



BARGE "HTCO 3070"

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	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
1 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
2 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
3 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
3 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
4 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8
4 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8

(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 - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

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

<http://www.pmacorp.net>



BARGE "HTCO 3070"

1 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-08 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	2,990.65	0	2,736.73	0	2,482.81	0	2,228.89	0	1,975.03	0	1,721.05
1/4		1/4		1/4		1/4		1/4	2,985.36	1/4	2,731.44	1/4	2,477.52	1/4	2,223.60	1/4	1,969.71	1/4	1,715.76
1/2		1/2		1/2		1/2	3,204.83	1/2	2,980.07	1/2	2,726.15	1/2	2,472.23	1/2	2,218.31	1/2	1,964.39	1/2	1,710.47
3/4		3/4		3/4		3/4	3,202.75	3/4	2,974.78	3/4	2,720.86	3/4	2,466.94	3/4	2,213.02	3/4	1,959.10	3/4	1,705.18
1		1		1		1	3,200.67	1	2,969.49	1	2,715.57	1	2,461.65	1	2,207.73	1	1,953.81	1	1,699.89
1/4		1/4		1/4		1/4	3,198.59	1/4	2,964.20	1/4	2,710.28	1/4	2,456.36	1/4	2,202.44	1/4	1,948.52	1/4	1,694.60
1/2		1/2		1/2		1/2	3,196.51	1/2	2,958.91	1/2	2,704.99	1/2	2,451.07	1/2	2,197.15	1/2	1,943.23	1/2	1,689.31
3/4		3/4		3/4		3/4	3,193.51	3/4	2,953.62	3/4	2,699.70	3/4	2,445.78	3/4	2,191.86	3/4	1,937.94	3/4	1,684.02
2		2		2		2	3,190.50	2	2,948.33	2	2,694.41	2	2,440.49	2	2,186.57	2	1,932.65	2	1,678.73
1/4		1/4		1/4		1/4	3,187.50	1/4	2,943.04	1/4	2,689.12	1/4	2,435.20	1/4	2,181.28	1/4	1,927.36	1/4	1,673.44
1/2		1/2		1/2		1/2	3,184.49	1/2	2,937.75	1/2	2,683.83	1/2	2,429.91	1/2	2,175.99	1/2	1,922.07	1/2	1,668.15
3/4		3/4		3/4		3/4	3,180.56	3/4	2,932.46	3/4	2,678.54	3/4	2,424.62	3/4	2,170.70	3/4	1,916.78	3/4	1,662.86
3		3		3		3	3,176.63	3	2,927.17	3	2,673.25	3	2,419.33	3	2,165.41	3	1,911.49	3	1,657.57
1/4		1/4		1/4		1/4	3,172.70	1/4	2,921.88	1/4	2,667.96	1/4	2,414.04	1/4	2,160.12	1/4	1,906.20	1/4	1,652.28
1/2		1/2		1/2		1/2	3,168.77	1/2	2,916.59	1/2	2,662.67	1/2	2,408.75	1/2	2,154.83	1/2	1,900.91	1/2	1,646.99
3/4		3/4		3/4		3/4	3,163.92	3/4	2,911.30	3/4	2,657.38	3/4	2,403.49	3/4	2,149.54	3/4	1,895.62	3/4	1,641.70
4		4		4		4	3,159.06	4	2,906.01	4	2,652.09	4	2,398.22	4	2,144.25	4	1,890.33	4	1,636.41
1/4		1/4		1/4		1/4	3,154.21	1/4	2,900.72	1/4	2,646.80	1/4	2,392.96	1/4	2,138.96	1/4	1,885.04	1/4	1,631.12
1/2		1/2		1/2		1/2	3,149.35	1/2	2,895.43	1/2	2,641.51	1/2	2,387.69	1/2	2,133.67	1/2	1,879.75	1/2	1,625.83
3/4		3/4		3/4		3/4	3,144.06	3/4	2,890.14	3/4	2,636.22	3/4	2,382.38	3/4	2,128.38	3/4	1,874.46	3/4	1,620.54
5		5		5		5	3,138.77	5	2,884.85	5	2,630.93	5	2,377.06	5	2,123.09	5	1,869.17	5	1,615.25
1/4		1/4		1/4		1/4	3,133.48	1/4	2,879.56	1/4	2,625.64	1/4	2,371.75	1/4	2,117.80	1/4	1,863.88	1/4	1,609.96
1/2		1/2		1/2		1/2	3,128.19	1/2	2,874.27	1/2	2,620.35	1/2	2,366.43	1/2	2,112.51	1/2	1,858.59	1/2	1,604.67
3/4		3/4		3/4		3/4	3,122.90	3/4	2,868.98	3/4	2,615.06	3/4	2,361.14	3/4	2,107.22	3/4	1,853.30	3/4	1,599.38
6		6		6		6	3,117.61	6	2,863.69	6	2,609.77	6	2,355.85	6	2,101.93	6	1,848.01	6	1,594.09
1/4		1/4		1/4		1/4	3,112.32	1/4	2,858.40	1/4	2,604.48	1/4	2,350.56	1/4	2,096.64	1/4	1,842.72	1/4	1,588.80
1/2		1/2		1/2		1/2	3,107.03	1/2	2,853.11	1/2	2,599.19	1/2	2,345.27	1/2	2,091.35	1/2	1,837.43	1/2	1,583.51
3/4		3/4		3/4		3/4	3,101.74	3/4	2,847.82	3/4	2,593.90	3/4	2,339.98	3/4	2,086.06	3/4	1,832.14	3/4	1,578.22
7		7		7		7	3,096.45	7	2,842.53	7	2,588.61	7	2,334.69	7	2,080.77	7	1,826.85	7	1,572.93
1/4		1/4		1/4		1/4	3,091.16	1/4	2,837.24	1/4	2,583.32	1/4	2,329.40	1/4	2,075.48	1/4	1,821.56	1/4	1,567.64
1/2		1/2		1/2		1/2	3,085.87	1/2	2,831.95	1/2	2,578.03	1/2	2,324.11	1/2	2,070.19	1/2	1,816.27	1/2	1,562.35
3/4		3/4		3/4		3/4	3,080.58	3/4	2,826.66	3/4	2,572.74	3/4	2,318.82	3/4	2,064.90	3/4	1,810.98	3/4	1,557.06
8		8		8		8	3,075.29	8	2,821.37	8	2,567.45	8	2,313.53	8	2,059.61	8	1,805.69	8	1,551.77
1/4		1/4		1/4		1/4	3,070.00	1/4	2,816.08	1/4	2,562.16	1/4	2,308.24	1/4	2,054.32	1/4	1,800.40	1/4	1,546.48
1/2		1/2		1/2		1/2	3,064.71	1/2	2,810.79	1/2	2,556.87	1/2	2,302.95	1/2	2,049.03	1/2	1,795.11	1/2	1,541.19
3/4		3/4		3/4		3/4	3,059.42	3/4	2,805.50	3/4	2,551.58	3/4	2,297.66	3/4	2,043.74	3/4	1,789.82	3/4	1,535.90
9		9		9		9	3,054.13	9	2,800.21	9	2,546.29	9	2,292.37	9	2,038.45	9	1,784.53	9	1,530.61
1/4		1/4		1/4		1/4	3,048.84	1/4	2,794.92	1/4	2,541.00	1/4	2,287.08	1/4	2,033.16	1/4	1,779.24	1/4	1,525.32
1/2		1/2		1/2		1/2	3,043.55	1/2	2,789.63	1/2	2,535.71	1/2	2,281.79	1/2	2,027.87	1/2	1,773.95	1/2	1,520.03
3/4		3/4		3/4		3/4	3,038.26	3/4	2,784.34	3/4	2,530.42	3/4	2,276.50	3/4	2,022.58	3/4	1,768.66	3/4	1,514.74
10		10		10		10	3,032.97	10	2,779.05	10	2,525.13	10	2,271.21	10	2,017.29	10	1,763.37	10	1,509.45
1/4		1/4		1/4		1/4	3,027.68	1/4	2,773.76	1/4	2,519.84	1/4	2,265.92	1/4	2,012.00	1/4	1,758.08	1/4	1,504.16
1/2		1/2		1/2		1/2	3,022.39	1/2	2,768.47	1/2	2,514.55	1/2	2,260.63	1/2	2,006.71	1/2	1,752.79	1/2	1,498.87
3/4		3/4		3/4		3/4	3,017.10	3/4	2,763.18	3/4	2,509.26	3/4	2,255.34	3/4	2,001.45	3/4	1,747.50	3/4	1,493.58
11		11		11		11	3,011.81	11	2,757.89	11	2,503.97	11	2,250.05	11	1,996.19	11	1,742.21	11	1,488.29
1/4		1/4		1/4		1/4	3,006.52	1/4	2,752.60	1/4	2,498.68	1/4	2,244.76	1/4	1,990.92	1/4	1,736.92	1/4	1,483.00
1/2		1/2		1/2		1/2	3,001.23	1/2	2,747.31	1/2	2,493.39	1/2	2,239.47	1/2	1,985.66	1/2	1,731.63	1/2	1,477.71
3/4		3/4		3/4		3/4	2,995.94	3/4	2,742.02	3/4	2,488.10	3/4	2,234.18	3/4	1,980.34	3/4	1,726.34	3/4	1,472.42

