



BARGE "HTCO 3120"

ULLAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-0/8	- 01-0/8
1 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-0/8	- 01-0/8
2 PORT	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8
2 STBD	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8
3 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
3 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 237'-09"

May 8, 2024

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

<http://www.pmacorp.net>



BARGE "HTCO 3120"

1 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 17'-04"

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	4,709.84	0	4,353.13	0	3,995.13	0	3,637.02	0	3,278.92	0	2,920.81
1/4		1/4		1/4		1/4		1/4	4,702.44	1/4	4,345.69	1/4	3,987.67	1/4	3,629.56	1/4	3,271.46	1/4	2,913.34
1/2		1/2		1/2		1/2		1/2	4,695.04	1/2	4,338.25	1/2	3,980.21	1/2	3,622.10	1/2	3,264.00	1/2	2,905.87
3/4		3/4		3/4		3/4		3/4	4,687.64	3/4	4,330.81	3/4	3,972.75	3/4	3,614.64	3/4	3,256.54	3/4	2,898.41
1		1		1		1		1	4,680.24	1	4,323.36	1	3,965.28	1	3,607.18	1	3,249.08	1	2,890.94
1/4		1/4		1/4		1/4		1/4	4,672.84	1/4	4,315.91	1/4	3,957.82	1/4	3,599.72	1/4	3,241.62	1/4	2,883.48
1/2		1/2		1/2		1/2	5,008.98	1/2	4,665.44	1/2	4,308.46	1/2	3,950.36	1/2	3,592.26	1/2	3,234.16	1/2	2,876.01
3/4		3/4		3/4		3/4	5,004.24	3/4	4,658.04	3/4	4,301.01	3/4	3,942.90	3/4	3,584.80	3/4	3,226.70	3/4	2,868.55
2		2		2		2		2	4,998.44	2	4,650.62	2	4,293.55	2	3,935.44	2	3,577.34	2	3,219.23
1/4		1/4		1/4		1/4		1/4	4,992.64	1/4	4,643.20	1/4	4,286.09	1/4	3,927.98	1/4	3,569.88	1/4	3,211.77
1/2		1/2		1/2		1/2		1/2	4,986.83	1/2	4,635.79	1/2	4,278.63	1/2	3,920.52	1/2	3,562.42	1/2	3,204.31
3/4		3/4		3/4		3/4		3/4	4,981.03	3/4	4,628.37	3/4	4,271.17	3/4	3,913.06	3/4	3,554.96	3/4	3,196.85
3		3		3		3		3	4,974.22	3	4,620.93	3	4,263.70	3	3,905.60	3	3,547.50	3	3,189.39
1/4		1/4		1/4		1/4		1/4	4,967.42	1/4	4,613.49	1/4	4,256.24	1/4	3,898.14	1/4	3,540.04	1/4	3,181.93
1/2		1/2		1/2		1/2		1/2	4,960.62	1/2	4,606.05	1/2	4,248.78	1/2	3,890.68	1/2	3,532.58	1/2	3,174.47
3/4		3/4		3/4		3/4		3/4	4,953.81	3/4	4,598.61	3/4	4,241.32	3/4	3,883.22	3/4	3,525.12	3/4	3,167.01
4		4		4		4		4	4,946.48	4	4,591.17	4	4,233.86	4	3,875.76	4	3,517.65	4	3,159.55
1/4		1/4		1/4		1/4		1/4	4,939.14	1/4	4,583.73	1/4	4,226.40	1/4	3,868.30	1/4	3,510.19	1/4	3,152.09
1/2		1/2		1/2		1/2		1/2	4,931.80	1/2	4,576.29	1/2	4,218.94	1/2	3,860.84	1/2	3,502.73	1/2	3,144.63
3/4		3/4		3/4		3/4		3/4	4,924.46	3/4	4,568.86	3/4	4,211.48	3/4	3,853.38	3/4	3,495.27	3/4	3,137.17
5		5		5		5		5	4,917.06	5	4,561.42	5	4,204.02	5	3,845.92	5	3,487.81	5	3,129.71
1/4		1/4		1/4		1/4		1/4	4,909.66	1/4	4,553.98	1/4	4,196.56	1/4	3,838.46	1/4	3,480.35	1/4	3,122.25
1/2		1/2		1/2		1/2		1/2	4,902.25	1/2	4,546.54	1/2	4,189.10	1/2	3,831.00	1/2	3,472.89	1/2	3,114.79
3/4		3/4		3/4		3/4		3/4	4,894.85	3/4	4,539.10	3/4	4,181.64	3/4	3,823.54	3/4	3,465.43	3/4	3,107.33
6		6		6		6		6	4,887.45	6	4,531.66	6	4,174.18	6	3,816.07	6	3,457.97	6	3,099.87
1/4		1/4		1/4		1/4		1/4	4,880.04	1/4	4,524.22	1/4	4,166.72	1/4	3,808.61	1/4	3,450.51	1/4	3,092.41
1/2		1/2		1/2		1/2		1/2	4,872.64	1/2	4,516.78	1/2	4,159.26	1/2	3,801.15	1/2	3,443.05	1/2	3,084.95
3/4		3/4		3/4		3/4		3/4	4,865.24	3/4	4,509.35	3/4	4,151.80	3/4	3,793.69	3/4	3,435.59	3/4	3,077.49
7		7		7		7		7	4,857.84	7	4,501.91	7	4,144.34	7	3,786.23	7	3,428.13	7	3,070.02
1/4		1/4		1/4		1/4		1/4	4,850.43	1/4	4,494.47	1/4	4,136.88	1/4	3,778.77	1/4	3,420.67	1/4	3,062.56
1/2		1/2		1/2		1/2		1/2	4,843.03	1/2	4,487.03	1/2	4,129.42	1/2	3,771.31	1/2	3,413.21	1/2	3,055.10
3/4		3/4		3/4		3/4		3/4	4,835.63	3/4	4,479.59	3/4	4,121.96	3/4	3,763.85	3/4	3,405.75	3/4	3,047.64
8		8		8		8		8	4,828.23	8	4,472.15	8	4,114.49	8	3,756.39	8	3,398.29	8	3,040.18
1/4		1/4		1/4		1/4		1/4	4,820.82	1/4	4,464.71	1/4	4,107.03	1/4	3,748.93	1/4	3,390.83	1/4	3,032.72
1/2		1/2		1/2		1/2		1/2	4,813.42	1/2	4,457.27	1/2	4,099.57	1/2	3,741.47	1/2	3,383.37	1/2	3,025.26
3/4		3/4		3/4		3/4		3/4	4,806.02	3/4	4,449.84	3/4	4,092.11	3/4	3,734.01	3/4	3,375.91	3/4	3,017.80
9		9		9		9		9	4,798.62	9	4,442.40	9	4,084.65	9	3,726.55	9	3,368.44	9	3,010.34
1/4		1/4		1/4		1/4		1/4	4,791.22	1/4	4,434.96	1/4	4,077.19	1/4	3,719.09	1/4	3,360.98	1/4	3,002.88
1/2		1/2		1/2		1/2		1/2	4,783.83	1/2	4,427.52	1/2	4,069.73	1/2	3,711.63	1/2	3,353.52	1/2	2,995.42
3/4		3/4		3/4		3/4		3/4	4,776.43	3/4	4,420.08	3/4	4,062.27	3/4	3,704.17	3/4	3,346.06	3/4	2,987.96
10		10		10		10		10	4,769.03	10	4,412.64	10	4,054.81	10	3,696.71	10	3,338.60	10	2,980.50
1/4		1/4		1/4		1/4		1/4	4,761.63	1/4	4,405.20	1/4	4,047.35	1/4	3,689.25	1/4	3,331.14	1/4	2,973.04
1/2		1/2		1/2		1/2		1/2	4,754.23	1/2	4,397.76	1/2	4,039.89	1/2	3,681.79	1/2	3,323.68	1/2	2,965.58
3/4		3/4		3/4		3/4		3/4	4,746.83	3/4	4,390.32	3/4	4,032.43	3/4	3,674.33	3/4	3,316.22	3/4	2,958.12
11		11		11		11		11	4,739.43	11	4,382.89	11	4,024.97	11	3,666.86	11	3,308.76	11	2,950.66
1/4		1/4		1/4		1/4		1/4	4,732.03	1/4	4,375.45	1/4	4,017.51	1/4	3,659.40	1/4	3,301.30	1/4	2,943.20
1/2		1/2		1/2		1/2		1/2	4,724.63	1/2	4,368.01	1/2	4,010.05	1/2	3,651.94	1/2	3,293.84	1/2	2,935.74
3/4		3/4		3/4		3/4		3/4	4,717.23	3/4	4,360.57	3/4	4,002.59	3/4	3,644.48	3/4	3,286.38	3/4	2,928.28

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'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

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BARGE "HTCO 3120"

1 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 17'-04"

