



BARGE "HTCO 3128"

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	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
1 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
2 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
3 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
3 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-09"

March 28, 2024

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

<http://www.pmacorp.net>





BARGE "HTCO 3128"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17' 3-3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,695.85	0	4,339.61	0	3,982.09	0	3,624.48	0	3,266.88	0	2,909.27
1/4		1/4		1/4		1/4		1/4	4,688.47	1/4	4,332.18	1/4	3,974.64	1/4	3,617.03	1/4	3,259.43	1/4	2,901.81
1/2		1/2		1/2		1/2		1/2	4,681.08	1/2	4,324.75	1/2	3,967.19	1/2	3,609.58	1/2	3,251.98	1/2	2,894.36
3/4		3/4		3/4		3/4		3/4	4,673.69	3/4	4,317.31	3/4	3,959.74	3/4	3,602.13	3/4	3,244.53	3/4	2,886.90
1		1		1		1		1	4,666.30	1	4,309.87	1	3,952.29	1	3,594.68	1	3,237.08	1	2,879.45
1/4		1/4		1/4		1/4	5,001.97	1/4	4,658.91	1/4	4,302.43	1/4	3,944.84	1/4	3,587.23	1/4	3,229.63	1/4	2,871.99
1/2		1/2		1/2		1/2	4,997.24	1/2	4,651.52	1/2	4,294.99	1/2	3,937.39	1/2	3,579.78	1/2	3,222.18	1/2	2,864.54
3/4		3/4		3/4		3/4	4,991.44	3/4	4,644.11	3/4	4,287.54	3/4	3,929.94	3/4	3,572.33	3/4	3,214.73	3/4	2,857.09
2		2		2		2	4,985.65	2	4,636.71	2	4,280.09	2	3,922.49	2	3,564.88	2	3,207.28	2	2,849.63
1/4		1/4		1/4		1/4	4,979.85	1/4	4,629.30	1/4	4,272.64	1/4	3,915.04	1/4	3,557.43	1/4	3,199.83	1/4	2,842.18
1/2		1/2		1/2		1/2	4,974.06	1/2	4,621.89	1/2	4,265.19	1/2	3,907.59	1/2	3,549.98	1/2	3,192.38	1/2	2,834.72
3/4		3/4		3/4		3/4	4,967.26	3/4	4,614.46	3/4	4,257.74	3/4	3,900.14	3/4	3,542.53	3/4	3,184.93	3/4	2,827.27
3		3		3		3	4,960.47	3	4,607.03	3	4,250.29	3	3,892.69	3	3,535.08	3	3,177.48	3	2,819.82
1/4		1/4		1/4		1/4	4,953.67	1/4	4,599.60	1/4	4,242.84	1/4	3,885.24	1/4	3,527.63	1/4	3,170.03	1/4	2,812.36
1/2		1/2		1/2		1/2	4,946.88	1/2	4,592.17	1/2	4,235.39	1/2	3,877.79	1/2	3,520.18	1/2	3,162.58	1/2	2,804.91
3/4		3/4		3/4		3/4	4,939.55	3/4	4,584.75	3/4	4,227.94	3/4	3,870.34	3/4	3,512.73	3/4	3,155.13	3/4	2,797.45
4		4		4		4	4,932.22	4	4,577.32	4	4,220.49	4	3,862.89	4	3,505.28	4	3,147.68	4	2,790.00
1/4		1/4		1/4		1/4	4,924.90	1/4	4,569.89	1/4	4,213.04	1/4	3,855.44	1/4	3,497.83	1/4	3,140.23	1/4	2,782.54
1/2		1/2		1/2		1/2	4,917.57	1/2	4,562.46	1/2	4,205.59	1/2	3,847.99	1/2	3,490.38	1/2	3,132.78	1/2	2,775.09
3/4		3/4		3/4		3/4	4,910.18	3/4	4,555.03	3/4	4,198.14	3/4	3,840.54	3/4	3,482.93	3/4	3,125.33	3/4	2,767.64
5		5		5		5	4,902.78	5	4,547.60	5	4,190.69	5	3,833.09	5	3,475.48	5	3,117.88	5	2,760.18
1/4		1/4		1/4		1/4	4,895.39	1/4	4,540.18	1/4	4,183.24	1/4	3,825.64	1/4	3,468.03	1/4	3,110.43	1/4	2,752.73
1/2		1/2		1/2		1/2	4,888.00	1/2	4,532.75	1/2	4,175.79	1/2	3,818.19	1/2	3,460.58	1/2	3,102.98	1/2	2,745.27
3/4		3/4		3/4		3/4	4,880.61	3/4	4,525.32	3/4	4,168.34	3/4	3,810.74	3/4	3,453.13	3/4	3,095.53	3/4	2,737.82
6		6		6		6	4,873.21	6	4,517.89	6	4,160.89	6	3,803.29	6	3,445.68	6	3,088.08	6	2,730.37
1/4		1/4		1/4		1/4	4,865.82	1/4	4,510.46	1/4	4,153.44	1/4	3,795.84	1/4	3,438.23	1/4	3,080.63	1/4	2,722.91
1/2		1/2		1/2		1/2	4,858.43	1/2	4,503.03	1/2	4,145.99	1/2	3,788.39	1/2	3,430.78	1/2	3,073.18	1/2	2,715.46
3/4		3/4		3/4		3/4	4,851.04	3/4	4,495.61	3/4	4,138.54	3/4	3,780.94	3/4	3,423.33	3/4	3,065.73	3/4	2,708.00
7		7		7		7	4,843.64	7	4,488.18	7	4,131.09	7	3,773.49	7	3,415.88	7	3,058.28	7	2,700.55
1/4		1/4		1/4		1/4	4,836.25	1/4	4,480.75	1/4	4,123.64	1/4	3,766.04	1/4	3,408.43	1/4	3,050.83	1/4	2,693.10
1/2		1/2		1/2		1/2	4,828.86	1/2	4,473.32	1/2	4,116.19	1/2	3,758.59	1/2	3,400.98	1/2	3,043.38	1/2	2,685.64
3/4		3/4		3/4		3/4	4,821.47	3/4	4,465.89	3/4	4,108.74	3/4	3,751.14	3/4	3,393.53	3/4	3,035.93	3/4	2,678.19
8		8		8		8	4,814.08	8	4,458.46	8	4,101.29	8	3,743.68	8	3,386.08	8	3,028.48	8	2,670.73
1/4		1/4		1/4		1/4	4,806.69	1/4	4,451.04	1/4	4,093.84	1/4	3,736.23	1/4	3,378.63	1/4	3,021.03	1/4	2,663.28
1/2		1/2		1/2		1/2	4,799.30	1/2	4,443.61	1/2	4,086.39	1/2	3,728.78	1/2	3,371.18	1/2	3,013.58	1/2	2,655.83
3/4		3/4		3/4		3/4	4,791.91	3/4	4,436.18	3/4	4,078.94	3/4	3,721.33	3/4	3,363.73	3/4	3,006.13	3/4	2,648.37
9		9		9		9	4,784.52	9	4,428.75	9	4,071.49	9	3,713.88	9	3,356.28	9	2,998.67	9	2,640.92
1/4		1/4		1/4		1/4	4,777.13	1/4	4,421.32	1/4	4,064.04	1/4	3,706.43	1/4	3,348.83	1/4	2,991.22	1/4	2,633.46
1/2		1/2		1/2		1/2	4,769.74	1/2	4,413.89	1/2	4,056.59	1/2	3,698.98	1/2	3,341.38	1/2	2,983.77	1/2	2,626.01
3/4		3/4		3/4		3/4	4,762.35	3/4	4,406.46	3/4	4,049.14	3/4	3,691.53	3/4	3,333.93	3/4	2,976.32	3/4	2,618.55
10		10		10		10	4,754.96	10	4,399.04	10	4,041.69	10	3,684.08	10	3,326.48	10	2,968.87	10	2,611.10
1/4		1/4		1/4		1/4	4,747.58	1/4	4,391.61	1/4	4,034.24	1/4	3,676.63	1/4	3,319.03	1/4	2,961.42	1/4	2,603.65
1/2		1/2		1/2		1/2	4,740.19	1/2	4,384.18	1/2	4,026.79	1/2	3,669.18	1/2	3,311.58	1/2	2,953.97	1/2	2,596.19
3/4		3/4		3/4		3/4	4,732.80	3/4	4,376.75	3/4	4,019.34	3/4	3,661.73	3/4	3,304.13	3/4	2,946.52	3/4	2,588.74
11		11		11		11	4,725.41	11	4,369.32	11	4,011.89	11	3,654.28	11	3,296.68	11	2,939.07	11	2,581.28
1/4		1/4		1/4		1/4	4,718.02	1/4	4,361.89	1/4	4,004.44	1/4	3,646.83	1/4	3,289.23	1/4	2,931.62	1/4	2,573.83
1/2		1/2		1/2		1/2	4,710.63	1/2	4,354.47	1/2	3,996.99	1/2	3,639.38	1/2	3,281.78	1/2	2,924.17	1/2	2,566.38
3/4		3/4		3/4		3/4	4,703.24	3/4	4,347.04	3/4	3,989.54	3/4	3,631.93	3/4	3,274.33	3/4	2,916.72	3/4	2,558.92

