



BARGE "HTCO 3151"

ULLAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
3 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
3 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-09"

April 28, 2021

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

<http://www.pmacorp.net>



BARGE "HTCO 3151"

1 PORT

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	4,690.47	0	4,334.04	0	3,976.34	0	3,618.58	0	3,260.83	0	2,903.06
1/4		1/4		1/4		1/4		1/4	4,683.08	1/4	4,326.60	1/4	3,968.89	1/4	3,611.13	1/4	3,253.37	1/4	2,895.60
1/2		1/2		1/2		1/2		1/2	4,675.69	1/2	4,319.16	1/2	3,961.44	1/2	3,603.68	1/2	3,245.92	1/2	2,888.14
3/4		3/4		3/4		3/4		3/4	4,668.30	3/4	4,311.72	3/4	3,953.98	3/4	3,596.22	3/4	3,238.47	3/4	2,880.69
1	1	1		1		1	5,004.11	1	4,660.91	1	4,304.28	1	3,946.53	1	3,588.77	1	3,231.01	1	2,873.23
1/4		1/4		1/4		1/4		1/4	4,999.38	1/4	4,653.51	1/4	4,296.83	1/4	3,939.08	1/4	3,581.32	1/4	3,223.56
1/2		1/2		1/2		1/2		1/2	4,993.58	1/2	4,646.10	1/2	4,289.38	1/2	3,931.62	1/2	3,573.86	1/2	3,216.11
3/4		3/4		3/4		3/4		3/4	4,987.78	3/4	4,638.69	3/4	4,281.93	3/4	3,924.17	3/4	3,566.41	3/4	3,208.65
2	2	2		2		2	4,981.98	2	4,631.28	2	4,274.47	2	3,916.72	2	3,558.96	2	3,201.20	2	2,843.40
1/4		1/4		1/4		1/4		1/4	4,976.19	1/4	4,623.87	1/4	4,267.02	1/4	3,909.26	1/4	3,551.50	1/4	3,193.75
1/2		1/2		1/2		1/2		1/2	4,969.39	1/2	4,616.44	1/2	4,259.57	1/2	3,901.81	1/2	3,544.05	1/2	3,186.29
3/4		3/4		3/4		3/4		3/4	4,962.59	3/4	4,609.00	3/4	4,252.11	3/4	3,894.36	3/4	3,536.60	3/4	3,178.84
3	3	3		3		3	4,955.79	3	4,601.57	3	4,244.66	3	3,886.90	3	3,529.14	3	3,171.39	3	2,813.57
1/4		1/4		1/4		1/4		1/4	4,949.00	1/4	4,594.14	1/4	4,237.21	1/4	3,879.45	1/4	3,521.69	1/4	3,163.93
1/2		1/2		1/2		1/2		1/2	4,941.67	1/2	4,586.71	1/2	4,229.75	1/2	3,872.00	1/2	3,514.24	1/2	3,156.48
3/4		3/4		3/4		3/4		3/4	4,934.34	3/4	4,579.28	3/4	4,222.30	3/4	3,864.54	3/4	3,506.78	3/4	3,149.03
4	4	4		4		4	4,927.01	4	4,571.85	4	4,214.85	4	3,857.09	4	3,499.33	4	3,141.57	4	2,806.11
1/4		1/4		1/4		1/4		1/4	4,919.68	1/4	4,564.42	1/4	4,207.39	1/4	3,849.64	1/4	3,491.88	1/4	3,134.12
1/2		1/2		1/2		1/2		1/2	4,912.28	1/2	4,556.98	1/2	4,199.94	1/2	3,842.18	1/2	3,484.42	1/2	3,126.67
3/4		3/4		3/4		3/4		3/4	4,904.88	3/4	4,549.55	3/4	4,192.49	3/4	3,834.73	3/4	3,476.97	3/4	3,119.21
5	5	5		5		5	4,897.49	5	4,542.12	5	4,185.03	5	3,827.28	5	3,469.52	5	3,111.76	5	2,753.91
1/4		1/4		1/4		1/4		1/4	4,890.09	1/4	4,534.69	1/4	4,177.58	1/4	3,819.82	1/4	3,462.06	1/4	3,104.31
1/2		1/2		1/2		1/2		1/2	4,882.70	1/2	4,527.26	1/2	4,170.13	1/2	3,812.37	1/2	3,454.61	1/2	3,096.85
3/4		3/4		3/4		3/4		3/4	4,875.30	3/4	4,519.83	3/4	4,162.67	3/4	3,804.92	3/4	3,447.16	3/4	3,089.40
6	6	6		6		6	4,867.90	6	4,512.39	6	4,155.22	6	3,797.46	6	3,439.70	6	3,081.95	6	2,724.08
1/4		1/4		1/4		1/4		1/4	4,860.51	1/4	4,504.96	1/4	4,147.77	1/4	3,790.01	1/4	3,432.25	1/4	3,074.49
1/2		1/2		1/2		1/2		1/2	4,853.11	1/2	4,497.53	1/2	4,140.31	1/2	3,782.56	1/2	3,424.80	1/2	3,067.04
3/4		3/4		3/4		3/4		3/4	4,845.72	3/4	4,490.10	3/4	4,132.86	3/4	3,775.10	3/4	3,417.34	3/4	3,059.59
7	7	7		7		7	4,838.32	7	4,482.67	7	4,125.41	7	3,767.65	7	3,409.89	7	3,052.13	7	2,694.25
1/4		1/4		1/4		1/4		1/4	4,830.93	1/4	4,475.24	1/4	4,117.95	1/4	3,760.20	1/4	3,402.44	1/4	3,044.68
1/2		1/2		1/2		1/2		1/2	4,823.53	1/2	4,467.80	1/2	4,110.50	1/2	3,752.74	1/2	3,394.98	1/2	3,037.23
3/4		3/4		3/4		3/4		3/4	4,816.14	3/4	4,460.37	3/4	4,103.05	3/4	3,745.29	3/4	3,387.53	3/4	3,029.77
8	8	8		8		8	4,808.74	8	4,452.94	8	4,095.60	8	3,737.84	8	3,380.08	8	3,022.32	8	2,664.42
1/4		1/4		1/4		1/4		1/4	4,801.35	1/4	4,445.51	1/4	4,088.14	1/4	3,730.38	1/4	3,372.62	1/4	3,014.87
1/2		1/2		1/2		1/2		1/2	4,793.96	1/2	4,438.08	1/2	4,080.69	1/2	3,722.93	1/2	3,365.17	1/2	3,007.41
3/4		3/4		3/4		3/4		3/4	4,786.57	3/4	4,430.65	3/4	4,073.24	3/4	3,715.48	3/4	3,357.72	3/4	2,999.96
9	9	9		9		9	4,779.17	9	4,423.22	9	4,065.78	9	3,708.02	9	3,350.27	9	2,992.51	9	2,634.59
1/4		1/4		1/4		1/4		1/4	4,771.78	1/4	4,415.78	1/4	4,058.33	1/4	3,700.57	1/4	3,342.81	1/4	2,985.05
1/2		1/2		1/2		1/2		1/2	4,764.39	1/2	4,408.35	1/2	4,050.88	1/2	3,693.12	1/2	3,335.36	1/2	2,977.60
3/4		3/4		3/4		3/4		3/4	4,757.00	3/4	4,400.92	3/4	4,043.42	3/4	3,685.66	3/4	3,327.91	3/4	2,970.15
10	10	10		10		10	4,749.61	10	4,393.49	10	4,035.97	10	3,678.21	10	3,320.45	10	2,962.69	10	2,604.77
1/4		1/4		1/4		1/4		1/4	4,742.22	1/4	4,386.06	1/4	4,028.52	1/4	3,670.76	1/4	3,313.00	1/4	2,955.24
1/2		1/2		1/2		1/2		1/2	4,734.82	1/2	4,378.63	1/2	4,021.06	1/2	3,663.30	1/2	3,305.55	1/2	2,947.79
3/4		3/4		3/4		3/4		3/4	4,727.43	3/4	4,371.19	3/4	4,013.61	3/4	3,655.85	3/4	3,298.09	3/4	2,940.33
11	11	11		11		11	4,720.04	11	4,363.76	11	4,006.16	11	3,648.40	11	3,290.64	11	2,932.88	11	2,574.94
1/4		1/4		1/4		1/4		1/4	4,712.65	1/4	4,356.33	1/4	3,998.70	1/4	3,640.94	1/4	3,283.19	1/4	2,925.43
1/2		1/2		1/2		1/2		1/2	4,705.26	1/2	4,348.90	1/2	3,991.25	1/2	3,633.49	1/2	3,275.73	1/2	2,917.97
3/4		3/4		3/4		3/4		3/4	4,697.86	3/4	4,341.47	3/4	3,983.80	3/4	3,626.04	3/4	3,268.28	3/4	2,910.51

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'-08" OFF CENTERLINE AND 41'-07" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "HTCO 3151"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,545.11	0	2,187.16	0	1,829.21	0	1,471.26	0	1,113.35	0	757.54	0	404.22	0	89.42	0		0	
1/4	2,537.65	1/4	2,179.70	1/4	1,821.75	1/4	1,463.80	1/4	1,105.91	1/4	750.11	1/4	397.17	1/4	83.32	1/4		1/4	
1/2	2,530.19	1/2	2,172.24	1/2	1,814.29	1/2	1,456.34	1/2	1,098.48	1/2	742.66	1/2	390.21	1/2	77.29	1/2		1/2	
3/4	2,522.74	3/4	2,164.78	3/4	1,806.83	3/4	1,448.88	3/4	1,091.05	3/4	735.20	3/4	383.24	3/4	71.27	3/4		3/4	
1	2,515.28	1	2,157.33	1	1,799.38	1	1,441.43	1	1,083.62	1	727.74	1	376.27	1	65.25	1		1	
1/4	2,507.82	1/4	2,149.87	1/4	1,791.92	1/4	1,433.97	1/4	1,076.20	1/4	720.28	1/4	369.30	1/4	59.22	1/4		1/4	
1/2	2,500.36	1/2	2,142.41	1/2	1,784.46	1/2	1,426.51	1/2	1,068.78	1/2	712.83	1/2	362.41	1/2	53.74	1/2		1/2	
3/4	2,492.91	3/4	2,134.96	3/4	1,777.01	3/4	1,419.05	3/4	1,061.35	3/4	705.37	3/4	355.52	3/4	48.27	3/4		3/4	
2	2,485.45	2	2,127.50	2	1,769.55	2	1,411.60	2	1,053.93	2	697.91	2	348.62	2	42.79	2		2	
1/4	2,477.99	1/4	2,120.04	1/4	1,762.09	1/4	1,404.14	1/4	1,046.51	1/4	690.46	1/4	341.73	1/4	37.31	1/4		1/4	
1/2	2,470.53	1/2	2,112.58	1/2	1,754.63	1/2	1,396.68	1/2	1,039.10	1/2	683.00	1/2	334.91	1/2	33.32	1/2		1/2	
3/4	2,463.08	3/4	2,105.13	3/4	1,747.18	3/4	1,389.23	3/4	1,031.69	3/4	675.54	3/4	328.09	3/4	29.32	3/4		3/4	
3	2,455.62	3	2,097.67	3	1,739.72	3	1,381.77	3	1,024.27	3	668.08	3	321.27	3	25.32	3		3	
1/4	2,448.16	1/4	2,090.21	1/4	1,732.26	1/4	1,374.31	1/4	1,016.86	1/4	660.63	1/4	314.45	1/4	21.33	1/4		1/4	
1/2	2,440.70	1/2	2,082.75	1/2	1,724.80	1/2	1,366.85	1/2	1,009.45	1/2	653.17	1/2	307.71	1/2	18.42	1/2		1/2	
3/4	2,433.25	3/4	2,075.30	3/4	1,717.35	3/4	1,359.40	3/4	1,002.04	3/4	645.71	3/4	300.97	3/4		3/4		3/4	
4	2,425.79	4	2,067.84	4	1,709.89	4	1,351.94	4	994.63	4	638.26	4	294.24	4		4		4	
1/4	2,418.33	1/4	2,060.38	1/4	1,702.43	1/4	1,344.48	1/4	987.22	1/4	630.80	1/4	287.50	1/4		1/4		1/4	
1/2	2,410.88	1/2	2,052.93	1/2	1,694.97	1/2	1,337.02	1/2	979.81	1/2	623.34	1/2	280.84	1/2		1/2		1/2	
3/4	2,403.42	3/4	2,045.47	3/4	1,687.52	3/4	1,329.57	3/4	972.41	3/4	615.89	3/4	274.18	3/4		3/4		3/4	
5	2,395.96	5	2,038.01	5	1,680.06	5	1,322.11	5	965.00	5	608.43	5	267.52	5		5		5	
1/4	2,388.50	1/4	2,030.55	1/4	1,672.60	1/4	1,314.65	1/4	957.59	1/4	600.97	1/4	260.86	1/4		1/4		1/4	
1/2	2,381.05	1/2	2,023.10	1/2	1,665.15	1/2	1,307.20	1/2	950.19	1/2	593.51	1/2	254.28	1/2		1/2		1/2	
3/4	2,373.59	3/4	2,015.64	3/4	1,657.69	3/4	1,299.74	3/4	942.78	3/4	586.06	3/4	247.71	3/4		3/4		3/4	
6	2,366.13	6	2,008.18	6	1,650.23	6	1,292.28	6	935.37	6	578.60	6	241.13	6		6		6	
1/4	2,358.67	1/4	2,000.72	1/4	1,642.77	1/4	1,284.82	1/4	927.97	1/4	571.14	1/4	234.55	1/4		1/4		1/4	
1/2	2,351.22	1/2	1,993.27	1/2	1,635.32	1/2	1,277.37	1/2	920.56	1/2	563.71	1/2	228.06	1/2		1/2		1/2	
3/4	2,343.76	3/4	1,985.81	3/4	1,627.86	3/4	1,269.91	3/4	913.15	3/4	556.27	3/4	221.56	3/4		3/4		3/4	
7	2,336.30	7	1,978.35	7	1,620.40	7	1,262.45	7	905.75	7	548.84	7	215.06	7		7		7	
1/4	2,328.85	1/4	1,970.89	1/4	1,612.94	1/4	1,254.99	1/4	898.34	1/4	541.40	1/4	208.57	1/4		1/4		1/4	
1/2	2,321.39	1/2	1,963.44	1/2	1,605.49	1/2	1,247.54	1/2	890.94	1/2	534.03	1/2	202.15	1/2		1/2		1/2	
3/4	2,313.93	3/4	1,955.98	3/4	1,598.03	3/4	1,240.08	3/4	883.53	3/4	526.66	3/4	195.74	3/4		3/4		3/4	
8	2,306.47	8	1,948.52	8	1,590.57	8	1,232.62	8	876.12	8	519.28	8	189.32	8		8		8	
1/4	2,299.02	1/4	1,941.07	1/4	1,583.12	1/4	1,225.16	1/4	868.72	1/4	511.91	1/4	182.91	1/4		1/4		1/4	
1/2	2,291.56	1/2	1,933.61	1/2	1,575.66	1/2	1,217.71	1/2	861.31	1/2	504.62	1/2	176.57	1/2		1/2		1/2	
3/4	2,284.10	3/4	1,926.15	3/4	1,568.20	3/4	1,210.25	3/4	853.90	3/4	497.33	3/4	170.23	3/4		3/4		3/4	
9	2,276.64	9	1,918.69	9	1,560.74	9	1,202.79	9	846.50	9	490.03	9	163.89	9		9		9	
1/4	2,269.19	1/4	1,911.24	1/4	1,553.29	1/4	1,195.34	1/4	839.09	1/4	482.74	1/4	157.55	1/4		1/4		1/4	
1/2	2,261.73	1/2	1,903.78	1/2	1,545.83	1/2	1,187.88	1/2	831.68	1/2	475.53	1/2	151.28	1/2		1/2		1/2	
3/4	2,254.27	3/4	1,896.32	3/4	1,538.37	3/4	1,180.42	3/4	824.28	3/4	468.32	3/4	145.02	3/4		3/4		3/4	
10	2,246.82	10	1,888.86	10	1,530.91	10	1,172.96	10	816.87	10	461.11	10	138.75	10		10		10	
1/4	2,239.36	1/4	1,881.41	1/4	1,523.46	1/4	1,165.51	1/4	809.47	1/4	453.89	1/4	132.49	1/4		1/4		1/4	
1/2	2,231.90	1/2	1,873.95	1/2	1,516.00	1/2	1,158.05	1/2	802.06	1/2	446.76	1/2	126.30	1/2		1/2		1/2	
3/4	2,224.44	3/4	1,866.49	3/4	1,508.54	3/4	1,150.59	3/4	794.65	3/4	439.63	3/4	120.11	3/4		3/4		3/4	
11	2,216.99	11	1,859.04	11	1,501.09	11	1,143.13	11	787.25	11	432.50	11	113.93	11		11		11	
1/4	2,209.53	1/4	1,851.58	1/4	1,493.63	1/4	1,135.68	1/4	779.84	1/4	425.37	1/4	107.74	1/4		1/4		1/4	
1/2	2,202.07	1/2	1,844.12	1/2	1,486.17	1/2	1,128.23	1/2	772.41	1/2	418.32	1/2	101.64	1/2		1/2		1/2	
3/4	2,194.61	3/4	1,836.66	3/4	1,478.71	3/4	1,120.79	3/4	764.98	3/4	411.27	3/4	95.53	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/28/2016 CL
RECALCULATED: 04/28/2021 CL
REPRINTED: 04/28/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