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	2,562.51	0	2,204.21	0	1,845.91	0	1,487.62	0	1,129.34	0	773.16	0	418.73	0	101.74	0		0	
1/4	2,555.04	1/4	2,196.74	1/4	1,838.45	1/4	1,480.15	1/4	1,121.89	1/4	765.72	1/4	411.68	1/4	95.63	1/4		1/4	
1/2	2,547.58	1/2	2,189.28	1/2	1,830.98	1/2	1,472.69	1/2	1,114.44	1/2	758.28	1/2	404.62	1/2	89.52	1/2		1/2	
3/4	2,540.11	3/4	2,181.82	3/4	1,823.52	3/4	1,465.22	3/4	1,106.99	3/4	750.85	3/4	397.56	3/4	83.40	3/4		3/4	
1	2,532.65	1	2,174.35	1	1,816.06	1	1,457.76	1	1,099.55	1	743.38	1	390.59	1	77.37	1		1	
1/4	2,525.18	1/4	2,166.89	1/4	1,808.59	1/4	1,450.29	1/4	1,092.12	1/4	735.92	1/4	383.62	1/4	71.34	1/4		1/4	
1/2	2,517.72	1/2	2,159.42	1/2	1,801.13	1/2	1,442.83	1/2	1,084.68	1/2	728.45	1/2	376.64	1/2	65.31	1/2		1/2	
3/4	2,510.25	3/4	2,151.96	3/4	1,793.66	3/4	1,435.37	3/4	1,077.25	3/4	720.99	3/4	369.67	3/4	59.28	3/4		3/4	
2	2,502.79	2	2,144.49	2	1,786.20	2	1,427.90	2	1,069.82	2	713.52	2	362.77	2	53.80	2		2	
1/4	2,495.32	1/4	2,137.03	1/4	1,778.73	1/4	1,420.44	1/4	1,062.39	1/4	706.06	1/4	355.87	1/4	48.32	1/4		1/4	
1/2	2,487.86	1/2	2,129.56	1/2	1,771.27	1/2	1,412.97	1/2	1,054.96	1/2	698.60	1/2	348.97	1/2	42.84	1/2		1/2	
3/4	2,480.40	3/4	2,122.10	3/4	1,763.80	3/4	1,405.51	3/4	1,047.53	3/4	691.13	3/4	342.07	3/4	37.36	3/4		3/4	
3	2,472.93	3	2,114.64	3	1,756.34	3	1,398.04	3	1,040.11	3	683.67	3	335.24	3	33.35	3		3	
1/4	2,465.47	1/4	2,107.17	1/4	1,748.87	1/4	1,390.58	1/4	1,032.69	1/4	676.20	1/4	328.42	1/4	29.35	1/4		1/4	
1/2	2,458.00	1/2	2,099.71	1/2	1,741.41	1/2	1,383.11	1/2	1,025.27	1/2	668.74	1/2	321.59	1/2	25.35	1/2		1/2	
3/4	2,450.54	3/4	2,092.24	3/4	1,733.95	3/4	1,375.65	3/4	1,017.85	3/4	661.27	3/4	314.76	3/4	21.35	3/4		3/4	
4	2,443.07	4	2,084.78	4	1,726.48	4	1,368.19	4	1,010.43	4	653.81	4	308.02	4	18.44	4		4	
1/4	2,435.61	1/4	2,077.31	1/4	1,719.02	1/4	1,360.72	1/4	1,003.02	1/4	646.35	1/4	301.27	1/4		1/4		1/4	
1/2	2,428.14	1/2	2,069.85	1/2	1,711.55	1/2	1,353.26	1/2	995.60	1/2	638.88	1/2	294.53	1/2		1/2		1/2	
3/4	2,420.68	3/4	2,062.38	3/4	1,704.09	3/4	1,345.79	3/4	988.18	3/4	631.42	3/4	287.78	3/4		3/4		3/4	
5	2,413.22	5	2,054.92	5	1,696.62	5	1,338.33	5	980.77	5	623.95	5	281.11	5		5		5	
1/4	2,405.75	1/4	2,047.45	1/4	1,689.16	1/4	1,330.86	1/4	973.36	1/4	616.49	1/4	274.45	1/4		1/4		1/4	
1/2	2,398.29	1/2	2,039.99	1/2	1,681.69	1/2	1,323.40	1/2	965.94	1/2	609.02	1/2	267.78	1/2		1/2		1/2	
3/4	2,390.82	3/4	2,032.53	3/4	1,674.23	3/4	1,315.93	3/4	958.53	3/4	601.56	3/4	261.12	3/4		3/4		3/4	
6	2,383.36	6	2,025.06	6	1,666.77	6	1,308.47	6	951.11	6	594.09	6	254.54	6		6		6	
1/4	2,375.89	1/4	2,017.60	1/4	1,659.30	1/4	1,301.00	1/4	943.70	1/4	586.63	1/4	247.95	1/4		1/4		1/4	
1/2	2,368.43	1/2	2,010.13	1/2	1,651.84	1/2	1,293.54	1/2	936.29	1/2	579.17	1/2	241.37	1/2		1/2		1/2	
3/4	2,360.96	3/4	2,002.67	3/4	1,644.37	3/4	1,286.08	3/4	928.87	3/4	571.70	3/4	234.78	3/4		3/4		3/4	
7	2,353.50	7	1,995.20	7	1,636.91	7	1,278.61	7	921.46	7	564.26	7	228.28	7		7		7	
1/4	2,346.03	1/4	1,987.74	1/4	1,629.44	1/4	1,271.15	1/4	914.05	1/4	556.82	1/4	221.78	1/4		1/4		1/4	
1/2	2,338.57	1/2	1,980.27	1/2	1,621.98	1/2	1,263.68	1/2	906.63	1/2	549.38	1/2	215.28	1/2		1/2		1/2	
3/4	2,331.11	3/4	1,972.81	3/4	1,614.51	3/4	1,256.22	3/4	899.22	3/4	541.93	3/4	208.77	3/4		3/4		3/4	
8	2,323.64	8	1,965.35	8	1,607.05	8	1,248.75	8	891.81	8	534.55	8	202.35	8		8		8	
1/4	2,316.18	1/4	1,957.88	1/4	1,599.58	1/4	1,241.29	1/4	884.39	1/4	527.17	1/4	195.93	1/4		1/4		1/4	
1/2	2,308.71	1/2	1,950.42	1/2	1,592.12	1/2	1,233.82	1/2	876.98	1/2	519.79	1/2	189.51	1/2		1/2		1/2	
3/4	2,301.25	3/4	1,942.95	3/4	1,584.66	3/4	1,226.36	3/4	869.57	3/4	512.41	3/4	183.09	3/4		3/4		3/4	
9	2,293.78	9	1,935.49	9	1,577.19	9	1,218.90	9	862.15	9	505.11	9	176.75	9		9		9	
1/4	2,286.32	1/4	1,928.02	1/4	1,569.73	1/4	1,211.43	1/4	854.74	1/4	497.81	1/4	170.40	1/4		1/4		1/4	
1/2	2,278.85	1/2	1,920.56	1/2	1,562.26	1/2	1,203.97	1/2	847.32	1/2	490.51	1/2	164.05	1/2		1/2		1/2	
3/4	2,271.39	3/4	1,913.09	3/4	1,554.80	3/4	1,196.50	3/4	839.91	3/4	483.22	3/4	157.71	3/4		3/4		3/4	
10	2,263.93	10	1,905.63	10	1,547.33	10	1,189.04	10	832.50	10	476.00	10	151.44	10		10		10	
1/4	2,256.46	1/4	1,898.16	1/4	1,539.87	1/4	1,181.57	1/4	825.08	1/4	468.78	1/4	145.16	1/4		1/4		1/4	
1/2	2,249.00	1/2	1,890.70	1/2	1,532.40	1/2	1,174.11	1/2	817.67	1/2	461.56	1/2	138.89	1/2		1/2		1/2	
3/4	2,241.53	3/4	1,883.24	3/4	1,524.94	3/4	1,166.64	3/4	810.26	3/4	454.34	3/4	132.62	3/4		3/4		3/4	
11	2,234.07	11	1,875.77	11	1,517.48	11	1,159.18	11	802.84	11	447.20	11	126.43	11		11		11	
1/4	2,226.60	1/4	1,868.31	1/4	1,510.01	1/4	1,151.71	1/4	795.43	1/4	440.06	1/4	120.23	1/4		1/4		1/4	
1/2	2,219.14	1/2	1,860.84	1/2	1,502.55	1/2	1,144.25	1/2	788.02	1/2	432.93	1/2	114.04	1/2		1/2		1/2	
3/4	2,211.67	3/4	1,853.38	3/4	1,495.08	3/4	1,136.79	3/4	780.60	3/4	425.79	3/4	107.85	3/4		3/4		3/4	

STRAPPED: 02/20/2014 PMA
RECALCULATED: 04/30/2019 SW
VERIFIED: 05/08/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3120"

1 STBD ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03-3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,704.10	0	4,347.36	0	3,989.35	0	3,631.25	0	3,273.15	0	2,915.05
1/4		1/4		1/4		1/4		1/4	4,696.70	1/4	4,339.92	1/4	3,981.89	1/4	3,623.79	1/4	3,265.69	1/4	2,907.59
1/2		1/2		1/2		1/2		1/2	4,689.31	1/2	4,332.49	1/2	3,974.43	1/2	3,616.33	1/2	3,258.23	1/2	2,900.13
3/4		3/4		3/4		3/4		3/4	4,681.91	3/4	4,325.04	3/4	3,966.96	3/4	3,608.87	3/4	3,250.77	3/4	2,892.67
1		1		1		1		1	4,674.51	1	4,317.58	1	3,959.50	1	3,601.41	1	3,243.31	1	2,885.20
1/4		1/4		1/4		1/4		1/4	5,010.63	1/4	4,667.11	1/4	4,310.13	1/4	3,952.04	1/4	3,593.94	1/4	3,235.85
1/2		1/2		1/2		1/2		1/2	5,005.89	1/2	4,659.71	1/2	4,302.68	1/2	3,944.58	1/2	3,586.48	1/2	3,228.39
3/4		3/4		3/4		3/4		3/4	5,000.09	3/4	4,652.29	3/4	4,295.22	3/4	3,937.12	3/4	3,579.02	3/4	3,220.92
2		2		2		2		2	4,994.29	2	4,644.87	2	4,287.76	2	3,929.66	2	3,571.56	2	3,213.46
1/4		1/4		1/4		1/4		1/4	4,988.48	1/4	4,637.45	1/4	4,280.30	1/4	3,922.20	1/4	3,564.10	1/4	3,206.00
1/2		1/2		1/2		1/2		1/2	4,982.68	1/2	4,630.03	1/2	4,272.84	1/2	3,914.74	1/2	3,556.64	1/2	3,198.54
3/4		3/4		3/4		3/4		3/4	4,975.88	3/4	4,622.60	3/4	4,265.38	3/4	3,907.28	3/4	3,549.18	3/4	3,191.08
3		3		3		3		3	4,969.07	3	4,615.16	3	4,257.92	3	3,899.82	3	3,541.72	3	3,183.62
1/4		1/4		1/4		1/4		1/4	4,962.27	1/4	4,607.72	1/4	4,250.46	1/4	3,892.36	1/4	3,534.26	1/4	3,176.16
1/2		1/2		1/2		1/2		1/2	4,955.47	1/2	4,600.28	1/2	4,243.00	1/2	3,884.90	1/2	3,526.80	1/2	3,168.70
3/4		3/4		3/4		3/4		3/4	4,948.13	3/4	4,592.84	3/4	4,235.54	3/4	3,877.44	3/4	3,519.34	3/4	3,161.24
4		4		4		4		4	4,940.80	4	4,585.40	4	4,228.08	4	3,869.98	4	3,511.88	4	3,153.78
1/4		1/4		1/4		1/4		1/4	4,933.46	1/4	4,577.96	1/4	4,220.62	1/4	3,862.52	1/4	3,504.42	1/4	3,146.32
1/2		1/2		1/2		1/2		1/2	4,926.13	1/2	4,570.52	1/2	4,213.16	1/2	3,855.06	1/2	3,496.96	1/2	3,138.86
3/4		3/4		3/4		3/4		3/4	4,918.73	3/4	4,563.09	3/4	4,205.70	3/4	3,847.60	3/4	3,489.50	3/4	3,131.40
5		5		5		5		5	4,911.32	5	4,555.65	5	4,198.24	5	3,840.14	5	3,482.04	5	3,123.94
1/4		1/4		1/4		1/4		1/4	4,903.92	1/4	4,548.21	1/4	4,190.78	1/4	3,832.68	1/4	3,474.58	1/4	3,116.48
1/2		1/2		1/2		1/2		1/2	4,896.52	1/2	4,540.77	1/2	4,183.32	1/2	3,825.22	1/2	3,467.12	1/2	3,109.02
3/4		3/4		3/4		3/4		3/4	4,889.11	3/4	4,533.33	3/4	4,175.86	3/4	3,817.76	3/4	3,459.66	3/4	3,101.56
6		6		6		6		6	4,881.71	6	4,525.89	6	4,168.40	6	3,810.30	6	3,452.20	6	3,094.10
1/4		1/4		1/4		1/4		1/4	4,874.31	1/4	4,518.45	1/4	4,160.94	1/4	3,802.84	1/4	3,444.74	1/4	3,086.64
1/2		1/2		1/2		1/2		1/2	4,866.90	1/2	4,511.01	1/2	4,153.47	1/2	3,795.38	1/2	3,437.28	1/2	3,079.18
3/4		3/4		3/4		3/4		3/4	4,859.50	3/4	4,503.58	3/4	4,146.01	3/4	3,787.92	3/4	3,429.82	3/4	3,071.72
7		7		7		7		7	4,852.10	7	4,496.14	7	4,138.55	7	3,780.45	7	3,422.36	7	3,064.26
1/4		1/4		1/4		1/4		1/4	4,844.70	1/4	4,488.70	1/4	4,131.09	1/4	3,772.99	1/4	3,414.90	1/4	3,056.80
1/2		1/2		1/2		1/2		1/2	4,837.29	1/2	4,481.26	1/2	4,123.63	1/2	3,765.53	1/2	3,407.43	1/2	3,049.34
3/4		3/4		3/4		3/4		3/4	4,829.89	3/4	4,473.82	3/4	4,116.17	3/4	3,758.07	3/4	3,399.97	3/4	3,041.88
8		8		8		8		8	4,822.49	8	4,466.38	8	4,108.71	8	3,750.61	8	3,392.51	8	3,034.41
1/4		1/4		1/4		1/4		1/4	4,815.09	1/4	4,458.94	1/4	4,101.25	1/4	3,743.15	1/4	3,385.05	1/4	3,026.95
1/2		1/2		1/2		1/2		1/2	4,807.69	1/2	4,451.51	1/2	4,093.79	1/2	3,735.69	1/2	3,377.59	1/2	3,019.49
3/4		3/4		3/4		3/4		3/4	4,800.29	3/4	4,444.07	3/4	4,086.33	3/4	3,728.23	3/4	3,370.13	3/4	3,012.03
9		9		9		9		9	4,792.89	9	4,436.63	9	4,078.87	9	3,720.77	9	3,362.67	9	3,004.57
1/4		1/4		1/4		1/4		1/4	4,785.49	1/4	4,429.19	1/4	4,071.41	1/4	3,713.31	1/4	3,355.21	1/4	2,997.11
1/2		1/2		1/2		1/2		1/2	4,778.09	1/2	4,421.75	1/2	4,063.95	1/2	3,705.85	1/2	3,347.75	1/2	2,989.65
3/4		3/4		3/4		3/4		3/4	4,770.69	3/4	4,414.31	3/4	4,056.49	3/4	3,698.39	3/4	3,340.29	3/4	2,982.15
10		10		10		10		10	4,763.30	10	4,406.87	10	4,049.03	10	3,690.93	10	3,332.83	10	2,974.73
1/4		1/4		1/4		1/4		1/4	4,755.90	1/4	4,399.43	1/4	4,041.57	1/4	3,683.47	1/4	3,325.37	1/4	2,967.27
1/2		1/2		1/2		1/2		1/2	4,748.50	1/2	4,392.00	1/2	4,034.11	1/2	3,676.01	1/2	3,317.91	1/2	2,959.81
3/4		3/4		3/4		3/4		3/4	4,741.10	3/4	4,384.56	3/4	4,026.65	3/4	3,668.55	3/4	3,310.45	3/4	2,952.35
11		11		11		11		11	4,733.70	11	4,377.12	11	4,019.19	11	3,661.09	11	3,302.99	11	2,944.89
1/4		1/4		1/4		1/4		1/4	4,726.30	1/4	4,369.68	1/4	4,011.73	1/4	3,653.63	1/4	3,295.53	1/4	2,937.43
1/2		1/2		1/2		1/2		1/2	4,718.90	1/2	4,362.24	1/2	4,004.27	1/2	3,646.17	1/2	3,288.07	1/2	2,929.97
3/4		3/4		3/4		3/4		3/4	4,711.50	3/4	4,354.80	3/4	3,996.81	3/4	3,638.71	3/4	3,280.61	3/4	2,922.51