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 CLOSED GAUGING DEVICE"
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 41'-0" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "HTCO 3128"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17' 3-3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,551.47	0	2,193.67	0	1,835.87	0	1,478.08	0	1,120.31	0	764.65	0	411.09	0	95.49	0		0	
1/4	2,544.01	1/4	2,186.22	1/4	1,828.42	1/4	1,470.62	1/4	1,112.87	1/4	757.22	1/4	404.05	1/4	89.38	1/4		1/4	
1/2	2,536.56	1/2	2,178.76	1/2	1,820.97	1/2	1,463.17	1/2	1,105.43	1/2	749.79	1/2	397.00	1/2	83.28	1/2		1/2	
3/4	2,529.11	3/4	2,171.31	3/4	1,813.51	3/4	1,455.72	3/4	1,098.01	3/4	742.33	3/4	390.04	3/4	77.26	3/4		3/4	
1	2,521.65	1	2,163.85	1	1,806.06	1	1,448.26	1	1,090.58	1	734.88	1	383.07	1	71.24	1		1	
1/4	2,514.20	1/4	2,156.40	1/4	1,798.60	1/4	1,440.81	1/4	1,083.16	1/4	727.43	1/4	376.11	1/4	65.21	1/4		1/4	
1/2	2,506.74	1/2	2,148.95	1/2	1,791.15	1/2	1,433.35	1/2	1,075.73	1/2	719.97	1/2	369.14	1/2	59.19	1/2		1/2	
3/4	2,499.29	3/4	2,141.49	3/4	1,783.70	3/4	1,425.90	3/4	1,068.32	3/4	712.52	3/4	362.25	3/4	53.72	3/4		3/4	
2	2,491.83	2	2,134.04	2	1,776.24	2	1,418.44	2	1,060.90	2	705.07	2	355.36	2	48.24	2		2	
1/4	2,484.38	1/4	2,126.58	1/4	1,768.79	1/4	1,410.99	1/4	1,053.48	1/4	697.61	1/4	348.47	1/4	42.77	1/4		1/4	
1/2	2,476.93	1/2	2,119.13	1/2	1,761.33	1/2	1,403.54	1/2	1,046.06	1/2	690.16	1/2	341.58	1/2	37.30	1/2		1/2	
3/4	2,469.47	3/4	2,111.68	3/4	1,753.88	3/4	1,396.08	3/4	1,038.65	3/4	682.70	3/4	334.77	3/4	33.30	3/4		3/4	
3	2,462.02	3	2,104.22	3	1,746.42	3	1,388.63	3	1,031.24	3	675.25	3	327.95	3	29.31	3		3	
1/4	2,454.56	1/4	2,096.77	1/4	1,738.97	1/4	1,381.17	1/4	1,023.83	1/4	667.80	1/4	321.13	1/4	25.31	1/4		1/4	
1/2	2,447.11	1/2	2,089.31	1/2	1,731.52	1/2	1,373.72	1/2	1,016.42	1/2	660.34	1/2	314.32	1/2	21.32	1/2		1/2	
3/4	2,439.66	3/4	2,081.86	3/4	1,724.06	3/4	1,366.27	3/4	1,009.01	3/4	652.89	3/4	307.58	3/4	18.41	3/4		3/4	
4	2,432.20	4	2,074.41	4	1,716.61	4	1,358.81	4	1,001.61	4	645.43	4	300.84	4		4		4	
1/4	2,424.75	1/4	2,066.95	1/4	1,709.15	1/4	1,351.36	1/4	994.20	1/4	637.98	1/4	294.11	1/4		1/4		1/4	
1/2	2,417.29	1/2	2,059.50	1/2	1,701.70	1/2	1,343.90	1/2	986.79	1/2	630.53	1/2	287.37	1/2		1/2		1/2	
3/4	2,409.84	3/4	2,052.04	3/4	1,694.25	3/4	1,336.45	3/4	979.39	3/4	623.07	3/4	280.71	3/4		3/4		3/4	
5	2,402.39	5	2,044.59	5	1,686.79	5	1,329.00	5	971.99	5	615.62	5	274.06	5		5		5	
1/4	2,394.93	1/4	2,037.13	1/4	1,679.34	1/4	1,321.54	1/4	964.58	1/4	608.16	1/4	267.40	1/4		1/4		1/4	
1/2	2,387.48	1/2	2,029.68	1/2	1,671.88	1/2	1,314.09	1/2	957.18	1/2	600.71	1/2	260.75	1/2		1/2		1/2	
3/4	2,380.02	3/4	2,022.23	3/4	1,664.43	3/4	1,306.63	3/4	949.78	3/4	593.26	3/4	254.17	3/4		3/4		3/4	
6	2,372.57	6	2,014.77	6	1,656.98	6	1,299.18	6	942.37	6	585.80	6	247.60	6		6		6	
1/4	2,365.12	1/4	2,007.32	1/4	1,649.52	1/4	1,291.72	1/4	934.97	1/4	578.35	1/4	241.02	1/4		1/4		1/4	
1/2	2,357.66	1/2	1,999.86	1/2	1,642.07	1/2	1,284.27	1/2	927.57	1/2	570.90	1/2	234.45	1/2		1/2		1/2	
3/4	2,350.21	3/4	1,992.41	3/4	1,634.61	3/4	1,276.82	3/4	920.16	3/4	563.46	3/4	227.95	3/4		3/4		3/4	
7	2,342.75	7	1,984.96	7	1,627.16	7	1,269.36	7	912.76	7	556.03	7	221.46	7		7		7	
1/4	2,335.30	1/4	1,977.50	1/4	1,619.71	1/4	1,261.91	1/4	905.36	1/4	548.60	1/4	214.97	1/4		1/4		1/4	
1/2	2,327.84	1/2	1,970.05	1/2	1,612.25	1/2	1,254.45	1/2	897.95	1/2	541.17	1/2	208.48	1/2		1/2		1/2	
3/4	2,320.39	3/4	1,962.59	3/4	1,604.80	3/4	1,247.00	3/4	890.55	3/4	533.80	3/4	202.06	3/4		3/4		3/4	
8	2,312.94	8	1,955.14	8	1,597.34	8	1,239.55	8	883.15	8	526.43	8	195.65	8		8		8	
1/4	2,305.48	1/4	1,947.69	1/4	1,589.89	1/4	1,232.09	1/4	875.74	1/4	519.06	1/4	189.24	1/4		1/4		1/4	
1/2	2,298.03	1/2	1,940.23	1/2	1,582.43	1/2	1,224.64	1/2	868.34	1/2	511.69	1/2	182.83	1/2		1/2		1/2	
3/4	2,290.57	3/4	1,932.78	3/4	1,574.98	3/4	1,217.18	3/4	860.94	3/4	504.40	3/4	176.49	3/4		3/4		3/4	
9	2,283.12	9	1,925.32	9	1,567.53	9	1,209.73	9	853.54	9	497.11	9	170.15	9		9		9	
1/4	2,275.67	1/4	1,917.87	1/4	1,560.07	1/4	1,202.28	1/4	846.13	1/4	489.82	1/4	163.82	1/4		1/4		1/4	
1/2	2,268.21	1/2	1,910.42	1/2	1,552.62	1/2	1,194.82	1/2	838.73	1/2	482.53	1/2	157.48	1/2		1/2		1/2	
3/4	2,260.76	3/4	1,902.96	3/4	1,545.16	3/4	1,187.37	3/4	831.33	3/4	475.32	3/4	151.22	3/4		3/4		3/4	
10	2,253.30	10	1,895.51	10	1,537.71	10	1,179.91	10	823.92	10	468.11	10	144.95	10		10		10	
1/4	2,245.85	1/4	1,888.05	1/4	1,530.26	1/4	1,172.46	1/4	816.52	1/4	460.91	1/4	138.69	1/4		1/4		1/4	
1/2	2,238.40	1/2	1,880.60	1/2	1,522.80	1/2	1,165.01	1/2	809.12	1/2	453.70	1/2	132.43	1/2		1/2		1/2	
3/4	2,230.94	3/4	1,873.14	3/4	1,515.35	3/4	1,157.55	3/4	801.71	3/4	446.57	3/4	126.24	3/4		3/4		3/4	
11	2,223.49	11	1,865.69	11	1,507.89	11	1,150.10	11	794.31	11	439.44	11	120.06	11		11		11	
1/4	2,216.03	1/4	1,858.24	1/4	1,500.44	1/4	1,142.64	1/4	786.91	1/4	432.31	1/4	113.87	1/4		1/4		1/4	
1/2	2,208.58	1/2	1,850.78	1/2	1,492.99	1/2	1,135.19	1/2	779.50	1/2	425.19	1/2	107.69	1/2		1/2		1/2	
3/4	2,201.13	3/4	1,843.33	3/4	1,485.53	3/4	1,127.75	3/4	772.07	3/4	418.14	3/4	101.59	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/12/2014 CL
RECALCULATED: 04/22/2019 SW
VERIFIED: 03/27/2024 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2024



BARGE "HTCO 3128"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17' 3-3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,699.24	0	4,342.87	0	3,985.22	0	3,627.49	0	3,269.76	0	2,912.04
1/4		1/4		1/4		1/4		1/4	4,691.85	1/4	4,335.44	1/4	3,977.77	1/4	3,620.04	1/4	3,262.31	1/4	2,904.59
1/2		1/2		1/2		1/2		1/2	4,684.46	1/2	4,328.01	1/2	3,970.32	1/2	3,612.59	1/2	3,254.86	1/2	2,897.13
3/4		3/4		3/4		3/4		3/4	4,677.07	3/4	4,320.56	3/4	3,962.86	3/4	3,605.13	3/4	3,247.40	3/4	2,889.68
1		1		1		1		1	4,669.67	1	4,313.12	1	3,955.41	1	3,597.68	1	3,239.95	1	2,882.22
1/4		1/4		1/4		1/4	5,005.45	1/4	4,662.28	1/4	4,305.68	1/4	3,947.96	1/4	3,590.23	1/4	3,232.50	1/4	2,874.76
1/2		1/2		1/2		1/2	5,000.72	1/2	4,654.89	1/2	4,298.24	1/2	3,940.51	1/2	3,582.78	1/2	3,225.05	1/2	2,867.31
3/4		3/4		3/4		3/4	4,994.92	3/4	4,647.48	3/4	4,290.78	3/4	3,933.05	3/4	3,575.32	3/4	3,217.59	3/4	2,859.85
2		2		2		2	4,989.12	2	4,640.07	2	4,283.33	2	3,925.60	2	3,567.87	2	3,210.14	2	2,852.39
1/4		1/4		1/4		1/4	4,983.33	1/4	4,632.66	1/4	4,275.88	1/4	3,918.15	1/4	3,560.42	1/4	3,202.69	1/4	2,844.94
1/2		1/2		1/2		1/2	4,977.53	1/2	4,625.25	1/2	4,268.42	1/2	3,910.70	1/2	3,552.97	1/2	3,195.24	1/2	2,837.48
3/4		3/4		3/4		3/4	4,970.73	3/4	4,617.82	3/4	4,260.97	3/4	3,903.24	3/4	3,545.51	3/4	3,187.78	3/4	2,830.02
3		3		3		3	4,963.94	3	4,610.38	3	4,253.52	3	3,895.79	3	3,538.06	3	3,180.33	3	2,822.57
1/4		1/4		1/4		1/4	4,957.14	1/4	4,602.95	1/4	4,246.07	1/4	3,888.34	1/4	3,530.61	1/4	3,172.88	1/4	2,815.11
1/2		1/2		1/2		1/2	4,950.35	1/2	4,595.52	1/2	4,238.61	1/2	3,880.88	1/2	3,523.15	1/2	3,165.43	1/2	2,807.65
3/4		3/4		3/4		3/4	4,943.02	3/4	4,588.09	3/4	4,231.16	3/4	3,873.43	3/4	3,515.70	3/4	3,157.97	3/4	2,800.20
4		4		4		4	4,935.69	4	4,580.66	4	4,223.71	4	3,865.98	4	3,508.25	4	3,150.52	4	2,792.74
1/4		1/4		1/4		1/4	4,928.36	1/4	4,573.23	1/4	4,216.26	1/4	3,858.53	1/4	3,500.80	1/4	3,143.07	1/4	2,785.28
1/2		1/2		1/2		1/2	4,921.04	1/2	4,565.80	1/2	4,208.80	1/2	3,851.07	1/2	3,493.34	1/2	3,135.61	1/2	2,777.83
3/4		3/4		3/4		3/4	4,913.64	3/4	4,558.37	3/4	4,201.35	3/4	3,843.62	3/4	3,485.89	3/4	3,128.16	3/4	2,770.37
5		5		5		5	4,906.24	5	4,550.94	5	4,193.90	5	3,836.17	5	3,478.44	5	3,120.71	5	2,762.91
1/4		1/4		1/4		1/4	4,898.85	1/4	4,543.51	1/4	4,186.45	1/4	3,828.72	1/4	3,470.99	1/4	3,113.26	1/4	2,755.46
1/2		1/2		1/2		1/2	4,891.45	1/2	4,536.07	1/2	4,178.99	1/2	3,821.26	1/2	3,463.53	1/2	3,105.80	1/2	2,748.00
3/4		3/4		3/4		3/4	4,884.06	3/4	4,528.64	3/4	4,171.54	3/4	3,813.81	3/4	3,456.08	3/4	3,098.35	3/4	2,740.54
6		6		6		6	4,876.66	6	4,521.21	6	4,164.09	6	3,806.36	6	3,448.63	6	3,090.90	6	2,733.09
1/4		1/4		1/4		1/4	4,869.27	1/4	4,513.78	1/4	4,156.63	1/4	3,798.90	1/4	3,441.18	1/4	3,083.45	1/4	2,725.63
1/2		1/2		1/2		1/2	4,861.87	1/2	4,506.35	1/2	4,149.18	1/2	3,791.45	1/2	3,433.72	1/2	3,075.99	1/2	2,718.17
3/4		3/4		3/4		3/4	4,854.48	3/4	4,498.92	3/4	4,141.73	3/4	3,784.00	3/4	3,426.27	3/4	3,068.54	3/4	2,710.71
7		7		7		7	4,847.08	7	4,491.49	7	4,134.28	7	3,776.55	7	3,418.82	7	3,061.09	7	2,703.26
1/4		1/4		1/4		1/4	4,839.69	1/4	4,484.06	1/4	4,126.82	1/4	3,769.09	1/4	3,411.36	1/4	3,053.63	1/4	2,695.80
1/2		1/2		1/2		1/2	4,832.29	1/2	4,476.63	1/2	4,119.37	1/2	3,761.64	1/2	3,403.91	1/2	3,046.18	1/2	2,688.34
3/4		3/4		3/4		3/4	4,824.90	3/4	4,469.20	3/4	4,111.92	3/4	3,754.19	3/4	3,396.46	3/4	3,038.73	3/4	2,680.89
8		8		8		8	4,817.50	8	4,461.76	8	4,104.47	8	3,746.74	8	3,389.01	8	3,031.28	8	2,673.43
1/4		1/4		1/4		1/4	4,810.11	1/4	4,454.33	1/4	4,097.01	1/4	3,739.28	1/4	3,381.55	1/4	3,023.82	1/4	2,665.97
1/2		1/2		1/2		1/2	4,802.72	1/2	4,446.90	1/2	4,089.56	1/2	3,731.83	1/2	3,374.10	1/2	3,016.37	1/2	2,658.52
3/4		3/4		3/4		3/4	4,795.33	3/4	4,439.47	3/4	4,082.11	3/4	3,724.38	3/4	3,366.65	3/4	3,008.92	3/4	2,651.06
9		9		9		9	4,787.94	9	4,432.04	9	4,074.65	9	3,716.92	9	3,359.20	9	3,001.47	9	2,643.60
1/4		1/4		1/4		1/4	4,780.54	1/4	4,424.61	1/4	4,067.20	1/4	3,709.47	1/4	3,351.74	1/4	2,994.01	1/4	2,636.15
1/2		1/2		1/2		1/2	4,773.15	1/2	4,417.18	1/2	4,059.75	1/2	3,702.02	1/2	3,344.29	1/2	2,986.56	1/2	2,628.69
3/4		3/4		3/4		3/4	4,765.76	3/4	4,409.75	3/4	4,052.30	3/4	3,694.57	3/4	3,336.84	3/4	2,979.11	3/4	2,621.23
10		10		10		10	4,758.37	10	4,402.32	10	4,044.84	10	3,687.11	10	3,329.38	10	2,971.65	10	2,613.78
1/4		1/4		1/4		1/4	4,750.98	1/4	4,394.89	1/4	4,037.39	1/4	3,679.66	1/4	3,321.93	1/4	2,964.20	1/4	2,606.32
1/2		1/2		1/2		1/2	4,743.59	1/2	4,387.45	1/2	4,029.94	1/2	3,672.21	1/2	3,314.48	1/2	2,956.75	1/2	2,598.86
3/4		3/4		3/4		3/4	4,736.20	3/4	4,380.02	3/4	4,022.49	3/4	3,664.76	3/4	3,307.03	3/4	2,949.30	3/4	2,591.41
11		11		11		11	4,728.80	11	4,372.59	11	4,015.03	11	3,657.30	11	3,299.57	11	2,941.84	11	2,583.95
1/4		1/4		1/4		1/4	4,721.41	1/4	4,365.16	1/4	4,007.58	1/4	3,649.85	1/4	3,292.12	1/4	2,934.39	1/4	2,576.49
1/2		1/2		1/2		1/2	4,714.02	1/2	4,357.73	1/2	4,000.13	1/2	3,642.40	1/2	3,284.67	1/2	2,926.94	1/2	2,569.04
3/4		3/4		3/4		3/4	4,706.63	3/4	4,350.30	3/4	3,992.67	3/4	3,634.95	3/4	3,277.22	3/4	2,919.49	3/4	2,561.58

