



BARGE "HTCO 3135"

ULLAGE TRIM TABLE (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	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
1 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
2 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
2 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
3 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-4/8	- 00-4/8	00-5/8	- 00-5/8
3 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-4/8	- 00-4/8	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 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 237'-09"

February 11, 2020

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3135"

1 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	4,698.46	0	4,341.41	0	3,983.11	0	3,624.74	0	3,266.38	0	2,908.00
1/4		1/4		1/4		1/4		1/4	4,691.05	1/4	4,333.97	1/4	3,975.65	1/4	3,617.28	1/4	3,258.91	1/4	2,900.53
1/2		1/2		1/2		1/2		1/2	4,683.65	1/2	4,326.51	1/2	3,968.18	1/2	3,609.81	1/2	3,251.44	1/2	2,893.06
3/4		3/4		3/4		3/4		3/4	4,676.24	3/4	4,319.06	3/4	3,960.71	3/4	3,602.35	3/4	3,243.98	3/4	2,885.59
1		1		1		1	5,012.63	1	4,668.84	1	4,311.60	1	3,953.25	1	3,594.88	1	3,236.51	1	2,878.12
1/4		1/4		1/4		1/4	5,007.89	1/4	4,661.44	1/4	4,304.15	1/4	3,945.78	1/4	3,587.41	1/4	3,229.05	1/4	2,870.65
1/2		1/2		1/2		1/2	5,002.08	1/2	4,654.01	1/2	4,296.68	1/2	3,938.32	1/2	3,579.95	1/2	3,221.58	1/2	2,863.18
3/4		3/4		3/4		3/4	4,996.27	3/4	4,646.59	3/4	4,289.22	3/4	3,930.85	3/4	3,572.48	3/4	3,214.11	3/4	2,855.71
2		2		2		2	4,990.47	2	4,639.16	2	4,281.75	2	3,923.38	2	3,565.02	2	3,206.65	2	2,848.24
1/4		1/4		1/4		1/4	4,984.66	1/4	4,631.74	1/4	4,274.29	1/4	3,915.92	1/4	3,557.55	1/4	3,199.18	1/4	2,840.77
1/2		1/2		1/2		1/2	4,977.85	1/2	4,624.30	1/2	4,266.82	1/2	3,908.45	1/2	3,550.08	1/2	3,191.72	1/2	2,833.30
3/4		3/4		3/4		3/4	4,971.04	3/4	4,616.85	3/4	4,259.35	3/4	3,900.99	3/4	3,542.62	3/4	3,184.25	3/4	2,825.83
3		3		3		3	4,964.23	3	4,609.41	3	4,251.89	3	3,893.52	3	3,535.15	3	3,176.78	3	2,818.36
1/4		1/4		1/4		1/4	4,957.42	1/4	4,601.96	1/4	4,244.42	1/4	3,886.05	1/4	3,527.69	1/4	3,169.32	1/4	2,810.89
1/2		1/2		1/2		1/2	4,950.08	1/2	4,594.52	1/2	4,236.96	1/2	3,878.59	1/2	3,520.22	1/2	3,161.85	1/2	2,803.42
3/4		3/4		3/4		3/4	4,942.74	3/4	4,587.08	3/4	4,229.49	3/4	3,871.12	3/4	3,512.75	3/4	3,154.39	3/4	2,795.95
4		4		4		4	4,935.39	4	4,579.63	4	4,222.02	4	3,863.66	4	3,505.29	4	3,146.92	4	2,788.48
1/4		1/4		1/4		1/4	4,928.05	1/4	4,572.19	1/4	4,214.56	1/4	3,856.19	1/4	3,497.82	1/4	3,139.45	1/4	2,781.01
1/2		1/2		1/2		1/2	4,920.64	1/2	4,564.74	1/2	4,207.09	1/2	3,848.72	1/2	3,490.36	1/2	3,131.99	1/2	2,773.54
3/4		3/4		3/4		3/4	4,913.23	3/4	4,557.30	3/4	4,199.63	3/4	3,841.26	3/4	3,482.89	3/4	3,124.52	3/4	2,766.07
5		5		5		5	4,905.83	5	4,549.85	5	4,192.16	5	3,833.79	5	3,475.42	5	3,117.06	5	2,758.60
1/4		1/4		1/4		1/4	4,898.42	1/4	4,542.41	1/4	4,184.69	1/4	3,826.33	1/4	3,467.96	1/4	3,109.59	1/4	2,751.13
1/2		1/2		1/2		1/2	4,891.01	1/2	4,534.97	1/2	4,177.23	1/2	3,818.86	1/2	3,460.49	1/2	3,102.12	1/2	2,743.66
3/4		3/4		3/4		3/4	4,883.60	3/4	4,527.52	3/4	4,169.76	3/4	3,811.39	3/4	3,453.03	3/4	3,094.66	3/4	2,736.19
6		6		6		6	4,876.19	6	4,520.08	6	4,162.30	6	3,803.93	6	3,445.56	6	3,087.19	6	2,728.72
1/4		1/4		1/4		1/4	4,868.78	1/4	4,512.63	1/4	4,154.83	1/4	3,796.46	1/4	3,438.09	1/4	3,079.73	1/4	2,721.25
1/2		1/2		1/2		1/2	4,861.38	1/2	4,505.19	1/2	4,147.36	1/2	3,789.00	1/2	3,430.63	1/2	3,072.26	1/2	2,713.78
3/4		3/4		3/4		3/4	4,853.97	3/4	4,497.74	3/4	4,139.90	3/4	3,781.53	3/4	3,423.16	3/4	3,064.79	3/4	2,706.31
7		7		7		7	4,846.56	7	4,490.30	7	4,132.43	7	3,774.06	7	3,415.70	7	3,057.33	7	2,698.84
1/4		1/4		1/4		1/4	4,839.15	1/4	4,482.86	1/4	4,124.97	1/4	3,766.60	1/4	3,408.23	1/4	3,049.86	1/4	2,691.37
1/2		1/2		1/2		1/2	4,831.74	1/2	4,475.41	1/2	4,117.50	1/2	3,759.13	1/2	3,400.76	1/2	3,042.40	1/2	2,683.90
3/4		3/4		3/4		3/4	4,824.34	3/4	4,467.97	3/4	4,110.03	3/4	3,751.67	3/4	3,393.30	3/4	3,034.93	3/4	2,676.43
8		8		8		8	4,816.93	8	4,460.52	8	4,102.57	8	3,744.20	8	3,385.83	8	3,027.46	8	2,668.96
1/4		1/4		1/4		1/4	4,809.52	1/4	4,453.08	1/4	4,095.10	1/4	3,736.73	1/4	3,378.37	1/4	3,020.00	1/4	2,661.49
1/2		1/2		1/2		1/2	4,802.12	1/2	4,445.63	1/2	4,087.64	1/2	3,729.27	1/2	3,370.90	1/2	3,012.53	1/2	2,654.02
3/4		3/4		3/4		3/4	4,794.72	3/4	4,438.19	3/4	4,080.17	3/4	3,721.80	3/4	3,363.43	3/4	3,005.07	3/4	2,646.55
9		9		9		9	4,787.31	9	4,430.75	9	4,072.70	9	3,714.34	9	3,355.97	9	2,997.60	9	2,639.08
1/4		1/4		1/4		1/4	4,779.91	1/4	4,423.30	1/4	4,065.24	1/4	3,706.87	1/4	3,348.50	1/4	2,990.13	1/4	2,631.61
1/2		1/2		1/2		1/2	4,772.50	1/2	4,415.86	1/2	4,057.77	1/2	3,699.40	1/2	3,341.04	1/2	2,982.67	1/2	2,624.14
3/4		3/4		3/4		3/4	4,765.10	3/4	4,408.41	3/4	4,050.31	3/4	3,691.94	3/4	3,333.57	3/4	2,975.20	3/4	2,616.67
10		10		10		10	4,757.69	10	4,400.97	10	4,042.84	10	3,684.47	10	3,326.10	10	2,967.74	10	2,609.20
1/4		1/4		1/4		1/4	4,750.29	1/4	4,393.52	1/4	4,035.37	1/4	3,677.01	1/4	3,318.64	1/4	2,960.27	1/4	2,601.73
1/2		1/2		1/2		1/2	4,742.88	1/2	4,386.08	1/2	4,027.91	1/2	3,669.54	1/2	3,311.17	1/2	2,952.80	1/2	2,594.26
3/4		3/4		3/4		3/4	4,735.48	3/4	4,378.64	3/4	4,020.44	3/4	3,662.07	3/4	3,303.71	3/4	2,945.34	3/4	2,586.79
11		11		11		11	4,728.08	11	4,371.19	11	4,012.98	11	3,654.61	11	3,296.24	11	2,937.87	11	2,579.32
1/4		1/4		1/4		1/4	4,720.67	1/4	4,363.75	1/4	4,005.51	1/4	3,647.14	1/4	3,288.77	1/4	2,930.41	1/4	2,571.85
1/2		1/2		1/2		1/2	4,713.27	1/2	4,356.30	1/2	3,998.04	1/2	3,639.68	1/2	3,281.31	1/2	2,922.94	1/2	2,564.38
3/4		3/4		3/4		3/4	4,705.86	3/4	4,348.86	3/4	3,990.58	3/4	3,632.21	3/4	3,273.84	3/4	2,915.47	3/4	2,556.91

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 45'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "HTCO 3135"