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'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "HTCO 3120"

1 STBD

ULLAGE TABLE
HERMETIC

GAUGE HEIGHT 17'-03-3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,556.77	0	2,198.47	0	1,840.17	0	1,481.88	0	1,123.58	0	765.77	0	411.74	0	95.65	0		0	
1/4	2,549.30	1/4	2,191.00	1/4	1,832.71	1/4	1,474.41	1/4	1,116.12	1/4	758.31	1/4	404.69	1/4	89.54	1/4		1/4	
1/2	2,541.84	1/2	2,183.54	1/2	1,825.24	1/2	1,466.95	1/2	1,108.65	1/2	750.86	1/2	397.63	1/2	83.42	1/2		1/2	
3/4	2,534.37	3/4	2,176.08	3/4	1,817.78	3/4	1,459.48	3/4	1,101.19	3/4	743.39	3/4	390.66	3/4	77.39	3/4		3/4	
1	2,526.91	1	2,168.61	1	1,810.32	1	1,452.02	1	1,093.72	1	735.93	1	383.68	1	71.36	1		1	
1/4	2,519.44	1/4	2,161.15	1/4	1,802.85	1/4	1,444.55	1/4	1,086.26	1/4	728.46	1/4	376.71	1/4	65.33	1/4		1/4	
1/2	2,511.98	1/2	2,153.68	1/2	1,795.39	1/2	1,437.09	1/2	1,078.79	1/2	721.00	1/2	369.73	1/2	59.30	1/2		1/2	
3/4	2,504.51	3/4	2,146.22	3/4	1,787.92	3/4	1,429.63	3/4	1,071.33	3/4	713.54	3/4	362.83	3/4	53.81	3/4		3/4	
2	2,497.05	2	2,138.75	2	1,780.46	2	1,422.16	2	1,063.87	2	706.07	2	355.93	2	48.33	2		2	
1/4	2,489.58	1/4	2,131.29	1/4	1,772.99	1/4	1,414.70	1/4	1,056.41	1/4	698.61	1/4	349.03	1/4	42.84	1/4		1/4	
1/2	2,482.12	1/2	2,123.82	1/2	1,765.53	1/2	1,407.23	1/2	1,048.95	1/2	691.14	1/2	342.13	1/2	37.36	1/2		1/2	
3/4	2,474.66	3/4	2,116.36	3/4	1,758.06	3/4	1,399.77	3/4	1,041.49	3/4	683.68	3/4	335.30	3/4	33.36	3/4		3/4	
3	2,467.19	3	2,108.90	3	1,750.60	3	1,392.30	3	1,034.03	3	676.21	3	328.48	3	29.36	3		3	
1/4	2,459.73	1/4	2,101.43	1/4	1,743.13	1/4	1,384.84	1/4	1,026.58	1/4	668.75	1/4	321.65	1/4	25.35	1/4		1/4	
1/2	2,452.26	1/2	2,093.97	1/2	1,735.67	1/2	1,377.37	1/2	1,019.12	1/2	661.28	1/2	314.82	1/2	21.35	1/2		1/2	
3/4	2,444.80	3/4	2,086.50	3/4	1,728.21	3/4	1,369.91	3/4	1,011.66	3/4	653.82	3/4	308.08	3/4	18.44	3/4		3/4	
4	2,437.33	4	2,079.04	4	1,720.74	4	1,362.45	4	1,004.21	4	646.36	4	301.33	4		4		4	
1/4	2,429.87	1/4	2,071.57	1/4	1,713.28	1/4	1,354.98	1/4	996.76	1/4	638.89	1/4	294.58	1/4		1/4		1/4	
1/2	2,422.40	1/2	2,064.11	1/2	1,705.81	1/2	1,347.52	1/2	989.30	1/2	631.43	1/2	287.84	1/2		1/2		1/2	
3/4	2,414.94	3/4	2,056.64	3/4	1,698.35	3/4	1,340.05	3/4	981.85	3/4	623.96	3/4	281.17	3/4		3/4		3/4	
5	2,407.48	5	2,049.18	5	1,690.88	5	1,332.59	5	974.40	5	616.50	5	274.50	5		5		5	
1/4	2,400.01	1/4	2,041.71	1/4	1,683.42	1/4	1,325.12	1/4	966.95	1/4	609.03	1/4	267.84	1/4		1/4		1/4	
1/2	2,392.55	1/2	2,034.25	1/2	1,675.95	1/2	1,317.66	1/2	959.50	1/2	601.57	1/2	261.17	1/2		1/2		1/2	
3/4	2,385.08	3/4	2,026.79	3/4	1,668.49	3/4	1,310.19	3/4	952.05	3/4	594.11	3/4	254.59	3/4		3/4		3/4	
6	2,377.62	6	2,019.32	6	1,661.03	6	1,302.73	6	944.60	6	586.64	6	248.00	6		6		6	
1/4	2,370.15	1/4	2,011.86	1/4	1,653.56	1/4	1,295.26	1/4	937.15	1/4	579.18	1/4	241.42	1/4		1/4		1/4	
1/2	2,362.69	1/2	2,004.39	1/2	1,646.10	1/2	1,287.80	1/2	929.70	1/2	571.71	1/2	234.83	1/2		1/2		1/2	
3/4	2,355.22	3/4	1,996.93	3/4	1,638.63	3/4	1,280.34	3/4	922.25	3/4	564.28	3/4	228.33	3/4		3/4		3/4	
7	2,347.76	7	1,989.46	7	1,631.17	7	1,272.87	7	914.80	7	556.84	7	221.83	7		7		7	
1/4	2,340.29	1/4	1,982.00	1/4	1,623.70	1/4	1,265.41	1/4	907.34	1/4	549.40	1/4	215.32	1/4		1/4		1/4	
1/2	2,332.83	1/2	1,974.53	1/2	1,616.24	1/2	1,257.94	1/2	899.89	1/2	541.96	1/2	208.82	1/2		1/2		1/2	
3/4	2,325.37	3/4	1,967.07	3/4	1,608.77	3/4	1,250.48	3/4	892.44	3/4	534.59	3/4	202.40	3/4		3/4		3/4	
8	2,317.90	8	1,959.61	8	1,601.31	8	1,243.01	8	884.99	8	527.22	8	195.98	8		8		8	
1/4	2,310.44	1/4	1,952.14	1/4	1,593.84	1/4	1,235.55	1/4	877.54	1/4	519.84	1/4	189.55	1/4		1/4		1/4	
1/2	2,302.97	1/2	1,944.68	1/2	1,586.38	1/2	1,228.08	1/2	870.09	1/2	512.47	1/2	183.13	1/2		1/2		1/2	
3/4	2,295.51	3/4	1,937.21	3/4	1,578.92	3/4	1,220.62	3/4	862.64	3/4	505.17	3/4	176.79	3/4		3/4		3/4	
9	2,288.04	9	1,929.75	9	1,571.45	9	1,213.16	9	855.19	9	497.88	9	170.44	9		9		9	
1/4	2,280.58	1/4	1,922.28	1/4	1,563.99	1/4	1,205.69	1/4	847.74	1/4	490.58	1/4	164.09	1/4		1/4		1/4	
1/2	2,273.11	1/2	1,914.82	1/2	1,556.52	1/2	1,198.23	1/2	840.29	1/2	483.29	1/2	157.74	1/2		1/2		1/2	
3/4	2,265.65	3/4	1,907.35	3/4	1,549.06	3/4	1,190.76	3/4	832.84	3/4	476.07	3/4	151.47	3/4		3/4		3/4	
10	2,258.19	10	1,899.89	10	1,541.59	10	1,183.30	10	825.39	10	468.85	10	145.20	10		10		10	
1/4	2,250.72	1/4	1,892.42	1/4	1,534.13	1/4	1,175.83	1/4	817.94	1/4	461.63	1/4	138.92	1/4		1/4		1/4	
1/2	2,243.26	1/2	1,884.96	1/2	1,526.66	1/2	1,168.37	1/2	810.49	1/2	454.41	1/2	132.65	1/2		1/2		1/2	
3/4	2,235.79	3/4	1,877.50	3/4	1,519.20	3/4	1,160.90	3/4	803.04	3/4	447.27	3/4	126.46	3/4		3/4		3/4	
11	2,228.33	11	1,870.03	11	1,511.74	11	1,153.44	11	795.59	11	440.13	11	120.26	11		11		11	
1/4	2,220.86	1/4	1,862.57	1/4	1,504.27	1/4	1,145.97	1/4	788.14	1/4	433.00	1/4	114.07	1/4		1/4		1/4	
1/2	2,213.40	1/2	1,855.10	1/2	1,496.81	1/2	1,138.51	1/2	780.68	1/2	425.86	1/2	107.87	1/2		1/2		1/2	
3/4	2,205.93	3/4	1,847.64	3/4	1,489.34	3/4	1,131.05	3/4	773.23	3/4	418.80	3/4	101.76	3/4		3/4		3/4	

STRAPPED: 02/20/2014 PMA
RECALCULATED: 04/30/2019 SW
VERIFIED: 05/08/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3120"