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" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 34'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "HTCO 3070"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	1,467.13	0	1,213.21	0	959.32	0	705.68	0	450.51	0	195.89	0		0		0		0	
1/4	1,461.84	1/4	1,207.92	1/4	954.03	1/4	700.37	1/4	445.20	1/4	190.76	1/4		1/4		1/4		1/4	
1/2	1,456.55	1/2	1,202.63	1/2	948.75	1/2	695.05	1/2	439.88	1/2	185.62	1/2		1/2		1/2		1/2	
3/4	1,451.26	3/4	1,197.34	3/4	943.47	3/4	689.73	3/4	434.57	3/4	180.49	3/4		3/4		3/4		3/4	
1	1,445.97	1	1,192.05	1	938.19	1	684.42	1	429.25	1	175.35	1		1		1		1	
1/4	1,440.68	1/4	1,186.76	1/4	932.91	1/4	679.10	1/4	423.94	1/4	170.22	1/4		1/4		1/4		1/4	
1/2	1,435.39	1/2	1,181.47	1/2	927.63	1/2	673.78	1/2	418.62	1/2	165.08	1/2		1/2		1/2		1/2	
3/4	1,430.10	3/4	1,176.18	3/4	922.35	3/4	668.49	3/4	413.30	3/4	159.97	3/4		3/4		3/4		3/4	
2	1,424.81	2	1,170.89	2	917.07	2	663.20	2	407.99	2	154.86	2		2		2		2	
1/4	1,419.52	1/4	1,165.60	1/4	911.78	1/4	657.91	1/4	402.67	1/4	149.75	1/4		1/4		1/4		1/4	
1/2	1,414.23	1/2	1,160.31	1/2	906.50	1/2	652.62	1/2	397.35	1/2	144.64	1/2		1/2		1/2		1/2	
3/4	1,408.94	3/4	1,155.02	3/4	901.22	3/4	647.28	3/4	392.04	3/4	139.48	3/4		3/4		3/4		3/4	
3	1,403.65	3	1,149.73	3	895.94	3	641.94	3	386.72	3	134.32	3		3		3		3	
1/4	1,398.36	1/4	1,144.44	1/4	890.65	1/4	636.60	1/4	381.41	1/4	129.16	1/4		1/4		1/4		1/4	
1/2	1,393.07	1/2	1,139.15	1/2	885.37	1/2	631.26	1/2	376.09	1/2	124.00	1/2		1/2		1/2		1/2	
3/4	1,387.78	3/4	1,133.86	3/4	880.09	3/4	625.94	3/4	370.77	3/4	118.87	3/4		3/4		3/4		3/4	
4	1,382.49	4	1,128.57	4	874.81	4	620.63	4	365.46	4	113.73	4		4		4		4	
1/4	1,377.20	1/4	1,123.28	1/4	869.52	1/4	615.31	1/4	360.14	1/4	108.60	1/4		1/4		1/4		1/4	
1/2	1,371.91	1/2	1,117.99	1/2	864.24	1/2	609.99	1/2	354.82	1/2	103.46	1/2		1/2		1/2		1/2	
3/4	1,366.62	3/4	1,112.70	3/4	858.96	3/4	604.68	3/4	349.51	3/4	98.28	3/4		3/4		3/4		3/4	
5	1,361.33	5	1,107.41	5	853.68	5	599.36	5	344.19	5	93.10	5		5		5		5	
1/4	1,356.04	1/4	1,102.12	1/4	848.39	1/4	594.05	1/4	338.88	1/4	87.92	1/4		1/4		1/4		1/4	
1/2	1,350.75	1/2	1,096.83	1/2	843.11	1/2	588.73	1/2	333.56	1/2	82.74	1/2		1/2		1/2		1/2	
3/4	1,345.46	3/4	1,091.54	3/4	837.83	3/4	583.41	3/4	328.25	3/4	77.42	3/4		3/4		3/4		3/4	
6	1,340.17	6	1,086.25	6	832.55	6	578.10	6	322.93	6	72.11	6		6		6		6	
1/4	1,334.88	1/4	1,080.96	1/4	827.27	1/4	572.78	1/4	317.62	1/4	66.79	1/4		1/4		1/4		1/4	
1/2	1,329.59	1/2	1,075.67	1/2	821.99	1/2	567.46	1/2	312.30	1/2	61.47	1/2		1/2		1/2		1/2	
3/4	1,324.30	3/4	1,070.38	3/4	816.71	3/4	562.15	3/4	306.98	3/4	56.16	3/4		3/4		3/4		3/4	
7	1,319.01	7	1,065.09	7	811.43	7	556.83	7	301.67	7	50.84	7		7		7		7	
1/4	1,313.72	1/4	1,059.80	1/4	806.14	1/4	551.52	1/4	296.35	1/4	45.53	1/4		1/4		1/4		1/4	
1/2	1,308.43	1/2	1,054.51	1/2	800.86	1/2	546.20	1/2	291.03	1/2	40.21	1/2		1/2		1/2		1/2	
3/4	1,303.14	3/4	1,049.22	3/4	795.58	3/4	540.89	3/4	285.72	3/4	35.74	3/4		3/4		3/4		3/4	
8	1,297.85	8	1,043.93	8	790.30	8	535.57	8	280.40	8	31.26	8		8		8		8	
1/4	1,292.56	1/4	1,038.64	1/4	785.01	1/4	530.26	1/4	275.09	1/4	26.79	1/4		1/4		1/4		1/4	
1/2	1,287.27	1/2	1,033.35	1/2	779.73	1/2	524.94	1/2	269.77	1/2	22.31	1/2		1/2		1/2		1/2	
3/4	1,281.98	3/4	1,028.06	3/4	774.45	3/4	519.62	3/4	264.45	3/4		3/4		3/4		3/4		3/4	
9	1,276.69	9	1,022.77	9	769.17	9	514.31	9	259.14	9		9		9		9		9	
1/4	1,271.40	1/4	1,017.48	1/4	763.88	1/4	508.99	1/4	253.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,266.11	1/2	1,012.19	1/2	758.60	1/2	503.67	1/2	248.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,260.82	3/4	1,006.90	3/4	753.32	3/4	498.36	3/4	243.19	3/4		3/4		3/4		3/4		3/4	
10	1,255.53	10	1,001.61	10	748.04	10	493.04	10	237.87	10		10		10		10		10	
1/4	1,250.24	1/4	996.32	1/4	742.75	1/4	487.73	1/4	232.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,244.95	1/2	991.03	1/2	737.47	1/2	482.41	1/2	227.24	1/2		1/2		1/2		1/2		1/2	
3/4	1,239.66	3/4	985.74	3/4	732.18	3/4	477.09	3/4	221.97	3/4		3/4		3/4		3/4		3/4	
11	1,234.37	11	980.46	11	726.89	11	471.78	11	216.70	11		11		11		11		11	
1/4	1,229.08	1/4	975.17	1/4	721.60	1/4	466.46	1/4	211.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,223.79	1/2	969.88	1/2	716.31	1/2	461.14	1/2	206.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,218.50	3/4	964.60	3/4	711.00	3/4	455.83	3/4	201.03	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED:03/19/2009 INSP.
RECALCULATED:06/20/2019
REPRINTED: 06/20/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2019

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



BARGE "HTCO 3070"