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	2,549.44	0	2,190.88	0	1,832.32	0	1,473.76	0	1,115.24	0	758.83	0	404.91	0	89.57	0		0	
1/4	2,541.97	1/4	2,183.41	1/4	1,824.85	1/4	1,466.29	1/4	1,107.79	1/4	751.39	1/4	397.85	1/4	83.46	1/4		1/4	
1/2	2,534.50	1/2	2,175.94	1/2	1,817.38	1/2	1,458.82	1/2	1,100.35	1/2	743.92	1/2	390.87	1/2	77.42	1/2		1/2	
3/4	2,527.03	3/4	2,168.47	3/4	1,809.91	3/4	1,451.35	3/4	1,092.91	3/4	736.45	3/4	383.89	3/4	71.39	3/4		3/4	
1	2,519.56	1	2,161.00	1	1,802.44	1	1,443.88	1	1,085.47	1	728.98	1	376.91	1	65.35	1		1	
1/4	2,512.09	1/4	2,153.53	1/4	1,794.97	1/4	1,436.41	1/4	1,078.03	1/4	721.51	1/4	369.93	1/4	59.32	1/4		1/4	
1/2	2,504.62	1/2	2,146.06	1/2	1,787.50	1/2	1,428.94	1/2	1,070.59	1/2	714.04	1/2	363.03	1/2	53.83	1/2		1/2	
3/4	2,497.15	3/4	2,138.59	3/4	1,780.03	3/4	1,421.47	3/4	1,063.16	3/4	706.57	3/4	356.12	3/4	48.35	3/4		3/4	
2	2,489.68	2	2,131.12	2	1,772.56	2	1,414.00	2	1,055.73	2	699.10	2	349.22	2	42.86	2		2	
1/4	2,482.21	1/4	2,123.65	1/4	1,765.09	1/4	1,406.53	1/4	1,048.29	1/4	691.63	1/4	342.31	1/4	37.38	1/4		1/4	
1/2	2,474.74	1/2	2,116.18	1/2	1,757.62	1/2	1,399.06	1/2	1,040.87	1/2	684.16	1/2	335.48	1/2	33.37	1/2		1/2	
3/4	2,467.27	3/4	2,108.71	3/4	1,750.15	3/4	1,391.59	3/4	1,033.44	3/4	676.69	3/4	328.65	3/4	29.37	3/4		3/4	
3	2,459.80	3	2,101.24	3	1,742.68	3	1,384.12	3	1,026.01	3	669.22	3	321.82	3	25.36	3		3	
1/4	2,452.33	1/4	2,093.77	1/4	1,735.21	1/4	1,376.65	1/4	1,018.59	1/4	661.75	1/4	314.99	1/4	21.36	1/4		1/4	
1/2	2,444.86	1/2	2,086.30	1/2	1,727.74	1/2	1,369.18	1/2	1,011.16	1/2	654.28	1/2	308.24	1/2	18.45	1/2		1/2	
3/4	2,437.39	3/4	2,078.83	3/4	1,720.27	3/4	1,361.71	3/4	1,003.74	3/4	646.81	3/4	301.48	3/4		3/4		3/4	
4	2,429.92	4	2,071.36	4	1,712.80	4	1,354.24	4	996.32	4	639.34	4	294.73	4		4		4	
1/4	2,422.45	1/4	2,063.89	1/4	1,705.33	1/4	1,346.77	1/4	988.90	1/4	631.87	1/4	287.98	1/4		1/4		1/4	
1/2	2,414.98	1/2	2,056.42	1/2	1,697.86	1/2	1,339.30	1/2	981.48	1/2	624.40	1/2	281.31	1/2		1/2		1/2	
3/4	2,407.51	3/4	2,048.95	3/4	1,690.39	3/4	1,331.83	3/4	974.06	3/4	616.93	3/4	274.64	3/4		3/4		3/4	
5	2,400.04	5	2,041.48	5	1,682.92	5	1,324.36	5	966.64	5	609.46	5	267.97	5		5		5	
1/4	2,392.57	1/4	2,034.01	1/4	1,675.45	1/4	1,316.89	1/4	959.22	1/4	601.99	1/4	261.30	1/4		1/4		1/4	
1/2	2,385.10	1/2	2,026.54	1/2	1,667.98	1/2	1,309.42	1/2	951.80	1/2	594.52	1/2	254.71	1/2		1/2		1/2	
3/4	2,377.63	3/4	2,019.07	3/4	1,660.51	3/4	1,301.95	3/4	944.38	3/4	587.05	3/4	248.13	3/4		3/4		3/4	
6	2,370.16	6	2,011.60	6	1,653.04	6	1,294.48	6	936.96	6	579.58	6	241.54	6		6		6	
1/4	2,362.69	1/4	2,004.13	1/4	1,645.57	1/4	1,287.01	1/4	929.55	1/4	572.11	1/4	234.95	1/4		1/4		1/4	
1/2	2,355.22	1/2	1,996.66	1/2	1,638.10	1/2	1,279.54	1/2	922.13	1/2	564.66	1/2	228.44	1/2		1/2		1/2	
3/4	2,347.75	3/4	1,989.19	3/4	1,630.63	3/4	1,272.07	3/4	914.71	3/4	557.22	3/4	221.93	3/4		3/4		3/4	
7	2,340.28	7	1,981.72	7	1,623.16	7	1,264.60	7	907.29	7	549.77	7	215.43	7		7		7	
1/4	2,332.81	1/4	1,974.25	1/4	1,615.69	1/4	1,257.13	1/4	899.87	1/4	542.32	1/4	208.92	1/4		1/4		1/4	
1/2	2,325.34	1/2	1,966.78	1/2	1,608.22	1/2	1,249.66	1/2	892.45	1/2	534.94	1/2	202.49	1/2		1/2		1/2	
3/4	2,317.87	3/4	1,959.31	3/4	1,600.75	3/4	1,242.19	3/4	885.03	3/4	527.55	3/4	196.07	3/4		3/4		3/4	
8	2,310.40	8	1,951.84	8	1,593.28	8	1,234.72	8	877.61	8	520.17	8	189.64	8		8		8	
1/4	2,302.93	1/4	1,944.37	1/4	1,585.81	1/4	1,227.25	1/4	870.19	1/4	512.78	1/4	183.22	1/4		1/4		1/4	
1/2	2,295.46	1/2	1,936.90	1/2	1,578.34	1/2	1,219.78	1/2	862.77	1/2	505.48	1/2	176.87	1/2		1/2		1/2	
3/4	2,287.99	3/4	1,929.43	3/4	1,570.87	3/4	1,212.31	3/4	855.36	3/4	498.17	3/4	170.52	3/4		3/4		3/4	
9	2,280.52	9	1,921.96	9	1,563.40	9	1,204.84	9	847.94	9	490.87	9	164.17	9		9		9	
1/4	2,273.05	1/4	1,914.49	1/4	1,555.93	1/4	1,197.37	1/4	840.52	1/4	483.56	1/4	157.82	1/4		1/4		1/4	
1/2	2,265.58	1/2	1,907.02	1/2	1,548.46	1/2	1,189.90	1/2	833.10	1/2	476.34	1/2	151.54	1/2		1/2		1/2	
3/4	2,258.11	3/4	1,899.55	3/4	1,540.99	3/4	1,182.43	3/4	825.68	3/4	469.11	3/4	145.26	3/4		3/4		3/4	
10	2,250.64	10	1,892.08	10	1,533.52	10	1,174.96	10	818.26	10	461.89	10	138.99	10		10		10	
1/4	2,243.17	1/4	1,884.61	1/4	1,526.05	1/4	1,167.49	1/4	810.84	1/4	454.66	1/4	132.71	1/4		1/4		1/4	
1/2	2,235.70	1/2	1,877.14	1/2	1,518.58	1/2	1,160.02	1/2	803.42	1/2	447.52	1/2	126.51	1/2		1/2		1/2	
3/4	2,228.23	3/4	1,869.67	3/4	1,511.11	3/4	1,152.55	3/4	796.00	3/4	440.38	3/4	120.31	3/4		3/4		3/4	
11	2,220.76	11	1,862.20	11	1,503.64	11	1,145.08	11	788.58	11	433.24	11	114.12	11		11		11	
1/4	2,213.29	1/4	1,854.73	1/4	1,496.17	1/4	1,137.61	1/4	781.17	1/4	426.09	1/4	107.92	1/4		1/4		1/4	
1/2	2,205.82	1/2	1,847.26	1/2	1,488.70	1/2	1,130.15	1/2	773.72	1/2	419.03	1/2	101.81	1/2		1/2		1/2	
3/4	2,198.35	3/4	1,839.79	3/4	1,481.23	3/4	1,122.70	3/4	766.28	3/4	411.97	3/4	95.69	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/23/2014 CL
RECALCULATED: 02/11/2020 SW
REPRINTED: 02/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

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



BARGE "HTCO 3135"

1 STBD ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,697.29	0	4,340.46	0	3,982.37	0	3,624.23	0	3,266.09	0	2,907.95
1/4		1/4		1/4		1/4		1/4	4,689.89	1/4	4,333.02	1/4	3,974.91	1/4	3,616.77	1/4	3,258.63	1/4	2,900.48
1/2		1/2		1/2		1/2		1/2	4,682.49	1/2	4,325.57	1/2	3,967.45	1/2	3,609.31	1/2	3,251.17	1/2	2,893.02
3/4		3/4		3/4		3/4		3/4	4,675.09	3/4	4,318.12	3/4	3,959.99	3/4	3,601.85	3/4	3,243.71	3/4	2,885.55
1		1		1		1	5,011.25	1	4,667.69	1	4,310.66	1	3,952.53	1	3,594.39	1	3,236.24	1	2,878.09
1/4		1/4		1/4		1/4	5,006.51	1/4	4,660.29	1/4	4,303.21	1/4	3,945.07	1/4	3,586.93	1/4	3,228.78	1/4	2,870.62
1/2		1/2		1/2		1/2	5,000.71	1/2	4,652.87	1/2	4,295.75	1/2	3,937.61	1/2	3,579.46	1/2	3,221.32	1/2	2,863.16
3/4		3/4		3/4		3/4	4,994.90	3/4	4,645.45	3/4	4,288.29	3/4	3,930.15	3/4	3,572.00	3/4	3,213.86	3/4	2,855.69
2		2		2		2	4,989.10	2	4,638.03	2	4,280.83	2	3,922.68	2	3,564.54	2	3,206.40	2	2,848.23
1/4		1/4		1/4		1/4	4,983.30	1/4	4,630.61	1/4	4,273.37	1/4	3,915.22	1/4	3,557.08	1/4	3,198.94	1/4	2,840.76
1/2		1/2		1/2		1/2	4,976.49	1/2	4,623.17	1/2	4,265.90	1/2	3,907.76	1/2	3,549.62	1/2	3,191.48	1/2	2,833.30
3/4		3/4		3/4		3/4	4,969.69	3/4	4,615.73	3/4	4,258.44	3/4	3,900.30	3/4	3,542.16	3/4	3,184.02	3/4	2,825.83
3		3		3		3	4,962.89	3	4,608.29	3	4,250.98	3	3,892.84	3	3,534.70	3	3,176.55	3	2,818.37
1/4		1/4		1/4		1/4	4,956.08	1/4	4,600.85	1/4	4,243.52	1/4	3,885.38	1/4	3,527.24	1/4	3,169.09	1/4	2,810.90
1/2		1/2		1/2		1/2	4,948.75	1/2	4,593.41	1/2	4,236.06	1/2	3,877.92	1/2	3,519.77	1/2	3,161.63	1/2	2,803.43
3/4		3/4		3/4		3/4	4,941.41	3/4	4,585.97	3/4	4,228.60	3/4	3,870.46	3/4	3,512.31	3/4	3,154.17	3/4	2,795.97
4		4		4		4	4,934.07	4	4,578.53	4	4,221.14	4	3,862.99	4	3,504.85	4	3,146.71	4	2,788.50
1/4		1/4		1/4		1/4	4,926.74	1/4	4,571.09	1/4	4,213.68	1/4	3,855.53	1/4	3,497.39	1/4	3,139.25	1/4	2,781.04
1/2		1/2		1/2		1/2	4,919.33	1/2	4,563.65	1/2	4,206.21	1/2	3,848.07	1/2	3,489.93	1/2	3,131.79	1/2	2,773.57
3/4		3/4		3/4		3/4	4,911.93	3/4	4,556.21	3/4	4,198.75	3/4	3,840.61	3/4	3,482.47	3/4	3,124.33	3/4	2,766.11
5		5		5		5	4,904.53	5	4,548.77	5	4,191.29	5	3,833.15	5	3,475.01	5	3,116.86	5	2,758.64
1/4		1/4		1/4		1/4	4,897.12	1/4	4,541.33	1/4	4,183.83	1/4	3,825.69	1/4	3,467.55	1/4	3,109.40	1/4	2,751.18
1/2		1/2		1/2		1/2	4,889.72	1/2	4,533.89	1/2	4,176.37	1/2	3,818.23	1/2	3,460.08	1/2	3,101.94	1/2	2,743.71
3/4		3/4		3/4		3/4	4,882.31	3/4	4,526.45	3/4	4,168.91	3/4	3,810.77	3/4	3,452.62	3/4	3,094.48	3/4	2,736.25
6		6		6		6	4,874.91	6	4,519.01	6	4,161.45	6	3,803.30	6	3,445.16	6	3,087.02	6	2,728.78
1/4		1/4		1/4		1/4	4,867.51	1/4	4,511.57	1/4	4,153.98	1/4	3,795.84	1/4	3,437.70	1/4	3,079.56	1/4	2,721.31
1/2		1/2		1/2		1/2	4,860.10	1/2	4,504.13	1/2	4,146.52	1/2	3,788.38	1/2	3,430.24	1/2	3,072.10	1/2	2,713.85
3/4		3/4		3/4		3/4	4,852.70	3/4	4,496.69	3/4	4,139.06	3/4	3,780.92	3/4	3,422.78	3/4	3,064.64	3/4	2,706.38
7		7		7		7	4,845.29	7	4,489.25	7	4,131.60	7	3,773.46	7	3,415.32	7	3,057.17	7	2,698.92
1/4		1/4		1/4		1/4	4,837.89	1/4	4,481.81	1/4	4,124.14	1/4	3,766.00	1/4	3,407.85	1/4	3,049.71	1/4	2,691.45
1/2		1/2		1/2		1/2	4,830.49	1/2	4,474.37	1/2	4,116.68	1/2	3,758.54	1/2	3,400.39	1/2	3,042.25	1/2	2,683.99
3/4		3/4		3/4		3/4	4,823.09	3/4	4,466.93	3/4	4,109.22	3/4	3,751.07	3/4	3,392.93	3/4	3,034.79	3/4	2,676.52
8		8		8		8	4,815.69	8	4,459.50	8	4,101.76	8	3,743.61	8	3,385.47	8	3,027.33	8	2,669.06
1/4		1/4		1/4		1/4	4,808.28	1/4	4,452.06	1/4	4,094.29	1/4	3,736.15	1/4	3,378.01	1/4	3,019.87	1/4	2,661.59
1/2		1/2		1/2		1/2	4,800.88	1/2	4,444.62	1/2	4,086.83	1/2	3,728.69	1/2	3,370.55	1/2	3,012.41	1/2	2,654.13
3/4		3/4		3/4		3/4	4,793.48	3/4	4,437.18	3/4	4,079.37	3/4	3,721.23	3/4	3,363.09	3/4	3,004.94	3/4	2,646.66
9		9		9		9	4,786.08	9	4,429.74	9	4,071.91	9	3,713.77	9	3,355.63	9	2,997.48	9	2,639.20
1/4		1/4		1/4		1/4	4,778.68	1/4	4,422.30	1/4	4,064.45	1/4	3,706.31	1/4	3,348.16	1/4	2,990.02	1/4	2,631.73
1/2		1/2		1/2		1/2	4,771.28	1/2	4,414.86	1/2	4,056.99	1/2	3,698.85	1/2	3,340.70	1/2	2,982.56	1/2	2,624.26
3/4		3/4		3/4		3/4	4,763.88	3/4	4,407.42	3/4	4,049.53	3/4	3,691.38	3/4	3,333.24	3/4	2,975.10	3/4	2,616.80
10		10		10		10	4,756.48	10	4,399.98	10	4,042.07	10	3,683.92	10	3,325.78	10	2,967.64	10	2,609.33
1/4		1/4		1/4		1/4	4,749.08	1/4	4,392.54	1/4	4,034.60	1/4	3,676.46	1/4	3,318.32	1/4	2,960.18	1/4	2,601.87
1/2		1/2		1/2		1/2	4,741.68	1/2	4,385.10	1/2	4,027.14	1/2	3,669.00	1/2	3,310.86	1/2	2,952.72	1/2	2,594.40
3/4		3/4		3/4		3/4	4,734.28	3/4	4,377.66	3/4	4,019.68	3/4	3,661.54	3/4	3,303.40	3/4	2,945.25	3/4	2,586.94
11		11		11		11	4,726.89	11	4,370.22	11	4,012.22	11	3,654.08	11	3,295.94	11	2,937.79	11	2,579.47
1/4		1/4		1/4		1/4	4,719.49	1/4	4,362.78	1/4	4,004.76	1/4	3,646.62	1/4	3,288.47	1/4	2,930.33	1/4	2,572.01
1/2		1/2		1/2		1/2	4,712.09	1/2	4,355.34	1/2	3,997.30	1/2	3,639.16	1/2	3,281.01	1/2	2,922.87	1/2	2,564.54
3/4		3/4		3/4		3/4	4,704.69	3/4	4,347.90	3/4	3,989.84	3/4	3,631.69	3/4	3,273.55	3/4	2,915.41	3/4	2,557.08