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





BARGE "HTCO 3151"

1 STBD
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	4,701.25	0	4,344.73	0	3,986.93	0	3,629.05	0	3,271.16	0	2,913.29
1/4		1/4		1/4		1/4		1/4	4,693.86	1/4	4,337.29	1/4	3,979.47	1/4	3,621.59	1/4	3,263.71	1/4	2,905.83
1/2		1/2		1/2		1/2		1/2	4,686.46	1/2	4,329.86	1/2	3,972.02	1/2	3,614.14	1/2	3,256.25	1/2	2,898.38
3/4		3/4		3/4		3/4		3/4	4,679.07	3/4	4,322.41	3/4	3,964.56	3/4	3,606.68	3/4	3,248.80	3/4	2,890.92
1		1		1		1		1	4,671.67	1	4,314.97	1	3,957.11	1	3,599.22	1	3,241.34	1	2,883.46
1/4		1/4		1/4		1/4	5,007.59	1/4	4,664.28	1/4	4,307.52	1/4	3,949.65	1/4	3,591.77	1/4	3,233.88	1/4	2,876.00
1/2		1/2		1/2		1/2	5,002.86	1/2	4,656.88	1/2	4,300.08	1/2	3,942.20	1/2	3,584.31	1/2	3,226.43	1/2	2,868.54
3/4		3/4		3/4		3/4	4,997.06	3/4	4,649.47	3/4	4,292.62	3/4	3,934.74	3/4	3,576.86	3/4	3,218.97	3/4	2,861.08
2		2		2		2	4,991.26	2	4,642.06	2	4,285.17	2	3,927.28	2	3,569.40	2	3,211.52	2	2,853.62
1/4		1/4		1/4		1/4	4,985.46	1/4	4,634.64	1/4	4,277.71	1/4	3,919.83	1/4	3,561.94	1/4	3,204.06	1/4	2,846.16
1/2		1/2		1/2		1/2	4,979.66	1/2	4,627.23	1/2	4,270.26	1/2	3,912.37	1/2	3,554.49	1/2	3,196.61	1/2	2,838.70
3/4		3/4		3/4		3/4	4,972.86	3/4	4,619.79	3/4	4,262.80	3/4	3,904.92	3/4	3,547.03	3/4	3,189.15	3/4	2,831.24
3		3		3		3	4,966.06	3	4,612.36	3	4,255.34	3	3,897.46	3	3,539.58	3	3,181.69	3	2,823.78
1/4		1/4		1/4		1/4	4,959.26	1/4	4,604.92	1/4	4,247.89	1/4	3,890.00	1/4	3,532.12	1/4	3,174.24	1/4	2,816.32
1/2		1/2		1/2		1/2	4,952.47	1/2	4,597.49	1/2	4,240.43	1/2	3,882.55	1/2	3,524.67	1/2	3,166.78	1/2	2,808.86
3/4		3/4		3/4		3/4	4,945.13	3/4	4,590.06	3/4	4,232.98	3/4	3,875.09	3/4	3,517.21	3/4	3,159.33	3/4	2,801.40
4		4		4		4	4,937.80	4	4,582.62	4	4,225.52	4	3,867.64	4	3,509.75	4	3,151.87	4	2,793.94
1/4		1/4		1/4		1/4	4,930.47	1/4	4,575.19	1/4	4,218.06	1/4	3,860.18	1/4	3,502.30	1/4	3,144.41	1/4	2,786.48
1/2		1/2		1/2		1/2	4,923.14	1/2	4,567.75	1/2	4,210.61	1/2	3,852.72	1/2	3,494.84	1/2	3,136.96	1/2	2,779.02
3/4		3/4		3/4		3/4	4,915.74	3/4	4,560.32	3/4	4,203.15	3/4	3,845.27	3/4	3,487.39	3/4	3,129.50	3/4	2,771.56
5		5		5		5	4,908.34	5	4,552.89	5	4,195.70	5	3,837.81	5	3,479.93	5	3,122.05	5	2,764.10
1/4		1/4		1/4		1/4	4,900.95	1/4	4,545.45	1/4	4,188.24	1/4	3,830.36	1/4	3,472.47	1/4	3,114.59	1/4	2,756.64
1/2		1/2		1/2		1/2	4,893.55	1/2	4,538.02	1/2	4,180.78	1/2	3,822.90	1/2	3,465.02	1/2	3,107.13	1/2	2,749.18
3/4		3/4		3/4		3/4	4,886.15	3/4	4,530.58	3/4	4,173.33	3/4	3,815.45	3/4	3,457.56	3/4	3,099.68	3/4	2,741.72
6		6		6		6	4,878.75	6	4,523.15	6	4,165.87	6	3,807.99	6	3,450.11	6	3,092.22	6	2,734.26
1/4		1/4		1/4		1/4	4,871.35	1/4	4,515.71	1/4	4,158.42	1/4	3,800.53	1/4	3,442.65	1/4	3,084.77	1/4	2,726.80
1/2		1/2		1/2		1/2	4,863.95	1/2	4,508.28	1/2	4,150.96	1/2	3,793.08	1/2	3,435.19	1/2	3,077.31	1/2	2,719.34
3/4		3/4		3/4		3/4	4,856.56	3/4	4,500.85	3/4	4,143.50	3/4	3,785.62	3/4	3,427.74	3/4	3,069.86	3/4	2,711.88
7		7		7		7	4,849.16	7	4,493.41	7	4,136.05	7	3,778.17	7	3,420.28	7	3,062.40	7	2,704.42
1/4		1/4		1/4		1/4	4,841.76	1/4	4,485.98	1/4	4,128.59	1/4	3,770.71	1/4	3,412.83	1/4	3,054.94	1/4	2,696.96
1/2		1/2		1/2		1/2	4,834.36	1/2	4,478.54	1/2	4,121.14	1/2	3,763.25	1/2	3,405.37	1/2	3,047.49	1/2	2,689.50
3/4		3/4		3/4		3/4	4,826.96	3/4	4,471.11	3/4	4,113.68	3/4	3,755.80	3/4	3,397.91	3/4	3,040.03	3/4	2,682.04
8		8		8		8	4,819.57	8	4,463.67	8	4,106.23	8	3,748.34	8	3,390.46	8	3,032.58	8	2,674.58
1/4		1/4		1/4		1/4	4,812.17	1/4	4,456.24	1/4	4,098.77	1/4	3,740.89	1/4	3,383.00	1/4	3,025.12	1/4	2,667.12
1/2		1/2		1/2		1/2	4,804.77	1/2	4,448.81	1/2	4,091.31	1/2	3,733.43	1/2	3,375.55	1/2	3,017.66	1/2	2,659.66
3/4		3/4		3/4		3/4	4,797.38	3/4	4,441.37	3/4	4,083.86	3/4	3,725.97	3/4	3,368.09	3/4	3,010.21	3/4	2,652.20
9		9		9		9	4,789.99	9	4,433.94	9	4,076.40	9	3,718.52	9	3,360.64	9	3,002.75	9	2,644.74
1/4		1/4		1/4		1/4	4,782.59	1/4	4,426.50	1/4	4,068.95	1/4	3,711.06	1/4	3,353.18	1/4	2,995.30	1/4	2,637.28
1/2		1/2		1/2		1/2	4,775.20	1/2	4,419.07	1/2	4,061.49	1/2	3,703.61	1/2	3,345.72	1/2	2,987.84	1/2	2,629.82
3/4		3/4		3/4		3/4	4,767.80	3/4	4,411.64	3/4	4,054.03	3/4	3,696.15	3/4	3,338.27	3/4	2,980.38	3/4	2,622.36
10		10		10		10	4,760.41	10	4,404.20	10	4,046.58	10	3,688.69	10	3,330.81	10	2,972.93	10	2,614.90
1/4		1/4		1/4		1/4	4,753.01	1/4	4,396.77	1/4	4,039.12	1/4	3,681.24	1/4	3,323.36	1/4	2,965.47	1/4	2,607.44
1/2		1/2		1/2		1/2	4,745.62	1/2	4,389.33	1/2	4,031.67	1/2	3,673.78	1/2	3,315.90	1/2	2,958.02	1/2	2,599.98
3/4		3/4		3/4		3/4	4,738.22	3/4	4,381.90	3/4	4,024.21	3/4	3,666.33	3/4	3,308.44	3/4	2,950.56	3/4	2,592.52
11		11		11		11	4,730.83	11	4,374.46	11	4,016.75	11	3,658.87	11	3,300.99	11	2,943.10	11	2,585.06
1/4		1/4		1/4		1/4	4,723.44	1/4	4,367.03	1/4	4,009.30	1/4	3,651.42	1/4	3,293.53	1/4	2,935.65	1/4	2,577.60
1/2		1/2		1/2		1/2	4,716.04	1/2	4,359.60	1/2	4,001.84	1/2	3,643.96	1/2	3,286.08	1/2	2,928.19	1/2	2,570.14
3/4		3/4		3/4		3/4	4,708.65	3/4	4,352.16	3/4	3,994.39	3/4	3,636.50	3/4	3,278.62	3/4	2,920.74	3/4	2,562.68

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'-08" OFF CENTERLINE AND 41'-07" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3151"

