694.30	1/4	3,586.49	1/4	3,417.76	1/4	3,059.68	1/4	2,700.83
1/2		1/2		1/2		1/2	3,907.66	1/2	3,799.86	1/2	3,692.05	1/2	3,584.24	1/2	3,410.47	1/2	3,052.20	1/2	2,693.35
3/4		3/4		3/4		3/4	3,905.42	3/4	3,797.61	3/4	3,689.80	3/4	3,582.00	3/4	3,403.19	3/4	3,044.73	3/4	2,685.88
10		10		10		10	3,903.17	10	3,795.37	10	3,687.56	10	3,579.75	10	3,395.90	10	3,037.25	10	2,678.40
1/4		1/4		1/4		1/4	3,900.93	1/4	3,793.12	1/4	3,685.31	1/4	3,577.51	1/4	3,388.62	1/4	3,029.78	1/4	2,670.93
1/2		1/2		1/2		1/2	3,898.68	1/2	3,790.87	1/2	3,683.06	1/2	3,575.26	1/2	3,381.14	1/2	3,022.30	1/2	2,663.45
3/4		3/4		3/4		3/4	3,896.44	3/4	3,788.63	3/4	3,680.82	3/4	3,573.01	3/4	3,373.67	3/4	3,014.82	3/4	2,655.97
11		11		11		11	3,894.19	11	3,786.38	11	3,678.57	11	3,570.77	11	3,366.19	11	3,007.35	11	2,648.50
1/4		1/4		1/4		1/4	3,891.95	1/4	3,784.14	1/4	3,676.33	1/4	3,568.52	1/4	3,358.72	1/4	2,999.87	1/4	2,641.02
1/2		1/2		1/2		1/2	3,889.70	1/2	3,781.89	1/2	3,674.08	1/2	3,566.27	1/2	3,351.24	1/2	2,992.39	1/2	2,633.54
3/4		3/4		3/4		3/4	3,887.45	3/4	3,779.64	3/4	3,671.84	3/4	3,564.03	3/4	3,343.77	3/4	2,984.92	3/4	2,626.07

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 67'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "HTCO 3066"

3 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,618.59	0	2,259.75	0	1,900.90	0	1,542.05	0	1,183.20	0	824.35	0	465.51	0	109.06	0		0	
1/4	2,611.12	1/4	2,252.27	1/4	1,893.42	1/4	1,534.58	1/4	1,175.73	1/4	816.88	1/4	458.03	1/4	101.82	1/4		1/4	
1/2	2,603.64	1/2	2,244.79	1/2	1,885.94	1/2	1,527.10	1/2	1,168.25	1/2	809.40	1/2	450.55	1/2	94.58	1/2		1/2	
3/4	2,596.17	3/4	2,237.32	3/4	1,878.47	3/4	1,519.62	3/4	1,160.77	3/4	801.93	3/4	443.08	3/4	87.35	3/4		3/4	
1	2,588.69	1	2,229.84	1	1,870.99	1	1,512.15	1	1,153.30	1	794.45	1	435.60	1	80.11	1		1	
1/4	2,581.22	1/4	2,222.37	1/4	1,863.52	1/4	1,504.67	1/4	1,145.82	1/4	786.98	1/4	428.13	1/4	72.88	1/4		1/4	
1/2	2,573.74	1/2	2,214.89	1/2	1,856.04	1/2	1,497.19	1/2	1,138.34	1/2	779.50	1/2	420.65	1/2	65.78	1/2		1/2	
3/4	2,566.26	3/4	2,207.41	3/4	1,848.57	3/4	1,489.72	3/4	1,130.87	3/4	772.02	3/4	413.17	3/4	58.67	3/4		3/4	
2	2,558.79	2	2,199.94	2	1,841.09	2	1,482.24	2	1,123.39	2	764.55	2	405.70	2	51.57	2		2	
1/4	2,551.31	1/4	2,192.46	1/4	1,833.62	1/4	1,474.77	1/4	1,115.92	1/4	757.07	1/4	398.22	1/4	44.47	1/4		1/4	