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 45'-06" 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 3135"

1 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,549.61	0	2,191.27	0	1,832.93	0	1,474.59	0	1,116.25	0	758.41	0	404.74	0	89.55	0		0	
1/4	2,542.15	1/4	2,183.81	1/4	1,825.47	1/4	1,467.13	1/4	1,108.79	1/4	750.95	1/4	397.68	1/4	83.43	1/4		1/4	
1/2	2,534.68	1/2	2,176.34	1/2	1,818.00	1/2	1,459.66	1/2	1,101.32	1/2	743.48	1/2	390.70	1/2	77.40	1/2		1/2	
3/4	2,527.21	3/4	2,168.88	3/4	1,810.54	3/4	1,452.20	3/4	1,093.86	3/4	736.02	3/4	383.73	3/4	71.37	3/4		3/4	
1	2,519.75	1	2,161.41	1	1,803.07	1	1,444.73	1	1,086.39	1	728.55	1	376.75	1	65.33	1		1	
1/4	2,512.28	1/4	2,153.94	1/4	1,795.61	1/4	1,437.27	1/4	1,078.93	1/4	721.09	1/4	369.78	1/4	59.30	1/4		1/4	
1/2	2,504.82	1/2	2,146.48	1/2	1,788.14	1/2	1,429.80	1/2	1,071.46	1/2	713.62	1/2	362.88	1/2	53.82	1/2		1/2	
3/4	2,497.35	3/4	2,139.01	3/4	1,780.67	3/4	1,422.34	3/4	1,064.00	3/4	706.16	3/4	355.98	3/4	48.33	3/4		3/4	
2	2,489.89	2	2,131.55	2	1,773.21	2	1,414.87	2	1,056.54	2	698.69	2	349.07	2	42.85	2		2	
1/4	2,482.42	1/4	2,124.08	1/4	1,765.74	1/4	1,407.40	1/4	1,049.08	1/4	691.23	1/4	342.17	1/4	37.37	1/4		1/4	
1/2	2,474.96	1/2	2,116.62	1/2	1,758.28	1/2	1,399.94	1/2	1,041.62	1/2	683.76	1/2	335.34	1/2	33.36	1/2		1/2	
3/4	2,467.49	3/4	2,109.15	3/4	1,750.81	3/4	1,392.47	3/4	1,034.16	3/4	676.30	3/4	328.52	3/4	29.36	3/4		3/4	
3	2,460.03	3	2,101.69	3	1,743.35	3	1,385.01	3	1,026.70	3	668.83	3	321.69	3	25.36	3		3	
1/4	2,452.56	1/4	2,094.22	1/4	1,735.88	1/4	1,377.54	1/4	1,019.24	1/4	661.37	1/4	314.86	1/4	21.35	1/4		1/4	
1/2	2,445.10	1/2	2,086.76	1/2	1,728.42	1/2	1,370.08	1/2	1,011.79	1/2	653.90	1/2	308.11	1/2	18.44	1/2		1/2	
3/4	2,437.63	3/4	2,079.29	3/4	1,720.95	3/4	1,362.61	3/4	1,004.33	3/4	646.44	3/4	301.37	3/4		3/4		3/4	
4	2,430.16	4	2,071.83	4	1,713.49	4	1,355.15	4	996.88	4	638.97	4	294.62	4		4		4	
1/4	2,422.70	1/4	2,064.36	1/4	1,706.02	1/4	1,347.68	1/4	989.42	1/4	631.50	1/4	287.87	1/4		1/4		1/4	
1/2	2,415.23	1/2	2,056.89	1/2	1,698.56	1/2	1,340.22	1/2	981.97	1/2	624.04	1/2	281.20	1/2		1/2		1/2	
3/4	2,407.77	3/4	2,049.43	3/4	1,691.09	3/4	1,332.75	3/4	974.52	3/4	616.57	3/4	274.54	3/4		3/4		3/4	
5	2,400.30	5	2,041.96	5	1,683.62	5	1,325.29	5	967.07	5	609.11	5	267.87	5		5		5	
1/4	2,392.84	1/4	2,034.50	1/4	1,676.16	1/4	1,317.82	1/4	959.62	1/4	601.64	1/4	261.20	1/4		1/4		1/4	
1/2	2,385.37	1/2	2,027.03	1/2	1,668.69	1/2	1,310.35	1/2	952.16	1/2	594.18	1/2	254.62	1/2		1/2		1/2	
3/4	2,377.91	3/4	2,019.57	3/4	1,661.23	3/4	1,302.89	3/4	944.71	3/4	586.71	3/4	248.03	3/4		3/4		3/4	
6	2,370.44	6	2,012.10	6	1,653.76	6	1,295.42	6	937.26	6	579.25	6	241.45	6		6		6	
1/4	2,362.98	1/4	2,004.64	1/4	1,646.30	1/4	1,287.96	1/4	929.81	1/4	571.78	1/4	234.86	1/4		1/4		1/4	
1/2	2,355.51	1/2	1,997.17	1/2	1,638.83	1/2	1,280.49	1/2	922.36	1/2	564.34	1/2	228.36	1/2		1/2		1/2	
3/4	2,348.04	3/4	1,989.71	3/4	1,631.37	3/4	1,273.03	3/4	914.91	3/4	556.90	3/4	221.85	3/4		3/4		3/4	
7	2,340.58	7	1,982.24	7	1,623.90	7	1,265.56	7	907.46	7	549.47	7	215.35	7		7		7	
1/4	2,333.11	1/4	1,974.77	1/4	1,616.44	1/4	1,258.10	1/4	900.00	1/4	542.03	1/4	208.84	1/4		1/4		1/4	
1/2	2,325.65	1/2	1,967.31	1/2	1,608.97	1/2	1,250.63	1/2	892.55	1/2	534.65	1/2	202.42	1/2		1/2		1/2	
3/4	2,318.18	3/4	1,959.84	3/4	1,601.50	3/4	1,243.17	3/4	885.10	3/4	527.28	3/4	196.00	3/4		3/4		3/4	
8	2,310.72	8	1,952.38	8	1,594.04	8	1,235.70	8	877.65	8	519.91	8	189.58	8		8		8	
1/4	2,303.25	1/4	1,944.91	1/4	1,586.57	1/4	1,228.23	1/4	870.20	1/4	512.53	1/4	183.15	1/4		1/4		1/4	
1/2	2,295.79	1/2	1,937.45	1/2	1,579.11	1/2	1,220.77	1/2	862.75	1/2	505.24	1/2	176.81	1/2		1/2		1/2	
3/4	2,288.32	3/4	1,929.98	3/4	1,571.64	3/4	1,213.30	3/4	855.30	3/4	497.94	3/4	170.46	3/4		3/4		3/4	
9	2,280.86	9	1,922.52	9	1,564.18	9	1,205.84	9	847.84	9	490.64	9	164.11	9		9		9	
1/4	2,273.39	1/4	1,915.05	1/4	1,556.71	1/4	1,198.37	1/4	840.39	1/4	483.35	1/4	157.76	1/4		1/4		1/4	
1/2	2,265.93	1/2	1,907.59	1/2	1,549.25	1/2	1,190.91	1/2	832.94	1/2	476.13	1/2	151.49	1/2		1/2		1/2	
3/4	2,258.46	3/4	1,900.12	3/4	1,541.78	3/4	1,183.44	3/4	825.49	3/4	468.91	3/4	145.21	3/4		3/4		3/4	
10	2,250.99	10	1,892.66	10	1,534.32	10	1,175.98	10	818.04	10	461.69	10	138.94	10		10		10	
1/4	2,243.53	1/4	1,885.19	1/4	1,526.85	1/4	1,168.51	1/4	810.59	1/4	454.47	1/4	132.66	1/4		1/4		1/4	
1/2	2,236.06	1/2	1,877.72	1/2	1,519.39	1/2	1,161.05	1/2	803.13	1/2	447.33	1/2	126.47	1/2		1/2		1/2	
3/4	2,228.60	3/4	1,870.26	3/4	1,511.92	3/4	1,153.58	3/4	795.68	3/4	440.19	3/4	120.28	3/4		3/4		3/4	
11	2,221.13	11	1,862.79	11	1,504.45	11	1,146.12	11	788.23	11	433.05	11	114.08	11		11		11	
1/4	2,213.67	1/4	1,855.33	1/4	1,496.99	1/4	1,138.65	1/4	780.78	1/4	425.91	1/4	107.89	1/4		1/4		1/4	
1/2	2,206.20	1/2	1,847.86	1/2	1,489.52	1/2	1,131.18	1/2	773.32	1/2	418.85	1/2	101.77	1/2		1/2		1/2	
3/4	2,198.74	3/4	1,840.40	3/4	1,482.06	3/4	1,123.72	3/4	765.86	3/4	411.80	3/4	95.66	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/23/2014 CL
RECALCULATED: 02/11/2020 SW
REPRINTED: 02/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

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



BARGE "HTCO 3135"