1 STBD

ULLAGE TABLE
HERMETIC

GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,555.22	0	2,197.14	0	1,839.06	0	1,480.98	0	1,122.90	0	765.31	0	411.50	0	95.59	0		0	
1/4	2,547.76	1/4	2,189.68	1/4	1,831.60	1/4	1,473.52	1/4	1,115.44	1/4	757.85	1/4	404.44	1/4	89.48	1/4		1/4	
1/2	2,540.30	1/2	2,182.22	1/2	1,824.14	1/2	1,466.06	1/2	1,107.98	1/2	750.40	1/2	397.39	1/2	83.37	1/2		1/2	
3/4	2,532.84	3/4	2,174.76	3/4	1,816.68	3/4	1,458.60	3/4	1,100.52	3/4	742.94	3/4	390.42	3/4	77.34	3/4		3/4	
1	2,525.38	1	2,167.30	1	1,809.22	1	1,451.14	1	1,093.06	1	735.48	1	383.45	1	71.32	1		1	
1/4	2,517.92	1/4	2,159.84	1/4	1,801.76	1/4	1,443.68	1/4	1,085.60	1/4	728.02	1/4	376.48	1/4	65.29	1/4		1/4	
1/2	2,510.46	1/2	2,152.38	1/2	1,794.30	1/2	1,436.22	1/2	1,078.14	1/2	720.56	1/2	369.51	1/2	59.26	1/2		1/2	
3/4	2,503.00	3/4	2,144.92	3/4	1,786.84	3/4	1,428.76	3/4	1,070.68	3/4	713.10	3/4	362.61	3/4	53.78	3/4		3/4	
2	2,495.54	2	2,137.46	2	1,779.38	2	1,421.30	2	1,063.23	2	705.64	2	355.72	2	48.30	2		2	
1/4	2,488.08	1/4	2,130.00	1/4	1,771.92	1/4	1,413.84	1/4	1,055.77	1/4	698.18	1/4	348.82	1/4	42.82	1/4		1/4	
1/2	2,480.62	1/2	2,122.54	1/2	1,764.46	1/2	1,406.38	1/2	1,048.31	1/2	690.72	1/2	341.92	1/2	37.34	1/2		1/2	
3/4	2,473.16	3/4	2,115.08	3/4	1,757.00	3/4	1,398.92	3/4	1,040.86	3/4	683.26	3/4	335.10	3/4	33.34	3/4		3/4	
3	2,465.70	3	2,107.62	3	1,749.54	3	1,391.46	3	1,033.41	3	675.80	3	328.28	3	29.34	3		3	
1/4	2,458.24	1/4	2,100.16	1/4	1,742.08	1/4	1,384.00	1/4	1,025.95	1/4	668.34	1/4	321.46	1/4	25.34	1/4		1/4	
1/2	2,450.78	1/2	2,092.70	1/2	1,734.62	1/2	1,376.54	1/2	1,018.50	1/2	660.88	1/2	314.63	1/2	21.34	1/2		1/2	
3/4	2,443.32	3/4	2,085.24	3/4	1,727.16	3/4	1,369.08	3/4	1,011.05	3/4	653.42	3/4	307.89	3/4	18.43	3/4		3/4	
4	2,435.86	4	2,077.78	4	1,719.70	4	1,361.62	4	1,003.60	4	645.96	4	301.15	4		4		4	
1/4	2,428.40	1/4	2,070.32	1/4	1,712.24	1/4	1,354.16	1/4	996.15	1/4	638.50	1/4	294.40	1/4		1/4		1/4	
1/2	2,420.94	1/2	2,062.86	1/2	1,704.78	1/2	1,346.70	1/2	988.70	1/2	631.04	1/2	287.66	1/2		1/2		1/2	
3/4	2,413.48	3/4	2,055.40	3/4	1,697.32	3/4	1,339.24	3/4	981.26	3/4	623.58	3/4	281.00	3/4		3/4		3/4	
5	2,406.02	5	2,047.94	5	1,689.86	5	1,331.78	5	973.81	5	616.13	5	274.34	5		5		5	
1/4	2,398.56	1/4	2,040.48	1/4	1,682.40	1/4	1,324.32	1/4	966.36	1/4	608.67	1/4	267.68	1/4		1/4		1/4	
1/2	2,391.10	1/2	2,033.02	1/2	1,674.94	1/2	1,316.86	1/2	958.92	1/2	601.21	1/2	261.01	1/2		1/2		1/2	
3/4	2,383.64	3/4	2,025.56	3/4	1,667.48	3/4	1,309.40	3/4	951.47	3/4	593.75	3/4	254.43	3/4		3/4		3/4	
6	2,376.18	6	2,018.10	6	1,660.02	6	1,301.94	6	944.03	6	586.29	6	247.85	6		6		6	
1/4	2,368.72	1/4	2,010.64	1/4	1,652.56	1/4	1,294.48	1/4	936.58	1/4	578.83	1/4	241.27	1/4		1/4		1/4	
1/2	2,361.26	1/2	2,003.18	1/2	1,645.10	1/2	1,287.02	1/2	929.13	1/2	571.37	1/2	234.69	1/2		1/2		1/2	
3/4	2,353.80	3/4	1,995.72	3/4	1,637.64	3/4	1,279.56	3/4	921.69	3/4	563.93	3/4	228.19	3/4		3/4		3/4	
7	2,346.34	7	1,988.26	7	1,630.18	7	1,272.10	7	914.24	7	556.50	7	221.69	7		7		7	
1/4	2,338.88	1/4	1,980.80	1/4	1,622.72	1/4	1,264.64	1/4	906.79	1/4	549.07	1/4	215.19	1/4		1/4		1/4	
1/2	2,331.42	1/2	1,973.34	1/2	1,615.26	1/2	1,257.18	1/2	899.35	1/2	541.63	1/2	208.69	1/2		1/2		1/2	
3/4	2,323.96	3/4	1,965.88	3/4	1,607.80	3/4	1,249.72	3/4	891.90	3/4	534.26	3/4	202.28	3/4		3/4		3/4	
8	2,316.50	8	1,958.42	8	1,600.34	8	1,242.26	8	884.46	8	526.90	8	195.86	8		8		8	
1/4	2,309.04	1/4	1,950.96	1/4	1,592.88	1/4	1,234.80	1/4	877.01	1/4	519.53	1/4	189.44	1/4		1/4		1/4	
1/2	2,301.58	1/2	1,943.50	1/2	1,585.42	1/2	1,227.34	1/2	869.56	1/2	512.16	1/2	183.02	1/2		1/2		1/2	
3/4	2,294.12	3/4	1,936.04	3/4	1,577.96	3/4	1,219.88	3/4	862.12	3/4	504.87	3/4	176.68	3/4		3/4		3/4	
9	2,286.66	9	1,928.58	9	1,570.50	9	1,212.42	9	854.67	9	497.58	9	170.33	9		9		9	
1/4	2,279.20	1/4	1,921.12	1/4	1,563.04	1/4	1,204.96	1/4	847.23	1/4	490.29	1/4	163.99	1/4		1/4		1/4	
1/2	2,271.74	1/2	1,913.66	1/2	1,555.58	1/2	1,197.50	1/2	839.78	1/2	482.99	1/2	157.65	1/2		1/2		1/2	
3/4	2,264.28	3/4	1,906.20	3/4	1,548.12	3/4	1,190.04	3/4	832.33	3/4	475.78	3/4	151.38	3/4		3/4		3/4	
10	2,256.82	10	1,898.74	10	1,540.66	10	1,182.58	10	824.89	10	468.56	10	145.11	10		10		10	
1/4	2,249.36	1/4	1,891.28	1/4	1,533.20	1/4	1,175.12	1/4	817.44	1/4	461.35	1/4	138.84	1/4		1/4		1/4	
1/2	2,241.90	1/2	1,883.82	1/2	1,525.74	1/2	1,167.66	1/2	810.00	1/2	454.13	1/2	132.57	1/2		1/2		1/2	
3/4	2,234.44	3/4	1,876.36	3/4	1,518.28	3/4	1,160.20	3/4	802.55	3/4	447.00	3/4	126.38	3/4		3/4		3/4	
11	2,226.98	11	1,868.90	11	1,510.82	11	1,152.74	11	795.10	11	439.87	11	120.19	11		11		11	
1/4	2,219.52	1/4	1,861.44	1/4	1,503.36	1/4	1,145.28	1/4	787.66	1/4	432.73	1/4	114.00	1/4		1/4		1/4	
1/2	2,212.06	1/2	1,853.98	1/2	1,495.90	1/2	1,137.82	1/2	780.21	1/2	425.60	1/2	107.81	1/2		1/2		1/2	
3/4	2,204.60	3/4	1,846.52	3/4	1,488.44	3/4	1,130.36	3/4	772.76	3/4	418.55	3/4	101.70	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/28/2016 CL
RECALCULATED: 04/28/2021 CL
REPRINTED: 04/28/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

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



BARGE "HTCO 3151"

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	4,762.78	0	4,405.29	0	4,046.55	0	3,687.75	0	3,328.95	0	2,970.15
1/4		1/4		1/4		1/4		1/4	4,755.37	1/4	4,397.84	1/4	4,039.07	1/4	3,680.27	1/4	3,321.47	1/4	2,962.67
1/2		1/2		1/2		1/2		1/2	4,747.95	1/2	4,390.37	1/2	4,031.60	1/2	3,672.80	1/2	3,314.00	1/2	2,955.19
3/4		3/4		3/4		3/4		3/4	4,740.54	3/4	4,382.91	3/4	4,024.12	3/4	3,665.32	3/4	3,306.52	3/4	2,947.71
1		1		1		1	5,077.35	1	4,733.12	1	4,375.44	1	4,016.65	1	3,657.85	1	3,299.05	1	2,940.23
1/4		1/4		1/4		1/4	5,072.60	1/4	4,725.71	1/4	4,367.97	1/4	4,009.17	1/4	3,650.37	1/4	3,291.57	1/4	2,932.76
1/2		1/2		1/2		1/2	5,066.78	1/2	4,718.28	1/2	4,360.50	1/2	4,001.70	1/2	3,642.90	1/2	3,284.10	1/2	2,925.28
3/4		3/4		3/4		3/4	5,060.97	3/4	4,710.84	3/4	4,353.02	3/4	3,994.22	3/4	3,635.42	3/4	3,276.62	3/4	2,917.80
2		2		2		2	5,055.15	2	4,703.41	2	4,345.55	2	3,986.75	2	3,627.95	2	3,269.15	2	2,910.32
1/4		1/4		1/4		1/4	5,049.34	1/4	4,695.98	1/4	4,338.07	1/4	3,979.27	1/4	3,620.47	1/4	3,261.67	1/4	2,902.84
1/2		1/2		1/2		1/2	5,042.52	1/2	4,688.52	1/2	4,330.60	1/2	3,971.80	1/2	3,613.00	1/2	3,254.20	1/2	2,895.36
3/4		3/4		3/4		3/4	5,035.70	3/4	4,681.07	3/4	4,323.12	3/4	3,964.32	3/4	3,605.52	3/4	3,246.72	3/4	2,887.88
3		3		3		3	5,028.89	3	4,673.62	3	4,315.65	3	3,956.85	3	3,598.05	3	3,239.25	3	2,880.40
1/4		1/4		1/4		1/4	5,022.07	1/4	4,666.16	1/4	4,308.17	1/4	3,949.37	1/4	3,590.57	1/4	3,231.77	1/4	2,872.92
1/2		1/2		1/2		1/2	5,014.72	1/2	4,658.71	1/2	4,300.70	1/2	3,941.90	1/2	3,583.10	1/2	3,224.30	1/2	2,865.44
3/4		3/4		3/4		3/4	5,007.36	3/4	4,651.26	3/4	4,293.22	3/4	3,934.42	3/4	3,575.62	3/4	3,216.82	3/4	2,857.96
4		4		4		4	5,000.01	4	4,643.80	4	4,285.75	4	3,926.95	4	3,568.15	4	3,209.35	4	2,850.49
1/4		1/4		1/4		1/4	4,992.66	1/4	4,636.35	1/4	4,278.27	1/4	3,919.47	1/4	3,560.67	1/4	3,201.87	1/4	2,843.01
1/2		1/2		1/2		1/2	4,985.24	1/2	4,628.90	1/2	4,270.80	1/2	3,912.00	1/2	3,553.20	1/2	3,194.40	1/2	2,835.53
3/4		3/4		3/4		3/4	4,977.83	3/4	4,621.44	3/4	4,263.32	3/4	3,904.52	3/4	3,545.72	3/4	3,186.92	3/4	2,828.05
5		5		5		5	4,970.41	5	4,613.99	5	4,255.85	5	3,897.05	5	3,538.25	5	3,179.45	5	2,820.57
1/4		1/4		1/4		1/4	4,962.99	1/4	4,606.54	1/4	4,248.37	1/4	3,889.57	1/4	3,530.77	1/4	3,171.97	1/4	2,813.09
1/2		1/2		1/2		1/2	4,955.57	1/2	4,599.08	1/2	4,240.90	1/2	3,882.10	1/2	3,523.30	1/2	3,164.50	1/2	2,805.61
3/4		3/4		3/4		3/4	4,948.15	3/4	4,591.63	3/4	4,233.42	3/4	3,874.62	3/4	3,515.82	3/4	3,157.02	3/4	2,798.13
6		6		6		6	4,940.74	6	4,584.18	6	4,225.95	6	3,867.15	6	3,508.35	6	3,149.55	6	2,790.65
1/4		1/4		1/4		1/4	4,933.32	1/4	4,576.72	1/4	4,218.47	1/4	3,859.67	1/4	3,500.87	1/4	3,142.07	1/4	2,783.17
1/2		1/2		1/2		1/2	4,925.90	1/2	4,569.27	1/2	4,211.00	1/2	3,852.20	1/2	3,493.40	1/2	3,134.60	1/2	2,775.69
3/4		3/4		3/4		3/4	4,918.48	3/4	4,561.82	3/4	4,203.52	3/4	3,844.72	3/4	3,485.92	3/4	3,127.12	3/4	2,768.21
7		7		7		7	4,911.07	7	4,554.36	7	4,196.05	7	3,837.25	7	3,478.45	7	3,119.65	7	2,760.74
1/4		1/4		1/4		1/4	4,903.65	1/4	4,546.91	1/4	4,188.57	1/4	3,829.77	1/4	3,470.97	1/4	3,112.17	1/4	2,753.26
1/2		1/2		1/2		1/2	4,896.23	1/2	4,539.46	1/2	4,181.10	1/2	3,822.30	1/2	3,463.50	1/2	3,104.70	1/2	2,745.78
3/4		3/4		3/4		3/4	4,888.82	3/4	4,532.00	3/4	4,173.62	3/4	3,814.82	3/4	3,456.02	3/4	3,097.22	3/4	2,738.30
8		8		8		8	4,881.40	8	4,524.55	8	4,166.15	8	3,807.35	8	3,448.55	8	3,089.75	8	2,730.82
1/4		1/4		1/4		1/4	4,873.99	1/4	4,517.10	1/4	4,158.67	1/4	3,799.87	1/4	3,441.07	1/4	3,082.27	1/4	2,723.34
1/2		1/2		1/2		1/2	4,866.57	1/2	4,509.64	1/2	4,151.20	1/2	3,792.40	1/2	3,433.60	1/2	3,074.80	1/2	2,715.86
3/4		3/4		3/4		3/4	4,859.16	3/4	4,502.19	3/4	4,143.72	3/4	3,784.92	3/4	3,426.12	3/4	3,067.32	3/4	2,708.38
9		9		9		9	4,851.74	9	4,494.74	9	4,136.25	9	3,777.45	9	3,418.65	9	3,059.85	9	2,700.90
1/4		1/4		1/4		1/4	4,844.33	1/4	4,487.28	1/4	4,128.77	1/4	3,769.97	1/4	3,411.17	1/4	3,052.37	1/4	2,693.42
1/2		1/2		1/2		1/2	4,836.92	1/2	4,479.83	1/2	4,121.30	1/2	3,762.50	1/2	3,403.70	1/2	3,044.90	1/2	2,685.94
3/4		3/4		3/4		3/4	4,829.50	3/4	4,472.38	3/4	4,113.82	3/4	3,755.02	3/4	3,396.22	3/4	3,037.42	3/4	2,678.47
10		10		10		10	4,822.09	10	4,464.92	10	4,106.35	10	3,747.55	10	3,388.75	10	3,029.95	10	2,670.99
1/4		1/4		1/4		1/4	4,814.68	1/4	4,457.47	1/4	4,098.87	1/4	3,740.07	1/4	3,381.27	1/4	3,022.47	1/4	2,663.51
1/2		1/2		1/2		1/2	4,807.26	1/2	4,450.02	1/2	4,091.40	1/2	3,732.60	1/2	3,373.80	1/2	3,015.00	1/2	2,656.03
3/4		3/4		3/4		3/4	4,799.85	3/4	4,442.56	3/4	4,083.92	3/4	3,725.12	3/4	3,366.32	3/4	3,007.52	3/4	2,648.55
11		11		11		11	4,792.43	11	4,435.11	11	4,076.45	11	3,717.65	11	3,358.85	11	3,000.05	11	2,641.07
1/4		1/4		1/4		1/4	4,785.02	1/4	4,427.66	1/4	4,068.97	1/4	3,710.17	1/4	3,351.37	1/4	2,992.57	1/4	2,633.59
1/2		1/2		1/2		1/2	4,777.61	1/2	4,420.20	1/2	4,061.50	1/2	3,702.70	1/2	3,343.90	1/2	2,985.10	1/2	2,626.11
3/4		3/4		3/4		3/4	4,770.19	3/4	4,412.75	3/4	4,054.02	3/4	3,695.22	3/4	3,336.42	3/4	2,977.62	3/4	2,618.63