1/2	2,543.83	1/2	2,184.98	1/2	1,826.14	1/2	1,467.29	1/2	1,108.44	1/2	749.59	1/2	390.74	1/2	38.97	1/2		1/2	
3/4	2,536.36	3/4	2,177.51	3/4	1,818.66	3/4	1,459.81	3/4	1,100.97	3/4	742.12	3/4	383.27	3/4	33.47	3/4		3/4	
3	2,528.88	3	2,170.03	3	1,811.19	3	1,452.34	3	1,093.49	3	734.64	3	375.79	3	27.97	3		3	
1/4	2,521.41	1/4	2,162.56	1/4	1,803.71	1/4	1,444.86	1/4	1,086.02	1/4	727.17	1/4	368.32	1/4	22.47	1/4		1/4	
1/2	2,513.93	1/2	2,155.08	1/2	1,796.23	1/2	1,437.38	1/2	1,078.54	1/2	719.69	1/2	360.84	1/2	18.79	1/2		1/2	
3/4	2,506.45	3/4	2,147.61	3/4	1,788.76	3/4	1,429.91	3/4	1,071.06	3/4	712.21	3/4	353.37	3/4		3/4		3/4	
4	2,498.98	4	2,140.13	4	1,781.28	4	1,422.43	4	1,063.59	4	704.74	4	345.89	4		4		4	
1/4	2,491.50	1/4	2,132.66	1/4	1,773.81	1/4	1,414.96	1/4	1,056.11	1/4	697.26	1/4	338.42	1/4		1/4		1/4	
1/2	2,484.02	1/2	2,125.18	1/2	1,766.33	1/2	1,407.48	1/2	1,048.63	1/2	689.78	1/2	330.94	1/2		1/2		1/2	
3/4	2,476.55	3/4	2,117.70	3/4	1,758.85	3/4	1,400.01	3/4	1,041.16	3/4	682.31	3/4	323.46	3/4		3/4		3/4	
5	2,469.07	5	2,110.23	5	1,751.38	5	1,392.53	5	1,033.68	5	674.83	5	315.99	5		5		5	
1/4	2,461.60	1/4	2,102.75	1/4	1,743.90	1/4	1,385.06	1/4	1,026.21	1/4	667.36	1/4	308.51	1/4		1/4		1/4	
1/2	2,454.12	1/2	2,095.27	1/2	1,736.42	1/2	1,377.58	1/2	1,018.73	1/2	659.88	1/2	301.03	1/2		1/2		1/2	
3/4	2,446.65	3/4	2,087.80	3/4	1,728.95	3/4	1,370.10	3/4	1,011.25	3/4	652.41	3/4	293.56	3/4		3/4		3/4	
6	2,439.17	6	2,080.32	6	1,721.47	6	1,362.63	6	1,003.78	6	644.93	6	286.08	6		6		6	
1/4	2,431.70	1/4	2,072.85	1/4	1,714.00	1/4	1,355.15	1/4	996.30	1/4	637.46	1/4	278.61	1/4		1/4		1/4	
1/2	2,424.22	1/2	2,065.37	1/2	1,706.52	1/2	1,347.67	1/2	988.82	1/2	629.98	1/2	271.13	1/2		1/2		1/2	
3/4	2,416.74	3/4	2,057.89	3/4	1,699.05	3/4	1,340.20	3/4	981.35	3/4	622.50	3/4	263.65	3/4		3/4		3/4	
7	2,409.27	7	2,050.42	7	1,691.57	7	1,332.72	7	973.87	7	615.03	7	256.18	7		7		7	
1/4	2,401.79	1/4	2,042.94	1/4	1,684.10	1/4	1,325.25	1/4	966.40	1/4	607.55	1/4	248.70	1/4		1/4		1/4	
1/2	2,394.31	1/2	2,035.46	1/2	1,676.62	1/2	1,317.77	1/2	958.92	1/2	600.07	1/2	241.22	1/2		1/2		1/2	
3/4	2,386.84	3/4	2,027.99	3/4	1,669.14	3/4	1,310.29	3/4	951.45	3/4	592.60	3/4	233.75	3/4		3/4		3/4	
8	2,379.36	8	2,020.51	8	1,661.67	8	1,302.82	8	943.97	8	585.12	8	226.27	8		8		8	
1/4	2,371.89	1/4	2,013.04	1/4	1,654.19	1/4	1,295.34	1/4	936.50	1/4	577.65	1/4	218.80	1/4		1/4		1/4	