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 CLOSED GAUGING DEVICE"
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 41'-0" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3128"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17' 3-3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,554.12	0	2,196.20	0	1,838.27	0	1,480.34	0	1,122.42	0	764.98	0	411.32	0	95.55	0		0	
1/4	2,546.67	1/4	2,188.74	1/4	1,830.81	1/4	1,472.89	1/4	1,114.96	1/4	757.53	1/4	404.27	1/4	89.44	1/4		1/4	
1/2	2,539.21	1/2	2,181.28	1/2	1,823.36	1/2	1,465.43	1/2	1,107.50	1/2	750.08	1/2	397.22	1/2	83.33	1/2		1/2	
3/4	2,531.75	3/4	2,173.83	3/4	1,815.90	3/4	1,457.97	3/4	1,100.05	3/4	742.62	3/4	390.25	3/4	77.31	3/4		3/4	
1	2,524.29	1	2,166.37	1	1,808.44	1	1,450.52	1	1,092.59	1	735.16	1	383.28	1	71.28	1		1	
1/4	2,516.84	1/4	2,158.91	1/4	1,800.99	1/4	1,443.06	1/4	1,085.13	1/4	727.71	1/4	376.31	1/4	65.26	1/4		1/4	
1/2	2,509.38	1/2	2,151.45	1/2	1,793.53	1/2	1,435.60	1/2	1,077.68	1/2	720.25	1/2	369.35	1/2	59.23	1/2		1/2	
3/4	2,501.92	3/4	2,144.00	3/4	1,786.07	3/4	1,428.15	3/4	1,070.22	3/4	712.79	3/4	362.45	3/4	53.75	3/4		3/4	
2	2,494.47	2	2,136.54	2	1,778.61	2	1,420.69	2	1,062.77	2	705.34	2	355.56	2	48.27	2		2	
1/4	2,487.01	1/4	2,129.08	1/4	1,771.16	1/4	1,413.23	1/4	1,055.32	1/4	697.88	1/4	348.67	1/4	42.80	1/4		1/4	
1/2	2,479.55	1/2	2,121.63	1/2	1,763.70	1/2	1,405.77	1/2	1,047.86	1/2	690.42	1/2	341.77	1/2	37.32	1/2		1/2	
3/4	2,472.10	3/4	2,114.17	3/4	1,756.24	3/4	1,398.32	3/4	1,040.41	3/4	682.97	3/4	334.95	3/4	33.32	3/4		3/4	
3	2,464.64	3	2,106.71	3	1,748.79	3	1,390.86	3	1,032.96	3	675.51	3	328.13	3	29.32	3		3	
1/4	2,457.18	1/4	2,099.26	1/4	1,741.33	1/4	1,383.40	1/4	1,025.51	1/4	668.05	1/4	321.31	1/4	25.32	1/4		1/4	
1/2	2,449.73	1/2	2,091.80	1/2	1,733.87	1/2	1,375.95	1/2	1,018.06	1/2	660.60	1/2	314.49	1/2	21.33	1/2		1/2	
3/4	2,442.27	3/4	2,084.34	3/4	1,726.42	3/4	1,368.49	3/4	1,010.61	3/4	653.14	3/4	307.75	3/4	18.41	3/4		3/4	
4	2,434.81	4	2,076.89	4	1,718.96	4	1,361.03	4	1,003.17	4	645.68	4	301.01	4		4		4	
1/4	2,427.36	1/4	2,069.43	1/4	1,711.50	1/4	1,353.58	1/4	995.72	1/4	638.23	1/4	294.27	1/4		1/4		1/4	
1/2	2,419.90	1/2	2,061.97	1/2	1,704.05	1/2	1,346.12	1/2	988.28	1/2	630.77	1/2	287.54	1/2		1/2		1/2	
3/4	2,412.44	3/4	2,054.52	3/4	1,696.59	3/4	1,338.66	3/4	980.83	3/4	623.31	3/4	280.88	3/4		3/4		3/4	
5	2,404.99	5	2,047.06	5	1,689.13	5	1,331.21	5	973.39	5	615.86	5	274.22	5		5		5	
1/4	2,397.53	1/4	2,039.60	1/4	1,681.68	1/4	1,323.75	1/4	965.95	1/4	608.40	1/4	267.56	1/4		1/4		1/4	
1/2	2,390.07	1/2	2,032.15	1/2	1,674.22	1/2	1,316.29	1/2	958.50	1/2	600.94	1/2	260.90	1/2		1/2		1/2	
3/4	2,382.62	3/4	2,024.69	3/4	1,666.76	3/4	1,308.84	3/4	951.06	3/4	593.49	3/4	254.32	3/4		3/4		3/4	
6	2,375.16	6	2,017.23	6	1,659.31	6	1,301.38	6	943.62	6	586.03	6	247.74	6		6		6	
1/4	2,367.70	1/4	2,009.78	1/4	1,651.85	1/4	1,293.92	1/4	936.17	1/4	578.57	1/4	241.16	1/4		1/4		1/4	
1/2	2,360.25	1/2	2,002.32	1/2	1,644.39	1/2	1,286.47	1/2	928.73	1/2	571.12	1/2	234.59	1/2		1/2		1/2	
3/4	2,352.79	3/4	1,994.86	3/4	1,636.94	3/4	1,279.01	3/4	921.29	3/4	563.69	3/4	228.09	3/4		3/4		3/4	
7	2,345.33	7	1,987.41	7	1,629.48	7	1,271.55	7	913.85	7	556.26	7	221.59	7		7		7	
1/4	2,337.87	1/4	1,979.95	1/4	1,622.02	1/4	1,264.10	1/4	906.40	1/4	548.83	1/4	215.10	1/4		1/4		1/4	
1/2	2,330.42	1/2	1,972.49	1/2	1,614.57	1/2	1,256.64	1/2	898.96	1/2	541.40	1/2	208.60	1/2		1/2		1/2	
3/4	2,322.96	3/4	1,965.03	3/4	1,607.11	3/4	1,249.18	3/4	891.52	3/4	534.03	3/4	202.18	3/4		3/4		3/4	
8	2,315.50	8	1,957.58	8	1,599.65	8	1,241.73	8	884.07	8	526.67	8	195.77	8		8		8	
1/4	2,308.05	1/4	1,950.12	1/4	1,592.19	1/4	1,234.27	1/4	876.63	1/4	519.30	1/4	189.35	1/4		1/4		1/4	
1/2	2,300.59	1/2	1,942.66	1/2	1,584.74	1/2	1,226.81	1/2	869.19	1/2	511.94	1/2	182.94	1/2		1/2		1/2	
3/4	2,293.13	3/4	1,935.21	3/4	1,577.28	3/4	1,219.35	3/4	861.75	3/4	504.65	3/4	176.60	3/4		3/4		3/4	
9	2,285.68	9	1,927.75	9	1,569.82	9	1,211.90	9	854.30	9	497.36	9	170.26	9		9		9	
1/4	2,278.22	1/4	1,920.29	1/4	1,562.37	1/4	1,204.44	1/4	846.86	1/4	490.07	1/4	163.92	1/4		1/4		1/4	
1/2	2,270.76	1/2	1,912.84	1/2	1,554.91	1/2	1,196.98	1/2	839.42	1/2	482.78	1/2	157.58	1/2		1/2		1/2	
3/4	2,263.31	3/4	1,905.38	3/4	1,547.45	3/4	1,189.53	3/4	831.97	3/4	475.57	3/4	151.31	3/4		3/4		3/4	
10	2,255.85	10	1,897.92	10	1,540.00	10	1,182.07	10	824.53	10	468.36	10	145.04	10		10		10	
1/4	2,248.39	1/4	1,890.47	1/4	1,532.54	1/4	1,174.61	1/4	817.09	1/4	461.15	1/4	138.77	1/4		1/4		1/4	
1/2	2,240.94	1/2	1,883.01	1/2	1,525.08	1/2	1,167.16	1/2	809.65	1/2	453.94	1/2	132.51	1/2		1/2		1/2	
3/4	2,233.48	3/4	1,875.55	3/4	1,517.63	3/4	1,159.70	3/4	802.20	3/4	446.81	3/4	126.32	3/4		3/4		3/4	
11	2,226.02	11	1,868.10	11	1,510.17	11	1,152.24	11	794.76	11	439.67	11	120.13	11		11		11	
1/4	2,218.57	1/4	1,860.64	1/4	1,502.71	1/4	1,144.79	1/4	787.32	1/4	432.54	1/4	113.95	1/4		1/4		1/4	
1/2	2,211.11	1/2	1,853.18	1/2	1,495.26	1/2	1,137.33	1/2	779.87	1/2	425.41	1/2	107.76	1/2		1/2		1/2	
3/4	2,203.65	3/4	1,845.73	3/4	1,487.80	3/4	1,129.87	3/4	772.42	3/4	418.36	3/4	101.65	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/12/2014 CL
RECALCULATED: 04/22/2019 SW
VERIFIED: 03/27/2024 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2024



BARGE "HTCO 3128"