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'-08" OFF CENTERLINE AND 41'-04" 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 3151"

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	2,611.15	0	2,252.16	0	1,893.16	0	1,534.16	0	1,175.59	0	830.37	0	471.53	0	112.55	0		0	
1/4	2,603.67	1/4	2,244.68	1/4	1,885.68	1/4	1,526.68	1/4	1,168.25	1/4	823.04	1/4	464.06	1/4	105.07	1/4		1/4	
1/2	2,596.20	1/2	2,237.20	1/2	1,878.20	1/2	1,519.21	1/2	1,161.06	1/2	815.56	1/2	456.58	1/2	97.59	1/2		1/2	
3/4	2,588.72	3/4	2,229.72	3/4	1,870.72	3/4	1,511.73	3/4	1,153.86	3/4	808.09	3/4	449.10	3/4	90.11	3/4		3/4	
1	2,581.24	1	2,222.24	1	1,863.24	1	1,504.25	1	1,146.66	1	800.61	1	441.62	1	82.63	1		1	
1/4	2,573.76	1/4	2,214.76	1/4	1,855.76	1/4	1,496.77	1/4	1,139.47	1/4	793.13	1/4	434.14	1/4	75.15	1/4		1/4	
1/2	2,566.28	1/2	2,207.28	1/2	1,848.29	1/2	1,489.29	1/2	1,132.28	1/2	785.65	1/2	426.66	1/2	68.14	1/2		1/2	
3/4	2,558.80	3/4	2,199.80	3/4	1,840.81	3/4	1,481.81	3/4	1,125.09	3/4	778.17	3/4	419.18	3/4	61.13	3/4		3/4	
2	2,551.32	2	2,192.32	2	1,833.33	2	1,474.33	2	1,117.90	2	770.69	2	411.70	2	54.12	2		2	
1/4	2,543.84	1/4	2,184.85	1/4	1,825.85	1/4	1,466.85	1/4	1,110.71	1/4	763.21	1/4	404.22	1/4	47.11	1/4		1/4	
1/2	2,536.36	1/2	2,177.37	1/2	1,818.37	1/2	1,459.37	1/2	1,103.52	1/2	755.73	1/2	396.75	1/2	41.50	1/2		1/2	
3/4	2,528.88	3/4	2,169.89	3/4	1,810.89	3/4	1,451.89	3/4	1,096.34	3/4	748.25	3/4	389.27	3/4	35.89	3/4		3/4	
3	2,521.40	3	2,162.41	3	1,803.41	3	1,444.41	3	1,089.16	3	740.78	3	381.79	3	30.28	3		3	
1/4	2,513.93	1/4	2,154.93	1/4	1,795.93	1/4	1,436.94	1/4	1,081.98	1/4	733.30	1/4	374.31	1/4	24.67	1/4		1/4	
1/2	2,506.45	1/2	2,147.45	1/2	1,788.45	1/2	1,429.46	1/2	1,074.80	1/2	725.82	1/2	366.83	1/2	20.93	1/2		1/2	
3/4	2,498.97	3/4	2,139.97	3/4	1,780.97	3/4	1,421.98	3/4	1,067.62	3/4	718.34	3/4	359.35	3/4		3/4		3/4	
4	2,491.49	4	2,132.49	4	1,773.49	4	1,414.50	4	1,060.44	4	710.86	4	351.87	4		4		4	
1/4	2,484.01	1/4	2,125.01	1/4	1,766.02	1/4	1,407.02	1/4	1,053.26	1/4	703.38	1/4	344.39	1/4		1/4		1/4	
1/2	2,476.53	1/2	2,117.53	1/2	1,758.54	1/2	1,399.54	1/2	1,046.09	1/2	695.90	1/2	336.91	1/2		1/2		1/2	
3/4	2,469.05	3/4	2,110.05	3/4	1,751.06	3/4	1,392.06	3/4	1,038.91	3/4	688.42	3/4	329.44	3/4		3/4		3/4	
5	2,461.57	5	2,102.58	5	1,743.58	5	1,384.58	5	1,031.73	5	680.94	5	321.96	5		5		5	
1/4	2,454.09	1/4	2,095.10	1/4	1,736.10	1/4	1,377.10	1/4	1,024.56	1/4	673.47	1/4	314.48	1/4		1/4		1/4	
1/2	2,446.61	1/2	2,087.62	1/2	1,728.62	1/2	1,369.62	1/2	1,017.38	1/2	665.99	1/2	307.00	1/2		1/2		1/2	
3/4	2,439.13	3/4	2,080.14	3/4	1,721.14	3/4	1,362.14	3/4	1,010.21	3/4	658.51	3/4	299.52	3/4		3/4		3/4	
6	2,431.66	6	2,072.66	6	1,713.66	6	1,354.67	6	1,003.03	6	651.03	6	292.04	6		6		6	
1/4	2,424.18	1/4	2,065.18	1/4	1,706.18	1/4	1,347.19	1/4	995.86	1/4	643.55	1/4	284.56	1/4		1/4		1/4	
1/2	2,416.70	1/2	2,057.70	1/2	1,698.70	1/2	1,339.71	1/2	988.68	1/2	636.07	1/2	277.08	1/2		1/2		1/2	
3/4	2,409.22	3/4	2,050.22	3/4	1,691.22	3/4	1,332.23	3/4	981.51	3/4	628.59	3/4	269.60	3/4		3/4		3/4	
7	2,401.74	7	2,042.74	7	1,683.75	7	1,324.75	7	974.33	7	621.11	7	262.13	7		7		7	
1/4	2,394.26	1/4	2,035.26	1/4	1,676.27	1/4	1,317.27	1/4	967.15	1/4	613.63	1/4	254.65	1/4		1/4		1/4	
1/2	2,386.78	1/2	2,027.78	1/2	1,668.79	1/2	1,309.79	1/2	959.98	1/2	606.16	1/2	247.17	1/2		1/2		1/2	
3/4	2,379.30	3/4	2,020.30	3/4	1,661.31	3/4	1,302.31	3/4	952.80	3/4	598.68	3/4	239.69	3/4		3/4		3/4	
8	2,371.82	8	2,012.83	8	1,653.83	8	1,294.83	8	945.63	8	591.20	8	232.21	8		8		8	
1/4	2,364.34	1/4	2,005.35	1/4	1,646.35	1/4	1,287.35	1/4	938.45	1/4	583.72	1/4	224.73	1/4		1/4		1/4	
1/2	2,356.86	1/2	1,997.87	1/2	1,638.87	1/2	1,279.87	1/2	931.28	1/2	576.24	1/2	217.25	1/2		1/2		1/2	
3/4	2,349.39	3/4	1,990.39	3/4	1,631.39	3/4	1,272.39	3/4	924.10	3/4	568.76	3/4	209.77	3/4		3/4		3/4	
9	2,341.91	9	1,982.91	9	1,623.91	9	1,264.92	9	916.93	9	561.28	9	202.29	9		9		9	
1/4	2,334.43	1/4	1,975.43	1/4	1,616.43	1/4	1,257.44	1/4	909.75	1/4	553.80	1/4	194.82	1/4		1/4		1/4	
1/2	2,326.95	1/2	1,967.95	1/2	1,608.95	1/2	1,249.96	1/2	902.58	1/2	546.32	1/2	187.34	1/2		1/2		1/2	
3/4	2,319.47	3/4	1,960.47	3/4	1,601.48	3/4	1,242.48	3/4	895.40	3/4	538.84	3/4	179.86	3/4		3/4		3/4	
10	2,311.99	10	1,952.99	10	1,594.00	10	1,235.00	10	888.22	10	531.37	10	172.38	10		10		10	
1/4	2,304.51	1/4	1,945.51	1/4	1,586.52	1/4	1,227.52	1/4	881.05	1/4	523.89	1/4	164.90	1/4		1/4		1/4	
1/2	2,297.03	1/2	1,938.03	1/2	1,579.04	1/2	1,220.04	1/2	873.87	1/2	516.41	1/2	157.42	1/2		1/2		1/2	
3/4	2,289.55	3/4	1,930.56	3/4	1,571.56	3/4	1,212.56	3/4	866.70	3/4	508.93	3/4	149.94	3/4		3/4		3/4	
11	2,282.07	11	1,923.08	11	1,564.08	11	1,205.08	11	859.52	11	501.45	11	142.46	11		11		11	
1/4	2,274.59	1/4	1,915.60	1/4	1,556.60	1/4	1,197.60	1/4	852.35	1/4	493.97	1/4	134.98	1/4		1/4		1/4	
1/2	2,267.12	1/2	1,908.12	1/2	1,549.12	1/2	1,190.27	1/2	845.02	1/2	486.49	1/2	127.51	1/2		1/2		1/2	
3/4	2,259.64	3/4	1,900.64	3/4	1,541.64	3/4	1,182.93	3/4	837.69	3/4	479.01	3/4	120.03	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/28/2016 CL
RECALCULATED: 04/28/2021 CL
REPRINTED: 04/28/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
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BARGE "HTCO 3151"

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	4,775.51	0	4,418.12	0	4,059.47	0	3,700.75	0	3,342.04	0	2,983.32
1/4		1/4		1/4		1/4		1/4	4,768.10	1/4	4,410.67	1/4	4,052.00	1/4	3,693.28	1/4	3,334.56	1/4	2,975.84
1/2		1/2		1/2		1/2		1/2	4,760.69	1/2	4,403.21	1/2	4,044.53	1/2	3,685.81	1/2	3,327.09	1/2	2,968.37
3/4		3/4		3/4		3/4		3/4	4,753.28	3/4	4,395.74	3/4	4,037.05	3/4	3,678.33	3/4	3,319.62	3/4	2,960.89
1		1		1		1	5,089.99	1	4,745.87	1	4,388.28	1	4,029.58	1	3,670.86	1	3,312.14	1	2,953.41
1/4		1/4		1/4		1/4	5,085.25	1/4	4,738.45	1/4	4,380.82	1/4	4,022.11	1/4	3,663.39	1/4	3,304.67	1/4	2,945.93
1/2		1/2		1/2		1/2	5,079.43	1/2	4,731.02	1/2	4,373.35	1/2	4,014.63	1/2	3,655.91	1/2	3,297.20	1/2	2,938.46
3/4		3/4		3/4		3/4	5,073.62	3/4	4,723.59	3/4	4,365.88	3/4	4,007.16	3/4	3,648.44	3/4	3,289.72	3/4	2,930.98
2		2		2		2	5,067.81	2	4,716.16	2	4,358.40	2	3,999.69	2	3,640.97	2	3,282.25	2	2,923.50
1/4		1/4		1/4		1/4	5,061.99	1/4	4,708.73	1/4	4,350.93	1/4	3,992.21	1/4	3,633.49	1/4	3,274.78	1/4	2,916.02
1/2		1/2		1/2		1/2	5,055.18	1/2	4,701.28	1/2	4,343.46	1/2	3,984.74	1/2	3,626.02	1/2	3,267.30	1/2	2,908.55
3/4		3/4		3/4		3/4	5,048.36	3/4	4,693.83	3/4	4,335.98	3/4	3,977.27	3/4	3,618.55	3/4	3,259.83	3/4	2,901.07
3		3		3		3	5,041.55	3	4,686.37	3	4,328.51	3	3,969.79	3	3,611.07	3	3,252.36	3	2,893.59
1/4		1/4		1/4		1/4	5,034.73	1/4	4,678.92	1/4	4,321.04	1/4	3,962.32	1/4	3,603.60	1/4	3,244.88	1/4	2,886.11
1/2		1/2		1/2		1/2	5,027.38	1/2	4,671.47	1/2	4,313.56	1/2	3,954.85	1/2	3,596.13	1/2	3,237.41	1/2	2,878.64
3/4		3/4		3/4		3/4	5,020.03	3/4	4,664.02	3/4	4,306.09	3/4	3,947.37	3/4	3,588.65	3/4	3,229.94	3/4	2,871.16
4		4		4		4	5,012.68	4	4,656.57	4	4,298.62	4	3,939.90	4	3,581.18	4	3,222.46	4	2,863.68
1/4		1/4		1/4		1/4	5,005.34	1/4	4,649.12	1/4	4,291.15	1/4	3,932.43	1/4	3,573.71	1/4	3,214.99	1/4	2,856.21
1/2		1/2		1/2		1/2	4,997.92	1/2	4,641.67	1/2	4,283.67	1/2	3,924.95	1/2	3,566.23	1/2	3,207.52	1/2	2,848.73
3/4		3/4		3/4		3/4	4,990.50	3/4	4,634.21	3/4	4,276.20	3/4	3,917.48	3/4	3,558.76	3/4	3,200.04	3/4	2,841.25
5		5		5		5	4,983.09	5	4,626.76	5	4,268.73	5	3,910.01	5	3,551.29	5	3,192.57	5	2,833.77
1/4		1/4		1/4		1/4	4,975.67	1/4	4,619.31	1/4	4,261.25	1/4	3,902.53	1/4	3,543.82	1/4	3,185.10	1/4	2,826.30
1/2		1/2		1/2		1/2	4,968.26	1/2	4,611.86	1/2	4,253.78	1/2	3,895.06	1/2	3,536.34	1/2	3,177.62	1/2	2,818.82
3/4		3/4		3/4		3/4	4,960.84	3/4	4,604.41	3/4	4,246.31	3/4	3,887.59	3/4	3,528.87	3/4	3,170.15	3/4	2,811.34
6		6		6		6	4,953.42	6	4,596.96	6	4,238.83	6	3,880.11	6	3,521.40	6	3,162.68	6	2,803.86
1/4		1/4		1/4		1/4	4,946.01	1/4	4,589.50	1/4	4,231.36	1/4	3,872.64	1/4	3,513.92	1/4	3,155.20	1/4	2,796.39
1/2		1/2		1/2		1/2	4,938.59	1/2	4,582.05	1/2	4,223.89	1/2	3,865.17	1/2	3,506.45	1/2	3,147.73	1/2	2,788.91
3/4		3/4		3/4		3/4	4,931.18	3/4	4,574.60	3/4	4,216.41	3/4	3,857.69	3/4	3,498.98	3/4	3,140.26	3/4	2,781.43
7		7		7		7	4,923.76	7	4,567.15	7	4,208.94	7	3,850.22	7	3,491.50	7	3,132.78	7	2,773.96
1/4		1/4		1/4		1/4	4,916.35	1/4	4,559.70	1/4	4,201.47	1/4	3,842.75	1/4	3,484.03	1/4	3,125.31	1/4	2,766.48
1/2		1/2		1/2		1/2	4,908.93	1/2	4,552.25	1/2	4,193.99	1/2	3,835.27	1/2	3,476.56	1/2	3,117.84	1/2	2,759.00
3/4		3/4		3/4		3/4	4,901.52	3/4	4,544.79	3/4	4,186.52	3/4	3,827.80	3/4	3,469.08	3/4	3,110.36	3/4	2,751.52
8		8		8		8	4,894.10	8	4,537.34	8	4,179.05	8	3,820.33	8	3,461.61	8	3,102.89	8	2,744.05
1/4		1/4		1/4		1/4	4,886.69	1/4	4,529.89	1/4	4,171.57	1/4	3,812.85	1/4	3,454.14	1/4	3,095.42	1/4	2,736.57
1/2		1/2		1/2		1/2	4,879.28	1/2	4,522.44	1/2	4,164.10	1/2	3,805.38	1/2	3,446.66	1/2	3,087.94	1/2	2,729.09
3/4		3/4		3/4		3/4	4,871.87	3/4	4,514.99	3/4	4,156.63	3/4	3,797.91	3/4	3,439.19	3/4	3,080.47	3/4	2,721.61
9		9		9		9	4,864.45	9	4,507.54	9	4,149.15	9	3,790.43	9	3,431.72	9	3,073.00	9	2,714.14
1/4		1/4		1/4		1/4	4,857.04	1/4	4,500.08	1/4	4,141.68	1/4	3,782.96	1/4	3,424.24	1/4	3,065.52	1/4	2,706.66
1/2		1/2		1/2		1/2	4,849.63	1/2	4,492.63	1/2	4,134.21	1/2	3,775.49	1/2	3,416.77	1/2	3,058.05	1/2	2,699.18
3/4		3/4		3/4		3/4	4,842.22	3/4	4,485.18	3/4	4,126.73	3/4	3,768.01	3/4	3,409.30	3/4	3,050.58	3/4	2,691.71
10		10		10		10	4,834.81	10	4,477.73	10	4,119.26	10	3,760.54	10	3,401.82	10	3,043.10	10	2,684.23
1/4		1/4		1/4		1/4	4,827.40	1/4	4,470.28	1/4	4,111.79	1/4	3,753.07	1/4	3,394.35	1/4	3,035.63	1/4	2,676.75
1/2		1/2		1/2		1/2	4,819.98	1/2	4,462.83	1/2	4,104.31	1/2	3,745.59	1/2	3,386.88	1/2	3,028.16	1/2	2,669.27
3/4		3/4		3/4		3/4	4,812.57	3/4	4,455.38	3/4	4,096.84	3/4	3,738.12	3/4	3,379.40	3/4	3,020.68	3/4	2,661.80
11		11		11		11	4,805.16	11	4,447.92	11	4,089.37	11	3,730.65	11	3,371.93	11	3,013.21	11	2,654.32
1/4		1/4		1/4		1/4	4,797.75	1/4	4,440.47	1/4	4,081.89	1/4	3,723.17	1/4	3,364.46	1/4	3,005.74	1/4	2,646.84
1/2		1/2		1/2		1/2	4,790.34	1/2	4,433.02	1/2	4,074.42	1/2	3,715.70	1/2	3,356.98	1/2	2,998.26	1/2	2,639.36
3/4		3/4		3/4		3/4	4,782.92	3/4	4,425.57	3/4	4,066.95	3/4	3,708.23	3/4	3,349.51	3/4	2,990.79	3/4	2,631.89