1 STBD ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-08 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	2,985.36	0	2,731.44	0	2,477.52	0	2,223.60	0	1,969.71	0	1,715.76
1/4		1/4		1/4		1/4	3,204.83	1/4	2,980.07	1/4	2,726.15	1/4	2,472.23	1/4	2,218.31	1/4	1,964.39	1/4	1,710.47
1/2		1/2		1/2		1/2	3,202.75	1/2	2,974.78	1/2	2,720.86	1/2	2,466.94	1/2	2,213.02	1/2	1,959.10	1/2	1,705.18
3/4		3/4		3/4		3/4	3,200.67	3/4	2,969.49	3/4	2,715.57	3/4	2,461.65	3/4	2,207.73	3/4	1,953.81	3/4	1,699.89
1		1		1		1	3,198.59	1	2,964.20	1	2,710.28	1	2,456.36	1	2,202.44	1	1,948.52	1	1,694.60
1/4		1/4		1/4		1/4	3,196.51	1/4	2,958.91	1/4	2,704.99	1/4	2,451.07	1/4	2,197.15	1/4	1,943.23	1/4	1,689.31
1/2		1/2		1/2		1/2	3,193.51	1/2	2,953.62	1/2	2,699.70	1/2	2,445.78	1/2	2,191.86	1/2	1,937.94	1/2	1,684.02
3/4		3/4		3/4		3/4	3,190.50	3/4	2,948.33	3/4	2,694.41	3/4	2,440.49	3/4	2,186.57	3/4	1,932.65	3/4	1,678.73
2		2		2		2	3,187.50	2	2,943.04	2	2,689.12	2	2,435.20	2	2,181.28	2	1,927.36	2	1,673.44
1/4		1/4		1/4		1/4	3,184.49	1/4	2,937.75	1/4	2,683.83	1/4	2,429.91	1/4	2,175.99	1/4	1,922.07	1/4	1,668.15
1/2		1/2		1/2		1/2	3,180.56	1/2	2,932.46	1/2	2,678.54	1/2	2,424.62	1/2	2,170.70	1/2	1,916.78	1/2	1,662.86
3/4		3/4		3/4		3/4	3,176.63	3/4	2,927.17	3/4	2,673.25	3/4	2,419.33	3/4	2,165.41	3/4	1,911.49	3/4	1,657.57
3		3		3		3	3,172.70	3	2,921.88	3	2,667.96	3	2,414.04	3	2,160.12	3	1,906.20	3	1,652.28
1/4		1/4		1/4		1/4	3,168.77	1/4	2,916.59	1/4	2,662.67	1/4	2,408.75	1/4	2,154.83	1/4	1,900.91	1/4	1,646.99
1/2		1/2		1/2		1/2	3,163.92	1/2	2,911.30	1/2	2,657.38	1/2	2,403.49	1/2	2,149.54	1/2	1,895.62	1/2	1,641.70
3/4		3/4		3/4		3/4	3,159.06	3/4	2,906.01	3/4	2,652.09	3/4	2,398.22	3/4	2,144.25	3/4	1,890.33	3/4	1,636.41
4		4		4		4	3,154.21	4	2,900.72	4	2,646.80	4	2,392.96	4	2,138.96	4	1,885.04	4	1,631.12
1/4		1/4		1/4		1/4	3,149.35	1/4	2,895.43	1/4	2,641.51	1/4	2,387.69	1/4	2,133.67	1/4	1,879.75	1/4	1,625.83
1/2		1/2		1/2		1/2	3,144.06	1/2	2,890.14	1/2	2,636.22	1/2	2,382.38	1/2	2,128.38	1/2	1,874.46	1/2	1,620.54
3/4		3/4		3/4		3/4	3,138.77	3/4	2,884.85	3/4	2,630.93	3/4	2,377.06	3/4	2,123.09	3/4	1,869.17	3/4	1,615.25
5		5		5		5	3,133.48	5	2,879.56	5	2,625.64	5	2,371.75	5	2,117.80	5	1,863.88	5	1,609.96
1/4		1/4		1/4		1/4	3,128.19	1/4	2,874.27	1/4	2,620.35	1/4	2,366.43	1/4	2,112.51	1/4	1,858.59	1/4	1,604.67
1/2		1/2		1/2		1/2	3,122.90	1/2	2,868.98	1/2	2,615.06	1/2	2,361.14	1/2	2,107.22	1/2	1,853.30	1/2	1,599.38
3/4		3/4		3/4		3/4	3,117.61	3/4	2,863.69	3/4	2,609.77	3/4	2,355.85	3/4	2,101.93	3/4	1,848.01	3/4	1,594.09
6		6		6		6	3,112.32	6	2,858.40	6	2,604.48	6	2,350.56	6	2,096.64	6	1,842.72	6	1,588.80
1/4		1/4		1/4		1/4	3,107.03	1/4	2,853.11	1/4	2,599.19	1/4	2,345.27	1/4	2,091.35	1/4	1,837.43	1/4	1,583.51
1/2		1/2		1/2		1/2	3,101.74	1/2	2,847.82	1/2	2,593.90	1/2	2,339.98	1/2	2,086.06	1/2	1,832.14	1/2	1,578.22
3/4		3/4		3/4		3/4	3,096.45	3/4	2,842.53	3/4	2,588.61	3/4	2,334.69	3/4	2,080.77	3/4	1,826.85	3/4	1,572.93
7		7		7		7	3,091.16	7	2,837.24	7	2,583.32	7	2,329.40	7	2,075.48	7	1,821.56	7	1,567.64
1/4		1/4		1/4		1/4	3,085.87	1/4	2,831.95	1/4	2,578.03	1/4	2,324.11	1/4	2,070.19	1/4	1,816.27	1/4	1,562.35
1/2		1/2		1/2		1/2	3,080.58	1/2	2,826.66	1/2	2,572.74	1/2	2,318.82	1/2	2,064.90	1/2	1,810.98	1/2	1,557.06
3/4		3/4		3/4		3/4	3,075.29	3/4	2,821.37	3/4	2,567.45	3/4	2,313.53	3/4	2,059.61	3/4	1,805.69	3/4	1,551.77
8		8		8		8	3,070.00	8	2,816.08	8	2,562.16	8	2,308.24	8	2,054.32	8	1,800.40	8	1,546.48
1/4		1/4		1/4		1/4	3,064.71	1/4	2,810.79	1/4	2,556.87	1/4	2,302.95	1/4	2,049.03	1/4	1,795.11	1/4	1,541.19
1/2		1/2		1/2		1/2	3,059.42	1/2	2,805.50	1/2	2,551.58	1/2	2,297.66	1/2	2,043.74	1/2	1,789.82	1/2	1,535.90
3/4		3/4		3/4		3/4	3,054.13	3/4	2,800.21	3/4	2,546.29	3/4	2,292.37	3/4	2,038.45	3/4	1,784.53	3/4	1,530.61
9		9		9		9	3,048.84	9	2,794.92	9	2,541.00	9	2,287.08	9	2,033.16	9	1,779.24	9	1,525.32
1/4		1/4		1/4		1/4	3,043.55	1/4	2,789.63	1/4	2,535.71	1/4	2,281.79	1/4	2,027.87	1/4	1,773.95	1/4	1,520.03
1/2		1/2		1/2		1/2	3,038.26	1/2	2,784.34	1/2	2,530.42	1/2	2,276.50	1/2	2,022.58	1/2	1,768.66	1/2	1,514.74
3/4		3/4		3/4		3/4	3,032.97	3/4	2,779.05	3/4	2,525.13	3/4	2,271.21	3/4	2,017.29	3/4	1,763.37	3/4	1,509.45
10		10		10		10	3,027.68	10	2,773.76	10	2,519.84	10	2,265.92	10	2,012.00	10	1,758.08	10	1,504.16
1/4		1/4		1/4		1/4	3,022.39	1/4	2,768.47	1/4	2,514.55	1/4	2,260.63	1/4	2,006.71	1/4	1,752.79	1/4	1,498.87
1/2		1/2		1/2		1/2	3,017.10	1/2	2,763.18	1/2	2,509.26	1/2	2,255.34	1/2	2,001.45	1/2	1,747.50	1/2	1,493.58
3/4		3/4		3/4		3/4	3,011.81	3/4	2,757.89	3/4	2,503.97	3/4	2,250.05	3/4	1,996.19	3/4	1,742.21	3/4	1,488.29
11		11		11		11	3,006.52	11	2,752.60	11	2,498.68	11	2,244.76	11	1,990.92	11	1,736.92	11	1,483.00
1/4		1/4		1/4		1/4	3,001.23	1/4	2,747.31	1/4	2,493.39	1/4	2,239.47	1/4	1,985.66	1/4	1,731.63	1/4	1,477.71
1/2		1/2		1/2		1/2	2,995.94	1/2	2,742.02	1/2	2,488.10	1/2	2,234.18	1/2	1,980.34	1/2	1,726.34	1/2	1,472.42
3/4		3/4		3/4		3/4	2,990.65	3/4	2,736.73	3/4	2,482.81	3/4	2,228.89	3/4	1,975.03	3/4	1,721.05	3/4	1,467.13

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 11'-00" OFF CENTERLINE AND 34'-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 3070"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,461.84	0	1,207.92	0	954.03	0	700.37	0	445.20	0	190.76	0		0		0		0	
1/4	1,456.55	1/4	1,202.63	1/4	948.75	1/4	695.05	1/4	439.88	1/4	185.62	1/4		1/4		1/4		1/4	
1/2	1,451.26	1/2	1,197.34	1/2	943.47	1/2	689.73	1/2	434.57	1/2	180.49	1/2		1/2		1/2		1/2	
3/4	1,445.97	3/4	1,192.05	3/4	938.19	3/4	684.42	3/4	429.25	3/4	175.35	3/4		3/4		3/4		3/4	
1	1,440.68	1	1,186.76	1	932.91	1	679.10	1	423.94	1	170.22	1		1		1		1	
1/4	1,435.39	1/4	1,181.47	1/4	927.63	1/4	673.78	1/4	418.62	1/4	165.08	1/4		1/4		1/4		1/4	
1/2	1,430.10	1/2	1,176.18	1/2	922.35	1/2	668.49	1/2	413.30	1/2	159.97	1/2		1/2		1/2		1/2	
3/4	1,424.81	3/4	1,170.89	3/4	917.07	3/4	663.20	3/4	407.99	3/4	154.86	3/4		3/4		3/4		3/4	
2	1,419.52	2	1,165.60	2	911.78	2	657.91	2	402.67	2	149.75	2		2		2		2	
1/4	1,414.23	1/4	1,160.31	1/4	906.50	1/4	652.62	1/4	397.35	1/4	144.64	1/4		1/4		1/4		1/4	
1/2	1,408.94	1/2	1,155.02	1/2	901.22	1/2	647.28	1/2	392.04	1/2	139.48	1/2		1/2		1/2		1/2	
3/4	1,403.65	3/4	1,149.73	3/4	895.94	3/4	641.94	3/4	386.72	3/4	134.32	3/4		3/4		3/4		3/4	
3	1,398.36	3	1,144.44	3	890.65	3	636.60	3	381.41	3	129.16	3		3		3		3	
1/4	1,393.07	1/4	1,139.15	1/4	885.37	1/4	631.26	1/4	376.09	1/4	124.00	1/4		1/4		1/4		1/4	
1/2	1,387.78	1/2	1,133.86	1/2	880.09	1/2	625.94	1/2	370.77	1/2	118.87	1/2		1/2		1/2		1/2	
3/4	1,382.49	3/4	1,128.57	3/4	874.81	3/4	620.63	3/4	365.46	3/4	113.73	3/4		3/4		3/4		3/4	
4	1,377.20	4	1,123.28	4	869.52	4	615.31	4	360.14	4	108.60	4		4		4		4	
1/4	1,371.91	1/4	1,117.99	1/4	864.24	1/4	609.99	1/4	354.82	1/4	103.46	1/4		1/4		1/4		1/4	
1/2	1,366.62	1/2	1,112.70	1/2	858.96	1/2	604.68	1/2	349.51	1/2	98.28	1/2		1/2		1/2		1/2	
3/4	1,361.33	3/4	1,107.41	3/4	853.68	3/4	599.36	3/4	344.19	3/4	93.10	3/4		3/4		3/4		3/4	
5	1,356.04	5	1,102.12	5	848.39	5	594.05	5	338.88	5	87.92	5		5		5		5	
1/4	1,350.75	1/4	1,096.83	1/4	843.11	1/4	588.73	1/4	333.56	1/4	82.74	1/4		1/4		1/4		1/4	
1/2	1,345.46	1/2	1,091.54	1/2	837.83	1/2	583.41	1/2	328.25	1/2	77.42	1/2		1/2		1/2		1/2	
3/4	1,340.17	3/4	1,086.25	3/4	832.55	3/4	578.10	3/4	322.93	3/4	72.11	3/4		3/4		3/4		3/4	
6	1,334.88	6	1,080.96	6	827.27	6	572.78	6	317.62	6	66.79	6		6		6		6	
1/4	1,329.59	1/4	1,075.67	1/4	821.99	1/4	567.46	1/4	312.30	1/4	61.47	1/4		1/4		1/4		1/4	
1/2	1,324.30	1/2	1,070.38	1/2	816.71	1/2	562.15	1/2	306.98	1/2	56.16	1/2		1/2		1/2		1/2	
3/4	1,319.01	3/4	1,065.09	3/4	811.43	3/4	556.83	3/4	301.67	3/4	50.84	3/4		3/4		3/4		3/4	
7	1,313.72	7	1,059.80	7	806.14	7	551.52	7	296.35	7	45.53	7		7		7		7	
1/4	1,308.43	1/4	1,054.51	1/4	800.86	1/4	546.20	1/4	291.03	1/4	40.21	1/4		1/4		1/4		1/4	
1/2	1,303.14	1/2	1,049.22	1/2	795.58	1/2	540.89	1/2	285.72	1/2	35.74	1/2		1/2		1/2		1/2	
3/4	1,297.85	3/4	1,043.93	3/4	790.30	3/4	535.57	3/4	280.40	3/4	31.26	3/4		3/4		3/4		3/4	
8	1,292.56	8	1,038.64	8	785.01	8	530.26	8	275.09	8	26.79	8		8		8		8	
1/4	1,287.27	1/4	1,033.35	1/4	779.73	1/4	524.94	1/4	269.77	1/4	22.31	1/4		1/4		1/4		1/4	
1/2	1,281.98	1/2	1,028.06	1/2	774.45	1/2	519.62	1/2	264.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,276.69	3/4	1,022.77	3/4	769.17	3/4	514.31	3/4	259.14	3/4		3/4		3/4		3/4		3/4	
9	1,271.40	9	1,017.48	9	763.88	9	508.99	9	253.82	9		9		9		9		9	
1/4	1,266.11	1/4	1,012.19	1/4	758.60	1/4	503.67	1/4	248.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,260.82	1/2	1,006.90	1/2	753.32	1/2	498.36	1/2	243.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,255.53	3/4	1,001.61	3/4	748.04	3/4	493.04	3/4	237.87	3/4		3/4		3/4		3/4		3/4	
10	1,250.24	10	996.32	10	742.75	10	487.73	10	232.56	10		10		10		10		10	
1/4	1,244.95	1/4	991.03	1/4	737.47	1/4	482.41	1/4	227.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,239.66	1/2	985.74	1/2	732.18	1/2	477.09	1/2	221.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,234.37	3/4	980.46	3/4	726.89	3/4	471.78	3/4	216.70	3/4		3/4		3/4		3/4		3/4	
11	1,229.08	11	975.17	11	721.60	11	466.46	11	211.43	11		11		11		11		11	
1/4	1,223.79	1/4	969.88	1/4	716.31	1/4	461.14	1/4	206.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,218.50	1/2	964.60	1/2	711.00	1/2	455.83	1/2	201.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,213.21	3/4	959.32	3/4	705.68	3/4	450.51	3/4	195.89	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED:03/19/2009 INSP.
RECALCULATED:06/20/2019
REPRINTED: 06/20/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2019