2 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	4,763.94	0	4,406.37	0	4,047.53	0	3,688.64	0	3,329.76	0	2,970.86
1/4		1/4		1/4		1/4		1/4	4,756.52	1/4	4,398.91	1/4	4,040.05	1/4	3,681.17	1/4	3,322.28	1/4	2,963.38
1/2		1/2		1/2		1/2		1/2	4,749.11	1/2	4,391.44	1/2	4,032.58	1/2	3,673.69	1/2	3,314.80	1/2	2,955.90
3/4		3/4		3/4		3/4		3/4	4,741.69	3/4	4,383.97	3/4	4,025.10	3/4	3,666.21	3/4	3,307.33	3/4	2,948.42
1		1		1		1	5,078.58	1	4,734.28	1	4,376.50	1	4,017.62	1	3,658.74	1	3,299.85	1	2,940.94
1/4		1/4		1/4		1/4	5,073.83	1/4	4,726.86	1/4	4,369.03	1/4	4,010.15	1/4	3,651.26	1/4	3,292.37	1/4	2,933.46
1/2		1/2		1/2		1/2	5,068.02	1/2	4,719.42	1/2	4,361.55	1/2	4,002.67	1/2	3,643.78	1/2	3,284.90	1/2	2,925.98
3/4		3/4		3/4		3/4	5,062.20	3/4	4,711.99	3/4	4,354.08	3/4	3,995.19	3/4	3,636.31	3/4	3,277.42	3/4	2,918.50
2		2		2		2	5,056.38	2	4,704.55	2	4,346.60	2	3,987.71	2	3,628.83	2	3,269.94	2	2,911.02
1/4		1/4		1/4		1/4	5,050.57	1/4	4,697.12	1/4	4,339.12	1/4	3,980.24	1/4	3,621.35	1/4	3,262.47	1/4	2,903.54
1/2		1/2		1/2		1/2	5,043.75	1/2	4,689.66	1/2	4,331.65	1/2	3,972.76	1/2	3,613.87	1/2	3,254.99	1/2	2,896.06
3/4		3/4		3/4		3/4	5,036.93	3/4	4,682.21	3/4	4,324.17	3/4	3,965.28	3/4	3,606.40	3/4	3,247.51	3/4	2,888.58
3		3		3		3	5,030.11	3	4,674.75	3	4,316.69	3	3,957.81	3	3,598.92	3	3,240.03	3	2,881.09
1/4		1/4		1/4		1/4	5,023.29	1/4	4,667.30	1/4	4,309.22	1/4	3,950.33	1/4	3,591.44	1/4	3,232.56	1/4	2,873.61
1/2		1/2		1/2		1/2	5,015.94	1/2	4,659.84	1/2	4,301.74	1/2	3,942.85	1/2	3,583.97	1/2	3,225.08	1/2	2,866.13
3/4		3/4		3/4		3/4	5,008.58	3/4	4,652.39	3/4	4,294.26	3/4	3,935.38	3/4	3,576.49	3/4	3,217.60	3/4	2,858.65
4		4		4		4	5,001.23	4	4,644.93	4	4,286.79	4	3,927.90	4	3,569.01	4	3,210.13	4	2,851.17
1/4		1/4		1/4		1/4	4,993.87	1/4	4,637.48	1/4	4,279.31	1/4	3,920.42	1/4	3,561.54	1/4	3,202.65	1/4	2,843.69
1/2		1/2		1/2		1/2	4,986.46	1/2	4,630.02	1/2	4,271.83	1/2	3,912.95	1/2	3,554.06	1/2	3,195.17	1/2	2,836.21
3/4		3/4		3/4		3/4	4,979.04	3/4	4,622.57	3/4	4,264.36	3/4	3,905.47	3/4	3,546.58	3/4	3,187.70	3/4	2,828.73
5		5		5		5	4,971.62	5	4,615.11	5	4,256.88	5	3,897.99	5	3,539.11	5	3,180.22	5	2,821.25
1/4		1/4		1/4		1/4	4,964.20	1/4	4,607.66	1/4	4,249.40	1/4	3,890.52	1/4	3,531.63	1/4	3,172.74	1/4	2,813.77
1/2		1/2		1/2		1/2	4,956.78	1/2	4,600.20	1/2	4,241.93	1/2	3,883.04	1/2	3,524.15	1/2	3,165.27	1/2	2,806.29
3/4		3/4		3/4		3/4	4,949.36	3/4	4,592.75	3/4	4,234.45	3/4	3,875.56	3/4	3,516.68	3/4	3,157.79	3/4	2,798.80
6		6		6		6	4,941.94	6	4,585.29	6	4,226.97	6	3,868.09	6	3,509.20	6	3,150.31	6	2,791.32
1/4		1/4		1/4		1/4	4,934.52	1/4	4,577.84	1/4	4,219.50	1/4	3,860.61	1/4	3,501.72	1/4	3,142.84	1/4	2,783.84
1/2		1/2		1/2		1/2	4,927.10	1/2	4,570.38	1/2	4,212.02	1/2	3,853.13	1/2	3,494.25	1/2	3,135.36	1/2	2,776.36
3/4		3/4		3/4		3/4	4,919.68	3/4	4,562.93	3/4	4,204.54	3/4	3,845.66	3/4	3,486.77	3/4	3,127.88	3/4	2,768.88
7		7		7		7	4,912.26	7	4,555.47	7	4,197.07	7	3,838.18	7	3,479.29	7	3,120.41	7	2,761.40
1/4		1/4		1/4		1/4	4,904.84	1/4	4,548.01	1/4	4,189.59	1/4	3,830.70	1/4	3,471.82	1/4	3,112.93	1/4	2,753.92
1/2		1/2		1/2		1/2	4,897.42	1/2	4,540.56	1/2	4,182.11	1/2	3,823.23	1/2	3,464.34	1/2	3,105.45	1/2	2,746.44
3/4		3/4		3/4		3/4	4,890.01	3/4	4,533.10	3/4	4,174.63	3/4	3,815.75	3/4	3,456.86	3/4	3,097.98	3/4	2,738.96
8		8		8		8	4,882.59	8	4,525.65	8	4,167.16	8	3,808.27	8	3,449.39	8	3,090.50	8	2,731.48
1/4		1/4		1/4		1/4	4,875.17	1/4	4,518.19	1/4	4,159.68	1/4	3,800.79	1/4	3,441.91	1/4	3,083.02	1/4	2,724.00
1/2		1/2		1/2		1/2	4,867.76	1/2	4,510.74	1/2	4,152.20	1/2	3,793.32	1/2	3,434.43	1/2	3,075.55	1/2	2,716.51
3/4		3/4		3/4		3/4	4,860.34	3/4	4,503.28	3/4	4,144.73	3/4	3,785.84	3/4	3,426.95	3/4	3,068.07	3/4	2,709.03
9		9		9		9	4,852.93	9	4,495.83	9	4,137.25	9	3,778.36	9	3,419.48	9	3,060.59	9	2,701.55
1/4		1/4		1/4		1/4	4,845.51	1/4	4,488.37	1/4	4,129.77	1/4	3,770.89	1/4	3,412.00	1/4	3,053.11	1/4	2,694.07
1/2		1/2		1/2		1/2	4,838.09	1/2	4,480.92	1/2	4,122.30	1/2	3,763.41	1/2	3,404.52	1/2	3,045.64	1/2	2,686.59
3/4		3/4		3/4		3/4	4,830.68	3/4	4,473.46	3/4	4,114.82	3/4	3,755.93	3/4	3,397.05	3/4	3,038.16	3/4	2,679.11
10		10		10		10	4,823.26	10	4,466.01	10	4,107.34	10	3,748.46	10	3,389.57	10	3,030.68	10	2,671.63
1/4		1/4		1/4		1/4	4,815.85	1/4	4,458.55	1/4	4,099.87	1/4	3,740.98	1/4	3,382.09	1/4	3,023.21	1/4	2,664.15
1/2		1/2		1/2		1/2	4,808.43	1/2	4,451.10	1/2	4,092.39	1/2	3,733.50	1/2	3,374.62	1/2	3,015.73	1/2	2,656.67
3/4		3/4		3/4		3/4	4,801.02	3/4	4,443.64	3/4	4,084.91	3/4	3,726.03	3/4	3,367.14	3/4	3,008.25	3/4	2,649.19
11		11		11		11	4,793.60	11	4,436.19	11	4,077.44	11	3,718.55	11	3,359.66	11	3,000.78	11	2,641.71
1/4		1/4		1/4		1/4	4,786.19	1/4	4,428.73	1/4	4,069.96	1/4	3,711.07	1/4	3,352.19	1/4	2,993.30	1/4	2,634.23
1/2		1/2		1/2		1/2	4,778.77	1/2	4,421.28	1/2	4,062.48	1/2	3,703.60	1/2	3,344.71	1/2	2,985.82	1/2	2,626.74
3/4		3/4		3/4		3/4	4,771.35	3/4	4,413.82	3/4	4,055.01	3/4	3,696.12	3/4	3,337.23	3/4	2,978.34	3/4	2,619.26

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 45'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3135"

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	2,611.78	0	2,252.70	0	1,893.62	0	1,534.53	0	1,175.87	0	830.57	0	471.64	0	112.57	0		0	
1/4	2,604.30	1/4	2,245.22	1/4	1,886.14	1/4	1,527.05	1/4	1,168.53	1/4	823.24	1/4	464.16	1/4	105.09	1/4		1/4	
1/2	2,596.82	1/2	2,237.74	1/2	1,878.65	1/2	1,519.57	1/2	1,161.33	1/2	815.76	1/2	456.68	1/2	97.61	1/2		1/2	
3/4	2,589.34	3/4	2,230.26	3/4	1,871.17	3/4	1,512.09	3/4	1,154.14	3/4	808.28	3/4	449.20	3/4	90.13	3/4		3/4	
1	2,581.86	1	2,222.78	1	1,863.69	1	1,504.61	1	1,146.94	1	800.80	1	441.72	1	82.65	1		1	
1/4	2,574.38	1/4	2,215.29	1/4	1,856.21	1/4	1,497.13	1/4	1,139.74	1/4	793.31	1/4	434.24	1/4	75.17	1/4		1/4	
1/2	2,566.90	1/2	2,207.81	1/2	1,848.73	1/2	1,489.65	1/2	1,132.55	1/2	785.83	1/2	426.76	1/2	68.15	1/2		1/2	
3/4	2,559.42	3/4	2,200.33	3/4	1,841.25	3/4	1,482.17	3/4	1,125.36	3/4	778.35	3/4	419.28	3/4	61.14	3/4		3/4	
2	2,551.94	2	2,192.85	2	1,833.77	2	1,474.69	2	1,118.16	2	770.87	2	411.80	2	54.13	2		2	
1/4	2,544.45	1/4	2,185.37	1/4	1,826.29	1/4	1,467.20	1/4	1,110.97	1/4	763.39	1/4	404.32	1/4	47.12	1/4		1/4	
1/2	2,536.97	1/2	2,177.89	1/2	1,818.81	1/2	1,459.72	1/2	1,103.79	1/2	755.91	1/2	396.84	1/2	41.50	1/2		1/2	
3/4	2,529.49	3/4	2,170.41	3/4	1,811.33	3/4	1,452.24	3/4	1,096.60	3/4	748.43	3/4	389.36	3/4	35.89	3/4		3/4	
3	2,522.01	3	2,162.93	3	1,803.85	3	1,444.76	3	1,089.42	3	740.95	3	381.88	3	30.28	3		3	
1/4	2,514.53	1/4	2,155.45	1/4	1,796.36	1/4	1,437.28	1/4	1,082.24	1/4	733.47	1/4	374.40	1/4	24.67	1/4		1/4	
1/2	2,507.05	1/2	2,147.97	1/2	1,788.88	1/2	1,429.80	1/2	1,075.05	1/2	725.99	1/2	366.91	1/2	20.94	1/2		1/2	
3/4	2,499.57	3/4	2,140.49	3/4	1,781.40	3/4	1,422.32	3/4	1,067.87	3/4	718.51	3/4	359.43	3/4		3/4		3/4	
4	2,492.09	4	2,133.00	4	1,773.92	4	1,414.84	4	1,060.69	4	711.03	4	351.95	4		4		4	
1/4	2,484.61	1/4	2,125.52	1/4	1,766.44	1/4	1,407.36	1/4	1,053.51	1/4	703.55	1/4	344.47	1/4		1/4		1/4	
1/2	2,477.13	1/2	2,118.04	1/2	1,758.96	1/2	1,399.88	1/2	1,046.34	1/2	696.07	1/2	336.99	1/2		1/2		1/2	
3/4	2,469.65	3/4	2,110.56	3/4	1,751.48	3/4	1,392.40	3/4	1,039.16	3/4	688.58	3/4	329.51	3/4		3/4		3/4	
5	2,462.16	5	2,103.08	5	1,744.00	5	1,384.91	5	1,031.98	5	681.10	5	322.03	5		5		5	
1/4	2,454.68	1/4	2,095.60	1/4	1,736.52	1/4	1,377.43	1/4	1,024.80	1/4	673.62	1/4	314.55	1/4		1/4		1/4	
1/2	2,447.20	1/2	2,088.12	1/2	1,729.04	1/2	1,369.95	1/2	1,017.63	1/2	666.14	1/2	307.07	1/2		1/2		1/2	
3/4	2,439.72	3/4	2,080.64	3/4	1,721.56	3/4	1,362.47	3/4	1,010.45	3/4	658.66	3/4	299.59	3/4		3/4		3/4	
6	2,432.24	6	2,073.16	6	1,714.07	6	1,354.99	6	1,003.27	6	651.18	6	292.11	6		6		6	
1/4	2,424.76	1/4	2,065.68	1/4	1,706.59	1/4	1,347.51	1/4	996.10	1/4	643.70	1/4	284.63	1/4		1/4		1/4	
1/2	2,417.28	1/2	2,058.20	1/2	1,699.11	1/2	1,340.03	1/2	988.92	1/2	636.22	1/2	277.15	1/2		1/2		1/2	
3/4	2,409.80	3/4	2,050.71	3/4	1,691.63	3/4	1,332.55	3/4	981.74	3/4	628.74	3/4	269.67	3/4		3/4		3/4	
7	2,402.32	7	2,043.23	7	1,684.15	7	1,325.07	7	974.56	7	621.26	7	262.18	7		7		7	
1/4	2,394.84	1/4	2,035.75	1/4	1,676.67	1/4	1,317.59	1/4	967.39	1/4	613.78	1/4	254.70	1/4		1/4		1/4	
1/2	2,387.36	1/2	2,028.27	1/2	1,669.19	1/2	1,310.11	1/2	960.21	1/2	606.30	1/2	247.22	1/2		1/2		1/2	
3/4	2,379.87	3/4	2,020.79	3/4	1,661.71	3/4	1,302.62	3/4	953.03	3/4	598.82	3/4	239.74	3/4		3/4		3/4	
8	2,372.39	8	2,013.31	8	1,654.23	8	1,295.14	8	945.85	8	591.34	8	232.26	8		8		8	
1/4	2,364.91	1/4	2,005.83	1/4	1,646.75	1/4	1,287.66	1/4	938.68	1/4	583.86	1/4	224.78	1/4		1/4		1/4	
1/2	2,357.43	1/2	1,998.35	1/2	1,639.27	1/2	1,280.18	1/2	931.50	1/2	576.37	1/2	217.30	1/2		1/2		1/2	
3/4	2,349.95	3/4	1,990.87	3/4	1,631.78	3/4	1,272.70	3/4	924.32	3/4	568.89	3/4	209.82	3/4		3/4		3/4	
9	2,342.47	9	1,983.39	9	1,624.30	9	1,265.22	9	917.15	9	561.41	9	202.34	9		9		9	
1/4	2,334.99	1/4	1,975.91	1/4	1,616.82	1/4	1,257.74	1/4	909.97	1/4	553.93	1/4	194.86	1/4		1/4		1/4	
1/2	2,327.51	1/2	1,968.42	1/2	1,609.34	1/2	1,250.26	1/2	902.79	1/2	546.45	1/2	187.38	1/2		1/2		1/2	
3/4	2,320.03	3/4	1,960.94	3/4	1,601.86	3/4	1,242.78	3/4	895.61	3/4	538.97	3/4	179.90	3/4		3/4		3/4	
10	2,312.55	10	1,953.46	10	1,594.38	10	1,235.30	10	888.44	10	531.49	10	172.42	10		10		10	
1/4	2,305.07	1/4	1,945.98	1/4	1,586.90	1/4	1,227.82	1/4	881.26	1/4	524.01	1/4	164.94	1/4		1/4		1/4	
1/2	2,297.58	1/2	1,938.50	1/2	1,579.42	1/2	1,220.33	1/2	874.08	1/2	516.53	1/2	157.46	1/2		1/2		1/2	
3/4	2,290.10	3/4	1,931.02	3/4	1,571.94	3/4	1,212.85	3/4	866.91	3/4	509.05	3/4	149.97	3/4		3/4		3/4	
11	2,282.62	11	1,923.54	11	1,564.46	11	1,205.37	11	859.73	11	501.57	11	142.49	11		11		11	
1/4	2,275.14	1/4	1,916.06	1/4	1,556.98	1/4	1,197.89	1/4	852.55	1/4	494.09	1/4	135.01	1/4		1/4		1/4	
1/2	2,267.66	1/2	1,908.58	1/2	1,549.49	1/2	1,190.55	1/2	845.22	1/2	486.61	1/2	127.53	1/2		1/2		1/2	
3/4	2,260.18	3/4	1,901.10	3/4	1,542.01	3/4	1,183.21	3/4	837.89	3/4	479.13	3/4	120.05	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/23/2014 CL
RECALCULATED: 02/11/2020 SW
REPRINTED: 02/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT
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P.O. Box 2092
Pearland, Texas 77588
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BARGE "HTCO 3135"