2 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03-3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,772.51	0	4,414.89	0	4,055.99	0	3,697.02	0	3,338.04	0	2,979.07
1/4		1/4		1/4		1/4		1/4	4,765.09	1/4	4,407.43	1/4	4,048.51	1/4	3,689.54	1/4	3,330.57	1/4	2,971.59
1/2		1/2		1/2		1/2		1/2	4,757.67	1/2	4,399.98	1/2	4,041.03	1/2	3,682.06	1/2	3,323.09	1/2	2,964.11
3/4		3/4		3/4		3/4		3/4	4,750.26	3/4	4,392.51	3/4	4,033.55	3/4	3,674.58	3/4	3,315.61	3/4	2,956.62
1		1		1		1		1	4,742.84	1	4,385.03	1	4,026.08	1	3,667.10	1	3,308.13	1	2,949.14
1/4		1/4		1/4		1/4		1/4	5,079.81	1/4	4,735.42	1/4	4,377.56	1/4	4,018.60	1/4	3,659.62	1/4	3,300.65
1/2		1/2		1/2		1/2		1/2	5,075.06	1/2	4,728.01	1/2	4,370.09	1/2	4,011.12	1/2	3,652.15	1/2	3,293.17
3/4		3/4		3/4		3/4		3/4	5,069.24	3/4	4,720.57	3/4	4,362.61	3/4	4,003.64	3/4	3,644.67	3/4	3,285.69
2		2		2		2		2	5,063.43	2	4,713.13	2	4,355.13	2	3,996.16	2	3,637.19	2	3,278.22
1/4		1/4		1/4		1/4		1/4	5,057.61	1/4	4,705.69	1/4	4,347.65	1/4	3,988.68	1/4	3,629.71	1/4	3,270.74
1/2		1/2		1/2		1/2		1/2	5,051.79	1/2	4,698.26	1/2	4,340.18	1/2	3,981.20	1/2	3,622.23	1/2	3,263.26
3/4		3/4		3/4		3/4		3/4	5,044.97	3/4	4,690.80	3/4	4,332.70	3/4	3,973.72	3/4	3,614.75	3/4	3,255.78
3		3		3		3		3	5,038.15	3	4,683.34	3	4,325.22	3	3,966.25	3	3,607.27	3	3,248.30
1/4		1/4		1/4		1/4		1/4	5,031.33	1/4	4,675.89	1/4	4,317.74	1/4	3,958.77	1/4	3,599.79	1/4	3,240.82
1/2		1/2		1/2		1/2		1/2	5,024.51	1/2	4,668.43	1/2	4,310.26	1/2	3,951.29	1/2	3,592.32	1/2	3,233.34
3/4		3/4		3/4		3/4		3/4	5,017.15	3/4	4,660.97	3/4	4,302.78	3/4	3,943.81	3/4	3,584.84	3/4	3,225.86
4		4		4		4		4	5,009.80	4	4,653.52	4	4,295.30	4	3,936.33	4	3,577.36	4	3,218.39
1/4		1/4		1/4		1/4		1/4	5,002.44	1/4	4,646.06	1/4	4,287.83	1/4	3,928.85	1/4	3,569.88	1/4	3,210.91
1/2		1/2		1/2		1/2		1/2	4,995.08	1/2	4,638.60	1/2	4,280.35	1/2	3,921.37	1/2	3,562.40	1/2	3,203.43
3/4		3/4		3/4		3/4		3/4	4,987.66	3/4	4,631.14	3/4	4,272.87	3/4	3,913.90	3/4	3,554.92	3/4	3,195.95
5		5		5		5		5	4,980.24	5	4,623.69	5	4,265.39	5	3,906.42	5	3,547.44	5	3,188.47
1/4		1/4		1/4		1/4		1/4	4,972.82	1/4	4,616.23	1/4	4,257.91	1/4	3,898.94	1/4	3,539.97	1/4	3,180.99
1/2		1/2		1/2		1/2		1/2	4,965.40	1/2	4,608.77	1/2	4,250.43	1/2	3,891.46	1/2	3,532.49	1/2	3,173.51
3/4		3/4		3/4		3/4		3/4	4,957.98	3/4	4,601.32	3/4	4,242.95	3/4	3,883.98	3/4	3,525.01	3/4	3,166.04
6		6		6		6		6	4,950.56	6	4,593.86	6	4,235.48	6	3,876.50	6	3,517.53	6	3,158.56
1/4		1/4		1/4		1/4		1/4	4,943.14	1/4	4,586.40	1/4	4,228.00	1/4	3,869.02	1/4	3,510.05	1/4	3,151.08
1/2		1/2		1/2		1/2		1/2	4,935.71	1/2	4,578.95	1/2	4,220.52	1/2	3,861.55	1/2	3,502.57	1/2	3,143.60
3/4		3/4		3/4		3/4		3/4	4,928.29	3/4	4,571.49	3/4	4,213.04	3/4	3,854.07	3/4	3,495.09	3/4	3,136.12
7		7		7		7		7	4,920.87	7	4,564.03	7	4,205.56	7	3,846.59	7	3,487.62	7	3,128.64
1/4		1/4		1/4		1/4		1/4	4,913.45	1/4	4,556.57	1/4	4,198.08	1/4	3,839.11	1/4	3,480.14	1/4	3,121.16
1/2		1/2		1/2		1/2		1/2	4,906.03	1/2	4,549.12	1/2	4,190.60	1/2	3,831.63	1/2	3,472.66	1/2	3,113.69
3/4		3/4		3/4		3/4		3/4	4,898.61	3/4	4,541.66	3/4	4,183.13	3/4	3,824.15	3/4	3,465.18	3/4	3,106.21
8		8		8		8		8	4,891.19	8	4,534.20	8	4,175.65	8	3,816.67	8	3,457.70	8	3,098.73
1/4		1/4		1/4		1/4		1/4	4,883.77	1/4	4,526.75	1/4	4,168.17	1/4	3,809.20	1/4	3,450.22	1/4	3,091.25
1/2		1/2		1/2		1/2		1/2	4,876.35	1/2	4,519.29	1/2	4,160.69	1/2	3,801.72	1/2	3,442.74	1/2	3,083.77
3/4		3/4		3/4		3/4		3/4	4,868.93	3/4	4,511.83	3/4	4,153.21	3/4	3,794.24	3/4	3,435.27	3/4	3,076.29
9		9		9		9		9	4,861.52	9	4,504.38	9	4,145.73	9	3,786.76	9	3,427.79	9	3,068.81
1/4		1/4		1/4		1/4		1/4	4,854.10	1/4	4,496.92	1/4	4,138.25	1/4	3,779.28	1/4	3,420.31	1/4	3,061.34
1/2		1/2		1/2		1/2		1/2	4,846.68	1/2	4,489.46	1/2	4,130.78	1/2	3,771.80	1/2	3,412.83	1/2	3,053.86
3/4		3/4		3/4		3/4		3/4	4,839.27	3/4	4,482.00	3/4	4,123.30	3/4	3,764.32	3/4	3,405.35	3/4	3,046.38
10		10		10		10		10	4,831.85	10	4,474.55	10	4,115.82	10	3,756.85	10	3,397.87	10	3,038.90
1/4		1/4		1/4		1/4		1/4	4,824.43	1/4	4,467.09	1/4	4,108.34	1/4	3,749.37	1/4	3,390.39	1/4	3,031.42
1/2		1/2		1/2		1/2		1/2	4,817.01	1/2	4,459.63	1/2	4,100.86	1/2	3,741.89	1/2	3,382.92	1/2	3,023.94
3/4		3/4		3/4		3/4		3/4	4,809.60	3/4	4,452.18	3/4	4,093.38	3/4	3,734.41	3/4	3,375.44	3/4	3,016.46
11		11		11		11		11	4,802.18	11	4,444.72	11	4,085.90	11	3,726.93	11	3,367.96	11	3,008.99
1/4		1/4		1/4		1/4		1/4	4,794.76	1/4	4,437.26	1/4	4,078.43	1/4	3,719.45	1/4	3,360.48	1/4	3,001.51
1/2		1/2		1/2		1/2		1/2	4,787.34	1/2	4,429.81	1/2	4,070.95	1/2	3,711.97	1/2	3,353.00	1/2	2,994.03
3/4		3/4		3/4		3/4		3/4	4,779.93	3/4	4,422.35	3/4	4,063.47	3/4	3,704.50	3/4	3,345.52	3/4	2,986.55

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'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "HTCO 3120"

2 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03-3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,619.90	0	2,260.73	0	1,901.56	0	1,542.39	0	1,183.51	0	838.10	0	479.25	0	120.09	0		0	
1/4	2,612.42	1/4	2,253.25	1/4	1,894.08	1/4	1,534.91	1/4	1,176.16	1/4	830.77	1/4	471.77	1/4	112.61	1/4		1/4	
1/2	2,604.94	1/2	2,245.77	1/2	1,886.60	1/2	1,527.43	1/2	1,168.82	1/2	823.44	1/2	464.28	1/2	105.12	1/2		1/2	
3/4	2,597.45	3/4	2,238.28	3/4	1,879.11	3/4	1,519.94	3/4	1,161.62	3/4	815.96	3/4	456.80	3/4	97.64	3/4		3/4	
1	2,589.97	1	2,230.80	1	1,871.63	1	1,512.46	1	1,154.42	1	808.48	1	449.32	1	90.16	1		1	
1/4	2,582.49	1/4	2,223.32	1/4	1,864.15	1/4	1,504.98	1/4	1,147.22	1/4	801.00	1/4	441.84	1/4	82.68	1/4		1/4	
1/2	2,575.01	1/2	2,215.84	1/2	1,856.67	1/2	1,497.50	1/2	1,140.02	1/2	793.51	1/2	434.35	1/2	75.19	1/2		1/2	
3/4	2,567.52	3/4	2,208.35	3/4	1,849.18	3/4	1,490.01	3/4	1,132.83	3/4	786.03	3/4	426.87	3/4	68.18	3/4		3/4	
2	2,560.04	2	2,200.87	2	1,841.70	2	1,482.53	2	1,125.64	2	778.55	2	419.39	2	61.16	2		2	
1/4	2,552.56	1/4	2,193.39	1/4	1,834.22	1/4	1,475.05	1/4	1,118.44	1/4	771.07	1/4	411.91	1/4	54.15	1/4		1/4	
1/2	2,545.07	1/2	2,185.90	1/2	1,826.74	1/2	1,467.57	1/2	1,111.25	1/2	763.58	1/2	404.42	1/2	47.13	1/2		1/2	
3/4	2,537.59	3/4	2,178.42	3/4	1,819.25	3/4	1,460.08	3/4	1,104.06	3/4	756.10	3/4	396.94	3/4	41.52	3/4		3/4	
3	2,530.11	3	2,170.94	3	1,811.77	3	1,452.60	3	1,096.88	3	748.62	3	389.46	3	35.91	3		3	
1/4	2,522.63	1/4	2,163.46	1/4	1,804.29	1/4	1,445.12	1/4	1,089.69	1/4	741.14	1/4	381.98	1/4	30.30	1/4		1/4	
1/2	2,515.14	1/2	2,155.97	1/2	1,796.80	1/2	1,437.63	1/2	1,082.50	1/2	733.65	1/2	374.49	1/2	24.69	1/2		1/2	
3/4	2,507.66	3/4	2,148.49	3/4	1,789.32	3/4	1,430.15	3/4	1,075.32	3/4	726.17	3/4	367.01	3/4	20.95	3/4		3/4	
4	2,500.18	4	2,141.01	4	1,781.84	4	1,422.67	4	1,068.14	4	718.69	4	359.53	4		4		4	
1/4	2,492.70	1/4	2,133.53	1/4	1,774.36	1/4	1,415.19	1/4	1,060.96	1/4	711.21	1/4	352.05	1/4		1/4		1/4	
1/2	2,485.21	1/2	2,126.04	1/2	1,766.87	1/2	1,407.70	1/2	1,053.77	1/2	703.72	1/2	344.56	1/2		1/2		1/2	
3/4	2,477.73	3/4	2,118.56	3/4	1,759.39	3/4	1,400.22	3/4	1,046.59	3/4	696.24	3/4	337.08	3/4		3/4		3/4	
5	2,470.25	5	2,111.08	5	1,751.91	5	1,392.74	5	1,039.42	5	688.76	5	329.60	5		5		5	
1/4	2,462.76	1/4	2,103.60	1/4	1,744.43	1/4	1,385.26	1/4	1,032.24	1/4	681.28	1/4	322.12	1/4		1/4		1/4	
1/2	2,455.28	1/2	2,096.11	1/2	1,736.94	1/2	1,377.77	1/2	1,025.06	1/2	673.79	1/2	314.63	1/2		1/2		1/2	
3/4	2,447.79	3/4	2,088.63	3/4	1,729.46	3/4	1,370.29	3/4	1,017.88	3/4	666.31	3/4	307.15	3/4		3/4		3/4	
6	2,440.32	6	2,081.15	6	1,721.98	6	1,362.81	6	1,010.70	6	658.83	6	299.67	6		6		6	
1/4	2,432.83	1/4	2,073.66	1/4	1,714.49	1/4	1,355.33	1/4	1,003.52	1/4	651.35	1/4	292.19	1/4		1/4		1/4	
1/2	2,425.35	1/2	2,066.18	1/2	1,707.01	1/2	1,347.84	1/2	996.34	1/2	643.86	1/2	284.70	1/2		1/2		1/2	
3/4	2,417.87	3/4	2,058.70	3/4	1,699.53	3/4	1,340.36	3/4	989.16	3/4	636.38	3/4	277.22	3/4		3/4		3/4	
7	2,410.39	7	2,051.22	7	1,692.05	7	1,332.88	7	981.98	7	628.90	7	269.74	7		7		7	
1/4	2,402.90	1/4	2,043.73	1/4	1,684.56	1/4	1,325.39	1/4	974.81	1/4	621.42	1/4	262.26	1/4		1/4		1/4	
1/2	2,395.42	1/2	2,036.25	1/2	1,677.08	1/2	1,317.91	1/2	967.63	1/2	613.93	1/2	254.77	1/2		1/2		1/2	
3/4	2,387.94	3/4	2,028.77	3/4	1,669.60	3/4	1,310.43	3/4	960.45	3/4	606.45	3/4	247.29	3/4		3/4		3/4	
8	2,380.45	8	2,021.29	8	1,662.12	8	1,302.95	8	953.27	8	598.97	8	239.81	8		8		8	
1/4	2,372.97	1/4	2,013.80	1/4	1,654.63	1/4	1,295.46	1/4	946.09	1/4	591.49	1/4	232.33	1/4		1/4		1/4	
1/2	2,365.49	1/2	2,006.32	1/2	1,647.15	1/2	1,287.98	1/2	938.91	1/2	584.00	1/2	224.84	1/2		1/2		1/2	
3/4	2,358.01	3/4	1,998.84	3/4	1,639.67	3/4	1,280.50	3/4	931.73	3/4	576.52	3/4	217.36	3/4		3/4		3/4	
9	2,350.52	9	1,991.35	9	1,632.18	9	1,273.02	9	924.55	9	569.04	9	209.88	9		9		9	
1/4	2,343.04	1/4	1,983.87	1/4	1,624.70	1/4	1,265.53	1/4	917.37	1/4	561.56	1/4	202.40	1/4		1/4		1/4	
1/2	2,335.56	1/2	1,976.39	1/2	1,617.22	1/2	1,258.05	1/2	910.20	1/2	554.07	1/2	194.91	1/2		1/2		1/2	
3/4	2,328.08	3/4	1,968.91	3/4	1,609.74	3/4	1,250.57	3/4	903.02	3/4	546.59	3/4	187.43	3/4		3/4		3/4	
10	2,320.59	10	1,961.42	10	1,602.25	10	1,243.08	10	895.84	10	539.11	10	179.95	10		10		10	
1/4	2,313.11	1/4	1,953.94	1/4	1,594.77	1/4	1,235.60	1/4	888.66	1/4	531.63	1/4	172.47	1/4		1/4		1/4	
1/2	2,305.63	1/2	1,946.46	1/2	1,587.29	1/2	1,228.12	1/2	881.48	1/2	524.14	1/2	164.98	1/2		1/2		1/2	
3/4	2,298.15	3/4	1,938.98	3/4	1,579.81	3/4	1,220.64	3/4	874.30	3/4	516.66	3/4	157.50	3/4		3/4		3/4	
11	2,290.66	11	1,931.49	11	1,572.32	11	1,213.15	11	867.12	11	509.18	11	150.02	11		11		11	
1/4	2,283.18	1/4	1,924.01	1/4	1,564.84	1/4	1,205.67	1/4	859.94	1/4	501.70	1/4	142.54	1/4		1/4		1/4	
1/2	2,275.70	1/2	1,916.53	1/2	1,557.36	1/2	1,198.19	1/2	852.76	1/2	494.21	1/2	135.05	1/2		1/2		1/2	
3/4	2,268.21	3/4	1,909.04	3/4	1,549.88	3/4	1,190.85	3/4	845.43	3/4	486.73	3/4	127.57	3/4		3/4		3/4	