2 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 17' 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	4,777.92	0	4,420.49	0	4,061.77	0	3,702.94	0	3,344.12	0	2,985.30
1/4		1/4		1/4		1/4		1/4	4,770.51	1/4	4,413.04	1/4	4,054.29	1/4	3,695.47	1/4	3,336.64	1/4	2,977.82
1/2		1/2		1/2		1/2		1/2	4,763.09	1/2	4,405.59	1/2	4,046.82	1/2	3,687.99	1/2	3,329.17	1/2	2,970.34
3/4		3/4		3/4		3/4		3/4	4,755.68	3/4	4,398.13	3/4	4,039.34	3/4	3,680.52	3/4	3,321.69	3/4	2,962.87
1		1		1		1		1	4,748.27	1	4,390.66	1	4,031.87	1	3,673.04	1	3,314.22	1	2,955.39
1/4		1/4		1/4		1/4		1/4	4,740.85	1/4	4,383.20	1/4	4,024.39	1/4	3,665.57	1/4	3,306.74	1/4	2,947.91
1/2		1/2		1/2		1/2	5,077.68	1/2	4,733.44	1/2	4,375.73	1/2	4,016.92	1/2	3,658.09	1/2	3,299.27	1/2	2,940.43
3/4		3/4		3/4		3/4	5,072.93	3/4	4,726.02	3/4	4,368.26	3/4	4,009.44	3/4	3,650.62	3/4	3,291.79	3/4	2,932.95
2		2		2		2	5,067.12	2	4,718.59	2	4,360.79	2	4,001.96	2	3,643.14	2	3,284.32	2	2,925.47
1/4		1/4		1/4		1/4	5,061.30	1/4	4,711.16	1/4	4,353.31	1/4	3,994.49	1/4	3,635.66	1/4	3,276.84	1/4	2,917.99
1/2		1/2		1/2		1/2	5,055.49	1/2	4,703.72	1/2	4,345.84	1/2	3,987.01	1/2	3,628.19	1/2	3,269.37	1/2	2,910.51
3/4		3/4		3/4		3/4	5,049.67	3/4	4,696.29	3/4	4,338.36	3/4	3,979.54	3/4	3,620.71	3/4	3,261.89	3/4	2,903.03
3		3		3		3	5,042.85	3	4,688.83	3	4,330.89	3	3,972.06	3	3,613.24	3	3,254.41	3	2,895.55
1/4		1/4		1/4		1/4	5,036.04	1/4	4,681.38	1/4	4,323.41	1/4	3,964.59	1/4	3,605.76	1/4	3,246.94	1/4	2,888.07
1/2		1/2		1/2		1/2	5,029.22	1/2	4,673.93	1/2	4,315.93	1/2	3,957.11	1/2	3,598.29	1/2	3,239.46	1/2	2,880.59
3/4		3/4		3/4		3/4	5,022.40	3/4	4,666.47	3/4	4,308.46	3/4	3,949.64	3/4	3,590.81	3/4	3,231.99	3/4	2,873.11
4		4		4		4	5,015.05	4	4,659.02	4	4,300.98	4	3,942.16	4	3,583.34	4	3,224.51	4	2,865.63
1/4		1/4		1/4		1/4	5,007.69	1/4	4,651.56	1/4	4,293.51	1/4	3,934.68	1/4	3,575.86	1/4	3,217.04	1/4	2,858.15
1/2		1/2		1/2		1/2	5,000.34	1/2	4,644.11	1/2	4,286.03	1/2	3,927.21	1/2	3,568.39	1/2	3,209.56	1/2	2,850.67
3/4		3/4		3/4		3/4	4,992.99	3/4	4,636.66	3/4	4,278.56	3/4	3,919.73	3/4	3,560.91	3/4	3,202.09	3/4	2,843.20
5		5		5		5	4,985.57	5	4,629.20	5	4,271.08	5	3,912.26	5	3,553.43	5	3,194.61	5	2,835.72
1/4		1/4		1/4		1/4	4,978.15	1/4	4,621.75	1/4	4,263.61	1/4	3,904.78	1/4	3,545.96	1/4	3,187.13	1/4	2,828.24
1/2		1/2		1/2		1/2	4,970.74	1/2	4,614.30	1/2	4,256.13	1/2	3,897.31	1/2	3,538.48	1/2	3,179.66	1/2	2,820.76
3/4		3/4		3/4		3/4	4,963.32	3/4	4,606.84	3/4	4,248.66	3/4	3,889.83	3/4	3,531.01	3/4	3,172.18	3/4	2,813.28
6		6		6		6	4,955.90	6	4,599.39	6	4,241.18	6	3,882.36	6	3,523.53	6	3,164.71	6	2,805.80
1/4		1/4		1/4		1/4	4,948.48	1/4	4,591.93	1/4	4,233.70	1/4	3,874.88	1/4	3,516.06	1/4	3,157.23	1/4	2,798.32
1/2		1/2		1/2		1/2	4,941.06	1/2	4,584.48	1/2	4,226.23	1/2	3,867.41	1/2	3,508.58	1/2	3,149.76	1/2	2,790.84
3/4		3/4		3/4		3/4	4,933.64	3/4	4,577.03	3/4	4,218.75	3/4	3,859.93	3/4	3,501.11	3/4	3,142.28	3/4	2,783.36
7		7		7		7	4,926.23	7	4,569.57	7	4,211.28	7	3,852.45	7	3,493.63	7	3,134.81	7	2,775.88
1/4		1/4		1/4		1/4	4,918.81	1/4	4,562.12	1/4	4,203.80	1/4	3,844.98	1/4	3,486.15	1/4	3,127.33	1/4	2,768.40
1/2		1/2		1/2		1/2	4,911.39	1/2	4,554.66	1/2	4,196.33	1/2	3,837.50	1/2	3,478.68	1/2	3,119.86	1/2	2,760.92
3/4		3/4		3/4		3/4	4,903.97	3/4	4,547.21	3/4	4,188.85	3/4	3,830.03	3/4	3,471.20	3/4	3,112.38	3/4	2,753.44
8		8		8		8	4,896.56	8	4,539.76	8	4,181.38	8	3,822.55	8	3,463.73	8	3,104.90	8	2,745.96
1/4		1/4		1/4		1/4	4,889.14	1/4	4,532.30	1/4	4,173.90	1/4	3,815.08	1/4	3,456.25	1/4	3,097.43	1/4	2,738.48
1/2		1/2		1/2		1/2	4,881.72	1/2	4,524.85	1/2	4,166.43	1/2	3,807.60	1/2	3,448.78	1/2	3,089.95	1/2	2,731.00
3/4		3/4		3/4		3/4	4,874.31	3/4	4,517.39	3/4	4,158.95	3/4	3,800.13	3/4	3,441.30	3/4	3,082.48	3/4	2,723.52
9		9		9		9	4,866.89	9	4,509.94	9	4,151.47	9	3,792.65	9	3,433.83	9	3,075.00	9	2,716.04
1/4		1/4		1/4		1/4	4,859.48	1/4	4,502.49	1/4	4,144.00	1/4	3,785.17	1/4	3,426.35	1/4	3,067.53	1/4	2,708.56
1/2		1/2		1/2		1/2	4,852.06	1/2	4,495.03	1/2	4,136.52	1/2	3,777.70	1/2	3,418.88	1/2	3,060.05	1/2	2,701.08
3/4		3/4		3/4		3/4	4,844.65	3/4	4,487.58	3/4	4,129.05	3/4	3,770.22	3/4	3,411.40	3/4	3,052.58	3/4	2,693.60
10		10		10		10	4,837.24	10	4,480.12	10	4,121.57	10	3,762.75	10	3,403.92	10	3,045.10	10	2,686.12
1/4		1/4		1/4		1/4	4,829.82	1/4	4,472.67	1/4	4,114.10	1/4	3,755.27	1/4	3,396.45	1/4	3,037.62	1/4	2,678.64
1/2		1/2		1/2		1/2	4,822.41	1/2	4,465.22	1/2	4,106.62	1/2	3,747.80	1/2	3,388.97	1/2	3,030.15	1/2	2,671.16
3/4		3/4		3/4		3/4	4,814.99	3/4	4,457.76	3/4	4,099.15	3/4	3,740.32	3/4	3,381.50	3/4	3,022.67	3/4	2,663.68
11		11		11		11	4,807.58	11	4,450.31	11	4,091.67	11	3,732.85	11	3,374.02	11	3,015.20	11	2,656.21
1/4		1/4		1/4		1/4	4,800.17	1/4	4,442.86	1/4	4,084.19	1/4	3,725.37	1/4	3,366.55	1/4	3,007.72	1/4	2,648.73
1/2		1/2		1/2		1/2	4,792.75	1/2	4,435.40	1/2	4,076.72	1/2	3,717.90	1/2	3,359.07	1/2	3,000.25	1/2	2,641.25
3/4		3/4		3/4		3/4	4,785.34	3/4	4,427.95	3/4	4,069.24	3/4	3,710.42	3/4	3,351.60	3/4	2,992.77	3/4	2,633.77

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 CLOSED GAUGING DEVICE"
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 41'-0" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3128"

2 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 17' 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	2,626.29	0	2,267.27	0	1,908.25	0	1,549.22	0	1,190.34	0	845.08	0	486.53	0	127.51	0		0	
1/4	2,618.81	1/4	2,259.79	1/4	1,900.77	1/4	1,541.74	1/4	1,183.01	1/4	837.75	1/4	479.05	1/4	120.03	1/4		1/4	
1/2	2,611.33	1/2	2,252.31	1/2	1,893.29	1/2	1,534.27	1/2	1,175.67	1/2	830.42	1/2	471.57	1/2	112.56	1/2		1/2	
3/4	2,603.85	3/4	2,244.83	3/4	1,885.81	3/4	1,526.79	3/4	1,168.33	3/4	823.10	3/4	464.09	3/4	105.08	3/4		3/4	
1	2,596.37	1	2,237.35	1	1,878.33	1	1,519.31	1	1,161.13	1	815.62	1	456.61	1	97.60	1		1	
1/4	2,588.89	1/4	2,229.87	1/4	1,870.85	1/4	1,511.83	1/4	1,153.94	1/4	808.14	1/4	449.13	1/4	90.12	1/4		1/4	
1/2	2,581.41	1/2	2,222.39	1/2	1,863.37	1/2	1,504.35	1/2	1,146.74	1/2	800.66	1/2	441.65	1/2	82.64	1/2		1/2	
3/4	2,573.93	3/4	2,214.91	3/4	1,855.89	3/4	1,496.87	3/4	1,139.54	3/4	793.18	3/4	434.17	3/4	75.16	3/4		3/4	
2	2,566.45	2	2,207.43	2	1,848.41	2	1,489.39	2	1,132.35	2	785.70	2	426.69	2	68.15	2		2	
1/4	2,558.97	1/4	2,199.95	1/4	1,840.93	1/4	1,481.91	1/4	1,125.16	1/4	778.22	1/4	419.21	1/4	61.13	1/4		1/4	
1/2	2,551.49	1/2	2,192.47	1/2	1,833.45	1/2	1,474.43	1/2	1,117.97	1/2	770.74	1/2	411.73	1/2	54.12	1/2		1/2	
3/4	2,544.01	3/4	2,184.99	3/4	1,825.97	3/4	1,466.95	3/4	1,110.78	3/4	763.26	3/4	404.25	3/4	47.11	3/4		3/4	
3	2,536.53	3	2,177.51	3	1,818.49	3	1,459.47	3	1,103.60	3	755.78	3	396.77	3	41.50	3		3	
1/4	2,529.05	1/4	2,170.03	1/4	1,811.01	1/4	1,451.99	1/4	1,096.41	1/4	748.30	1/4	389.29	1/4	35.89	1/4		1/4	
1/2	2,521.57	1/2	2,162.55	1/2	1,803.53	1/2	1,444.51	1/2	1,089.23	1/2	740.82	1/2	381.81	1/2	30.28	1/2		1/2	
3/4	2,514.09	3/4	2,155.07	3/4	1,796.05	3/4	1,437.03	3/4	1,082.05	3/4	733.35	3/4	374.33	3/4	24.67	3/4		3/4	
4	2,506.61	4	2,147.59	4	1,788.57	4	1,429.55	4	1,074.87	4	725.87	4	366.85	4	20.93	4		4	
1/4	2,499.13	1/4	2,140.11	1/4	1,781.09	1/4	1,422.07	1/4	1,067.69	1/4	718.39	1/4	359.38	1/4		1/4		1/4	
1/2	2,491.65	1/2	2,132.63	1/2	1,773.61	1/2	1,414.59	1/2	1,060.51	1/2	710.91	1/2	351.90	1/2		1/2		1/2	
3/4	2,484.17	3/4	2,125.15	3/4	1,766.13	3/4	1,407.11	3/4	1,053.33	3/4	703.43	3/4	344.42	3/4		3/4		3/4	
5	2,476.69	5	2,117.67	5	1,758.65	5	1,399.63	5	1,046.15	5	695.95	5	336.94	5		5		5	
1/4	2,469.22	1/4	2,110.19	1/4	1,751.17	1/4	1,392.15	1/4	1,038.98	1/4	688.47	1/4	329.46	1/4		1/4		1/4	
1/2	2,461.74	1/2	2,102.71	1/2	1,743.69	1/2	1,384.67	1/2	1,031.80	1/2	680.99	1/2	321.98	1/2		1/2		1/2	
3/4	2,454.26	3/4	2,095.24	3/4	1,736.21	3/4	1,377.19	3/4	1,024.63	3/4	673.51	3/4	314.50	3/4		3/4		3/4	
6	2,446.78	6	2,087.76	6	1,728.73	6	1,369.71	6	1,017.45	6	666.03	6	307.02	6		6		6	
1/4	2,439.30	1/4	2,080.28	1/4	1,721.26	1/4	1,362.23	1/4	1,010.27	1/4	658.55	1/4	299.54	1/4		1/4		1/4	
1/2	2,431.82	1/2	2,072.80	1/2	1,713.78	1/2	1,354.75	1/2	1,003.10	1/2	651.07	1/2	292.06	1/2		1/2		1/2	
3/4	2,424.34	3/4	2,065.32	3/4	1,706.30	3/4	1,347.28	3/4	995.92	3/4	643.59	3/4	284.58	3/4		3/4		3/4	
7	2,416.86	7	2,057.84	7	1,698.82	7	1,339.80	7	988.75	7	636.11	7	277.10	7		7		7	
1/4	2,409.38	1/4	2,050.36	1/4	1,691.34	1/4	1,332.32	1/4	981.57	1/4	628.63	1/4	269.62	1/4		1/4		1/4	
1/2	2,401.90	1/2	2,042.88	1/2	1,683.86	1/2	1,324.84	1/2	974.39	1/2	621.15	1/2	262.14	1/2		1/2		1/2	
3/4	2,394.42	3/4	2,035.40	3/4	1,676.38	3/4	1,317.36	3/4	967.22	3/4	613.68	3/4	254.66	3/4		3/4		3/4	
8	2,386.94	8	2,027.92	8	1,668.90	8	1,309.88	8	960.04	8	606.20	8	247.18	8		8		8	
1/4	2,379.46	1/4	2,020.44	1/4	1,661.42	1/4	1,302.40	1/4	952.87	1/4	598.72	1/4	239.71	1/4		1/4		1/4	
1/2	2,371.98	1/2	2,012.96	1/2	1,653.94	1/2	1,294.92	1/2	945.69	1/2	591.24	1/2	232.23	1/2		1/2		1/2	
3/4	2,364.50	3/4	2,005.48	3/4	1,646.46	3/4	1,287.44	3/4	938.51	3/4	583.76	3/4	224.75	3/4		3/4		3/4	
9	2,357.02	9	1,998.00	9	1,638.98	9	1,279.96	9	931.34	9	576.28	9	217.27	9		9		9	
1/4	2,349.54	1/4	1,990.52	1/4	1,631.50	1/4	1,272.48	1/4	924.16	1/4	568.80	1/4	209.79	1/4		1/4		1/4	
1/2	2,342.06	1/2	1,983.04	1/2	1,624.02	1/2	1,265.00	1/2	916.99	1/2	561.32	1/2	202.31	1/2		1/2		1/2	
3/4	2,334.58	3/4	1,975.56	3/4	1,616.54	3/4	1,257.52	3/4	909.81	3/4	553.84	3/4	194.83	3/4		3/4		3/4	
10	2,327.10	10	1,968.08	10	1,609.06	10	1,250.04	10	902.63	10	546.36	10	187.35	10		10		10	
1/4	2,319.62	1/4	1,960.60	1/4	1,601.58	1/4	1,242.56	1/4	895.46	1/4	538.88	1/4	179.87	1/4		1/4		1/4	
1/2	2,312.14	1/2	1,953.12	1/2	1,594.10	1/2	1,235.08	1/2	888.28	1/2	531.40	1/2	172.39	1/2		1/2		1/2	
3/4	2,304.66	3/4	1,945.64	3/4	1,586.62	3/4	1,227.60	3/4	881.11	3/4	523.92	3/4	164.91	3/4		3/4		3/4	
11	2,297.18	11	1,938.16	11	1,579.14	11	1,220.12	11	873.93	11	516.44	11	157.43	11		11		11	
1/4	2,289.70	1/4	1,930.68	1/4	1,571.66	1/4	1,212.64	1/4	866.76	1/4	508.96	1/4	149.95	1/4		1/4		1/4	
1/2	2,282.23	1/2	1,923.20	1/2	1,564.18	1/2	1,205.16	1/2	859.58	1/2	501.48	1/2	142.47	1/2		1/2		1/2	
3/4	2,274.75	3/4	1,915.72	3/4	1,556.70	3/4	1,197.68	3/4	852.40	3/4	494.00	3/4	134.99	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/12/2014 CL
RECALCULATED: 04/22/2019 SW
VERIFIED: 03/27/2024 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2024