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'-08" OFF CENTERLINE AND 41'-04" 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 3151"

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	2,624.41	0	2,265.50	0	1,906.59	0	1,547.68	0	1,188.77	0	830.32	0	471.42	0	112.52	0		0	
1/4	2,616.93	1/4	2,258.02	1/4	1,899.11	1/4	1,540.20	1/4	1,181.29	1/4	822.85	1/4	463.94	1/4	105.04	1/4		1/4	
1/2	2,609.45	1/2	2,250.54	1/2	1,891.63	1/2	1,532.72	1/2	1,173.81	1/2	815.37	1/2	456.47	1/2	97.57	1/2		1/2	
3/4	2,601.98	3/4	2,243.07	3/4	1,884.16	3/4	1,525.25	3/4	1,166.34	3/4	807.89	3/4	448.99	3/4	90.09	3/4		3/4	
1	2,594.50	1	2,235.59	1	1,876.68	1	1,517.77	1	1,158.86	1	800.41	1	441.51	1	82.61	1		1	
1/4	2,587.02	1/4	2,228.11	1/4	1,869.20	1/4	1,510.29	1/4	1,151.38	1/4	792.94	1/4	434.04	1/4	75.14	1/4		1/4	
1/2	2,579.55	1/2	2,220.64	1/2	1,861.72	1/2	1,502.81	1/2	1,143.91	1/2	785.46	1/2	426.56	1/2	68.13	1/2		1/2	
3/4	2,572.07	3/4	2,213.16	3/4	1,854.25	3/4	1,495.34	3/4	1,136.43	3/4	777.98	3/4	419.08	3/4	61.12	3/4		3/4	
2	2,564.59	2	2,205.68	2	1,846.77	2	1,487.86	2	1,128.96	2	770.51	2	411.61	2	54.11	2		2	
1/4	2,557.11	1/4	2,198.20	1/4	1,839.29	1/4	1,480.38	1/4	1,121.48	1/4	763.03	1/4	404.13	1/4	47.10	1/4		1/4	
1/2	2,549.64	1/2	2,190.73	1/2	1,831.82	1/2	1,472.91	1/2	1,114.01	1/2	755.55	1/2	396.65	1/2	41.49	1/2		1/2	
3/4	2,542.16	3/4	2,183.25	3/4	1,824.34	3/4	1,465.43	3/4	1,106.54	3/4	748.07	3/4	389.17	3/4	35.88	3/4		3/4	
3	2,534.68	3	2,175.77	3	1,816.86	3	1,457.95	3	1,099.07	3	740.60	3	381.70	3	30.27	3		3	
1/4	2,527.20	1/4	2,168.29	1/4	1,809.38	1/4	1,450.47	1/4	1,091.60	1/4	733.12	1/4	374.22	1/4	24.67	1/4		1/4	
1/2	2,519.73	1/2	2,160.82	1/2	1,801.91	1/2	1,443.00	1/2	1,084.13	1/2	725.64	1/2	366.74	1/2	20.93	1/2		1/2	
3/4	2,512.25	3/4	2,153.34	3/4	1,794.43	3/4	1,435.52	3/4	1,076.66	3/4	718.17	3/4	359.27	3/4		3/4		3/4	
4	2,504.77	4	2,145.86	4	1,786.95	4	1,428.04	4	1,069.19	4	710.69	4	351.79	4		4		4	
1/4	2,497.30	1/4	2,138.38	1/4	1,779.47	1/4	1,420.56	1/4	1,061.72	1/4	703.21	1/4	344.31	1/4		1/4		1/4	
1/2	2,489.82	1/2	2,130.91	1/2	1,772.00	1/2	1,413.09	1/2	1,054.26	1/2	695.74	1/2	336.83	1/2		1/2		1/2	
3/4	2,482.34	3/4	2,123.43	3/4	1,764.52	3/4	1,405.61	3/4	1,046.80	3/4	688.26	3/4	329.36	3/4		3/4		3/4	
5	2,474.86	5	2,115.95	5	1,757.04	5	1,398.13	5	1,039.33	5	680.78	5	321.88	5		5		5	
1/4	2,467.39	1/4	2,108.48	1/4	1,749.57	1/4	1,390.65	1/4	1,031.87	1/4	673.30	1/4	314.40	1/4		1/4		1/4	
1/2	2,459.91	1/2	2,101.00	1/2	1,742.09	1/2	1,383.18	1/2	1,024.40	1/2	665.83	1/2	306.93	1/2		1/2		1/2	
3/4	2,452.43	3/4	2,093.52	3/4	1,734.61	3/4	1,375.70	3/4	1,016.94	3/4	658.35	3/4	299.45	3/4		3/4		3/4	
6	2,444.95	6	2,086.04	6	1,727.13	6	1,368.22	6	1,009.47	6	650.87	6	291.97	6		6		6	
1/4	2,437.48	1/4	2,078.57	1/4	1,719.66	1/4	1,360.75	1/4	1,002.01	1/4	643.40	1/4	284.49	1/4		1/4		1/4	
1/2	2,430.00	1/2	2,071.09	1/2	1,712.18	1/2	1,353.27	1/2	994.55	1/2	635.92	1/2	277.02	1/2		1/2		1/2	
3/4	2,422.52	3/4	2,063.61	3/4	1,704.70	3/4	1,345.79	3/4	987.08	3/4	628.44	3/4	269.54	3/4		3/4		3/4	
7	2,415.05	7	2,056.13	7	1,697.22	7	1,338.31	7	979.62	7	620.96	7	262.06	7		7		7	
1/4	2,407.57	1/4	2,048.66	1/4	1,689.75	1/4	1,330.84	1/4	972.15	1/4	613.49	1/4	254.59	1/4		1/4		1/4	
1/2	2,400.09	1/2	2,041.18	1/2	1,682.27	1/2	1,323.36	1/2	964.69	1/2	606.01	1/2	247.11	1/2		1/2		1/2	
3/4	2,392.61	3/4	2,033.70	3/4	1,674.79	3/4	1,315.88	3/4	957.22	3/4	598.53	3/4	239.63	3/4		3/4		3/4	
8	2,385.14	8	2,026.23	8	1,667.32	8	1,308.40	8	949.76	8	591.06	8	232.15	8		8		8	
1/4	2,377.66	1/4	2,018.75	1/4	1,659.84	1/4	1,300.93	1/4	942.29	1/4	583.58	1/4	224.68	1/4		1/4		1/4	
1/2	2,370.18	1/2	2,011.27	1/2	1,652.36	1/2	1,293.45	1/2	934.83	1/2	576.10	1/2	217.20	1/2		1/2		1/2	
3/4	2,362.70	3/4	2,003.79	3/4	1,644.88	3/4	1,285.97	3/4	927.37	3/4	568.62	3/4	209.72	3/4		3/4		3/4	
9	2,355.23	9	1,996.32	9	1,637.41	9	1,278.50	9	919.90	9	561.15	9	202.25	9		9		9	
1/4	2,347.75	1/4	1,988.84	1/4	1,629.93	1/4	1,271.02	1/4	912.44	1/4	553.67	1/4	194.77	1/4		1/4		1/4	
1/2	2,340.27	1/2	1,981.36	1/2	1,622.45	1/2	1,263.54	1/2	904.97	1/2	546.19	1/2	187.29	1/2		1/2		1/2	
3/4	2,332.79	3/4	1,973.88	3/4	1,614.97	3/4	1,256.06	3/4	897.51	3/4	538.72	3/4	179.82	3/4		3/4		3/4	
10	2,325.32	10	1,966.41	10	1,607.50	10	1,248.59	10	890.04	10	531.24	10	172.34	10		10		10	
1/4	2,317.84	1/4	1,958.93	1/4	1,600.02	1/4	1,241.11	1/4	882.58	1/4	523.76	1/4	164.86	1/4		1/4		1/4	
1/2	2,310.36	1/2	1,951.45	1/2	1,592.54	1/2	1,233.63	1/2	875.12	1/2	516.28	1/2	157.38	1/2		1/2		1/2	
3/4	2,302.89	3/4	1,943.98	3/4	1,585.06	3/4	1,226.15	3/4	867.65	3/4	508.81	3/4	149.91	3/4		3/4		3/4	
11	2,295.41	11	1,936.50	11	1,577.59	11	1,218.68	11	860.19	11	501.33	11	142.43	11		11		11	
1/4	2,287.93	1/4	1,929.02	1/4	1,570.11	1/4	1,211.20	1/4	852.72	1/4	493.85	1/4	134.95	1/4		1/4		1/4	
1/2	2,280.45	1/2	1,921.54	1/2	1,562.63	1/2	1,203.72	1/2	845.25	1/2	486.38	1/2	127.48	1/2		1/2		1/2	
3/4	2,272.98	3/4	1,914.07	3/4	1,555.16	3/4	1,196.25	3/4	837.78	3/4	478.90	3/4	120.00	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/28/2016 CL
RECALCULATED: 04/28/2021 CL
REPRINTED: 04/28/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

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



BARGE "HTCO 3151"

3 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 1/4"