2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,769.25	0	4,411.73	0	4,052.98	0	3,694.17	0	3,335.37	0	2,976.56
1/4		1/4		1/4		1/4		1/4	4,761.84	1/4	4,404.27	1/4	4,045.50	1/4	3,686.70	1/4	3,327.89	1/4	2,969.08
1/2		1/2		1/2		1/2		1/2	4,754.42	1/2	4,396.80	1/2	4,038.03	1/2	3,679.22	1/2	3,320.42	1/2	2,961.60
3/4		3/4		3/4		3/4		3/4	5,091.22	3/4	4,747.01	3/4	4,389.34	3/4	4,030.55	3/4	3,671.75	3/4	3,312.94
1		1		1		1		1	5,086.47	1	4,739.60	1	4,381.88	1	4,023.08	1	3,664.27	1	3,305.47
1/4		1/4		1/4		1/4		1/4	5,080.66	1/4	4,732.16	1/4	4,374.41	1/4	4,015.60	1/4	3,656.80	1/4	3,297.99
1/2		1/2		1/2		1/2		1/2	5,074.84	1/2	4,724.73	1/2	4,366.93	1/2	4,008.13	1/2	3,649.32	1/2	3,290.52
3/4		3/4		3/4		3/4		3/4	5,069.03	3/4	4,717.30	3/4	4,359.46	3/4	4,000.65	3/4	3,641.85	3/4	3,283.04
2		2		2		2		2	5,063.21	2	4,709.86	2	4,351.98	2	3,993.18	2	3,634.37	2	3,275.57
1/4		1/4		1/4		1/4		1/4	5,056.40	1/4	4,702.41	1/4	4,344.51	1/4	3,985.70	1/4	3,626.90	1/4	3,268.09
1/2		1/2		1/2		1/2		1/2	5,049.58	1/2	4,694.96	1/2	4,337.03	1/2	3,978.23	1/2	3,619.42	1/2	3,260.62
3/4		3/4		3/4		3/4		3/4	5,042.76	3/4	4,687.50	3/4	4,329.55	3/4	3,970.75	3/4	3,611.95	3/4	3,253.14
3		3		3		3		3	5,035.95	3	4,680.05	3	4,322.08	3	3,963.28	3	3,604.47	3	3,245.67
1/4		1/4		1/4		1/4		1/4	5,028.60	1/4	4,672.60	1/4	4,314.60	1/4	3,955.80	1/4	3,597.00	1/4	3,238.19
1/2		1/2		1/2		1/2		1/2	5,021.24	1/2	4,665.14	1/2	4,307.13	1/2	3,948.32	1/2	3,589.52	1/2	3,230.72
3/4		3/4		3/4		3/4		3/4	5,013.89	3/4	4,657.69	3/4	4,299.65	3/4	3,940.85	3/4	3,582.05	3/4	3,223.24
4		4		4		4		4	5,006.54	4	4,650.24	4	4,292.18	4	3,933.37	4	3,574.57	4	3,215.77
1/4		1/4		1/4		1/4		1/4	4,999.12	1/4	4,642.78	1/4	4,284.70	1/4	3,925.90	1/4	3,567.09	1/4	3,208.29
1/2		1/2		1/2		1/2		1/2	4,991.71	1/2	4,635.33	1/2	4,277.23	1/2	3,918.42	1/2	3,559.62	1/2	3,200.81
3/4		3/4		3/4		3/4		3/4	4,984.29	3/4	4,627.88	3/4	4,269.75	3/4	3,910.95	3/4	3,552.14	3/4	3,193.34
5		5		5		5		5	4,976.87	5	4,620.42	5	4,262.28	5	3,903.47	5	3,544.67	5	3,185.86
1/4		1/4		1/4		1/4		1/4	4,969.45	1/4	4,612.97	1/4	4,254.80	1/4	3,896.00	1/4	3,537.19	1/4	3,178.39
1/2		1/2		1/2		1/2		1/2	4,962.04	1/2	4,605.52	1/2	4,247.33	1/2	3,888.52	1/2	3,529.72	1/2	3,170.91
3/4		3/4		3/4		3/4		3/4	4,954.62	3/4	4,598.06	3/4	4,239.85	3/4	3,881.05	3/4	3,522.24	3/4	3,163.44
6		6		6		6		6	4,947.20	6	4,590.61	6	4,232.38	6	3,873.57	6	3,514.77	6	3,155.96
1/4		1/4		1/4		1/4		1/4	4,939.78	1/4	4,583.16	1/4	4,224.90	1/4	3,866.10	1/4	3,507.29	1/4	3,148.49
1/2		1/2		1/2		1/2		1/2	4,932.37	1/2	4,575.70	1/2	4,217.43	1/2	3,858.62	1/2	3,499.82	1/2	3,141.01
3/4		3/4		3/4		3/4		3/4	4,924.95	3/4	4,568.25	3/4	4,209.95	3/4	3,851.15	3/4	3,492.34	3/4	3,133.54
7		7		7		7		7	4,917.53	7	4,560.80	7	4,202.48	7	3,843.67	7	3,484.87	7	3,126.06
1/4		1/4		1/4		1/4		1/4	4,910.12	1/4	4,553.34	1/4	4,195.00	1/4	3,836.20	1/4	3,477.39	1/4	3,118.59
1/2		1/2		1/2		1/2		1/2	4,902.70	1/2	4,545.89	1/2	4,187.53	1/2	3,828.72	1/2	3,469.92	1/2	3,111.11
3/4		3/4		3/4		3/4		3/4	4,895.28	3/4	4,538.44	3/4	4,180.05	3/4	3,821.25	3/4	3,462.44	3/4	3,103.64
8		8		8		8		8	4,887.87	8	4,530.98	8	4,172.58	8	3,813.77	8	3,454.97	8	3,096.16
1/4		1/4		1/4		1/4		1/4	4,880.45	1/4	4,523.53	1/4	4,165.10	1/4	3,806.30	1/4	3,447.49	1/4	3,088.69
1/2		1/2		1/2		1/2		1/2	4,873.04	1/2	4,516.08	1/2	4,157.63	1/2	3,798.82	1/2	3,440.02	1/2	3,081.21
3/4		3/4		3/4		3/4		3/4	4,865.63	3/4	4,508.62	3/4	4,150.15	3/4	3,791.35	3/4	3,432.54	3/4	3,073.74
9		9		9		9		9	4,858.21	9	4,501.17	9	4,142.68	9	3,783.87	9	3,425.07	9	3,066.26
1/4		1/4		1/4		1/4		1/4	4,850.80	1/4	4,493.72	1/4	4,135.20	1/4	3,776.40	1/4	3,417.59	1/4	3,058.79
1/2		1/2		1/2		1/2		1/2	4,843.39	1/2	4,486.26	1/2	4,127.73	1/2	3,768.92	1/2	3,410.12	1/2	3,051.31
3/4		3/4		3/4		3/4		3/4	4,835.97	3/4	4,478.81	3/4	4,120.25	3/4	3,761.45	3/4	3,402.64	3/4	3,043.84
10		10		10		10		10	4,828.56	10	4,471.36	10	4,112.78	10	3,753.97	10	3,395.17	10	3,036.36
1/4		1/4		1/4		1/4		1/4	4,821.15	1/4	4,463.90	1/4	4,105.30	1/4	3,746.50	1/4	3,387.69	1/4	3,028.89
1/2		1/2		1/2		1/2		1/2	4,813.73	1/2	4,456.45	1/2	4,097.83	1/2	3,739.02	1/2	3,380.22	1/2	3,021.41
3/4		3/4		3/4		3/4		3/4	4,806.32	3/4	4,449.00	3/4	4,090.35	3/4	3,731.55	3/4	3,372.74	3/4	3,013.94
11		11		11		11		11	4,798.91	11	4,441.54	11	4,082.88	11	3,724.07	11	3,365.27	11	3,006.46
1/4		1/4		1/4		1/4		1/4	4,791.49	1/4	4,434.09	1/4	4,075.40	1/4	3,716.60	1/4	3,357.79	1/4	2,998.99
1/2		1/2		1/2		1/2		1/2	4,784.08	1/2	4,426.64	1/2	4,067.93	1/2	3,709.12	1/2	3,350.32	1/2	2,991.51
3/4		3/4		3/4		3/4		3/4	4,776.66	3/4	4,419.18	3/4	4,060.45	3/4	3,701.65	3/4	3,342.84	3/4	2,984.03

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 45'-06" 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 3135"

2 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 1/4"