1/2	2,364.41	1/2	2,005.56	1/2	1,646.71	1/2	1,287.86	1/2	929.02	1/2	570.17	1/2	211.32	1/2		1/2		1/2	
3/4	2,356.93	3/4	1,998.09	3/4	1,639.24	3/4	1,280.39	3/4	921.54	3/4	562.69	3/4	203.85	3/4		3/4		3/4	
9	2,349.46	9	1,990.61	9	1,631.76	9	1,272.91	9	914.07	9	555.22	9	196.37	9		9		9	
1/4	2,341.98	1/4	1,983.14	1/4	1,624.29	1/4	1,265.44	1/4	906.59	1/4	547.74	1/4	188.90	1/4		1/4		1/4	
1/2	2,334.50	1/2	1,975.66	1/2	1,616.81	1/2	1,257.96	1/2	899.11	1/2	540.26	1/2	181.60	1/2		1/2		1/2	
3/4	2,327.03	3/4	1,968.18	3/4	1,609.33	3/4	1,250.49	3/4	891.64	3/4	532.79	3/4	174.30	3/4		3/4		3/4	
10	2,319.55	10	1,960.71	10	1,601.86	10	1,243.01	10	884.16	10	525.31	10	167.01	10		10		10	
1/4	2,312.08	1/4	1,953.23	1/4	1,594.38	1/4	1,235.54	1/4	876.69	1/4	517.84	1/4	159.71	1/4		1/4		1/4	
1/2	2,304.60	1/2	1,945.75	1/2	1,586.90	1/2	1,228.06	1/2	869.21	1/2	510.36	1/2	152.47	1/2		1/2		1/2	
3/4	2,297.13	3/4	1,938.28	3/4	1,579.43	3/4	1,220.58	3/4	861.73	3/4	502.89	3/4	145.24	3/4		3/4		3/4	
11	2,289.65	11	1,930.80	11	1,571.95	11	1,213.11	11	854.26	11	495.41	11	138.00	11		11		11	
1/4	2,282.18	1/4	1,923.33	1/4	1,564.48	1/4	1,205.63	1/4	846.78	1/4	487.94	1/4	130.77	1/4		1/4		1/4	
1/2	2,274.70	1/2	1,915.85	1/2	1,557.00	1/2	1,198.15	1/2	839.30	1/2	480.46	1/2	123.53	1/2		1/2		1/2	
3/4	2,267.22	3/4	1,908.37	3/4	1,549.53	3/4	1,190.68	3/4	831.83	3/4	472.98	3/4	116.29	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/26/2009 INS
RECALCULATED: 08/20/2019 SW
REPRINTED: 08/20/2019 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 3066"

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	3,885.21	0	3,777.40	0	3,669.59	0	3,561.78	0	3,336.29	0	2,977.44
1/4		1/4		1/4		1/4		1/4	3,882.96	1/4	3,775.15	1/4	3,667.35	1/4	3,559.54	1/4	3,328.82	1/4	2,969.97
1/2		1/2		1/2		1/2		1/2	3,880.71	1/2	3,772.90	1/2	3,665.10	1/2	3,557.29	1/2	3,321.34	1/2	2,962.49
3/4		3/4		3/4		3/4		3/4	3,878.47	3/4	3,770.66	3/4	3,662.85	3/4	3,555.04	3/4	3,313.86	3/4	2,955.01
1		1		1		1	3,979.61	1	3,876.22	1	3,768.42	1	3,660.61	1	3,552.80	1	3,306.39	1	2,947.54
1/4		1/4		1/4		1/4	3,978.28	1/4	3,873.98	1/4	3,766.17	1/4	3,658.36	1/4	3,550.55	1/4	3,298.91	1/4	2,940.06
1/2		1/2		1/2		1/2	3,976.62	1/2	3,871.73	1/2	3,763.93	1/2	3,656.11	1/2	3,548.30	1/2	3,291.43	1/2	2,932.58