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	4,368.29	0	4,122.11	0	3,875.11	0	3,628.07	0	3,299.69	0	2,943.55
1/4		1/4		1/4		1/4		1/4	4,363.18	1/4	4,116.97	1/4	3,869.96	1/4	3,622.93	1/4	3,292.29	1/4	2,936.13
1/2		1/2		1/2		1/2		1/2	4,358.08	1/2	4,111.83	1/2	3,864.81	1/2	3,617.78	1/2	3,284.89	1/2	2,928.70
3/4		3/4		3/4		3/4		3/4	4,586.36	3/4	4,352.97	3/4	4,106.69	3/4	3,859.67	3/4	3,612.63	3/4	3,277.49
1		1		1		1		1	4,583.92	1	4,347.87	1	4,101.55	1	3,854.52	1	3,607.49	1	3,270.91
1/4		1/4		1/4		1/4		1/4	4,580.41	1/4	4,342.75	1/4	4,096.41	1/4	3,849.37	1/4	3,602.34	1/4	3,262.67
1/2		1/2		1/2		1/2		1/2	4,576.89	1/2	4,337.63	1/2	4,091.26	1/2	3,844.23	1/2	3,597.19	1/2	3,255.26
3/4		3/4		3/4		3/4		3/4	4,573.38	3/4	4,332.51	3/4	4,086.11	3/4	3,839.08	3/4	3,592.05	3/4	3,247.85
2		2		2		2		2	4,569.87	2	4,327.39	2	4,080.97	2	3,833.93	2	3,586.90	2	3,240.44
1/4		1/4		1/4		1/4		1/4	4,565.36	1/4	4,322.26	1/4	4,075.82	1/4	3,828.79	1/4	3,581.18	1/4	3,233.02
1/2		1/2		1/2		1/2		1/2	4,560.85	1/2	4,317.13	1/2	4,070.67	1/2	3,823.64	1/2	3,575.46	1/2	3,225.59
3/4		3/4		3/4		3/4		3/4	4,556.35	3/4	4,311.99	3/4	4,065.53	3/4	3,818.49	3/4	3,569.74	3/4	3,218.17
3		3		3		3		3	4,551.84	3	4,306.86	3	4,060.38	3	3,813.35	3	3,564.02	3	3,210.75
1/4		1/4		1/4		1/4		1/4	4,546.80	1/4	4,301.73	1/4	4,055.23	1/4	3,808.20	1/4	3,557.17	1/4	3,203.33
1/2		1/2		1/2		1/2		1/2	4,541.75	1/2	4,296.60	1/2	4,050.09	1/2	3,803.05	1/2	3,550.31	1/2	3,195.91
3/4		3/4		3/4		3/4		3/4	4,536.71	3/4	4,291.47	3/4	4,044.94	3/4	3,797.91	3/4	3,543.46	3/4	3,188.48
4		4		4		4		4	4,531.67	4	4,286.33	4	4,039.79	4	3,792.76	4	3,536.60	4	3,181.06
1/4		1/4		1/4		1/4		1/4	4,526.57	1/4	4,281.20	1/4	4,034.65	1/4	3,787.62	1/4	3,529.19	1/4	3,173.64
1/2		1/2		1/2		1/2		1/2	4,521.46	1/2	4,276.07	1/2	4,029.50	1/2	3,782.47	1/2	3,521.78	1/2	3,166.22
3/4		3/4		3/4		3/4		3/4	4,516.35	3/4	4,270.94	3/4	4,024.35	3/4	3,777.32	3/4	3,514.37	3/4	3,158.80
5		5		5		5		5	4,511.24	5	4,265.81	5	4,019.21	5	3,772.18	5	3,506.95	5	3,151.37
1/4		1/4		1/4		1/4		1/4	4,506.14	1/4	4,260.67	1/4	4,014.06	1/4	3,767.03	1/4	3,499.55	1/4	3,143.95
1/2		1/2		1/2		1/2		1/2	4,501.03	1/2	4,255.54	1/2	4,008.91	1/2	3,761.88	1/2	3,492.14	1/2	3,136.53
3/4		3/4		3/4		3/4		3/4	4,495.92	3/4	4,250.41	3/4	4,003.77	3/4	3,756.74	3/4	3,484.73	3/4	3,129.11
6		6		6		6		6	4,490.81	6	4,245.28	6	3,998.62	6	3,751.59	6	3,477.32	6	3,121.69
1/4		1/4		1/4		1/4		1/4	4,485.71	1/4	4,240.15	1/4	3,993.48	1/4	3,746.44	1/4	3,469.92	1/4	3,114.26
1/2		1/2		1/2		1/2		1/2	4,480.60	1/2	4,235.01	1/2	3,988.33	1/2	3,741.30	1/2	3,462.52	1/2	3,106.84
3/4		3/4		3/4		3/4		3/4	4,475.49	3/4	4,229.88	3/4	3,983.18	3/4	3,736.15	3/4	3,455.12	3/4	3,099.42
7		7		7		7		7	4,470.38	7	4,224.75	7	3,978.04	7	3,731.00	7	3,447.72	7	3,092.00
1/4		1/4		1/4		1/4		1/4	4,465.28	1/4	4,219.62	1/4	3,972.89	1/4	3,725.86	1/4	3,440.32	1/4	3,084.57
1/2		1/2		1/2		1/2		1/2	4,460.17	1/2	4,214.49	1/2	3,967.74	1/2	3,720.71	1/2	3,432.92	1/2	3,077.15
3/4		3/4		3/4		3/4		3/4	4,455.07	3/4	4,209.35	3/4	3,962.60	3/4	3,715.56	3/4	3,425.51	3/4	3,069.73
8		8		8		8		8	4,449.96	8	4,204.22	8	3,957.45	8	3,710.42	8	3,418.11	8	3,062.31
1/4		1/4		1/4		1/4		1/4	4,444.86	1/4	4,199.09	1/4	3,952.30	1/4	3,705.27	1/4	3,410.71	1/4	3,054.89
1/2		1/2		1/2		1/2		1/2	4,439.75	1/2	4,193.96	1/2	3,947.16	1/2	3,700.12	1/2	3,403.31	1/2	3,047.46
3/4		3/4		3/4		3/4		3/4	4,434.65	3/4	4,188.83	3/4	3,942.01	3/4	3,694.98	3/4	3,395.91	3/4	3,040.04
9		9		9		9		9	4,429.54	9	4,183.69	9	3,936.86	9	3,689.83	9	3,388.51	9	3,032.62
1/4		1/4		1/4		1/4		1/4	4,424.44	1/4	4,178.56	1/4	3,931.72	1/4	3,684.69	1/4	3,381.11	1/4	3,025.20
1/2		1/2		1/2		1/2		1/2	4,419.33	1/2	4,173.43	1/2	3,926.57	1/2	3,679.54	1/2	3,373.70	1/2	3,017.78
3/4		3/4		3/4		3/4		3/4	4,414.23	3/4	4,168.30	3/4	3,921.42	3/4	3,674.39	3/4	3,366.30	3/4	3,010.35
10		10		10		10		10	4,409.12	10	4,163.17	10	3,916.28	10	3,669.25	10	3,358.90	10	3,002.93
1/4		1/4		1/4		1/4		1/4	4,404.02	1/4	4,158.03	1/4	3,911.13	1/4	3,664.10	1/4	3,351.50	1/4	2,995.51
1/2		1/2		1/2		1/2		1/2	4,398.91	1/2	4,152.90	1/2	3,905.98	1/2	3,658.95	1/2	3,344.10	1/2	2,988.09
3/4		3/4		3/4		3/4		3/4	4,393.81	3/4	4,147.77	3/4	3,900.84	3/4	3,653.81	3/4	3,336.70	3/4	2,980.67
11		11		11		11		11	4,388.70	11	4,142.64	11	3,895.69	11	3,648.66	11	3,329.30	11	2,973.24
1/4		1/4		1/4		1/4		1/4	4,383.60	1/4	4,137.51	1/4	3,890.55	1/4	3,643.51	1/4	3,321.90	1/4	2,965.82
1/2		1/2		1/2		1/2		1/2	4,378.49	1/2	4,132.37	1/2	3,885.40	1/2	3,638.37	1/2	3,314.49	1/2	2,958.40
3/4		3/4		3/4		3/4		3/4	4,373.39	3/4	4,127.24	3/4	3,880.25	3/4	3,633.22	3/4	3,307.09	3/4	2,950.97

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'-08" OFF CENTERLINE AND 41'-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 3151"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,587.15	0	2,231.76	0	1,877.91	0	1,521.17	0	1,164.85	0	818.49	0	461.55	0	104.63	0		0	
1/4	2,579.71	1/4	2,224.39	1/4	1,870.48	1/4	1,513.74	1/4	1,157.63	1/4	811.06	1/4	454.12	1/4	97.18	1/4		1/4	
1/2	2,572.28	1/2	2,217.02	1/2	1,863.05	1/2	1,506.31	1/2	1,150.41	1/2	803.62	1/2	446.68	1/2	89.74	1/2		1/2	
3/4	2,564.85	3/4	2,209.65	3/4	1,855.62	3/4	1,498.88	3/4	1,143.19	3/4	796.18	3/4	439.25	3/4	82.29	3/4		3/4	
1	2,557.42	1	2,202.29	1	1,848.19	1	1,491.44	1	1,135.97	1	788.75	1	431.81	1	74.85	1		1	
1/4	2,549.99	1/4	2,194.92	1/4	1,840.75	1/4	1,484.01	1/4	1,128.75	1/4	781.31	1/4	424.38	1/4	67.86	1/4		1/4	
1/2	2,542.55	1/2	2,187.55	1/2	1,833.32	1/2	1,476.58	1/2	1,121.53	1/2	773.88	1/2	416.94	1/2	60.88	1/2		1/2	
3/4	2,535.12	3/4	2,180.18	3/4	1,825.89	3/4	1,469.15	3/4	1,114.32	3/4	766.44	3/4	409.51	3/4	53.90	3/4		3/4	
2	2,527.69	2	2,172.81	2	1,818.46	2	1,461.72	2	1,107.10	2	759.00	2	402.07	2	46.92	2		2	
1/4	2,520.26	1/4	2,165.44	1/4	1,811.03	1/4	1,454.28	1/4	1,099.89	1/4	751.57	1/4	394.64	1/4	41.33	1/4		1/4	
1/2	2,512.83	1/2	2,158.07	1/2	1,803.59	1/2	1,446.85	1/2	1,092.68	1/2	744.13	1/2	387.20	1/2	35.74	1/2		1/2	
3/4	2,505.39	3/4	2,150.70	3/4	1,796.16	3/4	1,439.42	3/4	1,085.47	3/4	736.69	3/4	379.77	3/4	30.16	3/4		3/4	
3	2,497.96	3	2,143.33	3	1,788.73	3	1,431.99	3	1,078.26	3	729.26	3	372.33	3	24.57	3		3	
1/4	2,490.55	1/4	2,135.96	1/4	1,781.30	1/4	1,424.56	1/4	1,071.06	1/4	721.82	1/4	364.90	1/4	20.85	1/4		1/4	
1/2	2,483.14	1/2	2,128.59	1/2	1,773.86	1/2	1,417.12	1/2	1,063.85	1/2	714.39	1/2	357.46	1/2		1/2		1/2	
3/4	2,475.72	3/4	2,121.22	3/4	1,766.43	3/4	1,409.69	3/4	1,056.64	3/4	706.95	3/4	350.03	3/4		3/4		3/4	
4	2,468.31	4	2,113.86	4	1,759.00	4	1,402.26	4	1,049.44	4	699.51	4	342.59	4		4		4	
1/4	2,460.92	1/4	2,106.49	1/4	1,751.57	1/4	1,394.83	1/4	1,042.23	1/4	692.08	1/4	335.16	1/4		1/4		1/4	
1/2	2,453.52	1/2	2,099.12	1/2	1,744.14	1/2	1,387.40	1/2	1,035.03	1/2	684.64	1/2	327.72	1/2		1/2		1/2	
3/4	2,446.13	3/4	2,091.75	3/4	1,736.70	3/4	1,379.96	3/4	1,027.83	3/4	677.20	3/4	320.29	3/4		3/4		3/4	
5	2,438.74	5	2,084.38	5	1,729.27	5	1,372.53	5	1,020.63	5	669.77	5	312.85	5		5		5	
1/4	2,431.34	1/4	2,077.01	1/4	1,721.84	1/4	1,365.10	1/4	1,013.42	1/4	662.33	1/4	305.42	1/4		1/4		1/4	
1/2	2,423.95	1/2	2,069.64	1/2	1,714.41	1/2	1,357.67	1/2	1,006.22	1/2	654.89	1/2	297.98	1/2		1/2		1/2	
3/4	2,416.56	3/4	2,062.27	3/4	1,706.98	3/4	1,350.24	3/4	999.02	3/4	647.46	3/4	290.55	3/4		3/4		3/4	
6	2,409.16	6	2,054.90	6	1,699.54	6	1,342.80	6	991.82	6	640.02	6	283.11	6		6		6	
1/4	2,401.77	1/4	2,047.53	1/4	1,692.11	1/4	1,335.37	1/4	984.62	1/4	632.59	1/4	275.68	1/4		1/4		1/4	
1/2	2,394.37	1/2	2,040.16	1/2	1,684.68	1/2	1,327.94	1/2	977.41	1/2	625.15	1/2	268.24	1/2		1/2		1/2	
3/4	2,386.98	3/4	2,032.79	3/4	1,677.25	3/4	1,320.51	3/4	970.21	3/4	617.71	3/4	260.81	3/4		3/4		3/4	
7	2,379.59	7	2,025.42	7	1,669.82	7	1,313.07	7	963.01	7	610.28	7	253.37	7		7		7	
1/4	2,372.19	1/4	2,018.06	1/4	1,662.38	1/4	1,305.64	1/4	955.81	1/4	602.84	1/4	245.94	1/4		1/4		1/4	
1/2	2,364.80	1/2	2,010.69	1/2	1,654.95	1/2	1,298.21	1/2	948.60	1/2	595.40	1/2	238.50	1/2		1/2		1/2	
3/4	2,357.41	3/4	2,003.32	3/4	1,647.52	3/4	1,290.78	3/4	941.40	3/4	587.97	3/4	231.07	3/4		3/4		3/4	
8	2,350.01	8	1,995.95	8	1,640.09	8	1,283.35	8	934.20	8	580.53	8	223.63	8		8		8	
1/4	2,342.62	1/4	1,988.58	1/4	1,632.65	1/4	1,275.91	1/4	927.00	1/4	573.10	1/4	216.20	1/4		1/4		1/4	
1/2	2,335.23	1/2	1,981.21	1/2	1,625.22	1/2	1,268.48	1/2	919.79	1/2	565.66	1/2	208.76	1/2		1/2		1/2	
3/4	2,327.83	3/4	1,973.84	3/4	1,617.79	3/4	1,261.05	3/4	912.59	3/4	558.22	3/4	201.32	3/4		3/4		3/4	
9	2,320.44	9	1,966.47	9	1,610.36	9	1,253.62	9	905.39	9	550.79	9	193.89	9		9		9	
1/4	2,313.04	1/4	1,959.10	1/4	1,602.93	1/4	1,246.19	1/4	898.19	1/4	543.35	1/4	186.45	1/4		1/4		1/4	
1/2	2,305.65	1/2	1,951.73	1/2	1,595.49	1/2	1,238.75	1/2	890.98	1/2	535.91	1/2	179.01	1/2		1/2		1/2	
3/4	2,298.26	3/4	1,944.36	3/4	1,588.06	3/4	1,231.32	3/4	883.78	3/4	528.48	3/4	171.58	3/4		3/4		3/4	
10	2,290.86	10	1,936.99	10	1,580.63	10	1,223.89	10	876.58	10	521.04	10	164.14	10		10		10	
1/4	2,283.47	1/4	1,929.63	1/4	1,573.20	1/4	1,216.46	1/4	869.38	1/4	513.61	1/4	156.70	1/4		1/4		1/4	
1/2	2,276.08	1/2	1,922.26	1/2	1,565.77	1/2	1,209.03	1/2	862.17	1/2	506.17	1/2	149.26	1/2		1/2		1/2	
3/4	2,268.68	3/4	1,914.89	3/4	1,558.33	3/4	1,201.59	3/4	854.97	3/4	498.73	3/4	141.83	3/4		3/4		3/4	
11	2,261.29	11	1,907.52	11	1,550.90	11	1,194.16	11	847.77	11	491.30	11	134.39	11		11		11	
1/4	2,253.91	1/4	1,900.12	1/4	1,543.47	1/4	1,186.83	1/4	840.45	1/4	483.86	1/4	126.95	1/4		1/4		1/4	
1/2	2,246.53	1/2	1,892.72	1/2	1,536.04	1/2	1,179.51	1/2	833.13	1/2	476.43	1/2	119.51	1/2		1/2		1/2	
3/4	2,239.14	3/4	1,885.32	3/4	1,528.61	3/4	1,172.18	3/4	825.81	3/4	468.99	3/4	112.07	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/28/2016 CL
RECALCULATED: 04/28/2021 CL
REPRINTED: 04/28/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "HTCO 3151"