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



BARGE "HTCO 3070"

2 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-08 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	2,964.97	0	2,712.01	0	2,459.05	0	2,206.09	0	1,953.13	0	1,700.17
1/4		1/4		1/4		1/4	3,183.09	1/4	2,959.70	1/4	2,706.74	1/4	2,453.78	1/4	2,200.82	1/4	1,947.86	1/4	1,694.90
1/2		1/2		1/2		1/2	3,181.04	1/2	2,954.43	1/2	2,701.47	1/2	2,448.51	1/2	2,195.55	1/2	1,942.59	1/2	1,689.63
3/4		3/4		3/4		3/4	3,178.99	3/4	2,949.16	3/4	2,696.20	3/4	2,443.24	3/4	2,190.28	3/4	1,937.32	3/4	1,684.36
1		1		1		1	3,176.93	1	2,943.89	1	2,690.93	1	2,437.97	1	2,185.01	1	1,932.05	1	1,679.09
1/4		1/4		1/4		1/4	3,174.88	1/4	2,938.62	1/4	2,685.66	1/4	2,432.70	1/4	2,179.74	1/4	1,926.78	1/4	1,673.82
1/2		1/2		1/2		1/2	3,171.92	1/2	2,933.35	1/2	2,680.39	1/2	2,427.43	1/2	2,174.47	1/2	1,921.51	1/2	1,668.55
3/4		3/4		3/4		3/4	3,168.95	3/4	2,928.08	3/4	2,675.12	3/4	2,422.16	3/4	2,169.20	3/4	1,916.24	3/4	1,663.28
2		2		2		2	3,165.99	2	2,922.81	2	2,669.85	2	2,416.89	2	2,163.93	2	1,910.97	2	1,658.01
1/4		1/4		1/4		1/4	3,163.02	1/4	2,917.54	1/4	2,664.58	1/4	2,411.62	1/4	2,158.66	1/4	1,905.70	1/4	1,652.74
1/2		1/2		1/2		1/2	3,159.14	1/2	2,912.27	1/2	2,659.34	1/2	2,406.35	1/2	2,153.42	1/2	1,900.43	1/2	1,647.47
3/4		3/4		3/4		3/4	3,155.27	3/4	2,907.00	3/4	2,654.09	3/4	2,401.08	3/4	2,148.17	3/4	1,895.16	3/4	1,642.20
3		3		3		3	3,151.39	3	2,901.73	3	2,648.85	3	2,395.81	3	2,142.93	3	1,889.89	3	1,636.93
1/4		1/4		1/4		1/4	3,147.51	1/4	2,896.46	1/4	2,643.60	1/4	2,390.54	1/4	2,137.68	1/4	1,884.62	1/4	1,631.66
1/2		1/2		1/2		1/2	3,142.72	1/2	2,891.19	1/2	2,638.31	1/2	2,385.27	1/2	2,132.39	1/2	1,879.35	1/2	1,626.39
3/4		3/4		3/4		3/4	3,137.93	3/4	2,885.92	3/4	2,633.01	3/4	2,380.00	3/4	2,127.09	3/4	1,874.08	3/4	1,621.12
4		4		4		4	3,133.13	4	2,880.65	4	2,627.72	4	2,374.73	4	2,121.80	4	1,868.81	4	1,615.85
1/4		1/4		1/4		1/4	3,128.34	1/4	2,875.38	1/4	2,622.42	1/4	2,369.46	1/4	2,116.50	1/4	1,863.54	1/4	1,610.58
1/2		1/2		1/2		1/2	3,123.07	1/2	2,870.11	1/2	2,617.15	1/2	2,364.19	1/2	2,111.23	1/2	1,858.27	1/2	1,605.31
3/4		3/4		3/4		3/4	3,117.80	3/4	2,864.84	3/4	2,611.88	3/4	2,358.92	3/4	2,105.96	3/4	1,853.00	3/4	1,600.04
5		5		5		5	3,112.53	5	2,859.57	5	2,606.61	5	2,353.65	5	2,100.69	5	1,847.73	5	1,594.77
1/4		1/4		1/4		1/4	3,107.26	1/4	2,854.30	1/4	2,601.34	1/4	2,348.38	1/4	2,095.42	1/4	1,842.46	1/4	1,589.50
1/2		1/2		1/2		1/2	3,101.99	1/2	2,849.03	1/2	2,596.07	1/2	2,343.11	1/2	2,090.15	1/2	1,837.19	1/2	1,584.23
3/4		3/4		3/4		3/4	3,096.72	3/4	2,843.76	3/4	2,590.80	3/4	2,337.84	3/4	2,084.88	3/4	1,831.92	3/4	1,578.96
6		6		6		6	3,091.45	6	2,838.49	6	2,585.53	6	2,332.57	6	2,079.61	6	1,826.65	6	1,573.69
1/4		1/4		1/4		1/4	3,086.18	1/4	2,833.22	1/4	2,580.26	1/4	2,327.30	1/4	2,074.34	1/4	1,821.38	1/4	1,568.42
1/2		1/2		1/2		1/2	3,080.91	1/2	2,827.95	1/2	2,574.99	1/2	2,322.03	1/2	2,069.07	1/2	1,816.11	1/2	1,563.15
3/4		3/4		3/4		3/4	3,075.64	3/4	2,822.68	3/4	2,569.72	3/4	2,316.76	3/4	2,063.80	3/4	1,810.84	3/4	1,557.88
7		7		7		7	3,070.37	7	2,817.41	7	2,564.45	7	2,311.49	7	2,058.53	7	1,805.57	7	1,552.61
1/4		1/4		1/4		1/4	3,065.10	1/4	2,812.14	1/4	2,559.18	1/4	2,306.22	1/4	2,053.26	1/4	1,800.30	1/4	1,547.34
1/2		1/2		1/2		1/2	3,059.83	1/2	2,806.88	1/2	2,553.91	1/2	2,300.95	1/2	2,047.99	1/2	1,795.03	1/2	1,542.07
3/4		3/4		3/4		3/4	3,054.56	3/4	2,801.61	3/4	2,548.64	3/4	2,295.68	3/4	2,042.72	3/4	1,789.76	3/4	1,536.80
8		8		8		8	3,049.29	8	2,796.35	8	2,543.37	8	2,290.41	8	2,037.45	8	1,784.49	8	1,531.53
1/4		1/4		1/4		1/4	3,044.02	1/4	2,791.08	1/4	2,538.10	1/4	2,285.14	1/4	2,032.18	1/4	1,779.22	1/4	1,526.26
1/2		1/2		1/2		1/2	3,038.75	1/2	2,785.81	1/2	2,532.83	1/2	2,279.87	1/2	2,026.91	1/2	1,773.95	1/2	1,520.99
3/4		3/4		3/4		3/4	3,033.48	3/4	2,780.53	3/4	2,527.56	3/4	2,274.60	3/4	2,021.64	3/4	1,768.68	3/4	1,515.72
9		9		9		9	3,028.21	9	2,775.26	9	2,522.29	9	2,269.33	9	2,016.37	9	1,763.41	9	1,510.45
1/4		1/4		1/4		1/4	3,022.94	1/4	2,769.98	1/4	2,517.02	1/4	2,264.06	1/4	2,011.10	1/4	1,758.14	1/4	1,505.18
1/2		1/2		1/2		1/2	3,017.67	1/2	2,764.71	1/2	2,511.75	1/2	2,258.79	1/2	2,005.83	1/2	1,752.87	1/2	1,499.91
3/4		3/4		3/4		3/4	3,012.40	3/4	2,759.44	3/4	2,506.48	3/4	2,253.52	3/4	2,000.56	3/4	1,747.60	3/4	1,494.64
10		10		10		10	3,007.13	10	2,754.17	10	2,501.21	10	2,248.25	10	1,995.29	10	1,742.33	10	1,489.37
1/4		1/4		1/4		1/4	3,001.86	1/4	2,748.90	1/4	2,495.94	1/4	2,242.98	1/4	1,990.02	1/4	1,737.06	1/4	1,484.10
1/2		1/2		1/2		1/2	2,996.59	1/2	2,743.63	1/2	2,490.67	1/2	2,237.71	1/2	1,984.75	1/2	1,731.79	1/2	1,478.83
3/4		3/4		3/4		3/4	2,991.32	3/4	2,738.36	3/4	2,485.40	3/4	2,232.44	3/4	1,979.48	3/4	1,726.52	3/4	1,473.56
11		11		11		11	2,986.05	11	2,733.09	11	2,480.13	11	2,227.17	11	1,974.21	11	1,721.25	11	1,468.29
1/4		1/4		1/4		1/4	2,980.78	1/4	2,727.82	1/4	2,474.86	1/4	2,221.90	1/4	1,968.94	1/4	1,715.98	1/4	1,463.02
1/2		1/2		1/2		1/2	2,975.51	1/2	2,722.55	1/2	2,469.59	1/2	2,216.63	1/2	1,963.67	1/2	1,710.71	1/2	1,457.75
3/4		3/4		3/4		3/4	2,970.24	3/4	2,717.28	3/4	2,464.32	3/4	2,211.36	3/4	1,958.40	3/4	1,705.44	3/4	1,452.48