3/4		3/4		3/4		3/4	3,974.95	3/4	3,869.48	3/4	3,761.68	3/4	3,653.87	3/4	3,546.06	3/4	3,283.96	3/4	2,925.11
2		2		2		2	3,973.29	2	3,867.24	2	3,759.43	2	3,651.62	2	3,543.81	2	3,276.48	2	2,917.63
1/4		1/4		1/4		1/4	3,971.63	1/4	3,864.99	1/4	3,757.19	1/4	3,649.38	1/4	3,541.57	1/4	3,269.01	1/4	2,910.16
1/2		1/2		1/2		1/2	3,969.63	1/2	3,862.74	1/2	3,754.94	1/2	3,647.13	1/2	3,539.25	1/2	3,261.53	1/2	2,902.68
3/4		3/4		3/4		3/4	3,967.64	3/4	3,860.50	3/4	3,752.69	3/4	3,644.88	3/4	3,536.93	3/4	3,254.05	3/4	2,895.21
3		3		3		3	3,965.64	3	3,858.25	3	3,750.45	3	3,642.64	3	3,534.62	3	3,246.58	3	2,887.73
1/4		1/4		1/4		1/4	3,963.65	1/4	3,856.01	1/4	3,748.20	1/4	3,640.39	1/4	3,532.30	1/4	3,239.10	1/4	2,880.26
1/2		1/2		1/2		1/2	3,961.44	1/2	3,853.76	1/2	3,745.95	1/2	3,638.14	1/2	3,529.42	1/2	3,231.62	1/2	2,872.78
3/4		3/4		3/4		3/4	3,959.24	3/4	3,851.52	3/4	3,743.71	3/4	3,635.90	3/4	3,526.55	3/4	3,224.15	3/4	2,865.30
4		4		4		4	3,957.04	4	3,849.27	4	3,741.46	4	3,633.65	4	3,523.67	4	3,216.67	4	2,857.83
1/4		1/4		1/4		1/4	3,954.83	1/4	3,847.03	1/4	3,739.22	1/4	3,631.41	1/4	3,520.80	1/4	3,209.20	1/4	2,850.35
1/2		1/2		1/2		1/2	3,952.59	1/2	3,844.78	1/2	3,736.97	1/2	3,629.16	1/2	3,517.20	1/2	3,201.72	1/2	2,842.87
3/4		3/4		3/4		3/4	3,950.34	3/4	3,842.53	3/4	3,734.72	3/4	3,626.92	3/4	3,513.59	3/4	3,194.25	3/4	2,835.40
5		5		5		5	3,948.09	5	3,840.29	5	3,732.48	5	3,624.67	5	3,509.99	5	3,186.77	5	2,827.92
1/4		1/4		1/4		1/4	3,945.85	1/4	3,838.04	1/4	3,730.23	1/4	3,622.43	1/4	3,506.39	1/4	3,179.30	1/4	2,820.45
1/2		1/2		1/2		1/2	3,943.60	1/2	3,835.79	1/2	3,727.98	1/2	3,620.18	1/2	3,502.01	1/2	3,171.82	1/2	2,812.97
3/4		3/4		3/4		3/4	3,941.36	3/4	3,833.55	3/4	3,725.74	3/4	3,617.93	3/4	3,497.63	3/4	3,164.34	3/4	2,805.49
6		6		6		6	3,939.11	6	3,831.30	6	3,723.49	6	3,615.69	6	3,493.26	6	3,156.87	6	2,798.02
1/4		1/4		1/4		1/4	3,936.87	1/4	3,829.06	1/4	3,721.25	1/4	3,613.44	1/4	3,488.88	1/4	3,149.39	1/4	2,790.54
1/2		1/2		1/2		1/2	3,934.62	1/2	3,826.81	1/2	3,719.00	1/2	3,611.19	1/2	3,483.73	1/2	3,141.91	1/2	2,783.06
3/4		3/4		3/4		3/4	3,932.37	3/4	3,824.56	3/4	3,716.76	3/4	3,608.95	3/4	3,478.57	3/4	3,134.44	3/4	2,775.59
7		7		7		7	3,930.13	7	3,822.32	7	3,714.51	7	3,606.70	7	3,473.42	7	3,126.96	7	2,768.11
1/4		1/4		1/4		1/4	3,927.88	1/4	3,820.07	1/4	3,712.27	1/4	3,604.46	1/4	3,468.27	1/4	3,119.49	1/4	2,760.64