BARGE "HTCO 3128"

2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17' 3-1/2"

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	4,774.68	0	4,417.34	0	4,058.76	0	3,700.11	0	3,341.45	0	2,982.79
1/4		1/4		1/4		1/4		1/4	4,767.26	1/4	4,409.89	1/4	4,051.29	1/4	3,692.63	1/4	3,333.98	1/4	2,975.32
1/2		1/2		1/2		1/2		1/2	4,759.85	1/2	4,402.43	1/2	4,043.82	1/2	3,685.16	1/2	3,326.51	1/2	2,967.85
3/4		3/4		3/4		3/4		3/4	4,752.44	3/4	4,394.97	3/4	4,036.35	3/4	3,677.69	3/4	3,319.03	3/4	2,960.37
1		1		1		1	5,089.10	1	4,745.03	1	4,387.52	1	4,028.87	1	3,670.22	1	3,311.56	1	2,952.89
1/4		1/4		1/4		1/4	5,084.36	1/4	4,737.62	1/4	4,380.06	1/4	4,021.40	1/4	3,662.75	1/4	3,304.09	1/4	2,945.42
1/2		1/2		1/2		1/2	5,078.54	1/2	4,730.19	1/2	4,372.59	1/2	4,013.93	1/2	3,655.27	1/2	3,296.62	1/2	2,937.94
3/4		3/4		3/4		3/4	5,072.73	3/4	4,722.76	3/4	4,365.11	3/4	4,006.46	3/4	3,647.80	3/4	3,289.15	3/4	2,930.47
2		2		2		2	5,066.92	2	4,715.33	2	4,357.64	2	3,998.99	2	3,640.33	2	3,281.67	2	2,922.99
1/4		1/4		1/4		1/4	5,061.11	1/4	4,707.90	1/4	4,350.17	1/4	3,991.51	1/4	3,632.86	1/4	3,274.20	1/4	2,915.51
1/2		1/2		1/2		1/2	5,054.29	1/2	4,700.45	1/2	4,342.70	1/2	3,984.04	1/2	3,625.39	1/2	3,266.73	1/2	2,908.04
3/4		3/4		3/4		3/4	5,047.48	3/4	4,693.00	3/4	4,335.23	3/4	3,976.57	3/4	3,617.91	3/4	3,259.26	3/4	2,900.56
3		3		3		3	5,040.66	3	4,685.55	3	4,327.75	3	3,969.10	3	3,610.44	3	3,251.79	3	2,893.09
1/4		1/4		1/4		1/4	5,033.85	1/4	4,678.10	1/4	4,320.28	1/4	3,961.63	1/4	3,602.97	1/4	3,244.31	1/4	2,885.61
1/2		1/2		1/2		1/2	5,026.50	1/2	4,670.65	1/2	4,312.81	1/2	3,954.15	1/2	3,595.50	1/2	3,236.84	1/2	2,878.13
3/4		3/4		3/4		3/4	5,019.15	3/4	4,663.20	3/4	4,305.34	3/4	3,946.68	3/4	3,588.03	3/4	3,229.37	3/4	2,870.66
4		4		4		4	5,011.81	4	4,655.75	4	4,297.87	4	3,939.21	4	3,580.55	4	3,221.90	4	2,863.18
1/4		1/4		1/4		1/4	5,004.46	1/4	4,648.30	1/4	4,290.39	1/4	3,931.74	1/4	3,573.08	1/4	3,214.43	1/4	2,855.71
1/2		1/2		1/2		1/2	4,997.04	1/2	4,640.85	1/2	4,282.92	1/2	3,924.27	1/2	3,565.61	1/2	3,206.95	1/2	2,848.23
3/4		3/4		3/4		3/4	4,989.63	3/4	4,633.40	3/4	4,275.45	3/4	3,916.79	3/4	3,558.14	3/4	3,199.48	3/4	2,840.75
5		5		5		5	4,982.21	5	4,625.95	5	4,267.98	5	3,909.32	5	3,550.67	5	3,192.01	5	2,833.28
1/4		1/4		1/4		1/4	4,974.80	1/4	4,618.50	1/4	4,260.51	1/4	3,901.85	1/4	3,543.19	1/4	3,184.54	1/4	2,825.80
1/2		1/2		1/2		1/2	4,967.38	1/2	4,611.05	1/2	4,253.03	1/2	3,894.38	1/2	3,535.72	1/2	3,177.07	1/2	2,818.33
3/4		3/4		3/4		3/4	4,959.97	3/4	4,603.60	3/4	4,245.56	3/4	3,886.91	3/4	3,528.25	3/4	3,169.59	3/4	2,810.85
6		6		6		6	4,952.56	6	4,596.15	6	4,238.09	6	3,879.43	6	3,520.78	6	3,162.12	6	2,803.37
1/4		1/4		1/4		1/4	4,945.14	1/4	4,588.70	1/4	4,230.62	1/4	3,871.96	1/4	3,513.31	1/4	3,154.65	1/4	2,795.90
1/2		1/2		1/2		1/2	4,937.73	1/2	4,581.25	1/2	4,223.15	1/2	3,864.49	1/2	3,505.83	1/2	3,147.18	1/2	2,788.42
3/4		3/4		3/4		3/4	4,930.31	3/4	4,573.80	3/4	4,215.67	3/4	3,857.02	3/4	3,498.36	3/4	3,139.71	3/4	2,780.95
7		7		7		7	4,922.90	7	4,566.35	7	4,208.20	7	3,849.55	7	3,490.89	7	3,132.23	7	2,773.47
1/4		1/4		1/4		1/4	4,915.48	1/4	4,558.90	1/4	4,200.73	1/4	3,842.07	1/4	3,483.42	1/4	3,124.76	1/4	2,765.99
1/2		1/2		1/2		1/2	4,908.07	1/2	4,551.45	1/2	4,193.26	1/2	3,834.60	1/2	3,475.95	1/2	3,117.29	1/2	2,758.52
3/4		3/4		3/4		3/4	4,900.66	3/4	4,544.00	3/4	4,185.79	3/4	3,827.13	3/4	3,468.47	3/4	3,109.82	3/4	2,751.04
8		8		8		8	4,893.25	8	4,536.55	8	4,178.31	8	3,819.66	8	3,461.00	8	3,102.35	8	2,743.57
1/4		1/4		1/4		1/4	4,885.83	1/4	4,529.10	1/4	4,170.84	1/4	3,812.19	1/4	3,453.53	1/4	3,094.87	1/4	2,736.09
1/2		1/2		1/2		1/2	4,878.42	1/2	4,521.65	1/2	4,163.37	1/2	3,804.71	1/2	3,446.06	1/2	3,087.40	1/2	2,728.61
3/4		3/4		3/4		3/4	4,871.01	3/4	4,514.20	3/4	4,155.90	3/4	3,797.24	3/4	3,438.59	3/4	3,079.93	3/4	2,721.14
9		9		9		9	4,863.60	9	4,506.75	9	4,148.43	9	3,789.77	9	3,431.11	9	3,072.46	9	2,713.66
1/4		1/4		1/4		1/4	4,856.19	1/4	4,499.30	1/4	4,140.95	1/4	3,782.30	1/4	3,423.64	1/4	3,064.99	1/4	2,706.19
1/2		1/2		1/2		1/2	4,848.78	1/2	4,491.84	1/2	4,133.48	1/2	3,774.83	1/2	3,416.17	1/2	3,057.51	1/2	2,698.71
3/4		3/4		3/4		3/4	4,841.37	3/4	4,484.39	3/4	4,126.01	3/4	3,767.35	3/4	3,408.70	3/4	3,050.04	3/4	2,691.23
10		10		10		10	4,833.96	10	4,476.94	10	4,118.54	10	3,759.88	10	3,401.23	10	3,042.57	10	2,683.76
1/4		1/4		1/4		1/4	4,826.55	1/4	4,469.49	1/4	4,111.07	1/4	3,752.41	1/4	3,393.75	1/4	3,035.10	1/4	2,676.28
1/2		1/2		1/2		1/2	4,819.14	1/2	4,462.04	1/2	4,103.59	1/2	3,744.94	1/2	3,386.28	1/2	3,027.63	1/2	2,668.81
3/4		3/4		3/4		3/4	4,811.73	3/4	4,454.59	3/4	4,096.12	3/4	3,737.47	3/4	3,378.81	3/4	3,020.15	3/4	2,661.33
11		11		11		11	4,804.32	11	4,447.14	11	4,088.65	11	3,729.99	11	3,371.34	11	3,012.68	11	2,653.85
1/4		1/4		1/4		1/4	4,796.91	1/4	4,439.69	1/4	4,081.18	1/4	3,722.52	1/4	3,363.87	1/4	3,005.21	1/4	2,646.38
1/2		1/2		1/2		1/2	4,789.50	1/2	4,432.24	1/2	4,073.71	1/2	3,715.05	1/2	3,356.39	1/2	2,997.74	1/2	2,638.90
3/4		3/4		3/4		3/4	4,782.09	3/4	4,424.79	3/4	4,066.23	3/4	3,707.58	3/4	3,348.92	3/4	2,990.27	3/4	2,631.43

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 CLOSED GAUGING DEVICE"
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 41'-0" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3128"

2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17' 3-1/2"