3 STBD ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,394.64	0	4,148.45	0	3,901.42	0	3,654.36	0	3,327.81	0	2,970.95
1/4		1/4		1/4		1/4		1/4	4,389.53	1/4	4,143.32	1/4	3,896.27	1/4	3,649.21	1/4	3,320.39	1/4	2,963.51
1/2		1/2		1/2		1/2		1/2	4,384.43	1/2	4,138.18	1/2	3,891.13	1/2	3,644.06	1/2	3,312.97	1/2	2,956.07
3/4		3/4		3/4		3/4		3/4	4,379.32	3/4	4,133.04	3/4	3,885.98	3/4	3,638.91	3/4	3,305.56	3/4	2,948.63
1		1		1		1	4,607.65	1	4,374.22	1	4,127.89	1	3,880.83	1	3,633.77	1	3,298.14	1	2,941.19
1/4		1/4		1/4		1/4	4,605.20	1/4	4,369.11	1/4	4,122.75	1/4	3,875.69	1/4	3,628.62	1/4	3,290.72	1/4	2,933.75
1/2		1/2		1/2		1/2	4,601.69	1/2	4,363.99	1/2	4,117.60	1/2	3,870.54	1/2	3,623.47	1/2	3,283.30	1/2	2,926.31
3/4		3/4		3/4		3/4	4,598.18	3/4	4,358.87	3/4	4,112.46	3/4	3,865.39	3/4	3,618.33	3/4	3,275.87	3/4	2,918.87
2		2		2		2	4,594.67	2	4,353.76	2	4,107.31	2	3,860.24	2	3,613.18	2	3,268.44	2	2,911.43
1/4		1/4		1/4		1/4	4,591.16	1/4	4,348.64	1/4	4,102.16	1/4	3,855.10	1/4	3,608.03	1/4	3,261.02	1/4	2,903.99
1/2		1/2		1/2		1/2	4,586.65	1/2	4,343.50	1/2	4,097.02	1/2	3,849.95	1/2	3,602.31	1/2	3,253.58	1/2	2,896.55
3/4		3/4		3/4		3/4	4,582.14	3/4	4,338.37	3/4	4,091.87	3/4	3,844.80	3/4	3,596.59	3/4	3,246.14	3/4	2,889.11
3		3		3		3	4,577.63	3	4,333.24	3	4,086.72	3	3,839.66	3	3,590.87	3	3,238.70	3	2,881.67
1/4		1/4		1/4		1/4	4,573.12	1/4	4,328.11	1/4	4,081.57	1/4	3,834.51	1/4	3,585.15	1/4	3,231.27	1/4	2,874.23
1/2		1/2		1/2		1/2	4,568.07	1/2	4,322.97	1/2	4,076.43	1/2	3,829.36	1/2	3,578.29	1/2	3,223.83	1/2	2,866.79
3/4		3/4		3/4		3/4	4,563.03	3/4	4,317.84	3/4	4,071.28	3/4	3,824.21	3/4	3,571.44	3/4	3,216.39	3/4	2,859.35
4		4		4		4	4,557.99	4	4,312.71	4	4,066.13	4	3,819.07	4	3,564.58	4	3,208.95	4	2,851.91
1/4		1/4		1/4		1/4	4,552.95	1/4	4,307.57	1/4	4,060.99	1/4	3,813.92	1/4	3,557.73	1/4	3,201.52	1/4	2,844.47
1/2		1/2		1/2		1/2	4,547.84	1/2	4,302.44	1/2	4,055.84	1/2	3,808.77	1/2	3,550.31	1/2	3,194.08	1/2	2,837.03
3/4		3/4		3/4		3/4	4,542.73	3/4	4,297.31	3/4	4,050.69	3/4	3,803.63	3/4	3,542.89	3/4	3,186.64	3/4	2,829.59
5		5		5		5	4,537.62	5	4,292.18	5	4,045.54	5	3,798.48	5	3,535.48	5	3,179.20	5	2,822.15
1/4		1/4		1/4		1/4	4,532.51	1/4	4,287.04	1/4	4,040.40	1/4	3,793.33	1/4	3,528.06	1/4	3,171.77	1/4	2,814.71
1/2		1/2		1/2		1/2	4,527.41	1/2	4,281.91	1/2	4,035.25	1/2	3,788.18	1/2	3,520.64	1/2	3,164.33	1/2	2,807.27
3/4		3/4		3/4		3/4	4,522.30	3/4	4,276.78	3/4	4,030.10	3/4	3,783.04	3/4	3,513.23	3/4	3,156.89	3/4	2,799.83
6		6		6		6	4,517.19	6	4,271.64	6	4,024.95	6	3,777.89	6	3,505.81	6	3,149.45	6	2,792.39
1/4		1/4		1/4		1/4	4,512.08	1/4	4,266.51	1/4	4,019.81	1/4	3,772.74	1/4	3,498.39	1/4	3,142.02	1/4	2,784.95
1/2		1/2		1/2		1/2	4,506.97	1/2	4,261.38	1/2	4,014.66	1/2	3,767.59	1/2	3,490.98	1/2	3,134.58	1/2	2,777.51
3/4		3/4		3/4		3/4	4,501.86	3/4	4,256.25	3/4	4,009.51	3/4	3,762.45	3/4	3,483.56	3/4	3,127.14	3/4	2,770.07
7		7		7		7	4,496.76	7	4,251.11	7	4,004.37	7	3,757.30	7	3,476.14	7	3,119.70	7	2,762.63
1/4		1/4		1/4		1/4	4,491.65	1/4	4,245.98	1/4	3,999.22	1/4	3,752.15	1/4	3,468.73	1/4	3,112.27	1/4	2,755.19
1/2		1/2		1/2		1/2	4,486.54	1/2	4,240.85	1/2	3,994.07	1/2	3,747.01	1/2	3,461.31	1/2	3,104.83	1/2	2,747.75
3/4		3/4		3/4		3/4	4,481.44	3/4	4,235.71	3/4	3,988.92	3/4	3,741.86	3/4	3,453.89	3/4	3,097.39	3/4	2,740.31
8		8		8		8	4,476.33	8	4,230.58	8	3,983.78	8	3,736.71	8	3,446.48	8	3,089.95	8	2,732.87
1/4		1/4		1/4		1/4	4,471.22	1/4	4,225.45	1/4	3,978.63	1/4	3,731.56	1/4	3,439.06	1/4	3,082.52	1/4	2,725.43
1/2		1/2		1/2		1/2	4,466.12	1/2	4,220.31	1/2	3,973.48	1/2	3,726.42	1/2	3,431.64	1/2	3,075.08	1/2	2,717.99
3/4		3/4		3/4		3/4	4,461.01	3/4	4,215.18	3/4	3,968.34	3/4	3,721.27	3/4	3,424.22	3/4	3,067.64	3/4	2,710.55
9		9		9		9	4,455.91	9	4,210.05	9	3,963.19	9	3,716.12	9	3,416.81	9	3,060.20	9	2,703.11
1/4		1/4		1/4		1/4	4,450.80	1/4	4,204.92	1/4	3,958.04	1/4	3,710.98	1/4	3,409.39	1/4	3,052.77	1/4	2,695.67
1/2		1/2		1/2		1/2	4,445.69	1/2	4,199.78	1/2	3,952.89	1/2	3,705.83	1/2	3,401.97	1/2	3,045.33	1/2	2,688.23
3/4		3/4		3/4		3/4	4,440.59	3/4	4,194.65	3/4	3,947.75	3/4	3,700.68	3/4	3,394.56	3/4	3,037.89	3/4	2,680.79
10		10		10		10	4,435.48	10	4,189.52	10	3,942.60	10	3,695.53	10	3,387.14	10	3,030.45	10	2,673.35
1/4		1/4		1/4		1/4	4,430.38	1/4	4,184.38	1/4	3,937.45	1/4	3,690.39	1/4	3,379.72	1/4	3,023.02	1/4	2,665.91
1/2		1/2		1/2		1/2	4,425.27	1/2	4,179.25	1/2	3,932.31	1/2	3,685.24	1/2	3,372.31	1/2	3,015.58	1/2	2,658.47
3/4		3/4		3/4		3/4	4,420.17	3/4	4,174.12	3/4	3,927.16	3/4	3,680.09	3/4	3,364.89	3/4	3,008.14	3/4	2,651.02
11		11		11		11	4,415.06	11	4,168.99	11	3,922.01	11	3,674.95	11	3,357.47	11	3,000.70	11	2,643.58
1/4		1/4		1/4		1/4	4,409.96	1/4	4,163.85	1/4	3,916.86	1/4	3,669.80	1/4	3,350.06	1/4	2,993.27	1/4	2,636.14
1/2		1/2		1/2		1/2	4,404.85	1/2	4,158.72	1/2	3,911.72	1/2	3,664.65	1/2	3,342.64	1/2	2,985.83	1/2	2,628.70
3/4		3/4		3/4		3/4	4,399.74	3/4	4,153.59	3/4	3,906.57	3/4	3,659.50	3/4	3,335.22	3/4	2,978.39	3/4	2,621.26

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'-08" OFF CENTERLINE AND 41'-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 3151"

3 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
	2,613.82	0	2,256.35	0	1,898.87	0	1,541.40	0	1,183.92	0	826.99	0	469.54	0	112.07	0		0	
1/4	2,606.37	1/4	2,248.90	1/4	1,891.42	1/4	1,533.95	1/4	1,176.47	1/4	819.56	1/4	462.09	1/4	104.63	1/4		1/4	
1/2	2,598.93	1/2	2,241.45	1/2	1,883.98	1/2	1,526.50	1/2	1,169.03	1/2	812.11	1/2	454.64	1/2	97.18	1/2		1/2	
3/4	2,591.48	3/4	2,234.00	3/4	1,876.53	3/4	1,519.05	3/4	1,161.58	3/4	804.66	3/4	447.20	3/4	89.73	3/4		3/4	
1	2,584.03	1	2,226.56	1	1,869.08	1	1,511.61	1	1,154.13	1	797.21	1	439.75	1	82.28	1		1	
1/4	2,576.58	1/4	2,219.11	1/4	1,861.63	1/4	1,504.16	1/4	1,146.68	1/4	789.77	1/4	432.30	1/4	74.84	1/4		1/4	
1/2	2,569.14	1/2	2,211.66	1/2	1,854.19	1/2	1,496.71	1/2	1,139.24	1/2	782.32	1/2	424.85	1/2	67.85	1/2		1/2	
3/4	2,561.69	3/4	2,204.21	3/4	1,846.74	3/4	1,489.26	3/4	1,131.80	3/4	774.87	3/4	417.41	3/4	60.87	3/4		3/4	
2	2,554.24	2	2,196.77	2	1,839.29	2	1,481.82	2	1,124.35	2	767.43	2	409.96	2	53.89	2		2	
1/4	2,546.79	1/4	2,189.32	1/4	1,831.84	1/4	1,474.37	1/4	1,116.91	1/4	759.98	1/4	402.51	1/4	46.91	1/4		1/4	
1/2	2,539.35	1/2	2,181.87	1/2	1,824.40	1/2	1,466.92	1/2	1,109.47	1/2	752.53	1/2	395.07	1/2	41.32	1/2		1/2	
3/4	2,531.90	3/4	2,174.42	3/4	1,816.95	3/4	1,459.47	3/4	1,102.03	3/4	745.08	3/4	387.62	3/4	35.74	3/4		3/4	
3	2,524.45	3	2,166.98	3	1,809.50	3	1,452.03	3	1,094.59	3	737.64	3	380.17	3	30.15	3		3	
1/4	2,517.01	1/4	2,159.53	1/4	1,802.05	1/4	1,444.58	1/4	1,087.15	1/4	730.19	1/4	372.72	1/4	24.57	1/4		1/4	
1/2	2,509.56	1/2	2,152.08	1/2	1,794.61	1/2	1,437.13	1/2	1,079.72	1/2	722.74	1/2	365.28	1/2	20.85	1/2		1/2	
3/4	2,502.11	3/4	2,144.64	3/4	1,787.16	3/4	1,429.68	3/4	1,072.28	3/4	715.30	3/4	357.83	3/4		3/4		3/4	
4	2,494.66	4	2,137.19	4	1,779.71	4	1,422.24	4	1,064.85	4	707.85	4	350.38	4		4		4	
1/4	2,487.22	1/4	2,129.74	1/4	1,772.27	1/4	1,414.79	1/4	1,057.41	1/4	700.40	1/4	342.94	1/4		1/4		1/4	
1/2	2,479.77	1/2	2,122.29	1/2	1,764.82	1/2	1,407.34	1/2	1,049.98	1/2	692.95	1/2	335.49	1/2		1/2		1/2	
3/4	2,472.32	3/4	2,114.85	3/4	1,757.37	3/4	1,399.90	3/4	1,042.55	3/4	685.51	3/4	328.04	3/4		3/4		3/4	
5	2,464.87	5	2,107.40	5	1,749.92	5	1,392.45	5	1,035.12	5	678.06	5	320.59	5		5		5	
1/4	2,457.43	1/4	2,099.95	1/4	1,742.48	1/4	1,385.00	1/4	1,027.68	1/4	670.61	1/4	313.15	1/4		1/4		1/4	
1/2	2,449.98	1/2	2,092.50	1/2	1,735.03	1/2	1,377.55	1/2	1,020.25	1/2	663.17	1/2	305.70	1/2		1/2		1/2	
3/4	2,442.53	3/4	2,085.06	3/4	1,727.58	3/4	1,370.11	3/4	1,012.82	3/4	655.72	3/4	298.25	3/4		3/4		3/4	
6	2,435.08	6	2,077.61	6	1,720.13	6	1,362.66	6	1,005.39	6	648.27	6	290.81	6		6		6	
1/4	2,427.64	1/4	2,070.16	1/4	1,712.69	1/4	1,355.21	1/4	997.95	1/4	640.82	1/4	283.36	1/4		1/4		1/4	
1/2	2,420.19	1/2	2,062.71	1/2	1,705.24	1/2	1,347.76	1/2	990.52	1/2	633.38	1/2	275.91	1/2		1/2		1/2	
3/4	2,412.74	3/4	2,055.27	3/4	1,697.79	3/4	1,340.32	3/4	983.09	3/4	625.93	3/4	268.46	3/4		3/4		3/4	
7	2,405.29	7	2,047.82	7	1,690.34	7	1,332.87	7	975.66	7	618.48	7	261.02	7		7		7	
1/4	2,397.85	1/4	2,040.37	1/4	1,682.90	1/4	1,325.42	1/4	968.23	1/4	611.03	1/4	253.57	1/4		1/4		1/4	
1/2	2,390.40	1/2	2,032.92	1/2	1,675.45	1/2	1,317.97	1/2	960.79	1/2	603.59	1/2	246.12	1/2		1/2		1/2	
3/4	2,382.95	3/4	2,025.48	3/4	1,668.00	3/4	1,310.53	3/4	953.36	3/4	596.14	3/4	238.67	3/4		3/4		3/4	
8	2,375.50	8	2,018.03	8	1,660.55	8	1,303.08	8	945.93	8	588.69	8	231.23	8		8		8	
1/4	2,368.06	1/4	2,010.58	1/4	1,653.11	1/4	1,295.63	1/4	938.50	1/4	581.25	1/4	223.78	1/4		1/4		1/4	
1/2	2,360.61	1/2	2,003.13	1/2	1,645.66	1/2	1,288.18	1/2	931.06	1/2	573.80	1/2	216.33	1/2		1/2		1/2	
3/4	2,353.16	3/4	1,995.69	3/4	1,638.21	3/4	1,280.74	3/4	923.63	3/4	566.35	3/4	208.89	3/4		3/4		3/4	
9	2,345.72	9	1,988.24	9	1,630.76	9	1,273.29	9	916.20	9	558.90	9	201.44	9		9		9	
1/4	2,338.27	1/4	1,980.79	1/4	1,623.32	1/4	1,265.84	1/4	908.77	1/4	551.46	1/4	193.99	1/4		1/4		1/4	
1/2	2,330.82	1/2	1,973.35	1/2	1,615.87	1/2	1,258.39	1/2	901.34	1/2	544.01	1/2	186.54	1/2		1/2		1/2	
3/4	2,323.37	3/4	1,965.90	3/4	1,608.42	3/4	1,250.95	3/4	893.90	3/4	536.56	3/4	179.10	3/4		3/4		3/4	
10	2,315.93	10	1,958.45	10	1,600.98	10	1,243.50	10	886.47	10	529.12	10	171.65	10		10		10	
1/4	2,308.48	1/4	1,951.00	1/4	1,593.53	1/4	1,236.05	1/4	879.04	1/4	521.67	1/4	164.20	1/4		1/4		1/4	
1/2	2,301.03	1/2	1,943.56	1/2	1,586.08	1/2	1,228.61	1/2	871.61	1/2	514.22	1/2	156.76	1/2		1/2		1/2	
3/4	2,293.58	3/4	1,936.11	3/4	1,578.63	3/4	1,221.16	3/4	864.17	3/4	506.77	3/4	149.31	3/4		3/4		3/4	
11	2,286.14	11	1,928.66	11	1,571.19	11	1,213.71	11	856.74	11	499.33	11	141.86	11		11		11	
1/4	2,278.69	1/4	1,921.21	1/4	1,563.74	1/4	1,206.26	1/4	849.31	1/4	491.88	1/4	134.41	1/4		1/4		1/4	
1/2	2,271.24	1/2	1,913.77	1/2	1,556.29	1/2	1,198.82	1/2	841.87	1/2	484.43	1/2	126.97	1/2		1/2		1/2	
3/4	2,263.79	3/4	1,906.32	3/4	1,548.84	3/4	1,191.37	3/4	834.43	3/4	476.99	3/4	119.52	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