STRAPPED: 02/20/2014 PMA
RECALCULATED: 04/30/2019 SW
VERIFIED: 05/08/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3120"

2 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	4,781.29	0	4,423.46	0	4,064.38	0	3,705.23	0	3,346.08	0	2,986.91
1/4		1/4		1/4		1/4		1/4	4,773.87	1/4	4,416.00	1/4	4,056.89	1/4	3,697.74	1/4	3,338.59	1/4	2,979.43
1/2		1/2		1/2		1/2		1/2	4,766.45	1/2	4,408.53	1/2	4,049.41	1/2	3,690.26	1/2	3,331.11	1/2	2,971.94
3/4		3/4		3/4		3/4		3/4	4,759.03	3/4	4,401.06	3/4	4,041.93	3/4	3,682.78	3/4	3,323.63	3/4	2,964.46
1		1		1		1	5,096.15	1	4,751.61	1	4,393.59	1	4,034.45	1	3,675.30	1	3,316.15	1	2,956.97
1/4		1/4		1/4		1/4	5,091.40	1/4	4,744.19	1/4	4,386.12	1/4	4,026.96	1/4	3,667.81	1/4	3,308.66	1/4	2,949.48
1/2		1/2		1/2		1/2	5,085.58	1/2	4,736.75	1/2	4,378.63	1/2	4,019.48	1/2	3,660.33	1/2	3,301.18	1/2	2,942.00
3/4		3/4		3/4		3/4	5,079.76	3/4	4,729.31	3/4	4,371.15	3/4	4,012.00	3/4	3,652.85	3/4	3,293.70	3/4	2,934.51
2		2		2		2	5,073.94	2	4,721.86	2	4,363.67	2	4,004.52	2	3,645.37	2	3,286.22	2	2,927.02
1/4		1/4		1/4		1/4	5,068.12	1/4	4,714.42	1/4	4,356.19	1/4	3,997.04	1/4	3,637.89	1/4	3,278.73	1/4	2,919.54
1/2		1/2		1/2		1/2	5,061.29	1/2	4,706.96	1/2	4,348.70	1/2	3,989.55	1/2	3,630.40	1/2	3,271.25	1/2	2,912.05
3/4		3/4		3/4		3/4	5,054.47	3/4	4,699.50	3/4	4,341.22	3/4	3,982.07	3/4	3,622.92	3/4	3,263.77	3/4	2,904.57
3		3		3		3	5,047.65	3	4,692.04	3	4,333.74	3	3,974.59	3	3,615.44	3	3,256.29	3	2,897.08
1/4		1/4		1/4		1/4	5,040.82	1/4	4,684.58	1/4	4,326.26	1/4	3,967.11	1/4	3,607.96	1/4	3,248.81	1/4	2,889.59
1/2		1/2		1/2		1/2	5,033.47	1/2	4,677.12	1/2	4,318.77	1/2	3,959.62	1/2	3,600.47	1/2	3,241.32	1/2	2,882.11
3/4		3/4		3/4		3/4	5,026.11	3/4	4,669.66	3/4	4,311.29	3/4	3,952.14	3/4	3,592.99	3/4	3,233.84	3/4	2,874.62
4		4		4		4	5,018.75	4	4,662.20	4	4,303.81	4	3,944.66	4	3,585.51	4	3,226.36	4	2,867.13
1/4		1/4		1/4		1/4	5,011.39	1/4	4,654.74	1/4	4,296.33	1/4	3,937.18	1/4	3,578.03	1/4	3,218.88	1/4	2,859.65
1/2		1/2		1/2		1/2	5,003.97	1/2	4,647.28	1/2	4,288.85	1/2	3,929.70	1/2	3,570.54	1/2	3,211.39	1/2	2,852.16
3/4		3/4		3/4		3/4	4,996.54	3/4	4,639.82	3/4	4,281.36	3/4	3,922.21	3/4	3,563.06	3/4	3,203.91	3/4	2,844.68
5		5		5		5	4,989.12	5	4,632.36	5	4,273.88	5	3,914.73	5	3,555.58	5	3,196.43	5	2,837.19
1/4		1/4		1/4		1/4	4,981.69	1/4	4,624.90	1/4	4,266.40	1/4	3,907.25	1/4	3,548.10	1/4	3,188.95	1/4	2,829.70
1/2		1/2		1/2		1/2	4,974.27	1/2	4,617.44	1/2	4,258.92	1/2	3,899.77	1/2	3,540.62	1/2	3,181.46	1/2	2,822.22
3/4		3/4		3/4		3/4	4,966.84	3/4	4,609.98	3/4	4,251.43	3/4	3,892.28	3/4	3,533.13	3/4	3,173.98	3/4	2,814.73
6		6		6		6	4,959.42	6	4,602.52	6	4,243.95	6	3,884.80	6	3,525.65	6	3,166.50	6	2,807.24
1/4		1/4		1/4		1/4	4,951.99	1/4	4,595.05	1/4	4,236.47	1/4	3,877.32	1/4	3,518.17	1/4	3,159.02	1/4	2,799.76
1/2		1/2		1/2		1/2	4,944.57	1/2	4,587.59	1/2	4,228.99	1/2	3,869.84	1/2	3,510.69	1/2	3,151.54	1/2	2,792.27
3/4		3/4		3/4		3/4	4,937.14	3/4	4,580.13	3/4	4,221.50	3/4	3,862.35	3/4	3,503.20	3/4	3,144.05	3/4	2,784.79
7		7		7		7	4,929.72	7	4,572.67	7	4,214.02	7	3,854.87	7	3,495.72	7	3,136.57	7	2,777.30
1/4		1/4		1/4		1/4	4,922.29	1/4	4,565.21	1/4	4,206.54	1/4	3,847.39	1/4	3,488.24	1/4	3,129.09	1/4	2,769.81
1/2		1/2		1/2		1/2	4,914.87	1/2	4,557.75	1/2	4,199.06	1/2	3,839.91	1/2	3,480.76	1/2	3,121.61	1/2	2,762.33
3/4		3/4		3/4		3/4	4,907.45	3/4	4,550.29	3/4	4,191.58	3/4	3,832.43	3/4	3,473.27	3/4	3,114.12	3/4	2,754.84
8		8		8		8	4,900.02	8	4,542.83	8	4,184.09	8	3,824.94	8	3,465.79	8	3,106.64	8	2,747.35
1/4		1/4		1/4		1/4	4,892.60	1/4	4,535.37	1/4	4,176.61	1/4	3,817.46	1/4	3,458.31	1/4	3,099.16	1/4	2,739.87
1/2		1/2		1/2		1/2	4,885.18	1/2	4,527.91	1/2	4,169.13	1/2	3,809.98	1/2	3,450.83	1/2	3,091.68	1/2	2,732.38
3/4		3/4		3/4		3/4	4,877.76	3/4	4,520.45	3/4	4,161.65	3/4	3,802.50	3/4	3,443.35	3/4	3,084.20	3/4	2,724.89
9		9		9		9	4,870.34	9	4,512.99	9	4,154.16	9	3,795.01	9	3,435.86	9	3,076.71	9	2,717.41
1/4		1/4		1/4		1/4	4,862.92	1/4	4,505.53	1/4	4,146.68	1/4	3,787.53	1/4	3,428.38	1/4	3,069.23	1/4	2,709.92
1/2		1/2		1/2		1/2	4,855.50	1/2	4,498.07	1/2	4,139.20	1/2	3,780.05	1/2	3,420.90	1/2	3,061.75	1/2	2,702.44
3/4		3/4		3/4		3/4	4,848.08	3/4	4,490.61	3/4	4,131.72	3/4	3,772.57	3/4	3,413.42	3/4	3,054.27	3/4	2,694.95
10		10		10		10	4,840.66	10	4,483.15	10	4,124.23	10	3,765.08	10	3,405.93	10	3,046.78	10	2,687.46
1/4		1/4		1/4		1/4	4,833.24	1/4	4,475.69	1/4	4,116.75	1/4	3,757.60	1/4	3,398.45	1/4	3,039.30	1/4	2,679.98
1/2		1/2		1/2		1/2	4,825.81	1/2	4,468.22	1/2	4,109.27	1/2	3,750.12	1/2	3,390.97	1/2	3,031.82	1/2	2,672.49
3/4		3/4		3/4		3/4	4,818.39	3/4	4,460.76	3/4	4,101.79	3/4	3,742.64	3/4	3,383.49	3/4	3,024.34	3/4	2,665.00
11		11		11		11	4,810.97	11	4,453.30	11	4,094.31	11	3,735.16	11	3,376.00	11	3,016.85	11	2,657.52
1/4		1/4		1/4		1/4	4,803.55	1/4	4,445.84	1/4	4,086.82	1/4	3,727.67	1/4	3,368.52	1/4	3,009.37	1/4	2,650.03
1/2		1/2		1/2		1/2	4,796.13	1/2	4,438.38	1/2	4,079.34	1/2	3,720.19	1/2	3,361.04	1/2	3,001.89	1/2	2,642.55
3/4		3/4		3/4		3/4	4,788.71	3/4	4,430.92	3/4	4,071.86	3/4	3,712.71	3/4	3,353.56	3/4	2,994.40	3/4	2,635.06

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'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "HTCO 3120"