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	2,623.95	0	2,265.10	0	1,906.25	0	1,547.41	0	1,188.56	0	830.17	0	471.34	0	112.50	0		0	
1/4	2,616.47	1/4	2,257.63	1/4	1,898.78	1/4	1,539.93	1/4	1,181.08	1/4	822.70	1/4	463.86	1/4	105.02	1/4		1/4	
1/2	2,609.00	1/2	2,250.15	1/2	1,891.30	1/2	1,532.45	1/2	1,173.61	1/2	815.23	1/2	456.39	1/2	97.55	1/2		1/2	
3/4	2,601.52	3/4	2,242.67	3/4	1,883.83	3/4	1,524.98	3/4	1,166.13	3/4	807.75	3/4	448.91	3/4	90.07	3/4		3/4	
1	2,594.05	1	2,235.20	1	1,876.35	1	1,517.50	1	1,158.65	1	800.27	1	441.44	1	82.60	1		1	
1/4	2,586.57	1/4	2,227.72	1/4	1,868.87	1/4	1,510.03	1/4	1,151.18	1/4	792.80	1/4	433.96	1/4	75.12	1/4		1/4	
1/2	2,579.09	1/2	2,220.25	1/2	1,861.40	1/2	1,502.55	1/2	1,143.71	1/2	785.32	1/2	426.48	1/2	68.11	1/2		1/2	
3/4	2,571.62	3/4	2,212.77	3/4	1,853.92	3/4	1,495.07	3/4	1,136.23	3/4	777.85	3/4	419.01	3/4	61.10	3/4		3/4	
2	2,564.14	2	2,205.29	2	1,846.45	2	1,487.60	2	1,128.76	2	770.37	2	411.53	2	54.10	2		2	
1/4	2,556.67	1/4	2,197.82	1/4	1,838.97	1/4	1,480.12	1/4	1,121.29	1/4	762.89	1/4	404.06	1/4	47.09	1/4		1/4	
1/2	2,549.19	1/2	2,190.34	1/2	1,831.49	1/2	1,472.65	1/2	1,113.82	1/2	755.42	1/2	396.58	1/2	41.48	1/2		1/2	
3/4	2,541.71	3/4	2,182.87	3/4	1,824.02	3/4	1,465.17	3/4	1,106.34	3/4	747.94	3/4	389.10	3/4	35.87	3/4		3/4	
3	2,534.24	3	2,175.39	3	1,816.54	3	1,457.69	3	1,098.87	3	740.47	3	381.63	3	30.27	3		3	
1/4	2,526.76	1/4	2,167.91	1/4	1,809.07	1/4	1,450.22	1/4	1,091.40	1/4	732.99	1/4	374.15	1/4	24.66	1/4		1/4	
1/2	2,519.29	1/2	2,160.44	1/2	1,801.59	1/2	1,442.74	1/2	1,083.94	1/2	725.52	1/2	366.68	1/2	20.92	1/2		1/2	
3/4	2,511.81	3/4	2,152.96	3/4	1,794.11	3/4	1,435.27	3/4	1,076.47	3/4	718.04	3/4	359.20	3/4		3/4		3/4	
4	2,504.33	4	2,145.49	4	1,786.64	4	1,427.79	4	1,069.00	4	710.56	4	351.73	4		4		4	
1/4	2,496.86	1/4	2,138.01	1/4	1,779.16	1/4	1,420.31	1/4	1,061.54	1/4	703.09	1/4	344.25	1/4		1/4		1/4	
1/2	2,489.38	1/2	2,130.53	1/2	1,771.69	1/2	1,412.84	1/2	1,054.07	1/2	695.61	1/2	336.77	1/2		1/2		1/2	
3/4	2,481.91	3/4	2,123.06	3/4	1,764.21	3/4	1,405.36	3/4	1,046.61	3/4	688.14	3/4	329.30	3/4		3/4		3/4	
5	2,474.43	5	2,115.58	5	1,756.73	5	1,397.89	5	1,039.15	5	680.66	5	321.82	5		5		5	
1/4	2,466.95	1/4	2,108.11	1/4	1,749.26	1/4	1,390.41	1/4	1,031.68	1/4	673.19	1/4	314.35	1/4		1/4		1/4	
1/2	2,459.48	1/2	2,100.63	1/2	1,741.78	1/2	1,382.93	1/2	1,024.22	1/2	665.71	1/2	306.87	1/2		1/2		1/2	
3/4	2,452.00	3/4	2,093.15	3/4	1,734.31	3/4	1,375.46	3/4	1,016.76	3/4	658.23	3/4	299.40	3/4		3/4		3/4	
6	2,444.53	6	2,085.68	6	1,726.83	6	1,367.98	6	1,009.30	6	650.76	6	291.92	6		6		6	
1/4	2,437.05	1/4	2,078.20	1/4	1,719.35	1/4	1,360.51	1/4	1,001.83	1/4	643.28	1/4	284.44	1/4		1/4		1/4	
1/2	2,429.57	1/2	2,070.73	1/2	1,711.88	1/2	1,353.03	1/2	994.37	1/2	635.81	1/2	276.97	1/2		1/2		1/2	
3/4	2,422.10	3/4	2,063.25	3/4	1,704.40	3/4	1,345.55	3/4	986.91	3/4	628.33	3/4	269.49	3/4		3/4		3/4	
7	2,414.62	7	2,055.77	7	1,696.93	7	1,338.08	7	979.44	7	620.85	7	262.02	7		7		7	
1/4	2,407.15	1/4	2,048.30	1/4	1,689.45	1/4	1,330.60	1/4	971.98	1/4	613.38	1/4	254.54	1/4		1/4		1/4	
1/2	2,399.67	1/2	2,040.82	1/2	1,681.97	1/2	1,323.13	1/2	964.52	1/2	605.90	1/2	247.06	1/2		1/2		1/2	
3/4	2,392.19	3/4	2,033.35	3/4	1,674.50	3/4	1,315.65	3/4	957.05	3/4	598.43	3/4	239.59	3/4		3/4		3/4	
8	2,384.72	8	2,025.87	8	1,667.02	8	1,308.17	8	949.59	8	590.95	8	232.11	8		8		8	
1/4	2,377.24	1/4	2,018.39	1/4	1,659.55	1/4	1,300.70	1/4	942.13	1/4	583.48	1/4	224.64	1/4		1/4		1/4	
1/2	2,369.77	1/2	2,010.92	1/2	1,652.07	1/2	1,293.22	1/2	934.67	1/2	576.00	1/2	217.16	1/2		1/2		1/2	
3/4	2,362.29	3/4	2,003.44	3/4	1,644.59	3/4	1,285.75	3/4	927.20	3/4	568.52	3/4	209.69	3/4		3/4		3/4	
9	2,354.81	9	1,995.97	9	1,637.12	9	1,278.27	9	919.74	9	561.05	9	202.21	9		9		9	
1/4	2,347.34	1/4	1,988.49	1/4	1,629.64	1/4	1,270.79	1/4	912.28	1/4	553.57	1/4	194.73	1/4		1/4		1/4	
1/2	2,339.86	1/2	1,981.01	1/2	1,622.17	1/2	1,263.32	1/2	904.81	1/2	546.10	1/2	187.26	1/2		1/2		1/2	
3/4	2,332.39	3/4	1,973.54	3/4	1,614.69	3/4	1,255.84	3/4	897.35	3/4	538.62	3/4	179.78	3/4		3/4		3/4	
10	2,324.91	10	1,966.06	10	1,607.21	10	1,248.37	10	889.89	10	531.15	10	172.31	10		10		10	
1/4	2,317.43	1/4	1,958.59	1/4	1,599.74	1/4	1,240.89	1/4	882.42	1/4	523.67	1/4	164.83	1/4		1/4		1/4	
1/2	2,309.96	1/2	1,951.11	1/2	1,592.26	1/2	1,233.41	1/2	874.96	1/2	516.19	1/2	157.36	1/2		1/2		1/2	
3/4	2,302.48	3/4	1,943.63	3/4	1,584.79	3/4	1,225.94	3/4	867.50	3/4	508.72	3/4	149.88	3/4		3/4		3/4	
11	2,295.01	11	1,936.16	11	1,577.31	11	1,218.46	11	860.04	11	501.24	11	142.40	11		11		11	
1/4	2,287.53	1/4	1,928.68	1/4	1,569.83	1/4	1,210.99	1/4	852.57	1/4	493.77	1/4	134.93	1/4		1/4		1/4	
1/2	2,280.05	1/2	1,921.21	1/2	1,562.36	1/2	1,203.51	1/2	845.10	1/2	486.29	1/2	127.45	1/2		1/2		1/2	
3/4	2,272.58	3/4	1,913.73	3/4	1,554.88	3/4	1,196.03	3/4	837.64	3/4	478.81	3/4	119.98	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/12/2014 CL
RECALCULATED: 04/22/2019 SW
VERIFIED: 03/27/2024 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2024



BARGE "HTCO 3128"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17' 3-1/2"

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	4,376.87	0	4,130.52	0	3,883.34	0	3,636.11	0	3,309.72	0	2,953.32
1/4		1/4		1/4		1/4		1/4	4,371.76	1/4	4,125.39	1/4	3,878.19	1/4	3,630.96	1/4	3,302.31	1/4	2,945.89
1/2		1/2		1/2		1/2		1/2	4,366.65	1/2	4,120.24	1/2	3,873.03	1/2	3,625.81	1/2	3,294.91	1/2	2,938.46
3/4		3/4		3/4		3/4		3/4	4,361.54	3/4	4,115.10	3/4	3,867.88	3/4	3,620.66	3/4	3,287.50	3/4	2,931.03
1		1		1		1	4,590.01	1	4,356.43	1	4,109.96	1	3,862.73	1	3,615.50	1	3,280.09	1	2,923.60
1/4		1/4		1/4		1/4	4,587.56	1/4	4,351.32	1/4	4,104.81	1/4	3,857.58	1/4	3,610.35	1/4	3,272.68	1/4	2,916.17
1/2		1/2		1/2		1/2	4,584.05	1/2	4,346.20	1/2	4,099.66	1/2	3,852.43	1/2	3,605.20	1/2	3,265.27	1/2	2,908.74
3/4		3/4		3/4		3/4	4,580.53	3/4	4,341.08	3/4	4,094.51	3/4	3,847.28	3/4	3,600.05	3/4	3,257.85	3/4	2,901.31
2		2		2		2	4,577.02	2	4,335.95	2	4,089.36	2	3,842.13	2	3,594.90	2	3,250.43	2	2,893.87
1/4		1/4		1/4		1/4	4,573.50	1/4	4,330.83	1/4	4,084.21	1/4	3,836.98	1/4	3,589.75	1/4	3,243.01	1/4	2,886.44
1/2		1/2		1/2		1/2	4,568.99	1/2	4,325.69	1/2	4,079.06	1/2	3,831.83	1/2	3,584.03	1/2	3,235.59	1/2	2,879.01
3/4		3/4		3/4		3/4	4,564.48	3/4	4,320.56	3/4	4,073.91	3/4	3,826.68	3/4	3,578.30	3/4	3,228.16	3/4	2,871.58
3		3		3		3	4,559.97	3	4,315.42	3	4,068.76	3	3,821.53	3	3,572.58	3	3,220.73	3	2,864.15
1/4		1/4		1/4		1/4	4,555.45	1/4	4,310.29	1/4	4,063.61	1/4	3,816.38	1/4	3,566.85	1/4	3,213.30	1/4	2,856.72
1/2		1/2		1/2		1/2	4,550.41	1/2	4,305.15	1/2	4,058.46	1/2	3,811.23	1/2	3,559.99	1/2	3,205.87	1/2	2,849.29
3/4		3/4		3/4		3/4	4,545.36	3/4	4,300.01	3/4	4,053.31	3/4	3,806.08	3/4	3,553.13	3/4	3,198.45	3/4	2,841.86
4		4		4		4	4,540.32	4	4,294.88	4	4,048.16	4	3,800.93	4	3,546.27	4	3,191.02	4	2,834.43
1/4		1/4		1/4		1/4	4,535.28	1/4	4,289.74	1/4	4,043.00	1/4	3,795.78	1/4	3,539.41	1/4	3,183.59	1/4	2,827.00
1/2		1/2		1/2		1/2	4,530.16	1/2	4,284.61	1/2	4,037.85	1/2	3,790.63	1/2	3,532.00	1/2	3,176.16	1/2	2,819.57
3/4		3/4		3/4		3/4	4,525.05	3/4	4,279.47	3/4	4,032.70	3/4	3,785.47	3/4	3,524.58	3/4	3,168.73	3/4	2,812.14
5		5		5		5	4,519.94	5	4,274.33	5	4,027.55	5	3,780.32	5	3,517.16	5	3,161.31	5	2,804.71
1/4		1/4		1/4		1/4	4,514.83	1/4	4,269.20	1/4	4,022.40	1/4	3,775.17	1/4	3,509.74	1/4	3,153.88	1/4	2,797.28
1/2		1/2		1/2		1/2	4,509.72	1/2	4,264.06	1/2	4,017.25	1/2	3,770.02	1/2	3,502.33	1/2	3,146.45	1/2	2,789.84
3/4		3/4		3/4		3/4	4,504.61	3/4	4,258.93	3/4	4,012.10	3/4	3,764.87	3/4	3,494.91	3/4	3,139.02	3/4	2,782.41
6		6		6		6	4,499.49	6	4,253.79	6	4,006.95	6	3,759.72	6	3,487.50	6	3,131.59	6	2,774.98
1/4		1/4		1/4		1/4	4,494.38	1/4	4,248.65	1/4	4,001.80	1/4	3,754.57	1/4	3,480.09	1/4	3,124.17	1/4	2,767.55
1/2		1/2		1/2		1/2	4,489.27	1/2	4,243.52	1/2	3,996.65	1/2	3,749.42	1/2	3,472.68	1/2	3,116.74	1/2	2,760.12
3/4		3/4		3/4		3/4	4,484.16	3/4	4,238.38	3/4	3,991.50	3/4	3,744.27	3/4	3,465.27	3/4	3,109.31	3/4	2,752.69
7		7		7		7	4,479.05	7	4,233.24	7	3,986.35	7	3,739.12	7	3,457.87	7	3,101.88	7	2,745.26
1/4		1/4		1/4		1/4	4,473.94	1/4	4,228.11	1/4	3,981.20	1/4	3,733.97	1/4	3,450.46	1/4	3,094.45	1/4	2,737.83
1/2		1/2		1/2		1/2	4,468.83	1/2	4,222.97	1/2	3,976.05	1/2	3,728.82	1/2	3,443.05	1/2	3,087.03	1/2	2,730.40
3/4		3/4		3/4		3/4	4,463.72	3/4	4,217.84	3/4	3,970.90	3/4	3,723.67	3/4	3,435.64	3/4	3,079.60	3/4	2,722.97
8		8		8		8	4,458.61	8	4,212.70	8	3,965.75	8	3,718.52	8	3,428.24	8	3,072.17	8	2,715.54
1/4		1/4		1/4		1/4	4,453.50	1/4	4,207.56	1/4	3,960.59	1/4	3,713.37	1/4	3,420.83	1/4	3,064.74	1/4	2,708.11
1/2		1/2		1/2		1/2	4,448.39	1/2	4,202.43	1/2	3,955.44	1/2	3,708.22	1/2	3,413.42	1/2	3,057.31	1/2	2,700.68
3/4		3/4		3/4		3/4	4,443.28	3/4	4,197.29	3/4	3,950.29	3/4	3,703.06	3/4	3,406.01	3/4	3,049.89	3/4	2,693.25
9		9		9		9	4,438.17	9	4,192.16	9	3,945.14	9	3,697.91	9	3,398.61	9	3,042.46	9	2,685.81
1/4		1/4		1/4		1/4	4,433.06	1/4	4,187.02	1/4	3,939.99	1/4	3,692.76	1/4	3,391.20	1/4	3,035.03	1/4	2,678.38
1/2		1/2		1/2		1/2	4,427.95	1/2	4,181.88	1/2	3,934.84	1/2	3,687.61	1/2	3,383.79	1/2	3,027.60	1/2	2,670.95
3/4		3/4		3/4		3/4	4,422.85	3/4	4,176.75	3/4	3,929.69	3/4	3,682.46	3/4	3,376.39	3/4	3,020.17	3/4	2,663.52
10		10		10		10	4,417.74	10	4,171.61	10	3,924.54	10	3,677.31	10	3,368.98	10	3,012.75	10	2,656.09
1/4		1/4		1/4		1/4	4,412.63	1/4	4,166.48	1/4	3,919.39	1/4	3,672.16	1/4	3,361.57	1/4	3,005.32	1/4	2,648.66
1/2		1/2		1/2		1/2	4,407.52	1/2	4,161.34	1/2	3,914.24	1/2	3,667.01	1/2	3,354.16	1/2	2,997.89	1/2	2,641.23
3/4		3/4		3/4		3/4	4,402.41	3/4	4,156.20	3/4	3,909.09	3/4	3,661.86	3/4	3,346.76	3/4	2,990.46	3/4	2,633.80
11		11		11		11	4,397.30	11	4,151.07	11	3,903.94	11	3,656.71	11	3,339.35	11	2,983.03	11	2,626.37
1/4		1/4		1/4		1/4	4,392.19	1/4	4,145.93	1/4	3,898.79	1/4	3,651.56	1/4	3,331.94	1/4	2,975.61	1/4	2,618.94
1/2		1/2		1/2		1/2	4,387.08	1/2	4,140.80	1/2	3,893.64	1/2	3,646.41	1/2	3,324.53	1/2	2,968.18	1/2	2,611.50
3/4		3/4		3/4		3/4	4,381.98	3/4	4,135.66	3/4	3,888.49	3/4	3,641.26	3/4	3,317.13	3/4	2,960.75	3/4	2,604.07