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 11'-00" OFF CENTERLINE AND 34'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "HTCO 3070"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,447.21	0	1,194.25	0	941.52	0	691.17	0	439.36	0	188.26	0		0		0		0	
1/4	1,441.94	1/4	1,188.98	1/4	936.31	1/4	685.92	1/4	434.11	1/4	183.19	1/4		1/4		1/4		1/4	
1/2	1,436.67	1/2	1,183.71	1/2	931.10	1/2	680.67	1/2	428.87	1/2	178.12	1/2		1/2		1/2		1/2	
3/4	1,431.40	3/4	1,178.44	3/4	925.89	3/4	675.43	3/4	423.62	3/4	173.06	3/4		3/4		3/4		3/4	
1	1,426.13	1	1,173.17	1	920.67	1	670.18	1	418.38	1	167.99	1		1		1		1	
1/4	1,420.86	1/4	1,167.90	1/4	915.46	1/4	664.93	1/4	413.13	1/4	162.92	1/4		1/4		1/4		1/4	
1/2	1,415.59	1/2	1,162.63	1/2	910.25	1/2	659.69	1/2	407.88	1/2	157.85	1/2		1/2		1/2		1/2	
3/4	1,410.32	3/4	1,157.36	3/4	905.03	3/4	654.44	3/4	402.64	3/4	152.79	3/4		3/4		3/4		3/4	
2	1,405.05	2	1,152.09	2	899.82	2	649.20	2	397.39	2	147.72	2		2		2		2	
1/4	1,399.78	1/4	1,146.82	1/4	894.60	1/4	643.95	1/4	392.14	1/4	142.65	1/4		1/4		1/4		1/4	
1/2	1,394.51	1/2	1,141.55	1/2	889.39	1/2	638.71	1/2	386.90	1/2	137.58	1/2		1/2		1/2		1/2	
3/4	1,389.24	3/4	1,136.28	3/4	884.18	3/4	633.46	3/4	381.65	3/4	132.52	3/4		3/4		3/4		3/4	
3	1,383.97	3	1,131.01	3	878.96	3	628.22	3	376.41	3	127.45	3		3		3		3	
1/4	1,378.70	1/4	1,125.74	1/4	873.75	1/4	622.97	1/4	371.16	1/4	122.38	1/4		1/4		1/4		1/4	
1/2	1,373.43	1/2	1,120.47	1/2	868.54	1/2	617.72	1/2	365.92	1/2	117.31	1/2		1/2		1/2		1/2	
3/4	1,368.16	3/4	1,115.20	3/4	863.33	3/4	612.48	3/4	360.67	3/4	112.25	3/4		3/4		3/4		3/4	
4	1,362.89	4	1,109.93	4	858.11	4	607.23	4	355.43	4	107.18	4		4		4		4	
1/4	1,357.62	1/4	1,104.66	1/4	852.90	1/4	601.98	1/4	350.18	1/4	102.11	1/4		1/4		1/4		1/4	
1/2	1,352.35	1/2	1,099.39	1/2	847.69	1/2	596.74	1/2	344.93	1/2	97.00	1/2		1/2		1/2		1/2	
3/4	1,347.08	3/4	1,094.12	3/4	842.48	3/4	591.49	3/4	339.69	3/4	91.89	3/4		3/4		3/4		3/4	
5	1,341.81	5	1,088.85	5	837.26	5	586.25	5	334.44	5	86.77	5		5		5		5	
1/4	1,336.54	1/4	1,083.58	1/4	832.05	1/4	581.00	1/4	329.19	1/4	81.66	1/4		1/4		1/4		1/4	
1/2	1,331.27	1/2	1,078.31	1/2	826.84	1/2	575.75	1/2	323.95	1/2	76.41	1/2		1/2		1/2		1/2	
3/4	1,326.00	3/4	1,073.04	3/4	821.63	3/4	570.51	3/4	318.70	3/4	71.17	3/4		3/4		3/4		3/4	
6	1,320.73	6	1,067.77	6	816.41	6	565.26	6	313.46	6	65.92	6		6		6		6	
1/4	1,315.46	1/4	1,062.50	1/4	811.20	1/4	560.01	1/4	308.21	1/4	60.67	1/4		1/4		1/4		1/4	
1/2	1,310.19	1/2	1,057.23	1/2	805.99	1/2	554.77	1/2	302.96	1/2	55.43	1/2		1/2		1/2		1/2	
3/4	1,304.92	3/4	1,051.96	3/4	800.77	3/4	549.52	3/4	297.72	3/4	50.18	3/4		3/4		3/4		3/4	
7	1,299.65	7	1,046.69	7	795.56	7	544.28	7	292.47	7	44.94	7		7		7		7	
1/4	1,294.38	1/4	1,041.42	1/4	790.34	1/4	539.03	1/4	287.22	1/4	39.69	1/4		1/4		1/4		1/4	
1/2	1,289.11	1/2	1,036.15	1/2	785.13	1/2	533.79	1/2	281.98	1/2	35.28	1/2		1/2		1/2		1/2	
3/4	1,283.84	3/4	1,030.88	3/4	779.92	3/4	528.54	3/4	276.73	3/4	30.86	3/4		3/4		3/4		3/4	
8	1,278.57	8	1,025.61	8	774.70	8	523.30	8	271.49	8	26.45	8		8		8		8	
1/4	1,273.30	1/4	1,020.34	1/4	769.49	1/4	518.05	1/4	266.24	1/4	22.03	1/4		1/4		1/4		1/4	
1/2	1,268.03	1/2	1,015.07	1/2	764.28	1/2	512.80	1/2	261.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,262.76	3/4	1,009.80	3/4	759.07	3/4	507.56	3/4	255.75	3/4		3/4		3/4		3/4		3/4	
9	1,257.49	9	1,004.53	9	753.85	9	502.31	9	250.51	9		9		9		9		9	
1/4	1,252.22	1/4	999.26	1/4	748.64	1/4	497.06	1/4	245.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,246.95	1/2	993.99	1/2	743.43	1/2	491.82	1/2	240.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,241.68	3/4	988.72	3/4	738.22	3/4	486.57	3/4	234.77	3/4		3/4		3/4		3/4		3/4	
10	1,236.41	10	983.45	10	733.00	10	481.33	10	229.52	10		10		10		10		10	
1/4	1,231.14	1/4	978.18	1/4	727.79	1/4	476.08	1/4	224.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,225.87	1/2	972.93	1/2	722.57	1/2	470.84	1/2	219.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,220.60	3/4	967.67	3/4	717.35	3/4	465.59	3/4	213.87	3/4		3/4		3/4		3/4		3/4	
11	1,215.33	11	962.42	11	712.12	11	460.35	11	208.67	11		11		11		11		11	
1/4	1,210.06	1/4	957.16	1/4	706.90	1/4	455.10	1/4	203.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,204.79	1/2	951.95	1/2	701.66	1/2	449.85	1/2	198.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,199.52	3/4	946.74	3/4	696.41	3/4	444.61	3/4	193.33	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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ALL PRIOR TO 06/2019