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	2,617.56	0	2,258.57	0	1,899.57	0	1,540.57	0	1,181.58	0	823.04	0	464.06	0	105.07	0		0	
1/4	2,610.08	1/4	2,251.09	1/4	1,892.09	1/4	1,533.09	1/4	1,174.10	1/4	815.56	1/4	456.58	1/4	97.59	1/4		1/4	
1/2	2,602.60	1/2	2,243.61	1/2	1,884.61	1/2	1,525.61	1/2	1,166.62	1/2	808.09	1/2	449.10	1/2	90.11	1/2		1/2	
3/4	2,595.12	3/4	2,236.13	3/4	1,877.13	3/4	1,518.13	3/4	1,159.14	3/4	800.61	3/4	441.62	3/4	82.63	3/4		3/4	
1	2,587.65	1	2,228.65	1	1,869.65	1	1,510.66	1	1,151.66	1	793.13	1	434.14	1	75.15	1		1	
1/4	2,580.17	1/4	2,221.17	1/4	1,862.17	1/4	1,503.18	1/4	1,144.18	1/4	785.65	1/4	426.66	1/4	68.14	1/4		1/4	
1/2	2,572.69	1/2	2,213.69	1/2	1,854.69	1/2	1,495.70	1/2	1,136.71	1/2	778.17	1/2	419.18	1/2	61.13	1/2		1/2	
3/4	2,565.21	3/4	2,206.21	3/4	1,847.21	3/4	1,488.22	3/4	1,129.23	3/4	770.69	3/4	411.70	3/4	54.12	3/4		3/4	
2	2,557.73	2	2,198.73	2	1,839.74	2	1,480.74	2	1,121.75	2	763.21	2	404.23	2	47.11	2		2	
1/4	2,550.25	1/4	2,191.25	1/4	1,832.26	1/4	1,473.26	1/4	1,114.28	1/4	755.73	1/4	396.75	1/4	41.50	1/4		1/4	
1/2	2,542.77	1/2	2,183.77	1/2	1,824.78	1/2	1,465.78	1/2	1,106.81	1/2	748.25	1/2	389.27	1/2	35.89	1/2		1/2	
3/4	2,535.29	3/4	2,176.30	3/4	1,817.30	3/4	1,458.30	3/4	1,099.33	3/4	740.78	3/4	381.79	3/4	30.28	3/4		3/4	
3	2,527.81	3	2,168.82	3	1,809.82	3	1,450.82	3	1,091.86	3	733.30	3	374.31	3	24.67	3		3	
1/4	2,520.33	1/4	2,161.34	1/4	1,802.34	1/4	1,443.34	1/4	1,084.39	1/4	725.82	1/4	366.83	1/4	20.93	1/4		1/4	
1/2	2,512.85	1/2	2,153.86	1/2	1,794.86	1/2	1,435.86	1/2	1,076.92	1/2	718.34	1/2	359.35	1/2		1/2		1/2	
3/4	2,505.38	3/4	2,146.38	3/4	1,787.38	3/4	1,428.39	3/4	1,069.45	3/4	710.86	3/4	351.87	3/4		3/4		3/4	
4	2,497.90	4	2,138.90	4	1,779.90	4	1,420.91	4	1,061.98	4	703.38	4	344.39	4	4	4		4	
1/4	2,490.42	1/4	2,131.42	1/4	1,772.42	1/4	1,413.43	1/4	1,054.51	1/4	695.90	1/4	336.92	1/4		1/4		1/4	
1/2	2,482.94	1/2	2,123.94	1/2	1,764.94	1/2	1,405.95	1/2	1,047.05	1/2	688.42	1/2	329.44	1/2		1/2		1/2	
3/4	2,475.46	3/4	2,116.46	3/4	1,757.47	3/4	1,398.47	3/4	1,039.58	3/4	680.94	3/4	321.96	3/4		3/4		3/4	
5	2,467.98	5	2,108.98	5	1,749.99	5	1,390.99	5	1,032.12	5	673.47	5	314.48	5	5	5		5	
1/4	2,460.50	1/4	2,101.50	1/4	1,742.51	1/4	1,383.51	1/4	1,024.65	1/4	665.99	1/4	307.00	1/4		1/4		1/4	
1/2	2,453.02	1/2	2,094.03	1/2	1,735.03	1/2	1,376.03	1/2	1,017.18	1/2	658.51	1/2	299.52	1/2		1/2		1/2	
3/4	2,445.54	3/4	2,086.55	3/4	1,727.55	3/4	1,368.55	3/4	1,009.72	3/4	651.03	3/4	292.04	3/4		3/4		3/4	
6	2,438.06	6	2,079.07	6	1,720.07	6	1,361.07	6	1,002.25	6	643.55	6	284.56	6	6	6		6	
1/4	2,430.58	1/4	2,071.59	1/4	1,712.59	1/4	1,353.59	1/4	994.78	1/4	636.07	1/4	277.08	1/4		1/4		1/4	
1/2	2,423.11	1/2	2,064.11	1/2	1,705.11	1/2	1,346.12	1/2	987.32	1/2	628.59	1/2	269.61	1/2		1/2		1/2	
3/4	2,415.63	3/4	2,056.63	3/4	1,697.63	3/4	1,338.64	3/4	979.85	3/4	621.11	3/4	262.13	3/4		3/4		3/4	
7	2,408.15	7	2,049.15	7	1,690.15	7	1,331.16	7	972.39	7	613.63	7	254.65	7	7	7		7	
1/4	2,400.67	1/4	2,041.67	1/4	1,682.67	1/4	1,323.68	1/4	964.92	1/4	606.16	1/4	247.17	1/4		1/4		1/4	
1/2	2,393.19	1/2	2,034.19	1/2	1,675.20	1/2	1,316.20	1/2	957.45	1/2	598.68	1/2	239.69	1/2		1/2		1/2	
3/4	2,385.71	3/4	2,026.71	3/4	1,667.72	3/4	1,308.72	3/4	949.99	3/4	591.20	3/4	232.21	3/4		3/4		3/4	
8	2,378.23	8	2,019.23	8	1,660.24	8	1,301.24	8	942.52	8	583.72	8	224.73	8	8	8		8	
1/4	2,370.75	1/4	2,011.76	1/4	1,652.76	1/4	1,293.76	1/4	935.06	1/4	576.24	1/4	217.25	1/4		1/4		1/4	
1/2	2,363.27	1/2	2,004.28	1/2	1,645.28	1/2	1,286.28	1/2	927.59	1/2	568.76	1/2	209.77	1/2		1/2		1/2	
3/4	2,355.79	3/4	1,996.80	3/4	1,637.80	3/4	1,278.80	3/4	920.12	3/4	561.28	3/4	202.30	3/4		3/4		3/4	
9	2,348.31	9	1,989.32	9	1,630.32	9	1,271.32	9	912.66	9	553.80	9	194.82	9	9	9		9	
1/4	2,340.84	1/4	1,981.84	1/4	1,622.84	1/4	1,263.85	1/4	905.19	1/4	546.32	1/4	187.34	1/4		1/4		1/4	
1/2	2,333.36	1/2	1,974.36	1/2	1,615.36	1/2	1,256.37	1/2	897.73	1/2	538.85	1/2	179.86	1/2		1/2		1/2	
3/4	2,325.88	3/4	1,966.88	3/4	1,607.88	3/4	1,248.89	3/4	890.26	3/4	531.37	3/4	172.38	3/4		3/4		3/4	
10	2,318.40	10	1,959.40	10	1,600.40	10	1,241.41	10	882.79	10	523.89	10	164.90	10	10	10		10	
1/4	2,310.92	1/4	1,951.92	1/4	1,592.93	1/4	1,233.93	1/4	875.33	1/4	516.41	1/4	157.42	1/4		1/4		1/4	
1/2	2,303.44	1/2	1,944.44	1/2	1,585.45	1/2	1,226.45	1/2	867.86	1/2	508.93	1/2	149.94	1/2		1/2		1/2	
3/4	2,295.96	3/4	1,936.96	3/4	1,577.97	3/4	1,218.97	3/4	860.40	3/4	501.45	3/4	142.46	3/4		3/4		3/4	
11	2,288.48	11	1,929.49	11	1,570.49	11	1,211.49	11	852.93	11	493.97	11	134.99	11	11	11		11	
1/4	2,281.00	1/4	1,922.01	1/4	1,563.01	1/4	1,204.01	1/4	845.46	1/4	486.49	1/4	127.51	1/4		1/4		1/4	
1/2	2,273.52	1/2	1,914.53	1/2	1,555.53	1/2	1,196.53	1/2	837.99	1/2	479.01	1/2	120.03	1/2		1/2		1/2	
3/4	2,266.04	3/4	1,907.05	3/4	1,548.05	3/4	1,189.05	3/4	830.52	3/4	471.54	3/4	112.55	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/23/2014 CL
RECALCULATED: 02/11/2020 SW
REPRINTED: 02/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "HTCO 3135"

3 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0		0	4,370.73	0	4,124.74	0	3,877.90	0	3,631.01	0	3,305.09	0	2,949.18		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,365.63	1/4	4,119.61	1/4	3,872.75	1/4	3,625.87	1/4	3,297.69	1/4	2,941.77		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,360.53	1/2	4,114.47	1/2	3,867.61	1/2	3,620.73	1/2	3,290.29	1/2	2,934.35		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,355.43	3/4	4,109.34	3/4	3,862.47	3/4	3,615.58	3/4	3,282.89	3/4	2,926.93		
1	1	1	1	1	1	1	1	1	4,583.58	1	4,350.33	1	4,104.20	1	3,857.32	1	3,610.44	1	3,275.50	1	2,919.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,581.13	1/4	4,345.23	1/4	4,099.06	1/4	3,852.18	1/4	3,605.30	1/4	3,268.10	1/4	2,912.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,577.63	1/2	4,340.11	1/2	4,093.92	1/2	3,847.04	1/2	3,600.15	1/2	3,260.69	1/2	2,904.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,574.12	3/4	4,335.00	3/4	4,088.78	3/4	3,841.89	3/4	3,595.01	3/4	3,253.29	3/4	2,897.24
2	2	2	2	2	2	2	2	2	4,570.61	2	4,329.88	2	4,083.63	2	3,836.75	2	3,589.87	2	3,245.88	2	2,889.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,567.10	1/4	4,324.76	1/4	4,078.49	1/4	3,831.61	1/4	3,584.72	1/4	3,238.47	1/4	2,882.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,562.59	1/2	4,319.64	1/2	4,073.35	1/2	3,826.46	1/2	3,579.01	1/2	3,231.06	1/2	2,874.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,558.09	3/4	4,314.51	3/4	4,068.20	3/4	3,821.32	3/4	3,573.29	3/4	3,223.64	3/4	2,867.56
3	3	3	3	3	3	3	3	3	4,553.58	3	4,309.38	3	4,063.06	3	3,816.18	3	3,567.57	3	3,216.22	3	2,860.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,549.07	1/4	4,304.25	1/4	4,057.92	1/4	3,811.03	1/4	3,561.86	1/4	3,208.80	1/4	2,852.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,544.03	1/2	4,299.12	1/2	4,052.77	1/2	3,805.89	1/2	3,555.01	1/2	3,201.38	1/2	2,845.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,539.00	3/4	4,293.99	3/4	4,047.63	3/4	3,800.75	3/4	3,548.16	3/4	3,193.97	3/4	2,837.88
4	4	4	4	4	4	4	4	4	4,533.96	4	4,288.86	4	4,042.49	4	3,795.60	4	3,541.31	4	3,186.55	4	2,830.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,528.92	1/4	4,283.73	1/4	4,037.34	1/4	3,790.46	1/4	3,534.46	1/4	3,179.13	1/4	2,823.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,523.82	1/2	4,278.60	1/2	4,032.20	1/2	3,785.32	1/2	3,527.05	1/2	3,171.71	1/2	2,815.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,518.71	3/4	4,273.48	3/4	4,027.06	3/4	3,780.17	3/4	3,519.64	3/4	3,164.30	3/4	2,808.20
5	5	5	5	5	5	5	5	5	4,513.61	5	4,268.35	5	4,021.91	5	3,775.03	5	3,512.23	5	3,156.88	5	2,800.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,508.50	1/4	4,263.22	1/4	4,016.77	1/4	3,769.89	1/4	3,504.82	1/4	3,149.46	1/4	2,793.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,503.40	1/2	4,258.09	1/2	4,011.63	1/2	3,764.74	1/2	3,497.42	1/2	3,142.04	1/2	2,785.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,498.30	3/4	4,252.96	3/4	4,006.48	3/4	3,759.60	3/4	3,490.02	3/4	3,134.63	3/4	2,778.52
6	6	6	6	6	6	6	6	6	4,493.19	6	4,247.83	6	4,001.34	6	3,754.46	6	3,482.62	6	3,127.21	6	2,771.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,488.09	1/4	4,242.70	1/4	3,996.20	1/4	3,749.31	1/4	3,475.21	1/4	3,119.79	1/4	2,763.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,482.98	1/2	4,237.57	1/2	3,991.05	1/2	3,744.17	1/2	3,467.82	1/2	3,112.37	1/2	2,756.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,477.88	3/4	4,232.44	3/4	3,985.91	3/4	3,739.03	3/4	3,460.42	3/4	3,104.96	3/4	2,748.84
7	7	7	7	7	7	7	7	7	4,472.77	7	4,227.32	7	3,980.77	7	3,733.88	7	3,453.02	7	3,097.54	7	2,741.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,467.67	1/4	4,222.19	1/4	3,975.62	1/4	3,728.74	1/4	3,445.63	1/4	3,090.12	1/4	2,734.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,462.57	1/2	4,217.06	1/2	3,970.48	1/2	3,723.60	1/2	3,438.23	1/2	3,082.70	1/2	2,726.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,457.46	3/4	4,211.93	3/4	3,965.34	3/4	3,718.45	3/4	3,430.83	3/4	3,075.29	3/4	2,719.16
8	8	8	8	8	8	8	8	8	4,452.36	8	4,206.80	8	3,960.19	8	3,713.31	8	3,423.44	8	3,067.87	8	2,711.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,447.26	1/4	4,201.67	1/4	3,955.05	1/4	3,708.17	1/4	3,416.04	1/4	3,060.45	1/4	2,704.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,442.16	1/2	4,196.54	1/2	3,949.91	1/2	3,703.02	1/2	3,408.64	1/2	3,053.03	1/2	2,696.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,437.06	3/4	4,191.41	3/4	3,944.76	3/4	3,697.88	3/4	3,401.24	3/4	3,045.62	3/4	2,689.48
9	9	9	9	9	9	9	9	9	4,431.95	9	4,186.28	9	3,939.62	9	3,692.74	9	3,393.85	9	3,038.20	9	2,682.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,426.85	1/4	4,181.16	1/4	3,934.48	1/4	3,687.59	1/4	3,386.45	1/4	3,030.78	1/4	2,674.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,421.75	1/2	4,176.03	1/2	3,929.33	1/2	3,682.45	1/2	3,379.05	1/2	3,023.36	1/2	2,667.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,416.65	3/4	4,170.90	3/4	3,924.19	3/4	3,677.31	3/4	3,371.66	3/4	3,015.94	3/4	2,659.79
10	10	10	10	10	10	10	10	10	4,411.55	10	4,165.77	10	3,919.05	10	3,672.16	10	3,364.26	10	3,008.53	10	2,652.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,406.45	1/4	4,160.64	1/4	3,913.90	1/4	3,667.02	1/4	3,356.86	1/4	3,001.11	1/4	2,644.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,401.34	1/2	4,155.51	1/2	3,908.76	1/2	3,661.88	1/2	3,349.47	1/2	2,993.69	1/2	2,637.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,396.24	3/4	4,150.38	3/4	3,903.62	3/4	3,656.73	3/4	3,342.07	3/4	2,986.27	3/4	2,630.11
11	11	11	11	11	11	11	11	11	4,391.14	11	4,145.25	11	3,898.47	11	3,651.59	11	3,334.67	11	2,978.86	11	2,622.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,386.04	1/4	4,140.12	1/4	3,893.33	1/4	3,646.45	1/4	3,327.28	1/4	2,971.44	1/4	2,615.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,380.94	1/2	4,135.00	1/2	3,888.18	1/2	3,641.30	1/2	3,319.88	1/2	2,964.02	1/2	2,607.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,375.84	3/4	4,129.87	3/4	3,883.04	3/4	3,636.16	3/4	3,312.48	3/4	2,956.60	3/4	2,600.42