2 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03-1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,627.57	0	2,268.23	0	1,908.89	0	1,549.55	0	1,190.20	0	831.31	0	471.99	0	112.65	0		0	
1/4	2,620.09	1/4	2,260.74	1/4	1,901.40	1/4	1,542.06	1/4	1,182.72	1/4	823.83	1/4	464.50	1/4	105.17	1/4		1/4	
1/2	2,612.60	1/2	2,253.26	1/2	1,893.92	1/2	1,534.57	1/2	1,175.23	1/2	816.35	1/2	457.01	1/2	97.68	1/2		1/2	
3/4	2,605.11	3/4	2,245.77	3/4	1,886.43	3/4	1,527.09	3/4	1,167.74	3/4	808.86	3/4	449.53	3/4	90.20	3/4		3/4	
1	2,597.63	1	2,238.29	1	1,878.94	1	1,519.60	1	1,160.26	1	801.37	1	442.04	1	82.71	1		1	
1/4	2,590.14	1/4	2,230.80	1/4	1,871.46	1/4	1,512.11	1/4	1,152.77	1/4	793.89	1/4	434.56	1/4	75.22	1/4		1/4	
1/2	2,582.65	1/2	2,223.31	1/2	1,863.97	1/2	1,504.63	1/2	1,145.29	1/2	786.40	1/2	427.07	1/2	68.21	1/2		1/2	
3/4	2,575.17	3/4	2,215.83	3/4	1,856.48	3/4	1,497.14	3/4	1,137.80	3/4	778.92	3/4	419.58	3/4	61.19	3/4		3/4	
2	2,567.68	2	2,208.34	2	1,849.00	2	1,489.66	2	1,130.32	2	771.43	2	412.10	2	54.17	2		2	
1/4	2,560.20	1/4	2,200.85	1/4	1,841.51	1/4	1,482.17	1/4	1,122.84	1/4	763.94	1/4	404.61	1/4	47.15	1/4		1/4	
1/2	2,552.71	1/2	2,193.37	1/2	1,834.02	1/2	1,474.68	1/2	1,115.36	1/2	756.46	1/2	397.13	1/2	41.54	1/2		1/2	
3/4	2,545.22	3/4	2,185.88	3/4	1,826.54	3/4	1,467.20	3/4	1,107.88	3/4	748.97	3/4	389.64	3/4	35.92	3/4		3/4	
3	2,537.74	3	2,178.39	3	1,819.05	3	1,459.71	3	1,100.40	3	741.49	3	382.15	3	30.31	3		3	
1/4	2,530.25	1/4	2,170.91	1/4	1,811.57	1/4	1,452.22	1/4	1,092.91	1/4	734.00	1/4	374.67	1/4	24.69	1/4		1/4	
1/2	2,522.76	1/2	2,163.42	1/2	1,804.08	1/2	1,444.74	1/2	1,085.44	1/2	726.51	1/2	367.18	1/2	20.95	1/2		1/2	
3/4	2,515.28	3/4	2,155.94	3/4	1,796.59	3/4	1,437.25	3/4	1,077.96	3/4	719.03	3/4	359.70	3/4		3/4		3/4	
4	2,507.79	4	2,148.45	4	1,789.11	4	1,429.76	4	1,070.48	4	711.54	4	352.21	4		4		4	
1/4	2,500.31	1/4	2,140.96	1/4	1,781.62	1/4	1,422.28	1/4	1,063.00	1/4	704.06	1/4	344.72	1/4		1/4		1/4	
1/2	2,492.82	1/2	2,133.48	1/2	1,774.13	1/2	1,414.79	1/2	1,055.53	1/2	696.57	1/2	337.24	1/2		1/2		1/2	
3/4	2,485.33	3/4	2,125.99	3/4	1,766.65	3/4	1,407.31	3/4	1,048.06	3/4	689.08	3/4	329.75	3/4		3/4		3/4	
5	2,477.85	5	2,118.50	5	1,759.16	5	1,399.82	5	1,040.58	5	681.60	5	322.26	5		5		5	
1/4	2,470.36	1/4	2,111.02	1/4	1,751.68	1/4	1,392.33	1/4	1,033.11	1/4	674.11	1/4	314.78	1/4		1/4		1/4	
1/2	2,462.87	1/2	2,103.53	1/2	1,744.19	1/2	1,384.85	1/2	1,025.64	1/2	666.63	1/2	307.29	1/2		1/2		1/2	
3/4	2,455.39	3/4	2,096.05	3/4	1,736.70	3/4	1,377.36	3/4	1,018.17	3/4	659.14	3/4	299.81	3/4		3/4		3/4	
6	2,447.90	6	2,088.56	6	1,729.22	6	1,369.87	6	1,010.69	6	651.65	6	292.32	6		6		6	
1/4	2,440.42	1/4	2,081.07	1/4	1,721.73	1/4	1,362.39	1/4	1,003.22	1/4	644.17	1/4	284.83	1/4		1/4		1/4	
1/2	2,432.93	1/2	2,073.59	1/2	1,714.24	1/2	1,354.90	1/2	995.75	1/2	636.68	1/2	277.35	1/2		1/2		1/2	
3/4	2,425.44	3/4	2,066.10	3/4	1,706.76	3/4	1,347.42	3/4	988.27	3/4	629.19	3/4	269.86	3/4		3/4		3/4	
7	2,417.96	7	2,058.61	7	1,699.27	7	1,339.93	7	980.80	7	621.71	7	262.38	7		7		7	
1/4	2,410.47	1/4	2,051.13	1/4	1,691.79	1/4	1,332.44	1/4	973.33	1/4	614.22	1/4	254.89	1/4		1/4		1/4	
1/2	2,402.98	1/2	2,043.64	1/2	1,684.30	1/2	1,324.96	1/2	965.85	1/2	606.74	1/2	247.40	1/2		1/2		1/2	
3/4	2,395.50	3/4	2,036.16	3/4	1,676.81	3/4	1,317.47	3/4	958.38	3/4	599.25	3/4	239.92	3/4		3/4		3/4	
8	2,388.01	8	2,028.67	8	1,669.33	8	1,309.98	8	950.91	8	591.76	8	232.43	8		8		8	
1/4	2,380.52	1/4	2,021.18	1/4	1,661.84	1/4	1,302.50	1/4	943.43	1/4	584.28	1/4	224.95	1/4		1/4		1/4	
1/2	2,373.04	1/2	2,013.70	1/2	1,654.35	1/2	1,295.01	1/2	935.96	1/2	576.79	1/2	217.46	1/2		1/2		1/2	
3/4	2,365.55	3/4	2,006.21	3/4	1,646.87	3/4	1,287.53	3/4	928.49	3/4	569.31	3/4	209.97	3/4		3/4		3/4	
9	2,358.07	9	1,998.72	9	1,639.38	9	1,280.04	9	921.01	9	561.82	9	202.49	9		9		9	
1/4	2,350.58	1/4	1,991.24	1/4	1,631.89	1/4	1,272.55	1/4	913.54	1/4	554.33	1/4	195.00	1/4		1/4		1/4	
1/2	2,343.09	1/2	1,983.75	1/2	1,624.41	1/2	1,265.07	1/2	906.07	1/2	546.85	1/2	187.51	1/2		1/2		1/2	
3/4	2,335.61	3/4	1,976.26	3/4	1,616.92	3/4	1,257.58	3/4	898.59	3/4	539.36	3/4	180.03	3/4		3/4		3/4	
10	2,328.12	10	1,968.78	10	1,609.44	10	1,250.09	10	891.12	10	531.88	10	172.54	10		10		10	
1/4	2,320.63	1/4	1,961.29	1/4	1,601.95	1/4	1,242.61	1/4	883.65	1/4	524.39	1/4	165.06	1/4		1/4		1/4	
1/2	2,313.15	1/2	1,953.81	1/2	1,594.46	1/2	1,235.12	1/2	876.17	1/2	516.90	1/2	157.57	1/2		1/2		1/2	
3/4	2,305.66	3/4	1,946.32	3/4	1,586.98	3/4	1,227.63	3/4	868.70	3/4	509.42	3/4	150.08	3/4		3/4		3/4	
11	2,298.18	11	1,938.83	11	1,579.49	11	1,220.15	11	861.23	11	501.93	11	142.60	11		11		11	
1/4	2,290.69	1/4	1,931.35	1/4	1,572.00	1/4	1,212.66	1/4	853.75	1/4	494.44	1/4	135.11	1/4		1/4		1/4	
1/2	2,283.20	1/2	1,923.86	1/2	1,564.52	1/2	1,205.18	1/2	846.27	1/2	486.96	1/2	127.63	1/2		1/2		1/2	
3/4	2,275.72	3/4	1,916.37	3/4	1,557.03	3/4	1,197.69	3/4	838.79	3/4	479.47	3/4	120.14	3/4		3/4		3/4	

STRAPPED: 02/20/2014 PMA
RECALCULATED: 04/30/2019 SW
VERIFIED: 05/08/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3120"

3 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03-3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,384.89	0	4,138.41	0	3,891.07	0	3,643.68	0	3,319.33	0	2,962.72
1/4		1/4		1/4		1/4		1/4	4,379.78	1/4	4,133.27	1/4	3,885.92	1/4	3,638.52	1/4	3,311.92	1/4	2,955.28
1/2		1/2		1/2		1/2		1/2	4,374.66	1/2	4,128.13	1/2	3,880.76	1/2	3,633.37	1/2	3,304.51	1/2	2,947.85
3/4		3/4		3/4		3/4		3/4	4,369.55	3/4	4,122.98	3/4	3,875.61	3/4	3,628.22	3/4	3,297.10	3/4	2,940.41
1		1		1		1		1	4,364.44	1	4,117.83	1	3,870.45	1	3,623.06	1	3,289.68	1	2,932.98
1/4		1/4		1/4		1/4		1/4	4,593.06	1/4	4,359.33	1/4	4,112.69	1/4	3,865.30	1/4	3,617.91	1/4	3,282.27
1/2		1/2		1/2		1/2		1/2	4,590.61	1/2	4,354.21	1/2	4,107.54	1/2	3,860.15	1/2	3,612.75	1/2	3,274.86
3/4		3/4		3/4		3/4		3/4	4,587.09	3/4	4,349.09	3/4	4,102.38	3/4	3,854.99	3/4	3,607.60	3/4	3,267.44
2		2		2		2		2	4,583.58	2	4,343.96	2	4,097.23	2	3,849.84	2	3,602.45	2	3,260.01
1/4		1/4		1/4		1/4		1/4	4,580.06	1/4	4,338.83	1/4	4,092.08	1/4	3,844.68	1/4	3,597.29	1/4	3,252.59
1/2		1/2		1/2		1/2		1/2	4,576.54	1/2	4,333.71	1/2	4,086.92	1/2	3,839.53	1/2	3,592.14	1/2	3,245.17
3/4		3/4		3/4		3/4		3/4	4,572.03	3/4	4,328.57	3/4	4,081.77	3/4	3,834.38	3/4	3,586.41	3/4	3,237.74
3		3		3		3		3	4,567.51	3	4,323.43	3	4,076.61	3	3,829.22	3	3,580.68	3	3,230.30
1/4		1/4		1/4		1/4		1/4	4,563.00	1/4	4,318.29	1/4	4,071.46	1/4	3,824.07	1/4	3,574.95	1/4	3,222.87
1/2		1/2		1/2		1/2		1/2	4,558.48	1/2	4,313.15	1/2	4,066.31	1/2	3,818.91	1/2	3,569.22	1/2	3,215.44
3/4		3/4		3/4		3/4		3/4	4,553.43	3/4	4,308.01	3/4	4,061.15	3/4	3,813.76	3/4	3,562.36	3/4	3,208.00
4		4		4		4		4	4,548.39	4	4,302.87	4	4,056.00	4	3,808.61	4	3,555.49	4	3,200.57
1/4		1/4		1/4		1/4		1/4	4,543.34	1/4	4,297.73	1/4	4,050.84	1/4	3,803.45	1/4	3,548.63	1/4	3,193.14
1/2		1/2		1/2		1/2		1/2	4,538.29	1/2	4,292.59	1/2	4,045.69	1/2	3,798.30	1/2	3,541.77	1/2	3,185.71
3/4		3/4		3/4		3/4		3/4	4,533.17	3/4	4,287.45	3/4	4,040.54	3/4	3,793.14	3/4	3,534.34	3/4	3,178.27
5		5		5		5		5	4,528.06	5	4,282.31	5	4,035.38	5	3,787.99	5	3,526.92	5	3,170.84
1/4		1/4		1/4		1/4		1/4	4,522.94	1/4	4,277.17	1/4	4,030.23	1/4	3,782.84	1/4	3,519.50	1/4	3,163.41
1/2		1/2		1/2		1/2		1/2	4,517.83	1/2	4,272.03	1/2	4,025.07	1/2	3,777.68	1/2	3,512.07	1/2	3,155.97
3/4		3/4		3/4		3/4		3/4	4,512.71	3/4	4,266.89	3/4	4,019.92	3/4	3,772.53	3/4	3,504.65	3/4	3,148.54
6		6		6		6		6	4,507.60	6	4,261.76	6	4,014.77	6	3,767.37	6	3,497.24	6	3,141.11
1/4		1/4		1/4		1/4		1/4	4,502.48	1/4	4,256.62	1/4	4,009.61	1/4	3,762.22	1/4	3,489.82	1/4	3,133.67
1/2		1/2		1/2		1/2		1/2	4,497.37	1/2	4,251.48	1/2	4,004.46	1/2	3,757.07	1/2	3,482.40	1/2	3,126.24
3/4		3/4		3/4		3/4		3/4	4,492.26	3/4	4,246.34	3/4	3,999.30	3/4	3,751.91	3/4	3,474.99	3/4	3,118.81
7		7		7		7		7	4,487.14	7	4,241.20	7	3,994.15	7	3,746.76	7	3,467.58	7	3,111.38
1/4		1/4		1/4		1/4		1/4	4,482.03	1/4	4,236.06	1/4	3,989.00	1/4	3,741.60	1/4	3,460.16	1/4	3,103.94
1/2		1/2		1/2		1/2		1/2	4,476.91	1/2	4,230.92	1/2	3,983.84	1/2	3,736.45	1/2	3,452.75	1/2	3,096.51
3/4		3/4		3/4		3/4		3/4	4,471.80	3/4	4,225.78	3/4	3,978.69	3/4	3,731.30	3/4	3,445.34	3/4	3,089.08
8		8		8		8		8	4,466.68	8	4,220.64	8	3,973.53	8	3,726.14	8	3,437.93	8	3,081.64
1/4		1/4		1/4		1/4		1/4	4,461.57	1/4	4,215.50	1/4	3,968.38	1/4	3,720.99	1/4	3,430.52	1/4	3,074.21
1/2		1/2		1/2		1/2		1/2	4,456.46	1/2	4,210.36	1/2	3,963.23	1/2	3,715.83	1/2	3,423.10	1/2	3,066.78
3/4		3/4		3/4		3/4		3/4	4,451.35	3/4	4,205.22	3/4	3,958.07	3/4	3,710.68	3/4	3,415.69	3/4	3,059.35
9		9		9		9		9	4,446.23	9	4,200.08	9	3,952.92	9	3,705.53	9	3,408.28	9	3,051.91
1/4		1/4		1/4		1/4		1/4	4,441.12	1/4	4,194.94	1/4	3,947.76	1/4	3,700.37	1/4	3,400.87	1/4	3,044.48
1/2		1/2		1/2		1/2		1/2	4,436.01	1/2	4,189.80	1/2	3,942.61	1/2	3,695.22	1/2	3,393.45	1/2	3,037.05
3/4		3/4		3/4		3/4		3/4	4,430.90	3/4	4,184.66	3/4	3,937.46	3/4	3,690.06	3/4	3,386.04	3/4	3,029.61
10		10		10		10		10	4,425.78	10	4,179.52	10	3,932.30	10	3,684.91	10	3,378.63	10	3,022.18
1/4		1/4		1/4		1/4		1/4	4,420.67	1/4	4,174.38	1/4	3,927.15	1/4	3,679.76	1/4	3,371.22	1/4	3,014.75
1/2		1/2		1/2		1/2		1/2	4,415.56	1/2	4,169.24	1/2	3,921.99	1/2	3,674.60	1/2	3,363.81	1/2	3,007.32
3/4		3/4		3/4		3/4		3/4	4,410.45	3/4	4,164.10	3/4	3,916.84	3/4	3,669.45	3/4	3,356.39	3/4	2,999.88
11		11		11		11		11	4,405.34	11	4,158.97	11	3,911.69	11	3,664.29	11	3,348.98	11	2,992.45
1/4		1/4		1/4		1/4		1/4	4,400.22	1/4	4,153.83	1/4	3,906.53	1/4	3,659.14	1/4	3,341.57	1/4	2,985.02
1/2		1/2		1/2		1/2		1/2	4,395.11	1/2	4,148.69	1/2	3,901.38	1/2	3,653.99	1/2	3,334.16	1/2	2,977.58
3/4		3/4		3/4		3/4		3/4	4,390.00	3/4	4,143.55	3/4	3,896.22	3/4	3,648.83	3/4	3,326.74	3/4	2,970.15