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 CLOSED GAUGING DEVICE"
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 41'-0" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3128"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17' 3-1/2"

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	2,596.64	0	2,240.92	0	1,886.81	0	1,529.82	0	1,173.11	0	826.46	0	469.36	0	112.15	0		0	
1/4	2,589.20	1/4	2,233.54	1/4	1,879.40	1/4	1,522.38	1/4	1,165.78	1/4	819.14	1/4	461.92	1/4	104.71	1/4		1/4	
1/2	2,581.76	1/2	2,226.16	1/2	1,871.96	1/2	1,514.94	1/2	1,158.55	1/2	811.70	1/2	454.48	1/2	97.25	1/2		1/2	
3/4	2,574.33	3/4	2,218.79	3/4	1,864.53	3/4	1,507.50	3/4	1,151.32	3/4	804.25	3/4	447.04	3/4	89.80	3/4		3/4	
1	2,566.89	1	2,211.41	1	1,857.09	1	1,500.06	1	1,144.09	1	796.81	1	439.59	1	82.35	1		1	
1/4	2,559.45	1/4	2,204.04	1/4	1,849.65	1/4	1,492.63	1/4	1,136.86	1/4	789.37	1/4	432.15	1/4	74.90	1/4		1/4	
1/2	2,552.01	1/2	2,196.66	1/2	1,842.21	1/2	1,485.19	1/2	1,129.64	1/2	781.93	1/2	424.71	1/2	67.91	1/2		1/2	
3/4	2,544.57	3/4	2,189.29	3/4	1,834.77	3/4	1,477.75	3/4	1,122.42	3/4	774.49	3/4	417.27	3/4	60.92	3/4		3/4	
2	2,537.14	2	2,181.91	2	1,827.34	2	1,470.31	2	1,115.20	2	767.04	2	409.83	2	53.94	2		2	
1/4	2,529.70	1/4	2,174.53	1/4	1,819.90	1/4	1,462.87	1/4	1,107.98	1/4	759.60	1/4	402.39	1/4	46.95	1/4		1/4	
1/2	2,522.26	1/2	2,167.16	1/2	1,812.46	1/2	1,455.44	1/2	1,100.76	1/2	752.16	1/2	394.95	1/2	41.36	1/2		1/2	
3/4	2,514.82	3/4	2,159.78	3/4	1,805.02	3/4	1,448.00	3/4	1,093.55	3/4	744.72	3/4	387.51	3/4	35.77	3/4		3/4	
3	2,507.38	3	2,152.41	3	1,797.58	3	1,440.56	3	1,086.33	3	737.28	3	380.07	3	30.18	3		3	
1/4	2,499.95	1/4	2,145.03	1/4	1,790.15	1/4	1,433.12	1/4	1,079.12	1/4	729.83	1/4	372.63	1/4	24.59	1/4		1/4	
1/2	2,492.53	1/2	2,137.66	1/2	1,782.71	1/2	1,425.68	1/2	1,071.90	1/2	722.39	1/2	365.19	1/2	20.86	1/2		1/2	
3/4	2,485.11	3/4	2,130.28	3/4	1,775.27	3/4	1,418.25	3/4	1,064.69	3/4	714.95	3/4	357.74	3/4		3/4		3/4	
4	2,477.69	4	2,122.91	4	1,767.83	4	1,410.81	4	1,057.48	4	707.51	4	350.30	4		4		4	
1/4	2,470.27	1/4	2,115.53	1/4	1,760.39	1/4	1,403.37	1/4	1,050.27	1/4	700.06	1/4	342.86	1/4		1/4		1/4	
1/2	2,462.87	1/2	2,108.16	1/2	1,752.96	1/2	1,395.93	1/2	1,043.06	1/2	692.62	1/2	335.42	1/2		1/2		1/2	
3/4	2,455.47	3/4	2,100.78	3/4	1,745.52	3/4	1,388.49	3/4	1,035.85	3/4	685.18	3/4	327.98	3/4		3/4		3/4	
5	2,448.07	5	2,093.41	5	1,738.08	5	1,381.06	5	1,028.64	5	677.74	5	320.54	5		5		5	
1/4	2,440.67	1/4	2,086.03	1/4	1,730.64	1/4	1,373.62	1/4	1,021.43	1/4	670.30	1/4	313.10	1/4		1/4		1/4	
1/2	2,433.27	1/2	2,078.66	1/2	1,723.20	1/2	1,366.18	1/2	1,014.23	1/2	662.85	1/2	305.66	1/2		1/2		1/2	
3/4	2,425.87	3/4	2,071.28	3/4	1,715.77	3/4	1,358.74	3/4	1,007.02	3/4	655.41	3/4	298.22	3/4		3/4		3/4	
6	2,418.47	6	2,063.91	6	1,708.33	6	1,351.30	6	999.81	6	647.97	6	290.78	6		6		6	
1/4	2,411.07	1/4	2,056.53	1/4	1,700.89	1/4	1,343.87	1/4	992.60	1/4	640.53	1/4	283.34	1/4		1/4		1/4	
1/2	2,403.68	1/2	2,049.16	1/2	1,693.45	1/2	1,336.43	1/2	985.39	1/2	633.08	1/2	275.89	1/2		1/2		1/2	
3/4	2,396.28	3/4	2,041.78	3/4	1,686.01	3/4	1,328.99	3/4	978.19	3/4	625.64	3/4	268.45	3/4		3/4		3/4	
7	2,388.88	7	2,034.41	7	1,678.58	7	1,321.55	7	970.98	7	618.20	7	261.01	7		7		7	
1/4	2,381.48	1/4	2,027.03	1/4	1,671.14	1/4	1,314.11	1/4	963.77	1/4	610.76	1/4	253.57	1/4		1/4		1/4	
1/2	2,374.08	1/2	2,019.66	1/2	1,663.70	1/2	1,306.68	1/2	956.56	1/2	603.32	1/2	246.13	1/2		1/2		1/2	
3/4	2,366.68	3/4	2,012.28	3/4	1,656.26	3/4	1,299.24	3/4	949.35	3/4	595.87	3/4	238.69	3/4		3/4		3/4	
8	2,359.28	8	2,004.91	8	1,648.82	8	1,291.80	8	942.14	8	588.43	8	231.25	8		8		8	
1/4	2,351.88	1/4	1,997.53	1/4	1,641.39	1/4	1,284.36	1/4	934.94	1/4	580.99	1/4	223.81	1/4		1/4		1/4	
1/2	2,344.48	1/2	1,990.16	1/2	1,633.95	1/2	1,276.92	1/2	927.73	1/2	573.55	1/2	216.36	1/2		1/2		1/2	
3/4	2,337.08	3/4	1,982.78	3/4	1,626.51	3/4	1,269.49	3/4	920.52	3/4	566.10	3/4	208.92	3/4		3/4		3/4	
9	2,329.68	9	1,975.41	9	1,619.07	9	1,262.05	9	913.31	9	558.66	9	201.48	9		9		9	
1/4	2,322.28	1/4	1,968.03	1/4	1,611.63	1/4	1,254.61	1/4	906.10	1/4	551.22	1/4	194.04	1/4		1/4		1/4	
1/2	2,314.88	1/2	1,960.66	1/2	1,604.20	1/2	1,247.17	1/2	898.90	1/2	543.78	1/2	186.59	1/2		1/2		1/2	
3/4	2,307.48	3/4	1,953.28	3/4	1,596.76	3/4	1,239.73	3/4	891.69	3/4	536.34	3/4	179.15	3/4		3/4		3/4	
10	2,300.08	10	1,945.91	10	1,589.32	10	1,232.30	10	884.48	10	528.89	10	171.71	10		10		10	
1/4	2,292.68	1/4	1,938.53	1/4	1,581.88	1/4	1,224.86	1/4	877.27	1/4	521.45	1/4	164.27	1/4		1/4		1/4	
1/2	2,285.28	1/2	1,931.16	1/2	1,574.44	1/2	1,217.42	1/2	870.06	1/2	514.01	1/2	156.82	1/2		1/2		1/2	
3/4	2,277.88	3/4	1,923.78	3/4	1,567.01	3/4	1,209.98	3/4	862.86	3/4	506.57	3/4	149.38	3/4		3/4		3/4	
11	2,270.48	11	1,916.41	11	1,559.57	11	1,202.54	11	855.65	11	499.12	11	141.94	11		11		11	
1/4	2,263.08	1/4	1,909.03	1/4	1,552.13	1/4	1,195.11	1/4	848.44	1/4	491.68	1/4	134.49	1/4		1/4		1/4	
1/2	2,255.70	1/2	1,901.62	1/2	1,544.69	1/2	1,187.77	1/2	841.11	1/2	484.24	1/2	127.05	1/2		1/2		1/2	
3/4	2,248.31	3/4	1,894.22	3/4	1,537.25	3/4	1,180.44	3/4	833.79	3/4	476.80	3/4	119.60	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/12/2014 CL
RECALCULATED: 04/22/2019 SW
VERIFIED: 03/27/2024 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2024



BARGE "HTCO 3128"

3 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17' 3-1/2"