1/2		1/2		1/2		1/2	3,925.63	1/2	3,817.82	1/2	3,710.02	1/2	3,602.21	1/2	3,462.34	1/2	3,112.01	1/2	2,753.16
3/4		3/4		3/4		3/4	3,923.39	3/4	3,815.58	3/4	3,707.77	3/4	3,599.96	3/4	3,456.41	3/4	3,104.53	3/4	2,745.69
8		8		8		8	3,921.14	8	3,813.33	8	3,705.53	8	3,597.72	8	3,450.49	8	3,097.06	8	2,738.21
1/4		1/4		1/4		1/4	3,918.90	1/4	3,811.09	1/4	3,703.28	1/4	3,595.47	1/4	3,444.56	1/4	3,089.58	1/4	2,730.74
1/2		1/2		1/2		1/2	3,916.65	1/2	3,808.84	1/2	3,701.03	1/2	3,593.22	1/2	3,437.86	1/2	3,082.10	1/2	2,723.26
3/4		3/4		3/4		3/4	3,914.40	3/4	3,806.60	3/4	3,698.79	3/4	3,590.98	3/4	3,431.16	3/4	3,074.63	3/4	2,715.78
9		9		9		9	3,912.16	9	3,804.35	9	3,696.54	9	3,588.73	9	3,424.46	9	3,067.15	9	2,708.31
1/4		1/4		1/4		1/4	3,909.91	1/4	3,802.11	1/4	3,694.30	1/4	3,586.49	1/4	3,417.76	1/4	3,059.68	1/4	2,700.83
1/2		1/2		1/2		1/2	3,907.66	1/2	3,799.86	1/2	3,692.05	1/2	3,584.24	1/2	3,410.47	1/2	3,052.20	1/2	2,693.35
3/4		3/4		3/4		3/4	3,905.42	3/4	3,797.61	3/4	3,689.80	3/4	3,582.00	3/4	3,403.19	3/4	3,044.73	3/4	2,685.88
10		10		10		10	3,903.17	10	3,795.37	10	3,687.56	10	3,579.75	10	3,395.90	10	3,037.25	10	2,678.40
1/4		1/4		1/4		1/4	3,900.93	1/4	3,793.12	1/4	3,685.31	1/4	3,577.51	1/4	3,388.62	1/4	3,029.78	1/4	2,670.93
1/2		1/2		1/2		1/2	3,898.68	1/2	3,790.87	1/2	3,683.06	1/2	3,575.26	1/2	3,381.14	1/2	3,022.30	1/2	2,663.45
3/4		3/4		3/4		3/4	3,896.44	3/4	3,788.63	3/4	3,680.82	3/4	3,573.01	3/4	3,373.67	3/4	3,014.82	3/4	2,655.97
11		11		11		11	3,894.19	11	3,786.38	11	3,678.57	11	3,570.77	11	3,366.19	11	3,007.35	11	2,648.50
1/4		1/4		1/4		1/4	3,891.95	1/4	3,784.14	1/4	3,676.33	1/4	3,568.52	1/4	3,358.72	1/4	2,999.87	1/4	2,641.02
1/2		1/2		1/2		1/2	3,889.70	1/2	3,781.89	1/2	3,674.08	1/2	3,566.27	1/2	3,351.24	1/2	2,992.39	1/2	2,633.54
3/4		3/4		3/4		3/4	3,887.45	3/4	3,779.64	3/4	3,671.84	3/4	3,564.03	3/4	3,343.77	3/4	2,984.92	3/4	2,626.07

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 67'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "HTCO 3066"

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	2,618.59	0	2,259.75	0	1,900.90	0	1,542.05	0	1,183.20	0	824.35	0	465.51	0	109.06	0		0	
1/4	2,611.12	1/4	2,252.27	1/4	1,893.42	1/4	1,534.58	1/4	1,175.73	1/4	816.88	1/4	458.03	1/4	101.82	1/4		1/4	
1/2	2,603.64	1/2	2,244.79	1/2	1,885.94	1/2	1,527.10	1/2	1,168.25	1/2	809.40	1/2	450.55	1/2	94.58	1/2		1/2	