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'-09" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "HTCO 3120"

3 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03-3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,605.80	0	2,249.81	0	1,895.48	0	1,538.28	0	1,181.23	0	834.35	0	477.12	0	119.68	0		0	
1/4	2,598.36	1/4	2,242.41	1/4	1,888.06	1/4	1,530.83	1/4	1,173.89	1/4	827.02	1/4	469.67	1/4	112.23	1/4		1/4	
1/2	2,590.92	1/2	2,235.02	1/2	1,880.65	1/2	1,523.39	1/2	1,166.55	1/2	819.69	1/2	462.23	1/2	104.78	1/2		1/2	
3/4	2,583.48	3/4	2,227.64	3/4	1,873.21	3/4	1,515.95	3/4	1,159.32	3/4	812.24	3/4	454.78	3/4	97.32	3/4		3/4	
1	2,576.04	1	2,220.26	1	1,865.76	1	1,508.51	1	1,152.09	1	804.79	1	447.33	1	89.87	1		1	
1/4	2,568.59	1/4	2,212.88	1/4	1,858.32	1/4	1,501.06	1/4	1,144.86	1/4	797.34	1/4	439.89	1/4	82.41	1/4		1/4	
1/2	2,561.15	1/2	2,205.50	1/2	1,850.88	1/2	1,493.62	1/2	1,137.62	1/2	789.90	1/2	432.44	1/2	74.95	1/2		1/2	
3/4	2,553.71	3/4	2,198.12	3/4	1,843.44	3/4	1,486.18	3/4	1,130.40	3/4	782.45	3/4	425.00	3/4	67.96	3/4		3/4	
2	2,546.27	2	2,190.74	2	1,835.99	2	1,478.73	2	1,123.17	2	775.00	2	417.55	2	60.97	2		2	
1/4	2,538.82	1/4	2,183.36	1/4	1,828.55	1/4	1,471.29	1/4	1,115.94	1/4	767.56	1/4	410.11	1/4	53.98	1/4		1/4	
1/2	2,531.38	1/2	2,175.98	1/2	1,821.11	1/2	1,463.85	1/2	1,108.72	1/2	760.11	1/2	402.66	1/2	46.98	1/2		1/2	
3/4	2,523.94	3/4	2,168.60	3/4	1,813.66	3/4	1,456.41	3/4	1,101.50	3/4	752.66	3/4	395.21	3/4	41.39	3/4		3/4	
3	2,516.49	3	2,161.22	3	1,806.22	3	1,448.96	3	1,094.28	3	745.21	3	387.77	3	35.80	3		3	
1/4	2,509.05	1/4	2,153.84	1/4	1,798.78	1/4	1,441.52	1/4	1,087.06	1/4	737.77	1/4	380.32	1/4	30.20	1/4		1/4	
1/2	2,501.61	1/2	2,146.46	1/2	1,791.34	1/2	1,434.08	1/2	1,079.84	1/2	730.32	1/2	372.88	1/2	24.61	1/2		1/2	
3/4	2,494.19	3/4	2,139.08	3/4	1,783.89	3/4	1,426.63	3/4	1,072.62	3/4	722.87	3/4	365.43	3/4	20.88	3/4		3/4	
4	2,486.76	4	2,131.70	4	1,776.45	4	1,419.19	4	1,065.40	4	715.43	4	357.99	4		4		4	
1/4	2,479.34	1/4	2,124.32	1/4	1,769.01	1/4	1,411.75	1/4	1,058.19	1/4	707.98	1/4	350.54	1/4		1/4		1/4	
1/2	2,471.91	1/2	2,116.94	1/2	1,761.56	1/2	1,404.30	1/2	1,050.97	1/2	700.53	1/2	343.09	1/2		1/2		1/2	
3/4	2,464.51	3/4	2,109.56	3/4	1,754.12	3/4	1,396.86	3/4	1,043.76	3/4	693.08	3/4	335.65	3/4		3/4		3/4	
5	2,457.11	5	2,102.18	5	1,746.68	5	1,389.42	5	1,036.54	5	685.64	5	328.20	5		5		5	
1/4	2,449.70	1/4	2,094.80	1/4	1,739.24	1/4	1,381.98	1/4	1,029.33	1/4	678.19	1/4	320.76	1/4		1/4		1/4	
1/2	2,442.30	1/2	2,087.42	1/2	1,731.79	1/2	1,374.53	1/2	1,022.12	1/2	670.74	1/2	313.31	1/2		1/2		1/2	
3/4	2,434.89	3/4	2,080.04	3/4	1,724.35	3/4	1,367.09	3/4	1,014.90	3/4	663.30	3/4	305.86	3/4		3/4		3/4	
6	2,427.49	6	2,072.66	6	1,716.91	6	1,359.65	6	1,007.69	6	655.85	6	298.42	6		6		6	
1/4	2,420.08	1/4	2,065.28	1/4	1,709.46	1/4	1,352.20	1/4	1,000.48	1/4	648.40	1/4	290.97	1/4		1/4		1/4	
1/2	2,412.68	1/2	2,057.90	1/2	1,702.02	1/2	1,344.76	1/2	993.26	1/2	640.95	1/2	283.53	1/2		1/2		1/2	
3/4	2,405.27	3/4	2,050.52	3/4	1,694.58	3/4	1,337.32	3/4	986.05	3/4	633.51	3/4	276.08	3/4		3/4		3/4	
7	2,397.87	7	2,043.14	7	1,687.14	7	1,329.88	7	978.84	7	626.06	7	268.64	7		7		7	
1/4	2,390.47	1/4	2,035.76	1/4	1,679.69	1/4	1,322.43	1/4	971.63	1/4	618.61	1/4	261.19	1/4		1/4		1/4	
1/2	2,383.06	1/2	2,028.38	1/2	1,672.25	1/2	1,314.99	1/2	964.41	1/2	611.17	1/2	253.74	1/2		1/2		1/2	
3/4	2,375.66	3/4	2,021.00	3/4	1,664.81	3/4	1,307.55	3/4	957.20	3/4	603.72	3/4	246.30	3/4		3/4		3/4	
8	2,368.25	8	2,013.62	8	1,657.36	8	1,300.10	8	949.99	8	596.27	8	238.85	8		8		8	
1/4	2,360.85	1/4	2,006.24	1/4	1,649.92	1/4	1,292.66	1/4	942.77	1/4	588.83	1/4	231.40	1/4		1/4		1/4	
1/2	2,353.44	1/2	1,998.86	1/2	1,642.48	1/2	1,285.22	1/2	935.56	1/2	581.38	1/2	223.96	1/2		1/2		1/2	
3/4	2,346.04	3/4	1,991.48	3/4	1,635.03	3/4	1,277.78	3/4	928.35	3/4	573.93	3/4	216.51	3/4		3/4		3/4	
9	2,338.63	9	1,984.10	9	1,627.59	9	1,270.33	9	921.14	9	566.48	9	209.06	9		9		9	
1/4	2,331.23	1/4	1,976.72	1/4	1,620.15	1/4	1,262.89	1/4	913.92	1/4	559.04	1/4	201.62	1/4		1/4		1/4	
1/2	2,323.83	1/2	1,969.34	1/2	1,612.71	1/2	1,255.45	1/2	906.71	1/2	551.59	1/2	194.17	1/2		1/2		1/2	
3/4	2,316.42	3/4	1,961.96	3/4	1,605.26	3/4	1,248.00	3/4	899.50	3/4	544.14	3/4	186.72	3/4		3/4		3/4	
10	2,309.02	10	1,954.58	10	1,597.82	10	1,240.56	10	892.28	10	536.70	10	179.27	10		10		10	
1/4	2,301.61	1/4	1,947.20	1/4	1,590.38	1/4	1,233.12	1/4	885.07	1/4	529.25	1/4	171.83	1/4		1/4		1/4	
1/2	2,294.21	1/2	1,939.82	1/2	1,582.93	1/2	1,225.68	1/2	877.86	1/2	521.80	1/2	164.38	1/2		1/2		1/2	
3/4	2,286.80	3/4	1,932.44	3/4	1,575.49	3/4	1,218.23	3/4	870.65	3/4	514.35	3/4	156.93	3/4		3/4		3/4	
11	2,279.40	11	1,925.06	11	1,568.05	11	1,210.79	11	863.43	11	506.91	11	149.48	11		11		11	
1/4	2,272.00	1/4	1,917.68	1/4	1,560.61	1/4	1,203.35	1/4	856.22	1/4	499.46	1/4	142.03	1/4		1/4		1/4	
1/2	2,264.59	1/2	1,910.30	1/2	1,553.16	1/2	1,195.90	1/2	849.01	1/2	492.01	1/2	134.59	1/2		1/2		1/2	
3/4	2,257.20	3/4	1,902.89	3/4	1,545.72	3/4	1,188.57	3/4	841.68	3/4	484.57	3/4	127.13	3/4		3/4		3/4	

STRAPPED: 02/20/2014 PMA
RECALCULATED: 04/30/2019 SW
VERIFIED: 05/08/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3120"