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 45'-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 3135"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,593.00	0	2,237.79	0	1,884.17	0	1,527.68	0	1,171.47	0	825.31	0	468.71	0	112.00	0		0	
1/4	2,585.58	1/4	2,230.41	1/4	1,876.78	1/4	1,520.25	1/4	1,164.15	1/4	818.00	1/4	461.28	1/4	104.57	1/4		1/4	
1/2	2,578.15	1/2	2,223.04	1/2	1,869.35	1/2	1,512.82	1/2	1,156.93	1/2	810.57	1/2	453.85	1/2	97.13	1/2		1/2	
3/4	2,570.72	3/4	2,215.68	3/4	1,861.92	3/4	1,505.40	3/4	1,149.71	3/4	803.14	3/4	446.42	3/4	89.68	3/4		3/4	
1	2,563.29	1	2,208.31	1	1,854.49	1	1,497.97	1	1,142.49	1	795.70	1	438.99	1	82.24	1		1	
1/4	2,555.87	1/4	2,200.95	1/4	1,847.07	1/4	1,490.54	1/4	1,135.28	1/4	788.27	1/4	431.55	1/4	74.80	1/4		1/4	
1/2	2,548.44	1/2	2,193.58	1/2	1,839.64	1/2	1,483.11	1/2	1,128.07	1/2	780.84	1/2	424.12	1/2	67.82	1/2		1/2	
3/4	2,541.01	3/4	2,186.22	3/4	1,832.21	3/4	1,475.69	3/4	1,120.85	3/4	773.41	3/4	416.69	3/4	60.85	3/4		3/4	
2	2,533.58	2	2,178.85	2	1,824.78	2	1,468.26	2	1,113.64	2	765.98	2	409.26	2	53.87	2		2	
1/4	2,526.16	1/4	2,171.49	1/4	1,817.36	1/4	1,460.83	1/4	1,106.43	1/4	758.54	1/4	401.83	1/4	46.89	1/4		1/4	
1/2	2,518.73	1/2	2,164.13	1/2	1,809.93	1/2	1,453.40	1/2	1,099.23	1/2	751.11	1/2	394.40	1/2	41.31	1/2		1/2	
3/4	2,511.30	3/4	2,156.76	3/4	1,802.50	3/4	1,445.98	3/4	1,092.02	3/4	743.68	3/4	386.97	3/4	35.72	3/4		3/4	
3	2,503.87	3	2,149.40	3	1,795.07	3	1,438.55	3	1,084.81	3	736.25	3	379.54	3	30.14	3		3	
1/4	2,496.45	1/4	2,142.03	1/4	1,787.65	1/4	1,431.12	1/4	1,077.61	1/4	728.82	1/4	372.11	1/4	24.56	1/4		1/4	
1/2	2,489.04	1/2	2,134.67	1/2	1,780.22	1/2	1,423.69	1/2	1,070.41	1/2	721.39	1/2	364.68	1/2	20.84	1/2		1/2	
3/4	2,481.63	3/4	2,127.30	3/4	1,772.79	3/4	1,416.27	3/4	1,063.21	3/4	713.95	3/4	357.25	3/4		3/4		3/4	
4	2,474.22	4	2,119.94	4	1,765.36	4	1,408.84	4	1,056.00	4	706.52	4	349.82	4		4		4	
1/4	2,466.81	1/4	2,112.57	1/4	1,757.93	1/4	1,401.41	1/4	1,048.80	1/4	699.09	1/4	342.39	1/4		1/4		1/4	
1/2	2,459.42	1/2	2,105.21	1/2	1,750.51	1/2	1,393.98	1/2	1,041.60	1/2	691.66	1/2	334.96	1/2		1/2		1/2	
3/4	2,452.03	3/4	2,097.84	3/4	1,743.08	3/4	1,386.55	3/4	1,034.40	3/4	684.23	3/4	327.53	3/4		3/4		3/4	
5	2,444.65	5	2,090.48	5	1,735.65	5	1,379.13	5	1,027.21	5	676.79	5	320.10	5		5		5	
1/4	2,437.26	1/4	2,083.11	1/4	1,728.22	1/4	1,371.70	1/4	1,020.01	1/4	669.36	1/4	312.67	1/4		1/4		1/4	
1/2	2,429.87	1/2	2,075.75	1/2	1,720.80	1/2	1,364.27	1/2	1,012.81	1/2	661.93	1/2	305.24	1/2		1/2		1/2	
3/4	2,422.48	3/4	2,068.38	3/4	1,713.37	3/4	1,356.84	3/4	1,005.61	3/4	654.50	3/4	297.81	3/4		3/4		3/4	
6	2,415.09	6	2,061.02	6	1,705.94	6	1,349.42	6	998.41	6	647.07	6	290.38	6		6		6	
1/4	2,407.70	1/4	2,053.65	1/4	1,698.51	1/4	1,341.99	1/4	991.22	1/4	639.64	1/4	282.94	1/4		1/4		1/4	
1/2	2,400.31	1/2	2,046.29	1/2	1,691.09	1/2	1,334.56	1/2	984.02	1/2	632.20	1/2	275.51	1/2		1/2		1/2	
3/4	2,392.92	3/4	2,038.93	3/4	1,683.66	3/4	1,327.13	3/4	976.82	3/4	624.77	3/4	268.08	3/4		3/4		3/4	
7	2,385.53	7	2,031.56	7	1,676.23	7	1,319.71	7	969.62	7	617.34	7	260.65	7		7		7	
1/4	2,378.14	1/4	2,024.20	1/4	1,668.80	1/4	1,312.28	1/4	962.42	1/4	609.91	1/4	253.22	1/4		1/4		1/4	
1/2	2,370.75	1/2	2,016.83	1/2	1,661.38	1/2	1,304.85	1/2	955.23	1/2	602.48	1/2	245.79	1/2		1/2		1/2	
3/4	2,363.37	3/4	2,009.47	3/4	1,653.95	3/4	1,297.42	3/4	948.03	3/4	595.04	3/4	238.36	3/4		3/4		3/4	
8	2,355.98	8	2,002.10	8	1,646.52	8	1,290.00	8	940.83	8	587.61	8	230.93	8		8		8	
1/4	2,348.59	1/4	1,994.74	1/4	1,639.09	1/4	1,282.57	1/4	933.63	1/4	580.18	1/4	223.50	1/4		1/4		1/4	
1/2	2,341.20	1/2	1,987.37	1/2	1,631.67	1/2	1,275.14	1/2	926.43	1/2	572.75	1/2	216.07	1/2		1/2		1/2	
3/4	2,333.81	3/4	1,980.01	3/4	1,624.24	3/4	1,267.71	3/4	919.24	3/4	565.32	3/4	208.63	3/4		3/4		3/4	
9	2,326.42	9	1,972.64	9	1,616.81	9	1,260.29	9	912.04	9	557.89	9	201.20	9		9		9	
1/4	2,319.03	1/4	1,965.28	1/4	1,609.38	1/4	1,252.86	1/4	904.84	1/4	550.45	1/4	193.77	1/4		1/4		1/4	
1/2	2,311.64	1/2	1,957.91	1/2	1,601.96	1/2	1,245.43	1/2	897.64	1/2	543.02	1/2	186.34	1/2		1/2		1/2	
3/4	2,304.25	3/4	1,950.55	3/4	1,594.53	3/4	1,238.00	3/4	890.44	3/4	535.59	3/4	178.91	3/4		3/4		3/4	
10	2,296.86	10	1,943.18	10	1,587.10	10	1,230.58	10	883.25	10	528.16	10	171.47	10		10		10	
1/4	2,289.47	1/4	1,935.82	1/4	1,579.67	1/4	1,223.15	1/4	876.05	1/4	520.73	1/4	164.04	1/4		1/4		1/4	
1/2	2,282.09	1/2	1,928.45	1/2	1,572.24	1/2	1,215.72	1/2	868.85	1/2	513.29	1/2	156.61	1/2		1/2		1/2	
3/4	2,274.70	3/4	1,921.09	3/4	1,564.82	3/4	1,208.29	3/4	861.65	3/4	505.86	3/4	149.18	3/4		3/4		3/4	
11	2,267.31	11	1,913.73	11	1,557.39	11	1,200.86	11	854.45	11	498.43	11	141.74	11		11		11	
1/4	2,259.92	1/4	1,906.36	1/4	1,549.96	1/4	1,193.44	1/4	847.26	1/4	491.00	1/4	134.31	1/4		1/4		1/4	
1/2	2,252.54	1/2	1,898.96	1/2	1,542.53	1/2	1,186.11	1/2	839.94	1/2	483.57	1/2	126.87	1/2		1/2		1/2	
3/4	2,245.16	3/4	1,891.57	3/4	1,535.11	3/4	1,178.79	3/4	832.63	3/4	476.14	3/4	119.44	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/23/2014 CL
RECALCULATED: 02/11/2020 SW
REPRINTED: 02/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

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



BARGE "HTCO 3135"

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	4,396.25	0	4,149.97	0	3,902.85	0	3,655.69	0	3,329.02	0	2,972.04
1/4		1/4		1/4		1/4		1/4	4,391.14	1/4	4,144.84	1/4	3,897.70	1/4	3,650.55	1/4	3,321.61	1/4	2,964.60
1/2		1/2		1/2		1/2		1/2	4,386.03	1/2	4,139.69	1/2	3,892.55	1/2	3,645.40	1/2	3,314.19	1/2	2,957.15
3/4		3/4		3/4		3/4		3/4	4,380.93	3/4	4,134.55	3/4	3,887.40	3/4	3,640.25	3/4	3,306.77	3/4	2,949.71
1		1		1		1	4,609.34	1	4,375.82	1	4,129.41	1	3,882.25	1	3,635.10	1	3,299.35	1	2,942.27
1/4		1/4		1/4		1/4	4,606.89	1/4	4,370.71	1/4	4,124.26	1/4	3,877.11	1/4	3,629.95	1/4	3,291.93	1/4	2,934.83
1/2		1/2		1/2		1/2	4,603.38	1/2	4,365.59	1/2	4,119.11	1/2	3,871.96	1/2	3,624.80	1/2	3,284.50	1/2	2,927.38
3/4		3/4		3/4		3/4	4,599.86	3/4	4,360.47	3/4	4,113.96	3/4	3,866.81	3/4	3,619.65	3/4	3,277.07	3/4	2,919.94
2		2		2		2	4,596.35	2	4,355.35	2	4,108.82	2	3,861.66	2	3,614.50	2	3,269.64	2	2,912.50
1/4		1/4		1/4		1/4	4,592.84	1/4	4,350.23	1/4	4,103.67	1/4	3,856.51	1/4	3,609.35	1/4	3,262.21	1/4	2,905.05
1/2		1/2		1/2		1/2	4,588.32	1/2	4,345.09	1/2	4,098.52	1/2	3,851.36	1/2	3,603.63	1/2	3,254.77	1/2	2,897.61
3/4		3/4		3/4		3/4	4,583.81	3/4	4,339.96	3/4	4,093.37	3/4	3,846.21	3/4	3,597.91	3/4	3,247.33	3/4	2,890.17
3		3		3		3	4,579.30	3	4,334.82	3	4,088.22	3	3,841.06	3	3,592.18	3	3,239.89	3	2,882.73
1/4		1/4		1/4		1/4	4,574.79	1/4	4,329.69	1/4	4,083.07	1/4	3,835.91	1/4	3,586.46	1/4	3,232.45	1/4	2,875.28
1/2		1/2		1/2		1/2	4,569.75	1/2	4,324.55	1/2	4,077.92	1/2	3,830.76	1/2	3,579.60	1/2	3,225.01	1/2	2,867.84
3/4		3/4		3/4		3/4	4,564.70	3/4	4,319.42	3/4	4,072.77	3/4	3,825.61	3/4	3,572.74	3/4	3,217.57	3/4	2,860.40
4		4		4		4	4,559.66	4	4,314.28	4	4,067.62	4	3,820.47	4	3,565.89	4	3,210.13	4	2,852.95
1/4		1/4		1/4		1/4	4,554.61	1/4	4,309.15	1/4	4,062.47	1/4	3,815.32	1/4	3,559.03	1/4	3,202.69	1/4	2,845.51
1/2		1/2		1/2		1/2	4,549.50	1/2	4,304.01	1/2	4,057.32	1/2	3,810.17	1/2	3,551.61	1/2	3,195.25	1/2	2,838.07
3/4		3/4		3/4		3/4	4,544.39	3/4	4,298.88	3/4	4,052.17	3/4	3,805.02	3/4	3,544.19	3/4	3,187.81	3/4	2,830.63
5		5		5		5	4,539.28	5	4,293.74	5	4,047.03	5	3,799.87	5	3,536.77	5	3,180.37	5	2,823.18
1/4		1/4		1/4		1/4	4,534.17	1/4	4,288.61	1/4	4,041.88	1/4	3,794.72	1/4	3,529.35	1/4	3,172.93	1/4	2,815.74
1/2		1/2		1/2		1/2	4,529.06	1/2	4,283.47	1/2	4,036.73	1/2	3,789.57	1/2	3,521.93	1/2	3,165.49	1/2	2,808.30
3/4		3/4		3/4		3/4	4,523.95	3/4	4,278.34	3/4	4,031.58	3/4	3,784.42	3/4	3,514.51	3/4	3,158.05	3/4	2,800.85
6		6		6		6	4,518.84	6	4,273.21	6	4,026.43	6	3,779.27	6	3,507.09	6	3,150.61	6	2,793.41
1/4		1/4		1/4		1/4	4,513.73	1/4	4,268.07	1/4	4,021.28	1/4	3,774.12	1/4	3,499.67	1/4	3,143.17	1/4	2,785.97
1/2		1/2		1/2		1/2	4,508.62	1/2	4,262.94	1/2	4,016.13	1/2	3,768.97	1/2	3,492.25	1/2	3,135.72	1/2	2,778.53
3/4		3/4		3/4		3/4	4,503.51	3/4	4,257.80	3/4	4,010.98	3/4	3,763.83	3/4	3,484.83	3/4	3,128.28	3/4	2,771.08
7		7		7		7	4,498.40	7	4,252.67	7	4,005.83	7	3,758.68	7	3,477.41	7	3,120.84	7	2,763.64
1/4		1/4		1/4		1/4	4,493.29	1/4	4,247.53	1/4	4,000.68	1/4	3,753.53	1/4	3,470.00	1/4	3,113.40	1/4	2,756.20
1/2		1/2		1/2		1/2	4,488.18	1/2	4,242.40	1/2	3,995.53	1/2	3,748.38	1/2	3,462.58	1/2	3,105.96	1/2	2,748.75
3/4		3/4		3/4		3/4	4,483.08	3/4	4,237.26	3/4	3,990.39	3/4	3,743.23	3/4	3,455.16	3/4	3,098.52	3/4	2,741.31
8		8		8		8	4,477.97	8	4,232.13	8	3,985.24	8	3,738.08	8	3,447.74	8	3,091.08	8	2,733.87
1/4		1/4		1/4		1/4	4,472.86	1/4	4,226.99	1/4	3,980.09	1/4	3,732.93	1/4	3,440.32	1/4	3,083.64	1/4	2,726.42
1/2		1/2		1/2		1/2	4,467.75	1/2	4,221.86	1/2	3,974.94	1/2	3,727.78	1/2	3,432.90	1/2	3,076.20	1/2	2,718.98
3/4		3/4		3/4		3/4	4,462.64	3/4	4,216.72	3/4	3,969.79	3/4	3,722.63	3/4	3,425.48	3/4	3,068.76	3/4	2,711.54
9		9		9		9	4,457.54	9	4,211.59	9	3,964.64	9	3,717.48	9	3,418.06	9	3,061.32	9	2,704.10
1/4		1/4		1/4		1/4	4,452.43	1/4	4,206.45	1/4	3,959.49	1/4	3,712.33	1/4	3,410.64	1/4	3,053.88	1/4	2,696.65
1/2		1/2		1/2		1/2	4,447.32	1/2	4,201.32	1/2	3,954.34	1/2	3,707.19	1/2	3,403.22	1/2	3,046.44	1/2	2,689.21
3/4		3/4		3/4		3/4	4,442.21	3/4	4,196.18	3/4	3,949.19	3/4	3,702.04	3/4	3,395.80	3/4	3,039.00	3/4	2,681.77
10		10		10		10	4,437.11	10	4,191.05	10	3,944.04	10	3,696.89	10	3,388.38	10	3,031.56	10	2,674.32
1/4		1/4		1/4		1/4	4,432.00	1/4	4,185.92	1/4	3,938.89	1/4	3,691.74	1/4	3,380.96	1/4	3,024.12	1/4	2,666.88
1/2		1/2		1/2		1/2	4,426.89	1/2	4,180.78	1/2	3,933.75	1/2	3,686.59	1/2	3,373.54	1/2	3,016.68	1/2	2,659.44
3/4		3/4		3/4		3/4	4,421.78	3/4	4,175.65	3/4	3,928.60	3/4	3,681.44	3/4	3,366.12	3/4	3,009.24	3/4	2,652.00
11		11		11		11	4,416.68	11	4,170.51	11	3,923.45	11	3,676.29	11	3,358.70	11	3,001.80	11	2,644.55
1/4		1/4		1/4		1/4	4,411.57	1/4	4,165.38	1/4	3,918.30	1/4	3,671.14	1/4	3,351.28	1/4	2,994.36	1/4	2,637.11
1/2		1/2		1/2		1/2	4,406.46	1/2	4,160.24	1/2	3,913.15	1/2	3,665.99	1/2	3,343.86	1/2	2,986.92	1/2	2,629.66
3/4		3/4		3/4		3/4	4,401.36	3/4	4,155.11	3/4	3,908.00	3/4	3,660.84	3/4	3,336.44	3/4	2,979.48	3/4	2,622.22