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



BARGE "HTCO 3151"

FWD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 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	1,590	0	1,141	0	692	0	243	0		0		0		0	
1/4		1/4		1/4	1,581	1/4	1,132	1/4	683	1/4	234	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	2,020	1/2	1,571	1/2	673	1/2	225	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	2,011	3/4	1,562	3/4	664	3/4	215	3/4		3/4		3/4		3/4	
1		1		1	2,001	1	1,552	1	655	1	206	1		1		1		1	
1/4		1/4		1/4	1,992	1/4	1,543	1/4	645	1/4	197	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,983	1/2	1,534	1/2	636	1/2	187	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,973	3/4	1,524	3/4	627	3/4	178	3/4		3/4		3/4		3/4	
2		2		2	1,964	2	1,515	2	617	2	169	2		2		2		2	
1/4		1/4		1/4	1,955	1/4	1,506	1/4	608	1/4	159	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,945	1/2	1,496	1/2	599	1/2	150	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,936	3/4	1,487	3/4	589	3/4	140	3/4		3/4		3/4		3/4	
3		3		3	1,926	3	1,478	3	580	3	131	3		3		3		3	
1/4		1/4		1/4	1,917	1/4	1,468	1/4	571	1/4	122	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,908	1/2	1,459	1/2	561	1/2	112	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,898	3/4	1,450	3/4	552	3/4	103	3/4		3/4		3/4		3/4	
4		4		4	1,889	4	1,440	4	991	4	543	4		4		4		4	
1/4		1/4		1/4	1,880	1/4	1,431	1/4	982	1/4	533	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,870	1/2	1,422	1/2	973	1/2	524	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,861	3/4	1,412	3/4	963	3/4	515	3/4		3/4		3/4		3/4	
5		5		5	1,852	5	1,403	5	954	5	505	5		5		5		5	
1/4		1/4		1/4	1,842	1/4	1,394	1/4	945	1/4	496	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,833	1/2	1,384	1/2	935	1/2	486	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,824	3/4	1,375	3/4	926	3/4	477	3/4		3/4		3/4		3/4	
6		6		6	1,814	6	1,365	6	917	6	468	6		6		6		6	
1/4		1/4		1/4	1,805	1/4	1,356	1/4	907	1/4	458	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,796	1/2	1,347	1/2	898	1/2	449	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,786	3/4	1,337	3/4	889	3/4	440	3/4		3/4		3/4		3/4	
7		7		7	1,777	7	1,328	7	879	7	430	7		7		7		7	
1/4		1/4		1/4	1,768	1/4	1,319	1/4	870	1/4	421	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,758	1/2	1,309	1/2	861	1/2	412	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,749	3/4	1,300	3/4	851	3/4	402	3/4		3/4		3/4		3/4	
8		8		8	1,739	8	1,291	8	842	8	393	8		8		8		8	
1/4		1/4		1/4	1,730	1/4	1,281	1/4	832	1/4	384	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,721	1/2	1,272	1/2	823	1/2	374	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,711	3/4	1,263	3/4	814	3/4	365	3/4		3/4		3/4		3/4	
9		9		9	1,702	9	1,253	9	804	9	356	9		9		9		9	
1/4		1/4		1/4	1,693	1/4	1,244	1/4	795	1/4	346	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,683	1/2	1,235	1/2	786	1/2	337	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,674	3/4	1,225	3/4	776	3/4	328	3/4		3/4		3/4		3/4	
10		10		10	1,665	10	1,216	10	767	10	318	10		10		10		10	
1/4		1/4		1/4	1,655	1/4	1,206	1/4	758	1/4	309	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,646	1/2	1,197	1/2	748	1/2	299	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,637	3/4	1,188	3/4	739	3/4	290	3/4		3/4		3/4		3/4	
11		11		11	1,627	11	1,178	11	730	11	281	11		11		11		11	
1/4		1/4		1/4	1,618	1/4	1,169	1/4	720	1/4	271	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,609	1/2	1,160	1/2	711	1/2	262	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,599	3/4	1,150	3/4	702	3/4	253	3/4		3/4		3/4		3/4	

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

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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2016

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 3151"

AFT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 1/2"

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

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

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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
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BARGE "HTCO 3151"

AFT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 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	1,590	0	1,141	0	692	0	243	0		0		0		0	
1/4		1/4		1/4	1,581	1/4	1,132	1/4	683	1/4	234	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	2,020	1/2	1,571	1/2	673	1/2	225	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	2,011	3/4	1,562	3/4	664	3/4	215	3/4		3/4		3/4		3/4	
1		1		1	1,552	1	1,104	1	655	1	206	1		1		1		1	
1/4		1/4		1/4	1,992	1/4	1,543	1/4	1,094	1/4	197	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,983	1/2	1,534	1/2	1,085	1/2	187	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,973	3/4	1,524	3/4	1,076	3/4	178	3/4		3/4		3/4		3/4	
2		2		2	1,964	2	1,515	2	1,066	2	169	2		2		2		2	
1/4		1/4		1/4	1,955	1/4	1,506	1/4	1,057	1/4	159	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,945	1/2	1,496	1/2	1,048	1/2	150	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,936	3/4	1,487	3/4	1,038	3/4	140	3/4		3/4		3/4		3/4	
3		3		3	1,926	3	1,478	3	1,029	3	131	3		3		3		3	
1/4		1/4		1/4	1,917	1/4	1,468	1/4	1,019	1/4	122	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,908	1/2	1,459	1/2	1,010	1/2	112	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,898	3/4	1,450	3/4	1,001	3/4	103	3/4		3/4		3/4		3/4	
4		4		4	1,889	4	1,440	4	991	4	94	4		4		4		4	
1/4		1/4		1/4	1,880	1/4	1,431	1/4	982	1/4	84	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,870	1/2	1,422	1/2	973	1/2	75	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,861	3/4	1,412	3/4	963	3/4	66	3/4		3/4		3/4		3/4	
5		5		5	1,852	5	1,403	5	954	5	56	5		5		5		5	
1/4		1/4		1/4	1,842	1/4	1,394	1/4	945	1/4	47	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,833	1/2	1,384	1/2	935	1/2	38	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,824	3/4	1,375	3/4	926	3/4	28	3/4		3/4		3/4		3/4	
6		6		6	1,814	6	1,365	6	917	6	19	6		6		6		6	
1/4		1/4		1/4	1,805	1/4	1,356	1/4	907	1/4	9	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,796	1/2	1,347	1/2	898	1/2	0	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,786	3/4	1,337	3/4	889	3/4		3/4		3/4		3/4		3/4	
7		7		7	1,777	7	1,328	7	879	7	430	7		7		7		7	
1/4		1/4		1/4	1,768	1/4	1,319	1/4	870	1/4	421	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,758	1/2	1,309	1/2	861	1/2	412	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,749	3/4	1,300	3/4	851	3/4	402	3/4		3/4		3/4		3/4	
8		8		8	1,739	8	1,291	8	842	8	393	8		8		8		8	
1/4		1/4		1/4	1,730	1/4	1,281	1/4	832	1/4	384	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,721	1/2	1,272	1/2	823	1/2	374	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,711	3/4	1,263	3/4	814	3/4	365	3/4		3/4		3/4		3/4	
9		9		9	1,702	9	1,253	9	804	9	356	9		9		9		9	
1/4		1/4		1/4	1,693	1/4	1,244	1/4	795	1/4	346	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,683	1/2	1,235	1/2	786	1/2	337	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,674	3/4	1,225	3/4	776	3/4	328	3/4		3/4		3/4		3/4	
10		10		10	1,665	10	1,216	10	767	10	318	10		10		10		10	
1/4		1/4		1/4	1,655	1/4	1,206	1/4	758	1/4	309	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,646	1/2	1,197	1/2	748	1/2	299	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,637	3/4	1,188	3/4	739	3/4	290	3/4		3/4		3/4		3/4	
11		11		11	1,627	11	1,178	11	730	11	281	11		11		11		11	
1/4		1/4		1/4	1,618	1/4	1,169	1/4	720	1/4	271	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,609	1/2	1,160	1/2	711	1/2	262	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,599	3/4	1,150	3/4	702	3/4	253	3/4		3/4		3/4		3/4	

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

STRAPPED: 01/29/2016 CL
CALCULATED: 01/29/2016 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2016

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 3151"

FWD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 1/2"

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

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

STRAPPED: 01/29/2016 CL
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PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HTCO 3151"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 3'-09 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	120	0	298	0	456	0		0		0		0		0		0	
1/4	1	1/4	123	1/4	302	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2	1/2	127	1/2	305	1/2	461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3	3/4	130	3/4	309	3/4	463	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	134	1	313	1	466	1		1		1		1		1		1	
1/4	5	1/4	137	1/4	316	1/4	468	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	6	1/2	141	1/2	320	1/2	470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	8	3/4	144	3/4	324	3/4	472	3/4		3/4		3/4		3/4		3/4		3/4	
2	9	2	148	2	327	2	475	2		2		2		2		2		2	
1/4	11	1/4	152	1/4	331	1/4	477	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	13	1/2	155	1/2	335	1/2	478	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	15	3/4	159	3/4	338	3/4	480	3/4		3/4		3/4		3/4		3/4		3/4	
3	16	3	162	3	342	3	482	3		3		3		3		3		3	
1/4	19	1/4	166	1/4	346	1/4	484	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	170	1/2	349	1/2	485	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	23	3/4	173	3/4	353	3/4	487	3/4		3/4		3/4		3/4		3/4		3/4	
4	25	4	177	4	356	4	488	4		4		4		4		4		4	
1/4	27	1/4	181	1/4	360	1/4	489	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	30	1/2	185	1/2	363	1/2	490	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	32	3/4	188	3/4	367	3/4	491	3/4		3/4		3/4		3/4		3/4		3/4	
5	35	5	192	5	370	5	492	5		5		5		5		5		5	
1/4	37	1/4	196	1/4	374	1/4	493	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40	1/2	200	1/2	377	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	42	3/4	203	3/4	381	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	45	6	207	6	384	6		6		6		6		6		6		6	
1/4	48	1/4	211	1/4	387	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	215	1/2	391	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	218	3/4	394	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	56	7	222	7	397	7		7		7		7		7		7		7	
1/4	59	1/4	226	1/4	401	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	230	1/2	404	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	234	3/4	407	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	68	8	237	8	410	8		8		8		8		8		8		8	
1/4	71	1/4	241	1/4	413	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	74	1/2	245	1/2	416	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	77	3/4	249	3/4	420	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	80	9	252	9	423	9		9		9		9		9		9		9	
1/4	83	1/4	256	1/4	426	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	87	1/2	260	1/2	429	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	90	3/4	264	3/4	432	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	93	10	268	10	434	10		10		10		10		10		10		10	
1/4	96	1/4	271	1/4	437	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	100	1/2	275	1/2	440	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	279	3/4	443	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	106	11	283	11	446	11		11		11		11		11		11		11	
1/4	110	1/4	287	1/4	448	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113	1/2	290	1/2	451	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116	3/4	294	3/4	454	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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

STRAPPED: 01/29/2016 CL
CALCULATED: 01/29/2016 CL
PRINTED: 01/30/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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