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BARGE "HTCO 3070"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-07 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	3,181.04	0	2,954.43	0	2,701.47	0	2,448.51	0	2,195.55	0	1,942.59	0	1,689.63
1/4		1/4		1/4		1/4	3,178.99	1/4	2,949.16	1/4	2,696.20	1/4	2,443.24	1/4	2,190.28	1/4	1,937.32	1/4	1,684.36
1/2		1/2		1/2		1/2	3,176.93	1/2	2,943.89	1/2	2,690.93	1/2	2,437.97	1/2	2,185.01	1/2	1,932.05	1/2	1,679.09
3/4		3/4		3/4		3/4	3,174.88	3/4	2,938.62	3/4	2,685.66	3/4	2,432.70	3/4	2,179.74	3/4	1,926.78	3/4	1,673.82
1		1		1		1	3,171.92	1	2,933.35	1	2,680.39	1	2,427.43	1	2,174.47	1	1,921.51	1	1,668.55
1/4		1/4		1/4		1/4	3,168.95	1/4	2,928.08	1/4	2,675.12	1/4	2,422.16	1/4	2,169.20	1/4	1,916.24	1/4	1,663.28
1/2		1/2		1/2		1/2	3,165.99	1/2	2,922.81	1/2	2,669.85	1/2	2,416.89	1/2	2,163.93	1/2	1,910.97	1/2	1,658.01
3/4		3/4		3/4		3/4	3,163.02	3/4	2,917.54	3/4	2,664.58	3/4	2,411.62	3/4	2,158.66	3/4	1,905.70	3/4	1,652.74
2		2		2		2	3,159.14	2	2,912.27	2	2,659.34	2	2,406.35	2	2,153.42	2	1,900.43	2	1,647.47
1/4		1/4		1/4		1/4	3,155.27	1/4	2,907.00	1/4	2,654.09	1/4	2,401.08	1/4	2,148.17	1/4	1,895.16	1/4	1,642.20
1/2		1/2		1/2		1/2	3,151.39	1/2	2,901.73	1/2	2,648.85	1/2	2,395.81	1/2	2,142.93	1/2	1,889.89	1/2	1,636.93
3/4		3/4		3/4		3/4	3,147.51	3/4	2,896.46	3/4	2,643.60	3/4	2,390.54	3/4	2,137.68	3/4	1,884.62	3/4	1,631.66
3		3		3		3	3,142.72	3	2,891.19	3	2,638.31	3	2,385.27	3	2,132.39	3	1,879.35	3	1,626.39
1/4		1/4		1/4		1/4	3,137.93	1/4	2,885.92	1/4	2,633.01	1/4	2,380.00	1/4	2,127.09	1/4	1,874.08	1/4	1,621.12
1/2		1/2		1/2		1/2	3,133.13	1/2	2,880.65	1/2	2,627.72	1/2	2,374.73	1/2	2,121.80	1/2	1,868.81	1/2	1,615.85
3/4		3/4		3/4		3/4	3,128.34	3/4	2,875.38	3/4	2,622.42	3/4	2,369.46	3/4	2,116.50	3/4	1,863.54	3/4	1,610.58
4		4		4		4	3,123.07	4	2,870.11	4	2,617.15	4	2,364.19	4	2,111.23	4	1,858.27	4	1,605.31
1/4		1/4		1/4		1/4	3,117.80	1/4	2,864.84	1/4	2,611.88	1/4	2,358.92	1/4	2,105.96	1/4	1,853.00	1/4	1,600.04
1/2		1/2		1/2		1/2	3,112.53	1/2	2,859.57	1/2	2,606.61	1/2	2,353.65	1/2	2,100.69	1/2	1,847.73	1/2	1,594.77
3/4		3/4		3/4		3/4	3,107.26	3/4	2,854.30	3/4	2,601.34	3/4	2,348.38	3/4	2,095.42	3/4	1,842.46	3/4	1,589.50
5		5		5		5	3,101.99	5	2,849.03	5	2,596.07	5	2,343.11	5	2,090.15	5	1,837.19	5	1,584.23
1/4		1/4		1/4		1/4	3,096.72	1/4	2,843.76	1/4	2,590.80	1/4	2,337.84	1/4	2,084.88	1/4	1,831.92	1/4	1,578.96
1/2		1/2		1/2		1/2	3,091.45	1/2	2,838.49	1/2	2,585.53	1/2	2,332.57	1/2	2,079.61	1/2	1,826.65	1/2	1,573.69
3/4		3/4		3/4		3/4	3,086.18	3/4	2,833.22	3/4	2,580.26	3/4	2,327.30	3/4	2,074.34	3/4	1,821.38	3/4	1,568.42
6		6		6		6	3,080.91	6	2,827.95	6	2,574.99	6	2,322.03	6	2,069.07	6	1,816.11	6	1,563.15
1/4		1/4		1/4		1/4	3,075.64	1/4	2,822.68	1/4	2,569.72	1/4	2,316.76	1/4	2,063.80	1/4	1,810.84	1/4	1,557.88
1/2		1/2		1/2		1/2	3,070.37	1/2	2,817.41	1/2	2,564.45	1/2	2,311.49	1/2	2,058.53	1/2	1,805.57	1/2	1,552.61
3/4		3/4		3/4		3/4	3,065.10	3/4	2,812.14	3/4	2,559.18	3/4	2,306.22	3/4	2,053.26	3/4	1,800.30	3/4	1,547.34
7		7		7		7	3,059.83	7	2,806.88	7	2,553.91	7	2,300.95	7	2,047.99	7	1,795.03	7	1,542.07
1/4		1/4		1/4		1/4	3,054.56	1/4	2,801.61	1/4	2,548.64	1/4	2,295.68	1/4	2,042.72	1/4	1,789.76	1/4	1,536.80
1/2		1/2		1/2		1/2	3,049.29	1/2	2,796.35	1/2	2,543.37	1/2	2,290.41	1/2	2,037.45	1/2	1,784.49	1/2	1,531.53
3/4		3/4		3/4		3/4	3,044.02	3/4	2,791.08	3/4	2,538.10	3/4	2,285.14	3/4	2,032.18	3/4	1,779.22	3/4	1,526.26
8		8		8		8	3,038.75	8	2,785.81	8	2,532.83	8	2,279.87	8	2,026.91	8	1,773.95	8	1,520.99
1/4		1/4		1/4		1/4	3,033.48	1/4	2,780.53	1/4	2,527.56	1/4	2,274.60	1/4	2,021.64	1/4	1,768.68	1/4	1,515.72
1/2		1/2		1/2		1/2	3,028.21	1/2	2,775.26	1/2	2,522.29	1/2	2,269.33	1/2	2,016.37	1/2	1,763.41	1/2	1,510.45
3/4		3/4		3/4		3/4	3,022.94	3/4	2,769.98	3/4	2,517.02	3/4	2,264.06	3/4	2,011.10	3/4	1,758.14	3/4	1,505.18
9		9		9		9	3,017.67	9	2,764.71	9	2,511.75	9	2,258.79	9	2,005.83	9	1,752.87	9	1,499.91
1/4		1/4		1/4		1/4	3,012.40	1/4	2,759.44	1/4	2,506.48	1/4	2,253.52	1/4	2,000.56	1/4	1,747.60	1/4	1,494.64
1/2		1/2		1/2		1/2	3,007.13	1/2	2,754.17	1/2	2,501.21	1/2	2,248.25	1/2	1,995.29	1/2	1,742.33	1/2	1,489.37
3/4		3/4		3/4		3/4	3,001.86	3/4	2,748.90	3/4	2,495.94	3/4	2,242.98	3/4	1,990.02	3/4	1,737.06	3/4	1,484.10
10		10		10		10	2,996.59	10	2,743.63	10	2,490.67	10	2,237.71	10	1,984.75	10	1,731.79	10	1,478.83
1/4		1/4		1/4		1/4	2,991.32	1/4	2,738.36	1/4	2,485.40	1/4	2,232.44	1/4	1,979.48	1/4	1,726.52	1/4	1,473.56
1/2		1/2		1/2		1/2	2,986.05	1/2	2,733.09	1/2	2,480.13	1/2	2,227.17	1/2	1,974.21	1/2	1,721.25	1/2	1,468.29
3/4		3/4		3/4		3/4	2,980.78	3/4	2,727.82	3/4	2,474.86	3/4	2,221.90	3/4	1,968.94	3/4	1,715.98	3/4	1,463.02
11		11		11		11	2,975.51	11	2,722.55	11	2,469.59	11	2,216.63	11	1,963.67	11	1,710.71	11	1,457.75
1/4		1/4		1/4		1/4	2,970.24	1/4	2,717.28	1/4	2,464.32	1/4	2,211.36	1/4	1,958.40	1/4	1,705.44	1/4	1,452.48
1/2		1/2		1/2		1/2	2,964.97	1/2	2,712.01	1/2	2,459.05	1/2	2,206.09	1/2	1,953.13	1/2	1,700.17	1/2	1,447.21
3/4		3/4		3/4		3/4	3,183.09	3/4	2,959.70	3/4	2,706.74	3/4	2,453.78	3/4	2,200.82	3/4	1,947.86	3/4	1,441.94

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 11'-00" OFF CENTERLINE AND 34'-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 3070"