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	4,399.25	0	4,152.81	0	3,905.52	0	3,658.19	0	3,331.30	0	2,974.07
1/4		1/4		1/4		1/4		1/4	4,394.14	1/4	4,147.67	1/4	3,900.37	1/4	3,653.04	1/4	3,323.88	1/4	2,966.63
1/2		1/2		1/2		1/2		1/2	4,389.03	1/2	4,142.52	1/2	3,895.21	1/2	3,647.89	1/2	3,316.45	1/2	2,959.18
3/4		3/4		3/4		3/4		3/4	4,383.92	3/4	4,137.38	3/4	3,890.06	3/4	3,642.74	3/4	3,309.03	3/4	2,951.73
1		1		1		1	4,612.49	1	4,378.81	1	4,132.23	1	3,884.91	1	3,637.58	1	3,301.60	1	2,944.28
1/4		1/4		1/4		1/4	4,610.04	1/4	4,373.70	1/4	4,127.08	1/4	3,879.75	1/4	3,632.43	1/4	3,294.18	1/4	2,936.83
1/2		1/2		1/2		1/2	4,606.52	1/2	4,368.57	1/2	4,121.93	1/2	3,874.60	1/2	3,627.28	1/2	3,286.74	1/2	2,929.39
3/4		3/4		3/4		3/4	4,603.01	3/4	4,363.45	3/4	4,116.77	3/4	3,869.45	3/4	3,622.12	3/4	3,279.31	3/4	2,921.94
2		2		2		2	4,599.49	2	4,358.33	2	4,111.62	2	3,864.30	2	3,616.97	2	3,271.87	2	2,914.49
1/4		1/4		1/4		1/4	4,595.98	1/4	4,353.20	1/4	4,106.47	1/4	3,859.14	1/4	3,611.82	1/4	3,264.44	1/4	2,907.04
1/2		1/2		1/2		1/2	4,591.46	1/2	4,348.06	1/2	4,101.32	1/2	3,853.99	1/2	3,606.09	1/2	3,256.99	1/2	2,899.59
3/4		3/4		3/4		3/4	4,586.95	3/4	4,342.93	3/4	4,096.16	3/4	3,848.84	3/4	3,600.37	3/4	3,249.55	3/4	2,892.15
3		3		3		3	4,582.43	3	4,337.79	3	4,091.01	3	3,843.69	3	3,594.64	3	3,242.10	3	2,884.70
1/4		1/4		1/4		1/4	4,577.92	1/4	4,332.65	1/4	4,085.86	1/4	3,838.53	1/4	3,588.91	1/4	3,234.66	1/4	2,877.25
1/2		1/2		1/2		1/2	4,572.87	1/2	4,327.51	1/2	4,080.71	1/2	3,833.38	1/2	3,582.05	1/2	3,227.21	1/2	2,869.80
3/4		3/4		3/4		3/4	4,567.82	3/4	4,322.37	3/4	4,075.55	3/4	3,828.23	3/4	3,575.19	3/4	3,219.77	3/4	2,862.35
4		4		4		4	4,562.77	4	4,317.23	4	4,070.40	4	3,823.08	4	3,568.33	4	3,212.32	4	2,854.91
1/4		1/4		1/4		1/4	4,557.73	1/4	4,312.10	1/4	4,065.25	1/4	3,817.92	1/4	3,561.46	1/4	3,204.88	1/4	2,847.46
1/2		1/2		1/2		1/2	4,552.61	1/2	4,306.96	1/2	4,060.10	1/2	3,812.77	1/2	3,554.04	1/2	3,197.43	1/2	2,840.01
3/4		3/4		3/4		3/4	4,547.50	3/4	4,301.82	3/4	4,054.94	3/4	3,807.62	3/4	3,546.61	3/4	3,189.99	3/4	2,832.56
5		5		5		5	4,542.39	5	4,296.68	5	4,049.79	5	3,802.47	5	3,539.19	5	3,182.54	5	2,825.11
1/4		1/4		1/4		1/4	4,537.27	1/4	4,291.54	1/4	4,044.64	1/4	3,797.31	1/4	3,531.76	1/4	3,175.10	1/4	2,817.67
1/2		1/2		1/2		1/2	4,532.16	1/2	4,286.40	1/2	4,039.49	1/2	3,792.16	1/2	3,524.34	1/2	3,167.65	1/2	2,810.22
3/4		3/4		3/4		3/4	4,527.04	3/4	4,281.27	3/4	4,034.33	3/4	3,787.01	3/4	3,516.92	3/4	3,160.21	3/4	2,802.77
6		6		6		6	4,521.93	6	4,276.13	6	4,029.18	6	3,781.86	6	3,509.49	6	3,152.76	6	2,795.32
1/4		1/4		1/4		1/4	4,516.82	1/4	4,270.99	1/4	4,024.03	1/4	3,776.70	1/4	3,502.07	1/4	3,145.31	1/4	2,787.87
1/2		1/2		1/2		1/2	4,511.70	1/2	4,265.85	1/2	4,018.88	1/2	3,771.55	1/2	3,494.64	1/2	3,137.87	1/2	2,780.43
3/4		3/4		3/4		3/4	4,506.59	3/4	4,260.71	3/4	4,013.72	3/4	3,766.40	3/4	3,487.22	3/4	3,130.42	3/4	2,772.98
7		7		7		7	4,501.48	7	4,255.58	7	4,008.57	7	3,761.25	7	3,479.79	7	3,122.98	7	2,765.53
1/4		1/4		1/4		1/4	4,496.36	1/4	4,250.44	1/4	4,003.42	1/4	3,756.09	1/4	3,472.37	1/4	3,115.53	1/4	2,758.08
1/2		1/2		1/2		1/2	4,491.25	1/2	4,245.30	1/2	3,998.26	1/2	3,750.94	1/2	3,464.94	1/2	3,108.09	1/2	2,750.63
3/4		3/4		3/4		3/4	4,486.14	3/4	4,240.16	3/4	3,993.11	3/4	3,745.79	3/4	3,457.52	3/4	3,100.64	3/4	2,743.19
8		8		8		8	4,481.03	8	4,235.02	8	3,987.96	8	3,740.63	8	3,450.09	8	3,093.20	8	2,735.74
1/4		1/4		1/4		1/4	4,475.91	1/4	4,229.88	1/4	3,982.81	1/4	3,735.48	1/4	3,442.67	1/4	3,085.75	1/4	2,728.29
1/2		1/2		1/2		1/2	4,470.80	1/2	4,224.75	1/2	3,977.65	1/2	3,730.33	1/2	3,435.25	1/2	3,078.31	1/2	2,720.84
3/4		3/4		3/4		3/4	4,465.69	3/4	4,219.61	3/4	3,972.50	3/4	3,725.18	3/4	3,427.82	3/4	3,070.86	3/4	2,713.39
9		9		9		9	4,460.58	9	4,214.47	9	3,967.35	9	3,720.02	9	3,420.40	9	3,063.42	9	2,705.95
1/4		1/4		1/4		1/4	4,455.47	1/4	4,209.33	1/4	3,962.20	1/4	3,714.87	1/4	3,412.97	1/4	3,055.97	1/4	2,698.50
1/2		1/2		1/2		1/2	4,450.36	1/2	4,204.19	1/2	3,957.04	1/2	3,709.72	1/2	3,405.55	1/2	3,048.53	1/2	2,691.05
3/4		3/4		3/4		3/4	4,445.25	3/4	4,199.05	3/4	3,951.89	3/4	3,704.57	3/4	3,398.12	3/4	3,041.08	3/4	2,683.60
10		10		10		10	4,440.14	10	4,193.92	10	3,946.74	10	3,699.41	10	3,390.70	10	3,033.64	10	2,676.15
1/4		1/4		1/4		1/4	4,435.03	1/4	4,188.78	1/4	3,941.59	1/4	3,694.26	1/4	3,383.27	1/4	3,026.19	1/4	2,668.71
1/2		1/2		1/2		1/2	4,429.92	1/2	4,183.64	1/2	3,936.43	1/2	3,689.11	1/2	3,375.85	1/2	3,018.74	1/2	2,661.26
3/4		3/4		3/4		3/4	4,424.81	3/4	4,178.50	3/4	3,931.28	3/4	3,683.96	3/4	3,368.42	3/4	3,011.30	3/4	2,653.81
11		11		11		11	4,419.70	11	4,173.36	11	3,926.13	11	3,678.80	11	3,361.00	11	3,003.85	11	2,646.36
1/4		1/4		1/4		1/4	4,414.58	1/4	4,168.22	1/4	3,920.98	1/4	3,673.65	1/4	3,353.57	1/4	2,996.41	1/4	2,638.91
1/2		1/2		1/2		1/2	4,409.47	1/2	4,163.09	1/2	3,915.82	1/2	3,668.50	1/2	3,346.15	1/2	2,988.96	1/2	2,631.46
3/4		3/4		3/4		3/4	4,404.36	3/4	4,157.95	3/4	3,910.67	3/4	3,663.35	3/4	3,338.73	3/4	2,981.52	3/4	2,624.01

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 CLOSED GAUGING DEVICE"
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 41'-0" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3128"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17' 3-1/2"

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	2,616.56	0	2,258.71	0	1,900.87	0	1,543.02	0	1,185.17	0	827.87	0	470.03	0	112.19	0		0	
1/4	2,609.11	1/4	2,251.26	1/4	1,893.41	1/4	1,535.56	1/4	1,177.71	1/4	820.42	1/4	462.58	1/4	104.74	1/4		1/4	
1/2	2,601.65	1/2	2,243.80	1/2	1,885.95	1/2	1,528.11	1/2	1,170.26	1/2	812.96	1/2	455.12	1/2	97.28	1/2		1/2	
3/4	2,594.20	3/4	2,236.35	3/4	1,878.50	3/4	1,520.65	3/4	1,162.80	3/4	805.51	3/4	447.67	3/4	89.83	3/4		3/4	
1	2,586.74	1	2,228.89	1	1,871.04	1	1,513.19	1	1,155.35	1	798.05	1	440.21	1	82.37	1		1	
1/4	2,579.29	1/4	2,221.44	1/4	1,863.59	1/4	1,505.74	1/4	1,147.89	1/4	790.60	1/4	432.76	1/4	74.92	1/4		1/4	
1/2	2,571.83	1/2	2,213.98	1/2	1,856.13	1/2	1,498.28	1/2	1,140.44	1/2	783.14	1/2	425.30	1/2	67.93	1/2		1/2	
3/4	2,564.38	3/4	2,206.53	3/4	1,848.68	3/4	1,490.83	3/4	1,132.99	3/4	775.69	3/4	417.85	3/4	60.94	3/4		3/4	
2	2,556.92	2	2,199.07	2	1,841.22	2	1,483.37	2	1,125.54	2	768.23	2	410.39	2	53.95	2		2	
1/4	2,549.47	1/4	2,191.62	1/4	1,833.77	1/4	1,475.92	1/4	1,118.09	1/4	760.78	1/4	402.94	1/4	46.96	1/4		1/4	
1/2	2,542.01	1/2	2,184.16	1/2	1,826.31	1/2	1,468.46	1/2	1,110.64	1/2	753.32	1/2	395.48	1/2	41.37	1/2		1/2	
3/4	2,534.56	3/4	2,176.71	3/4	1,818.86	3/4	1,461.01	3/4	1,103.19	3/4	745.87	3/4	388.03	3/4	35.78	3/4		3/4	
3	2,527.10	3	2,169.25	3	1,811.40	3	1,453.55	3	1,095.74	3	738.41	3	380.57	3	30.19	3		3	
1/4	2,519.65	1/4	2,161.80	1/4	1,803.95	1/4	1,446.10	1/4	1,088.30	1/4	730.96	1/4	373.12	1/4	24.60	1/4		1/4	
1/2	2,512.19	1/2	2,154.34	1/2	1,796.49	1/2	1,438.64	1/2	1,080.85	1/2	723.50	1/2	365.66	1/2	20.87	1/2		1/2	
3/4	2,504.74	3/4	2,146.89	3/4	1,789.04	3/4	1,431.19	3/4	1,073.41	3/4	716.05	3/4	358.21	3/4		3/4		3/4	
4	2,497.28	4	2,139.43	4	1,781.58	4	1,423.73	4	1,065.97	4	708.59	4	350.75	4		4		4	
1/4	2,489.83	1/4	2,131.98	1/4	1,774.13	1/4	1,416.28	1/4	1,058.52	1/4	701.14	1/4	343.30	1/4		1/4		1/4	
1/2	2,482.37	1/2	2,124.52	1/2	1,766.67	1/2	1,408.82	1/2	1,051.08	1/2	693.68	1/2	335.84	1/2		1/2		1/2	
3/4	2,474.92	3/4	2,117.07	3/4	1,759.22	3/4	1,401.37	3/4	1,043.64	3/4	686.23	3/4	328.39	3/4		3/4		3/4	
5	2,467.46	5	2,109.61	5	1,751.76	5	1,393.91	5	1,036.20	5	678.77	5	320.93	5		5		5	
1/4	2,460.01	1/4	2,102.16	1/4	1,744.31	1/4	1,386.46	1/4	1,028.76	1/4	671.32	1/4	313.48	1/4		1/4		1/4	
1/2	2,452.55	1/2	2,094.70	1/2	1,736.85	1/2	1,379.00	1/2	1,021.32	1/2	663.86	1/2	306.02	1/2		1/2		1/2	
3/4	2,445.09	3/4	2,087.25	3/4	1,729.40	3/4	1,371.55	3/4	1,013.88	3/4	656.41	3/4	298.57	3/4		3/4		3/4	
6	2,437.64	6	2,079.79	6	1,721.94	6	1,364.09	6	1,006.44	6	648.95	6	291.11	6		6		6	
1/4	2,430.18	1/4	2,072.33	1/4	1,714.49	1/4	1,356.64	1/4	999.00	1/4	641.50	1/4	283.66	1/4		1/4		1/4	
1/2	2,422.73	1/2	2,064.88	1/2	1,707.03	1/2	1,349.18	1/2	991.56	1/2	634.04	1/2	276.20	1/2		1/2		1/2	
3/4	2,415.27	3/4	2,057.42	3/4	1,699.57	3/4	1,341.73	3/4	984.12	3/4	626.59	3/4	268.75	3/4		3/4		3/4	
7	2,407.82	7	2,049.97	7	1,692.12	7	1,334.27	7	976.68	7	619.13	7	261.29	7		7		7	
1/4	2,400.36	1/4	2,042.51	1/4	1,684.66	1/4	1,326.81	1/4	969.24	1/4	611.68	1/4	253.84	1/4		1/4		1/4	
1/2	2,392.91	1/2	2,035.06	1/2	1,677.21	1/2	1,319.36	1/2	961.80	1/2	604.22	1/2	246.38	1/2		1/2		1/2	
3/4	2,385.45	3/4	2,027.60	3/4	1,669.75	3/4	1,311.90	3/4	954.36	3/4	596.77	3/4	238.93	3/4		3/4		3/4	
8	2,378.00	8	2,020.15	8	1,662.30	8	1,304.45	8	946.92	8	589.31	8	231.47	8		8		8	
1/4	2,370.54	1/4	2,012.69	1/4	1,654.84	1/4	1,296.99	1/4	939.48	1/4	581.86	1/4	224.02	1/4		1/4		1/4	
1/2	2,363.09	1/2	2,005.24	1/2	1,647.39	1/2	1,289.54	1/2	932.04	1/2	574.40	1/2	216.56	1/2		1/2		1/2	
3/4	2,355.63	3/4	1,997.78	3/4	1,639.93	3/4	1,282.08	3/4	924.60	3/4	566.95	3/4	209.11	3/4		3/4		3/4	
9	2,348.18	9	1,990.33	9	1,632.48	9	1,274.63	9	917.16	9	559.49	9	201.65	9		9		9	
1/4	2,340.72	1/4	1,982.87	1/4	1,625.02	1/4	1,267.17	1/4	909.72	1/4	552.04	1/4	194.20	1/4		1/4		1/4	
1/2	2,333.27	1/2	1,975.42	1/2	1,617.57	1/2	1,259.72	1/2	902.28	1/2	544.58	1/2	186.74	1/2		1/2		1/2	
3/4	2,325.81	3/4	1,967.96	3/4	1,610.11	3/4	1,252.26	3/4	894.84	3/4	537.13	3/4	179.29	3/4		3/4		3/4	
10	2,318.36	10	1,960.51	10	1,602.66	10	1,244.81	10	887.40	10	529.67	10	171.83	10		10		10	
1/4	2,310.90	1/4	1,953.05	1/4	1,595.20	1/4	1,237.35	1/4	879.96	1/4	522.22	1/4	164.38	1/4		1/4		1/4	
1/2	2,303.45	1/2	1,945.60	1/2	1,587.75	1/2	1,229.90	1/2	872.52	1/2	514.76	1/2	156.92	1/2		1/2		1/2	
3/4	2,295.99	3/4	1,938.14	3/4	1,580.29	3/4	1,222.44	3/4	865.08	3/4	507.31	3/4	149.47	3/4		3/4		3/4	
11	2,288.54	11	1,930.69	11	1,572.84	11	1,214.99	11	857.64	11	499.85	11	142.01	11		11		11	
1/4	2,281.08	1/4	1,923.23	1/4	1,565.38	1/4	1,207.53	1/4	850.20	1/4	492.40	1/4	134.56	1/4		1/4		1/4	
1/2	2,273.63	1/2	1,915.78	1/2	1,557.93	1/2	1,200.08	1/2	842.76	1/2	484.94	1/2	127.10	1/2		1/2		1/2	
3/4	2,266.17	3/4	1,908.32	3/4	1,550.47	3/4	1,192.62	3/4	835.31	3/4	477.49	3/4	119.65	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/12/2014 CL
RECALCULATED: 04/22/2019 SW
VERIFIED: 03/27/2024 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2024