3 STBD ULLAGE TABLE HERMETIC GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,389.23	0	4,142.71	0	3,895.39	0	3,648.05	0	3,316.60	0	2,959.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,384.12	1/4	4,137.57	1/4	3,890.24	1/4	3,642.90	1/4	3,309.18	1/4	2,951.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,612.70	1/2	4,379.01	1/2	4,132.42	1/2	3,885.09	1/2	3,637.75	1/2	3,304.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,610.25	3/4	4,373.90	3/4	4,127.27	3/4	3,879.94	3/4	3,632.60	3/4	3,294.33
1	1	1	1	1	1	1	1	1	4,606.73	1	4,368.77	1	4,122.12	1	3,874.78	1	3,627.44	1	3,286.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,603.22	1/4	4,363.65	1/4	4,116.97	1/4	3,869.63	1/4	3,622.29	1/4	3,279.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,599.70	1/2	4,358.52	1/2	4,111.82	1/2	3,864.48	1/2	3,617.14	1/2	3,272.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,596.18	3/4	4,353.40	3/4	4,106.66	3/4	3,859.32	3/4	3,611.98	3/4	3,264.59
2	2	2	2	2	2	2	2	2	4,591.67	2	4,348.26	2	4,101.51	2	3,854.17	2	3,606.26	2	3,257.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,587.15	1/4	4,343.12	1/4	4,096.36	1/4	3,849.02	1/4	3,600.53	1/4	3,249.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,582.64	1/2	4,337.98	1/2	4,091.20	1/2	3,843.87	1/2	3,594.80	1/2	3,242.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,578.12	3/4	4,332.85	3/4	4,086.05	3/4	3,838.71	3/4	3,589.08	3/4	3,234.80
3	3	3	3	3	3	3	3	3	4,573.08	3	4,327.71	3	4,080.90	3	3,833.56	3	3,582.21	3	3,227.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,568.03	1/4	4,322.57	1/4	4,075.75	1/4	3,828.41	1/4	3,575.35	1/4	3,219.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,562.98	1/2	4,317.43	1/2	4,070.59	1/2	3,823.25	1/2	3,568.49	1/2	3,212.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,557.93	3/4	4,312.29	3/4	4,065.44	3/4	3,818.10	3/4	3,561.62	3/4	3,205.02
4	4	4	4	4	4	4	4	4	4,552.82	4	4,307.15	4	4,060.29	4	3,812.95	4	3,554.20	4	3,197.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,547.71	1/4	4,302.02	1/4	4,055.13	1/4	3,807.79	1/4	3,546.77	1/4	3,190.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,542.59	1/2	4,296.88	1/2	4,049.98	1/2	3,802.64	1/2	3,539.35	1/2	3,182.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,537.48	3/4	4,291.74	3/4	4,044.83	3/4	3,797.49	3/4	3,531.92	3/4	3,175.24
5	5	5	5	5	5	5	5	5	4,532.37	5	4,286.60	5	4,039.68	5	3,792.34	5	3,524.50	5	3,167.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,527.25	1/4	4,281.46	1/4	4,034.52	1/4	3,787.18	1/4	3,517.08	1/4	3,160.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,522.14	1/2	4,276.32	1/2	4,029.37	1/2	3,782.03	1/2	3,509.65	1/2	3,152.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,517.02	3/4	4,271.18	3/4	4,024.22	3/4	3,776.88	3/4	3,502.23	3/4	3,145.46
6	6	6	6	6	6	6	6	6	4,511.91	6	4,266.05	6	4,019.06	6	3,771.72	6	3,494.80	6	3,138.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,506.80	1/4	4,260.91	1/4	4,013.91	1/4	3,766.57	1/4	3,487.38	1/4	3,130.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,501.68	1/2	4,255.77	1/2	4,008.76	1/2	3,761.42	1/2	3,479.95	1/2	3,123.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,496.57	3/4	4,250.63	3/4	4,003.60	3/4	3,756.27	3/4	3,472.53	3/4	3,115.67
7	7	7	7	7	7	7	7	7	4,491.46	7	4,245.49	7	3,998.45	7	3,751.11	7	3,465.10	7	3,108.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,486.34	1/4	4,240.35	1/4	3,993.30	1/4	3,745.96	1/4	3,457.68	1/4	3,100.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,481.23	1/2	4,235.21	1/2	3,988.15	1/2	3,740.81	1/2	3,450.25	1/2	3,093.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,476.12	3/4	4,230.08	3/4	3,982.99	3/4	3,735.65	3/4	3,442.83	3/4	3,085.89
8	8	8	8	8	8	8	8	8	4,471.01	8	4,224.94	8	3,977.84	8	3,730.50	8	3,435.40	8	3,078.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,465.90	1/4	4,219.80	1/4	3,972.69	1/4	3,725.35	1/4	3,427.98	1/4	3,071.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,460.79	1/2	4,214.66	1/2	3,967.53	1/2	3,720.20	1/2	3,420.55	1/2	3,063.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,455.67	3/4	4,209.52	3/4	3,962.38	3/4	3,715.04	3/4	3,413.13	3/4	3,056.11
9	9	9	9	9	9	9	9	9	4,450.56	9	4,204.38	9	3,957.23	9	3,709.89	9	3,405.70	9	3,048.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,445.45	1/4	4,199.25	1/4	3,952.08	1/4	3,704.74	1/4	3,398.28	1/4	3,041.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,440.34	1/2	4,194.11	1/2	3,946.92	1/2	3,699.58	1/2	3,390.85	1/2	3,033.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,435.23	3/4	4,188.97	3/4	3,941.77	3/4	3,694.43	3/4	3,383.43	3/4	3,026.33
10	10	10	10	10	10	10	10	10	4,430.12	10	4,183.83	10	3,936.62	10	3,689.28	10	3,376.00	10	3,018.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,425.01	1/4	4,178.69	1/4	3,931.46	1/4	3,684.13	1/4	3,368.58	1/4	3,011.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,419.90	1/2	4,173.55	1/2	3,926.31	1/2	3,678.97	1/2	3,361.15	1/2	3,003.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,414.79	3/4	4,168.41	3/4	3,921.16	3/4	3,673.82	3/4	3,353.73	3/4	2,996.55
11	11	11	11	11	11	11	11	11	4,409.68	11	4,163.28	11	3,916.01	11	3,668.67	11	3,346.30	11	2,989.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,404.56	1/4	4,158.14	1/4	3,910.85	1/4	3,663.51	1/4	3,338.88	1/4	2,981.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,399.45	1/2	4,153.00	1/2	3,905.70	1/2	3,658.36	1/2	3,331.45	1/2	2,974.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,394.34	3/4	4,147.86	3/4	3,900.55	3/4	3,653.21	3/4	3,324.03	3/4	2,966.76

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'-09" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "HTCO 3120"

3 STBD

ULLAGE TABLE
HERMETIC

GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,601.77	0	2,243.90	0	1,886.04	0	1,528.17	0	1,170.31	0	813.00	0	455.14	0	97.29	0		0	
1/4	2,594.31	1/4	2,236.45	1/4	1,878.58	1/4	1,520.72	1/4	1,162.85	1/4	805.54	1/4	447.69	1/4	89.83	1/4		1/4	
1/2	2,586.85	1/2	2,228.99	1/2	1,871.13	1/2	1,513.26	1/2	1,155.40	1/2	798.09	1/2	440.23	1/2	82.38	1/2		1/2	
3/4	2,579.40	3/4	2,221.53	3/4	1,863.67	3/4	1,505.81	3/4	1,147.94	3/4	790.63	3/4	432.78	3/4	74.92	3/4		3/4	
1	2,571.94	1	2,214.08	1	1,856.22	1	1,498.35	1	1,140.49	1	783.18	1	425.32	1	67.93	1		1	
1/4	2,564.49	1/4	2,206.62	1/4	1,848.76	1/4	1,490.90	1/4	1,133.04	1/4	775.72	1/4	417.87	1/4	60.94	1/4		1/4	
1/2	2,557.03	1/2	2,199.17	1/2	1,841.30	1/2	1,483.44	1/2	1,125.59	1/2	768.27	1/2	410.41	1/2	53.95	1/2		1/2	
3/4	2,549.58	3/4	2,191.71	3/4	1,833.85	3/4	1,475.98	3/4	1,118.14	3/4	760.81	3/4	402.96	3/4	46.97	3/4		3/4	
2	2,542.12	2	2,184.26	2	1,826.39	2	1,468.53	2	1,110.69	2	753.36	2	395.50	2	41.37	2		2	
1/4	2,534.67	1/4	2,176.80	1/4	1,818.94	1/4	1,461.07	1/4	1,103.24	1/4	745.90	1/4	388.05	1/4	35.78	1/4		1/4	
1/2	2,527.21	1/2	2,169.35	1/2	1,811.48	1/2	1,453.62	1/2	1,095.79	1/2	738.44	1/2	380.59	1/2	30.19	1/2		1/2	
3/4	2,519.75	3/4	2,161.89	3/4	1,804.03	3/4	1,446.16	3/4	1,088.35	3/4	730.99	3/4	373.13	3/4	24.60	3/4		3/4	
3	2,512.30	3	2,154.44	3	1,796.57	3	1,438.71	3	1,080.90	3	723.53	3	365.68	3	20.87	3		3	
1/4	2,504.84	1/4	2,146.98	1/4	1,789.12	1/4	1,431.25	1/4	1,073.46	1/4	716.08	1/4	358.22	1/4		1/4		1/4	
1/2	2,497.39	1/2	2,139.52	1/2	1,781.66	1/2	1,423.80	1/2	1,066.02	1/2	708.62	1/2	350.77	1/2		1/2		1/2	
3/4	2,489.93	3/4	2,132.07	3/4	1,774.20	3/4	1,416.34	3/4	1,058.57	3/4	701.17	3/4	343.31	3/4		3/4		3/4	
4	2,482.48	4	2,124.61	4	1,766.75	4	1,408.89	4	1,051.13	4	693.71	4	335.86	4		4		4	
1/4	2,475.02	1/4	2,117.16	1/4	1,759.29	1/4	1,401.43	1/4	1,043.69	1/4	686.26	1/4	328.40	1/4		1/4		1/4	
1/2	2,467.57	1/2	2,109.70	1/2	1,751.84	1/2	1,393.97	1/2	1,036.25	1/2	678.80	1/2	320.95	1/2		1/2		1/2	
3/4	2,460.11	3/4	2,102.25	3/4	1,744.38	3/4	1,386.52	3/4	1,028.81	3/4	671.35	3/4	313.49	3/4		3/4		3/4	
5	2,452.66	5	2,094.79	5	1,736.93	5	1,379.06	5	1,021.37	5	663.89	5	306.04	5		5		5	
1/4	2,445.20	1/4	2,087.34	1/4	1,729.47	1/4	1,371.61	1/4	1,013.93	1/4	656.44	1/4	298.58	1/4		1/4		1/4	
1/2	2,437.74	1/2	2,079.88	1/2	1,722.02	1/2	1,364.15	1/2	1,006.49	1/2	648.98	1/2	291.13	1/2		1/2		1/2	
3/4	2,430.29	3/4	2,072.42	3/4	1,714.56	3/4	1,356.70	3/4	999.05	3/4	641.53	3/4	283.67	3/4		3/4		3/4	
6	2,422.83	6	2,064.97	6	1,707.11	6	1,349.24	6	991.61	6	634.07	6	276.22	6		6		6	
1/4	2,415.38	1/4	2,057.51	1/4	1,699.65	1/4	1,341.79	1/4	984.17	1/4	626.62	1/4	268.76	1/4		1/4		1/4	
1/2	2,407.92	1/2	2,050.06	1/2	1,692.19	1/2	1,334.33	1/2	976.73	1/2	619.16	1/2	261.31	1/2		1/2		1/2	
3/4	2,400.47	3/4	2,042.60	3/4	1,684.74	3/4	1,326.87	3/4	969.29	3/4	611.70	3/4	253.85	3/4		3/4		3/4	
7	2,393.01	7	2,035.15	7	1,677.28	7	1,319.42	7	961.85	7	604.25	7	246.39	7		7		7	
1/4	2,385.56	1/4	2,027.69	1/4	1,669.83	1/4	1,311.96	1/4	954.41	1/4	596.79	1/4	238.94	1/4		1/4		1/4	
1/2	2,378.10	1/2	2,020.24	1/2	1,662.37	1/2	1,304.51	1/2	946.97	1/2	589.34	1/2	231.48	1/2		1/2		1/2	
3/4	2,370.64	3/4	2,012.78	3/4	1,654.92	3/4	1,297.05	3/4	939.53	3/4	581.88	3/4	224.03	3/4		3/4		3/4	
8	2,363.19	8	2,005.33	8	1,647.46	8	1,289.60	8	932.09	8	574.43	8	216.57	8		8		8	
1/4	2,355.73	1/4	1,997.87	1/4	1,640.01	1/4	1,282.14	1/4	924.65	1/4	566.97	1/4	209.12	1/4		1/4		1/4	
1/2	2,348.28	1/2	1,990.41	1/2	1,632.55	1/2	1,274.69	1/2	917.21	1/2	559.52	1/2	201.66	1/2		1/2		1/2	
3/4	2,340.82	3/4	1,982.96	3/4	1,625.09	3/4	1,267.23	3/4	909.77	3/4	552.06	3/4	194.21	3/4		3/4		3/4	
9	2,333.37	9	1,975.50	9	1,617.64	9	1,259.78	9	902.33	9	544.61	9	186.75	9		9		9	
1/4	2,325.91	1/4	1,968.05	1/4	1,610.18	1/4	1,252.32	1/4	894.89	1/4	537.15	1/4	179.30	1/4		1/4		1/4	
1/2	2,318.46	1/2	1,960.59	1/2	1,602.73	1/2	1,244.86	1/2	887.45	1/2	529.70	1/2	171.84	1/2		1/2		1/2	
3/4	2,311.00	3/4	1,953.14	3/4	1,595.27	3/4	1,237.41	3/4	880.00	3/4	522.24	3/4	164.39	3/4		3/4		3/4	
10	2,303.55	10	1,945.68	10	1,587.82	10	1,229.95	10	872.56	10	514.79	10	156.93	10		10		10	
1/4	2,296.09	1/4	1,938.23	1/4	1,580.36	1/4	1,222.50	1/4	865.12	1/4	507.33	1/4	149.48	1/4		1/4		1/4	
1/2	2,288.63	1/2	1,930.77	1/2	1,572.91	1/2	1,215.04	1/2	857.68	1/2	499.87	1/2	142.02	1/2		1/2		1/2	
3/4	2,281.18	3/4	1,923.31	3/4	1,565.45	3/4	1,207.59	3/4	850.24	3/4	492.42	3/4	134.57	3/4		3/4		3/4	
11	2,273.72	11	1,915.86	11	1,558.00	11	1,200.13	11	842.80	11	484.96	11	127.11	11		11		11	
1/4	2,266.27	1/4	1,908.40	1/4	1,550.54	1/4	1,192.68	1/4	835.35	1/4	477.51	1/4	119.65	1/4		1/4		1/4	
1/2	2,258.81	1/2	1,900.95	1/2	1,543.08	1/2	1,185.22	1/2	827.90	1/2	470.05	1/2	112.20	1/2		1/2		1/2	
3/4	2,251.36	3/4	1,893.49	3/4	1,535.63	3/4	1,177.76	3/4	820.45	3/4	462.60	3/4	104.74	3/4		3/4		3/4	

STRAPPED: 02/20/2014 PMA
RECALCULATED: 04/30/2019 SW
VERIFIED: 05/08/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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