2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,436.67	0	1,183.71	0	931.10	0	680.67	0	428.87	0	178.12	0		0		0		0	
1/4	1,431.40	1/4	1,178.44	1/4	925.89	1/4	675.43	1/4	423.62	1/4	173.06	1/4		1/4		1/4		1/4	
1/2	1,426.13	1/2	1,173.17	1/2	920.67	1/2	670.18	1/2	418.38	1/2	167.99	1/2		1/2		1/2		1/2	
3/4	1,420.86	3/4	1,167.90	3/4	915.46	3/4	664.93	3/4	413.13	3/4	162.92	3/4		3/4		3/4		3/4	
1	1,415.59	1	1,162.63	1	910.25	1	659.69	1	407.88	1	157.85	1		1		1		1	
1/4	1,410.32	1/4	1,157.36	1/4	905.03	1/4	654.44	1/4	402.64	1/4	152.79	1/4		1/4		1/4		1/4	
1/2	1,405.05	1/2	1,152.09	1/2	899.82	1/2	649.20	1/2	397.39	1/2	147.72	1/2		1/2		1/2		1/2	
3/4	1,399.78	3/4	1,146.82	3/4	894.60	3/4	643.95	3/4	392.14	3/4	142.65	3/4		3/4		3/4		3/4	
2	1,394.51	2	1,141.55	2	889.39	2	638.71	2	386.90	2	137.58	2		2		2		2	
1/4	1,389.24	1/4	1,136.28	1/4	884.18	1/4	633.46	1/4	381.65	1/4	132.52	1/4		1/4		1/4		1/4	
1/2	1,383.97	1/2	1,131.01	1/2	878.96	1/2	628.22	1/2	376.41	1/2	127.45	1/2		1/2		1/2		1/2	
3/4	1,378.70	3/4	1,125.74	3/4	873.75	3/4	622.97	3/4	371.16	3/4	122.38	3/4		3/4		3/4		3/4	
3	1,373.43	3	1,120.47	3	868.54	3	617.72	3	365.92	3	117.31	3		3		3		3	
1/4	1,368.16	1/4	1,115.20	1/4	863.33	1/4	612.48	1/4	360.67	1/4	112.25	1/4		1/4		1/4		1/4	
1/2	1,362.89	1/2	1,109.93	1/2	858.11	1/2	607.23	1/2	355.43	1/2	107.18	1/2		1/2		1/2		1/2	
3/4	1,357.62	3/4	1,104.66	3/4	852.90	3/4	601.98	3/4	350.18	3/4	102.11	3/4		3/4		3/4		3/4	
4	1,352.35	4	1,099.39	4	847.69	4	596.74	4	344.93	4	97.00	4		4		4		4	
1/4	1,347.08	1/4	1,094.12	1/4	842.48	1/4	591.49	1/4	339.69	1/4	91.89	1/4		1/4		1/4		1/4	
1/2	1,341.81	1/2	1,088.85	1/2	837.26	1/2	586.25	1/2	334.44	1/2	86.77	1/2		1/2		1/2		1/2	
3/4	1,336.54	3/4	1,083.58	3/4	832.05	3/4	581.00	3/4	329.19	3/4	81.66	3/4		3/4		3/4		3/4	
5	1,331.27	5	1,078.31	5	826.84	5	575.75	5	323.95	5	76.41	5		5		5		5	
1/4	1,326.00	1/4	1,073.04	1/4	821.63	1/4	570.51	1/4	318.70	1/4	71.17	1/4		1/4		1/4		1/4	
1/2	1,320.73	1/2	1,067.77	1/2	816.41	1/2	565.26	1/2	313.46	1/2	65.92	1/2		1/2		1/2		1/2	
3/4	1,315.46	3/4	1,062.50	3/4	811.20	3/4	560.01	3/4	308.21	3/4	60.67	3/4		3/4		3/4		3/4	
6	1,310.19	6	1,057.23	6	805.99	6	554.77	6	302.96	6	55.43	6		6		6		6	
1/4	1,304.92	1/4	1,051.96	1/4	800.77	1/4	549.52	1/4	297.72	1/4	50.18	1/4		1/4		1/4		1/4	
1/2	1,299.65	1/2	1,046.69	1/2	795.56	1/2	544.28	1/2	292.47	1/2	44.94	1/2		1/2		1/2		1/2	
3/4	1,294.38	3/4	1,041.42	3/4	790.34	3/4	539.03	3/4	287.22	3/4	39.69	3/4		3/4		3/4		3/4	
7	1,289.11	7	1,036.15	7	785.13	7	533.79	7	281.98	7	35.28	7		7		7		7	
1/4	1,283.84	1/4	1,030.88	1/4	779.92	1/4	528.54	1/4	276.73	1/4	30.86	1/4		1/4		1/4		1/4	
1/2	1,278.57	1/2	1,025.61	1/2	774.70	1/2	523.30	1/2	271.49	1/2	26.45	1/2		1/2		1/2		1/2	
3/4	1,273.30	3/4	1,020.34	3/4	769.49	3/4	518.05	3/4	266.24	3/4	22.03	3/4		3/4		3/4		3/4	
8	1,268.03	8	1,015.07	8	764.28	8	512.80	8	261.00	8		8		8		8		8	
1/4	1,262.76	1/4	1,009.80	1/4	759.07	1/4	507.56	1/4	255.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,257.49	1/2	1,004.53	1/2	753.85	1/2	502.31	1/2	250.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,252.22	3/4	999.26	3/4	748.64	3/4	497.06	3/4	245.26	3/4		3/4		3/4		3/4		3/4	
9	1,246.95	9	993.99	9	743.43	9	491.82	9	240.01	9		9		9		9		9	
1/4	1,241.68	1/4	988.72	1/4	738.22	1/4	486.57	1/4	234.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,236.41	1/2	983.45	1/2	733.00	1/2	481.33	1/2	229.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,231.14	3/4	978.18	3/4	727.79	3/4	476.08	3/4	224.27	3/4		3/4		3/4		3/4		3/4	
10	1,225.87	10	972.93	10	722.57	10	470.84	10	219.07	10		10		10		10		10	
1/4	1,220.60	1/4	967.67	1/4	717.35	1/4	465.59	1/4	213.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,215.33	1/2	962.42	1/2	712.12	1/2	460.35	1/2	208.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,210.06	3/4	957.16	3/4	706.90	3/4	455.10	3/4	203.47	3/4		3/4		3/4		3/4		3/4	
11	1,204.79	11	951.95	11	701.66	11	449.85	11	198.40	11		11		11		11		11	
1/4	1,199.52	1/4	946.74	1/4	696.41	1/4	444.61	1/4	193.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,194.25	1/2	941.52	1/2	691.17	1/2	439.36	1/2	188.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,188.98	3/4	936.31	3/4	685.92	3/4	434.11	3/4	183.19	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED:03/19/2009 INSP.
RECALCULATED:06/20/2019
REPRINTED: 06/20/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "HTCO 3070"

3 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-08"

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	3,502.46	0	3,256.72	0	2,978.65	0	2,700.59	0	2,422.53	0	2,144.46	0	1,866.40
1/4		1/4		1/4		1/4	3,500.20	1/4	3,250.93	1/4	2,972.86	1/4	2,694.80	1/4	2,416.74	1/4	2,138.67	1/4	1,860.61
1/2		1/2		1/2		1/2	3,497.94	1/2	3,245.14	1/2	2,967.07	1/2	2,689.01	1/2	2,410.94	1/2	2,132.87	1/2	1,854.81
3/4		3/4		3/4		3/4	3,495.67	3/4	3,239.34	3/4	2,961.27	3/4	2,683.21	3/4	2,405.15	3/4	2,127.08	3/4	1,849.02
1		1		1		1	3,493.41	1	3,233.55	1	2,955.48	1	2,677.42	1	2,399.35	1	2,121.29	1	1,843.23
1/4		1/4		1/4		1/4	3,490.14	1/4	3,227.76	1/4	2,949.69	1/4	2,671.63	1/4	2,393.56	1/4	2,115.50	1/4	1,837.43
1/2		1/2		1/2		1/2	3,486.87	1/2	3,221.96	1/2	2,943.90	1/2	2,665.84	1/2	2,387.77	1/2	2,109.70	1/2	1,831.64
3/4		3/4		3/4		3/4	3,483.60	3/4	3,216.17	3/4	2,938.10	3/4	2,660.04	3/4	2,381.97	3/4	2,103.91	3/4	1,825.84
2		2		2		2	3,480.33	2	3,210.37	2	2,932.31	2	2,654.25	2	2,376.18	2	2,098.12	2	1,820.05
1/4		1/4		1/4		1/4	3,476.05	1/4	3,204.58	1/4	2,926.52	1/4	2,648.46	1/4	2,370.39	1/4	2,092.33	1/4	1,814.26
1/2		1/2		1/2		1/2	3,471.78	1/2	3,198.79	1/2	2,920.73	1/2	2,642.66	1/2	2,364.60	1/2	2,086.53	1/2	1,808.46
3/4		3/4		3/4		3/4	3,467.50	3/4	3,192.99	3/4	2,914.93	3/4	2,636.87	3/4	2,358.80	3/4	2,080.74	3/4	1,802.67
3		3		3		3	3,463.22	3	3,187.20	3	2,909.14	3	2,631.07	3	2,353.01	3	2,074.95	3	1,796.88
1/4		1/4		1/4		1/4	3,457.94	1/4	3,181.41	1/4	2,903.35	1/4	2,625.28	1/4	2,347.22	1/4	2,069.15	1/4	1,791.09
1/2		1/2		1/2		1/2	3,452.66	1/2	3,175.62	1/2	2,897.56	1/2	2,619.49	1/2	2,341.43	1/2	2,063.36	1/2	1,785.29
3/4		3/4		3/4		3/4	3,447.37	3/4	3,169.82	3/4	2,891.76	3/4	2,613.69	3/4	2,335.63	3/4	2,057.56	3/4	1,779.50
4		4		4		4	3,442.09	4	3,164.03	4	2,885.97	4	2,607.90	4	2,329.84	4	2,051.77	4	1,773.71
1/4		1/4		1/4		1/4	3,436.30	1/4	3,158.24	1/4	2,880.18	1/4	2,602.11	1/4	2,324.05	1/4	2,045.98	1/4	1,767.92
1/2		1/2		1/2		1/2	3,430.51	1/2	3,152.45	1/2	2,874.38	1/2	2,596.32	1/2	2,318.26	1/2	2,040.18	1/2	1,762.12
3/4		3/4		3/4		3/4	3,424.71	3/4	3,146.65	3/4	2,868.59	3/4	2,590.52	3/4	2,312.46	3/4	2,034.39	3/4	1,756.33
5		5		5		5	3,418.92	5	3,140.86	5	2,862.79	5	2,584.73	5	2,306.67	5	2,028.60	5	1,750.54
1/4		1/4		1/4		1/4	3,413.13	1/4	3,135.07	1/4	2,857.00	1/4	2,578.94	1/4	2,300.88	1/4	2,022.81	1/4	1,744.75
1/2		1/2		1/2		1/2	3,407.34	1/2	3,129.28	1/2	2,851.21	1/2	2,573.15	1/2	2,295.08	1/2	2,017.01	1/2	1,738.95
3/4		3/4		3/4		3/4	3,401.54	3/4	3,123.48	3/4	2,845.41	3/4	2,567.35	3/4	2,289.29	3/4	2,011.22	3/4	1,733.16
6		6		6		6	3,395.75	6	3,117.69	6	2,839.62	6	2,561.56	6	2,283.49	6	2,005.43	6	1,727.37
1/4		1/4		1/4		1/4	3,389.96	1/4	3,111.90	1/4	2,833.83	1/4	2,555.77	1/4	2,277.70	1/4	1,999.64	1/4	1,721.57
1/2		1/2		1/2		1/2	3,384.17	1/2	3,106.10	1/2	2,828.04	1/2	2,549.98	1/2	2,271.91	1/2	1,993.84	1/2	1,715.78
3/4		3/4		3/4		3/4	3,378.37	3/4	3,100.31	3/4	2,822.24	3/4	2,544.18	3/4	2,266.11	3/4	1,988.05	3/4	1,709.98
7		7		7		7	3,372.58	7	3,094.51	7	2,816.45	7	2,538.39	7	2,260.32	7	1,982.26	7	1,704.19
1/4		1/4		1/4		1/4	3,366.79	1/4	3,088.72	1/4	2,810.66	1/4	2,532.60	1/4	2,254.53	1/4	1,976.47	1/4	1,698.40
1/2		1/2		1/2		1/2	3,361.00	1/2	3,082.93	1/2	2,804.87	1/2	2,526.80	1/2	2,248.74	1/2	1,970.67	1/2	1,692.60
3/4		3/4		3/4		3/4	3,355.20	3/4	3,077.13	3/4	2,799.07	3/4	2,521.01	3/4	2,242.94	3/4	1,964.88	3/4	1,686.81
8		8		8		8	3,349.41	8	3,071.34	8	2,793.28	8	2,515.21	8	2,237.15	8	1,959.09	8	1,681.02
1/4		1/4		1/4		1/4	3,343.62	1/4	3,065.55	1/4	2,787.49	1/4	2,509.42	1/4	2,231.36	1/4	1,953.29	1/4	1,675.23
1/2		1/2		1/2		1/2	3,337.82	1/2	3,059.76	1/2	2,781.70	1/2	2,503.63	1/2	2,225.57	1/2	1,947.50	1/2	1,669.43
3/4		3/4		3/4		3/4	3,332.03	3/4	3,053.96	3/4	2,775.90	3/4	2,497.83	3/4	2,219.77	3/4	1,941.70	3/4	1,663.64
9		9		9		9	3,326.23	9	3,048.17	9	2,770.11	9	2,492.04	9	2,213.98	9	1,935.91	9	1,657.85
1/4		1/4		1/4		1/4	3,320.44	1/4	3,042.38	1/4	2,764.32	1/4	2,486.25	1/4	2,208.19	1/4	1,930.12	1/4	1,652.06
1/2		1/2		1/2		1/2	3,314.66	1/2	3,036.59	1/2	2,758.52	1/2	2,480.46	1/2	2,202.40	1/2	1,924.32	1/2	1,646.26
3/4		3/4		3/4		3/4	3,308.87	3/4	3,030.79	3/4	2,752.73	3/4	2,474.66	3/4	2,196.60	3/4	1,918.53	3/4	1,640.47
10		10		10		10	3,303.08	10	3,025.00	10	2,746.93	10	2,468.87	10	2,190.81	10	1,912.74	10	1,634.68
1/4		1/4		1/4		1/4	3,297.28	1/4	3,019.21	1/4	2,741.14	1/4	2,463.08	1/4	2,185.01	1/4	1,906.95	1/4	1,628.89
1/2		1/2		1/2		1/2	3,291.49	1/2	3,013.42	1/2	2,735.35	1/2	2,457.29	1/2	2,179.22	1/2	1,901.15	1/2	1,623.09
3/4		3/4		3/4		3/4	3,285.69	3/4	3,007.62	3/4	2,729.55	3/4	2,451.49	3/4	2,173.42	3/4	1,895.36	3/4	1,617.30
11		11		11		11	3,279.89	11	3,001.83	11	2,723.76	11	2,445.70	11	2,167.63	11	1,889.57	11	1,611.51
1/4		1/4		1/4		1/4	3,274.10	1/4	2,996.04	1/4	2,717.97	1/4	2,439.91	1/4	2,161.84	1/4	1,883.78	1/4	1,605.71
1/2		1/2		1/2		1/2	3,268.31	1/2	2,990.24	1/2	2,712.18	1/2	2,434.12	1/2	2,156.04	1/2	1,877.98	1/2	1,599.92
3/4		3/4		3/4		3/4	3,262.51	3/4	2,984.45	3/4	2,706.38	3/4	2,428.32	3/4	2,150.25	3/4	1,872.19	3/4	1,594.12