3/4	2,596.17	3/4	2,237.32	3/4	1,878.47	3/4	1,519.62	3/4	1,160.77	3/4	801.93	3/4	443.08	3/4	87.35	3/4		3/4	
1	2,588.69	1	2,229.84	1	1,870.99	1	1,512.15	1	1,153.30	1	794.45	1	435.60	1	80.11	1		1	
1/4	2,581.22	1/4	2,222.37	1/4	1,863.52	1/4	1,504.67	1/4	1,145.82	1/4	786.98	1/4	428.13	1/4	72.88	1/4		1/4	
1/2	2,573.74	1/2	2,214.89	1/2	1,856.04	1/2	1,497.19	1/2	1,138.34	1/2	779.50	1/2	420.65	1/2	65.78	1/2		1/2	
3/4	2,566.26	3/4	2,207.41	3/4	1,848.57	3/4	1,489.72	3/4	1,130.87	3/4	772.02	3/4	413.17	3/4	58.67	3/4		3/4	
2	2,558.79	2	2,199.94	2	1,841.09	2	1,482.24	2	1,123.39	2	764.55	2	405.70	2	51.57	2		2	
1/4	2,551.31	1/4	2,192.46	1/4	1,833.62	1/4	1,474.77	1/4	1,115.92	1/4	757.07	1/4	398.22	1/4	44.47	1/4		1/4	
1/2	2,543.83	1/2	2,184.98	1/2	1,826.14	1/2	1,467.29	1/2	1,108.44	1/2	749.59	1/2	390.74	1/2	38.97	1/2		1/2	
3/4	2,536.36	3/4	2,177.51	3/4	1,818.66	3/4	1,459.81	3/4	1,100.97	3/4	742.12	3/4	383.27	3/4	33.47	3/4		3/4	
3	2,528.88	3	2,170.03	3	1,811.19	3	1,452.34	3	1,093.49	3	734.64	3	375.79	3	27.97	3		3	
1/4	2,521.41	1/4	2,162.56	1/4	1,803.71	1/4	1,444.86	1/4	1,086.02	1/4	727.17	1/4	368.32	1/4	22.47	1/4		1/4	
1/2	2,513.93	1/2	2,155.08	1/2	1,796.23	1/2	1,437.38	1/2	1,078.54	1/2	719.69	1/2	360.84	1/2	18.79	1/2		1/2	
3/4	2,506.45	3/4	2,147.61	3/4	1,788.76	3/4	1,429.91	3/4	1,071.06	3/4	712.21	3/4	353.37	3/4		3/4		3/4	
4	2,498.98	4	2,140.13	4	1,781.28	4	1,422.43	4	1,063.59	4	704.74	4	345.89	4		4		4	
1/4	2,491.50	1/4	2,132.66	1/4	1,773.81	1/4	1,414.96	1/4	1,056.11	1/4	697.26	1/4	338.42	1/4		1/4		1/4	
1/2	2,484.02	1/2	2,125.18	1/2	1,766.33	1/2	1,407.48	1/2	1,048.63	1/2	689.78	1/2	330.94	1/2		1/2		1/2	
3/4	2,476.55	3/4	2,117.70	3/4	1,758.85	3/4	1,400.01	3/4	1,041.16	3/4	682.31	3/4	323.46	3/4		3/4		3/4	
5	2,469.07	5	2,110.23	5	1,751.38	5	1,392.53	5	1,033.68	5	674.83	5	315.99	5		5		5	
1/4	2,461.60	1/4	2,102.75	1/4	1,743.90	1/4	1,385.06	1/4	1,026.21	1/4	667.36	1/4	308.51	1/4		1/4		1/4	
1/2	2,454.12	1/2	2,095.27	1/2	1,736.42	1/2	1,377.58	1/2	1,018.73	1/2	659.88	1/2	301.03	1/2		1/2		1/2	
3/4	2,446.65	3/4	2,087.80	3/4	1,728.95	3/4	1,370.10	3/4	1,011.25	3/4	652.41	3/4	293.56	3/4		3/4		3/4	
6	2,439.17	6	2,080.32	6	1,721.47	6	1,362.63	6	1,003.78	6	644.93	6	286.08	6		6		6	
1/4	2,431.70	1/4	2,072.85	1/4	1,714.00	1/4	1,355.15	1/4	996.30	1/4	637.46	1/4	278.61	1/4		1/4		1/4	