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 45'-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 3135"

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.
0	2,614.77	0	2,257.17	0	1,899.56	0	1,541.96	0	1,184.35	0	827.30	0	469.71	0	112.11	0		0	
1/4	2,607.32	1/4	2,249.72	1/4	1,892.11	1/4	1,534.51	1/4	1,176.90	1/4	819.85	1/4	462.26	1/4	104.66	1/4		1/4	
1/2	2,599.87	1/2	2,242.27	1/2	1,884.66	1/2	1,527.06	1/2	1,169.45	1/2	812.40	1/2	454.81	1/2	97.21	1/2		1/2	
3/4	2,592.42	3/4	2,234.82	3/4	1,877.21	3/4	1,519.61	3/4	1,162.00	3/4	804.95	3/4	447.36	3/4	89.76	3/4		3/4	
1	2,584.97	1	2,227.37	1	1,869.76	1	1,512.16	1	1,154.55	1	797.51	1	439.91	1	82.31	1		1	
1/4	2,577.52	1/4	2,219.92	1/4	1,862.31	1/4	1,504.71	1/4	1,147.10	1/4	790.06	1/4	432.46	1/4	74.86	1/4		1/4	
1/2	2,570.07	1/2	2,212.47	1/2	1,854.86	1/2	1,497.26	1/2	1,139.66	1/2	782.61	1/2	425.01	1/2	67.88	1/2		1/2	
3/4	2,562.62	3/4	2,205.02	3/4	1,847.41	3/4	1,489.81	3/4	1,132.21	3/4	775.16	3/4	417.56	3/4	60.90	3/4		3/4	
2	2,555.17	2	2,197.57	2	1,839.96	2	1,482.36	2	1,124.77	2	767.71	2	410.11	2	53.91	2		2	
1/4	2,547.72	1/4	2,190.12	1/4	1,832.51	1/4	1,474.91	1/4	1,117.32	1/4	760.26	1/4	402.66	1/4	46.93	1/4		1/4	
1/2	2,540.27	1/2	2,182.67	1/2	1,825.06	1/2	1,467.46	1/2	1,109.88	1/2	752.81	1/2	395.21	1/2	41.34	1/2		1/2	
3/4	2,532.82	3/4	2,175.22	3/4	1,817.61	3/4	1,460.01	3/4	1,102.44	3/4	745.36	3/4	387.76	3/4	35.75	3/4		3/4	
3	2,525.37	3	2,167.77	3	1,810.16	3	1,452.56	3	1,094.99	3	737.91	3	380.31	3	30.17	3		3	
1/4	2,517.92	1/4	2,160.32	1/4	1,802.71	1/4	1,445.11	1/4	1,087.55	1/4	730.46	1/4	372.86	1/4	24.58	1/4		1/4	
1/2	2,510.47	1/2	2,152.87	1/2	1,795.26	1/2	1,437.66	1/2	1,080.11	1/2	723.01	1/2	365.41	1/2	20.85	1/2		1/2	
3/4	2,503.02	3/4	2,145.42	3/4	1,787.81	3/4	1,430.21	3/4	1,072.67	3/4	715.56	3/4	357.96	3/4		3/4		3/4	
4	2,495.57	4	2,137.97	4	1,780.36	4	1,422.76	4	1,065.24	4	708.11	4	350.51	4		4		4	
1/4	2,488.12	1/4	2,130.52	1/4	1,772.91	1/4	1,415.31	1/4	1,057.80	1/4	700.66	1/4	343.06	1/4		1/4		1/4	
1/2	2,480.67	1/2	2,123.07	1/2	1,765.46	1/2	1,407.86	1/2	1,050.36	1/2	693.21	1/2	335.61	1/2		1/2		1/2	
3/4	2,473.22	3/4	2,115.62	3/4	1,758.01	3/4	1,400.41	3/4	1,042.93	3/4	685.76	3/4	328.16	3/4		3/4		3/4	
5	2,465.77	5	2,108.17	5	1,750.56	5	1,392.96	5	1,035.49	5	678.31	5	320.71	5		5		5	
1/4	2,458.32	1/4	2,100.72	1/4	1,743.11	1/4	1,385.51	1/4	1,028.06	1/4	670.86	1/4	313.26	1/4		1/4		1/4	
1/2	2,450.87	1/2	2,093.27	1/2	1,735.66	1/2	1,378.06	1/2	1,020.62	1/2	663.41	1/2	305.81	1/2		1/2		1/2	
3/4	2,443.42	3/4	2,085.82	3/4	1,728.21	3/4	1,370.61	3/4	1,013.19	3/4	655.96	3/4	298.36	3/4		3/4		3/4	
6	2,435.97	6	2,078.37	6	1,720.76	6	1,363.16	6	1,005.75	6	648.51	6	290.91	6		6		6	
1/4	2,428.52	1/4	2,070.92	1/4	1,713.31	1/4	1,355.71	1/4	998.32	1/4	641.06	1/4	283.46	1/4		1/4		1/4	
1/2	2,421.07	1/2	2,063.47	1/2	1,705.86	1/2	1,348.26	1/2	990.88	1/2	633.61	1/2	276.01	1/2		1/2		1/2	
3/4	2,413.62	3/4	2,056.02	3/4	1,698.41	3/4	1,340.81	3/4	983.45	3/4	626.16	3/4	268.56	3/4		3/4		3/4	
7	2,406.17	7	2,048.57	7	1,690.96	7	1,333.36	7	976.01	7	618.71	7	261.11	7		7		7	
1/4	2,398.72	1/4	2,041.12	1/4	1,683.51	1/4	1,325.91	1/4	968.58	1/4	611.26	1/4	253.66	1/4		1/4		1/4	
1/2	2,391.27	1/2	2,033.67	1/2	1,676.06	1/2	1,318.46	1/2	961.14	1/2	603.81	1/2	246.21	1/2		1/2		1/2	
3/4	2,383.82	3/4	2,026.22	3/4	1,668.61	3/4	1,311.01	3/4	953.71	3/4	596.36	3/4	238.76	3/4		3/4		3/4	
8	2,376.37	8	2,018.77	8	1,661.16	8	1,303.56	8	946.27	8	588.91	8	231.31	8		8		8	
1/4	2,368.92	1/4	2,011.32	1/4	1,653.71	1/4	1,296.11	1/4	938.84	1/4	581.46	1/4	223.86	1/4		1/4		1/4	
1/2	2,361.47	1/2	2,003.87	1/2	1,646.26	1/2	1,288.66	1/2	931.41	1/2	574.01	1/2	216.41	1/2		1/2		1/2	
3/4	2,354.02	3/4	1,996.42	3/4	1,638.81	3/4	1,281.21	3/4	923.97	3/4	566.56	3/4	208.96	3/4		3/4		3/4	
9	2,346.57	9	1,988.97	9	1,631.36	9	1,273.76	9	916.54	9	559.11	9	201.51	9		9		9	
1/4	2,339.12	1/4	1,981.52	1/4	1,623.91	1/4	1,266.31	1/4	909.10	1/4	551.66	1/4	194.06	1/4		1/4		1/4	
1/2	2,331.67	1/2	1,974.07	1/2	1,616.46	1/2	1,258.86	1/2	901.67	1/2	544.21	1/2	186.61	1/2		1/2		1/2	
3/4	2,324.22	3/4	1,966.61	3/4	1,609.01	3/4	1,251.41	3/4	894.23	3/4	536.76	3/4	179.16	3/4		3/4		3/4	
10	2,316.77	10	1,959.16	10	1,601.56	10	1,243.96	10	886.80	10	529.31	10	171.71	10		10		10	
1/4	2,309.32	1/4	1,951.71	1/4	1,594.11	1/4	1,236.51	1/4	879.36	1/4	521.86	1/4	164.26	1/4		1/4		1/4	
1/2	2,301.87	1/2	1,944.26	1/2	1,586.66	1/2	1,229.06	1/2	871.93	1/2	514.41	1/2	156.81	1/2		1/2		1/2	
3/4	2,294.42	3/4	1,936.81	3/4	1,579.21	3/4	1,221.60	3/4	864.49	3/4	506.96	3/4	149.36	3/4		3/4		3/4	
11	2,286.97	11	1,929.36	11	1,571.76	11	1,214.15	11	857.06	11	499.51	11	141.91	11		11		11	
1/4	2,279.52	1/4	1,921.91	1/4	1,564.31	1/4	1,206.70	1/4	849.62	1/4	492.06	1/4	134.46	1/4		1/4		1/4	
1/2	2,272.07	1/2	1,914.46	1/2	1,556.86	1/2	1,199.25	1/2	842.18	1/2	484.61	1/2	127.01	1/2		1/2		1/2	
3/4	2,264.62	3/4	1,907.01	3/4	1,549.41	3/4	1,191.80	3/4	834.74	3/4	477.16	3/4	119.56	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/23/2014 CL
RECALCULATED: 02/11/2020 SW
REPRINTED: 02/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

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



BARGE "HTCO 3135"

FWD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 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: 12/23/2014 CL
CALCULATED: 12/23/2014 CL
PRINTED: 12/23/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2014

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 3135"

AFT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 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 12/2014

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PRECISION MEASUREMENT
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BARGE "HTCO 3135"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 3'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4	3/4
3	16	3	162	3	342	3	482	3	3	3	3	3	3	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4	3/4

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 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
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