1/2	2,424.22	1/2	2,065.37	1/2	1,706.52	1/2	1,347.67	1/2	988.82	1/2	629.98	1/2	271.13	1/2		1/2		1/2	
3/4	2,416.74	3/4	2,057.89	3/4	1,699.05	3/4	1,340.20	3/4	981.35	3/4	622.50	3/4	263.65	3/4		3/4		3/4	
7	2,409.27	7	2,050.42	7	1,691.57	7	1,332.72	7	973.87	7	615.03	7	256.18	7		7		7	
1/4	2,401.79	1/4	2,042.94	1/4	1,684.10	1/4	1,325.25	1/4	966.40	1/4	607.55	1/4	248.70	1/4		1/4		1/4	
1/2	2,394.31	1/2	2,035.46	1/2	1,676.62	1/2	1,317.77	1/2	958.92	1/2	600.07	1/2	241.22	1/2		1/2		1/2	
3/4	2,386.84	3/4	2,027.99	3/4	1,669.14	3/4	1,310.29	3/4	951.45	3/4	592.60	3/4	233.75	3/4		3/4		3/4	
8	2,379.36	8	2,020.51	8	1,661.67	8	1,302.82	8	943.97	8	585.12	8	226.27	8		8		8	
1/4	2,371.89	1/4	2,013.04	1/4	1,654.19	1/4	1,295.34	1/4	936.50	1/4	577.65	1/4	218.80	1/4		1/4		1/4	
1/2	2,364.41	1/2	2,005.56	1/2	1,646.71	1/2	1,287.86	1/2	929.02	1/2	570.17	1/2	211.32	1/2		1/2		1/2	
3/4	2,356.93	3/4	1,998.09	3/4	1,639.24	3/4	1,280.39	3/4	921.54	3/4	562.69	3/4	203.85	3/4		3/4		3/4	
9	2,349.46	9	1,990.61	9	1,631.76	9	1,272.91	9	914.07	9	555.22	9	196.37	9		9		9	
1/4	2,341.98	1/4	1,983.14	1/4	1,624.29	1/4	1,265.44	1/4	906.59	1/4	547.74	1/4	188.90	1/4		1/4		1/4	
1/2	2,334.50	1/2	1,975.66	1/2	1,616.81	1/2	1,257.96	1/2	899.11	1/2	540.26	1/2	181.60	1/2		1/2		1/2	
3/4	2,327.03	3/4	1,968.18	3/4	1,609.33	3/4	1,250.49	3/4	891.64	3/4	532.79	3/4	174.30	3/4		3/4		3/4	
10	2,319.55	10	1,960.71	10	1,601.86	10	1,243.01	10	884.16	10	525.31	10	167.01	10		10		10	
1/4	2,312.08	1/4	1,953.23	1/4	1,594.38	1/4	1,235.54	1/4	876.69	1/4	517.84	1/4	159.71	1/4		1/4		1/4	
1/2	2,304.60	1/2	1,945.75	1/2	1,586.90	1/2	1,228.06	1/2	869.21	1/2	510.36	1/2	152.47	1/2		1/2		1/2	
3/4	2,297.13	3/4	1,938.28	3/4	1,579.43	3/4	1,220.58	3/4	861.73	3/4	502.89	3/4	145.24	3/4		3/4		3/4	
11	2,289.65	11	1,930.80	11	1,571.95	11	1,213.11	11	854.26	11	495.41	11	138.00	11		11		11	
1/4	2,282.18	1/4	1,923.33	1/4	1,564.48	1/4	1,205.63	1/4	846.78	1/4	487.94	1/4	130.77	1/4		1/4		1/4	
1/2	2,274.70	1/2	1,915.85	1/2	1,557.00	1/2	1,198.15	1/2	839.30	1/2	480.46	1/2	123.53	1/2		1/2		1/2	
3/4	2,267.22	3/4	1,908.37	3/4	1,549.53	3/4	1,190.68	3/4	831.83	3/4	472.98	3/4	116.29	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/26/2009 INS
RECALCULATED: 08/20/2019 SW
REPRINTED: 08/20/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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