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 11'-00" OFF CENTERLINE AND 34'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3070"

3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 15'-08"

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	1,588.33	0	1,310.27	0	1,032.43	0	756.34	0	478.66	0	201.97	0		0		0		0	
1/4	1,582.54	1/4	1,304.48	1/4	1,026.68	1/4	750.55	1/4	472.90	1/4	196.38	1/4		1/4		1/4		1/4	
1/2	1,576.74	1/2	1,298.68	1/2	1,020.93	1/2	744.77	1/2	467.14	1/2	190.79	1/2		1/2		1/2		1/2	
3/4	1,570.95	3/4	1,292.89	3/4	1,015.19	3/4	738.98	3/4	461.38	3/4	185.21	3/4		3/4		3/4		3/4	
1	1,565.16	1	1,287.10	1	1,009.44	1	733.20	1	455.62	1	179.62	1		1		1		1	
1/4	1,559.37	1/4	1,281.31	1/4	1,003.69	1/4	727.41	1/4	449.81	1/4	174.03	1/4		1/4		1/4		1/4	
1/2	1,553.57	1/2	1,275.51	1/2	997.94	1/2	721.63	1/2	444.00	1/2	168.44	1/2		1/2		1/2		1/2	
3/4	1,547.78	3/4	1,269.72	3/4	992.20	3/4	715.84	3/4	438.19	3/4	162.85	3/4		3/4		3/4		3/4	
2	1,541.99	2	1,263.93	2	986.45	2	710.06	2	432.38	2	157.26	2		2		2		2	
1/4	1,536.20	1/4	1,258.13	1/4	980.70	1/4	704.27	1/4	426.59	1/4	151.67	1/4		1/4		1/4		1/4	
1/2	1,530.40	1/2	1,252.34	1/2	974.95	1/2	698.49	1/2	420.81	1/2	146.08	1/2		1/2		1/2		1/2	
3/4	1,524.61	3/4	1,246.54	3/4	969.21	3/4	692.70	3/4	415.02	3/4	140.50	3/4		3/4		3/4		3/4	
3	1,518.82	3	1,240.75	3	963.46	3	686.92	3	409.24	3	134.91	3		3		3		3	
1/4	1,513.03	1/4	1,234.96	1/4	957.71	1/4	681.13	1/4	403.45	1/4	129.35	1/4		1/4		1/4		1/4	
1/2	1,507.23	1/2	1,229.16	1/2	951.96	1/2	675.35	1/2	397.67	1/2	123.79	1/2		1/2		1/2		1/2	
3/4	1,501.44	3/4	1,223.37	3/4	946.21	3/4	669.56	3/4	391.88	3/4	118.24	3/4		3/4		3/4		3/4	
4	1,495.65	4	1,217.58	4	940.46	4	663.78	4	386.10	4	112.68	4		4		4		4	
1/4	1,489.85	1/4	1,211.79	1/4	934.71	1/4	657.99	1/4	380.31	1/4	107.01	1/4		1/4		1/4		1/4	
1/2	1,484.06	1/2	1,205.99	1/2	928.96	1/2	652.21	1/2	374.53	1/2	101.34	1/2		1/2		1/2		1/2	
3/4	1,478.26	3/4	1,200.20	3/4	923.22	3/4	646.42	3/4	368.74	3/4	95.68	3/4		3/4		3/4		3/4	
5	1,472.47	5	1,194.41	5	917.47	5	640.64	5	362.96	5	90.01	5		5		5		5	
1/4	1,466.68	1/4	1,188.62	1/4	911.72	1/4	634.85	1/4	357.17	1/4	84.22	1/4		1/4		1/4		1/4	
1/2	1,460.88	1/2	1,182.82	1/2	905.97	1/2	629.07	1/2	351.39	1/2	78.44	1/2		1/2		1/2		1/2	
3/4	1,455.09	3/4	1,177.03	3/4	900.23	3/4	623.28	3/4	345.60	3/4	72.65	3/4		3/4		3/4		3/4	
6	1,449.30	6	1,171.24	6	894.48	6	617.50	6	339.82	6	66.87	6		6		6		6	
1/4	1,443.51	1/4	1,165.45	1/4	888.73	1/4	611.71	1/4	334.03	1/4	61.08	1/4		1/4		1/4		1/4	
1/2	1,437.71	1/2	1,159.65	1/2	882.98	1/2	605.93	1/2	328.25	1/2	55.30	1/2		1/2		1/2		1/2	
3/4	1,431.92	3/4	1,153.86	3/4	877.24	3/4	600.14	3/4	322.46	3/4	49.51	3/4		3/4		3/4		3/4	
7	1,426.13	7	1,148.07	7	871.49	7	594.36	7	316.68	7	43.73	7		7		7		7	
1/4	1,420.34	1/4	1,142.27	1/4	865.74	1/4	588.57	1/4	310.89	1/4	38.86	1/4		1/4		1/4		1/4	
1/2	1,414.54	1/2	1,136.48	1/2	859.99	1/2	582.79	1/2	305.11	1/2	33.99	1/2		1/2		1/2		1/2	
3/4	1,408.75	3/4	1,130.68	3/4	854.25	3/4	577.00	3/4	299.32	3/4	29.13	3/4		3/4		3/4		3/4	
8	1,402.96	8	1,124.89	8	848.50	8	571.22	8	293.54	8	24.26	8		8		8		8	
1/4	1,397.17	1/4	1,119.10	1/4	842.77	1/4	565.43	1/4	287.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,391.37	1/2	1,113.30	1/2	837.05	1/2	559.65	1/2	281.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,385.58	3/4	1,107.51	3/4	831.32	3/4	553.86	3/4	276.18	3/4		3/4		3/4		3/4		3/4	
9	1,379.79	9	1,101.72	9	825.60	9	548.08	9	270.40	9		9		9		9		9	
1/4	1,373.99	1/4	1,095.95	1/4	819.83	1/4	542.29	1/4	264.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,368.20	1/2	1,090.18	1/2	814.05	1/2	536.51	1/2	258.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,362.40	3/4	1,084.42	3/4	808.28	3/4	530.72	3/4	253.04	3/4		3/4		3/4		3/4		3/4	
10	1,356.61	10	1,078.65	10	802.51	10	524.94	10	247.26	10		10		10		10		10	
1/4	1,350.82	1/4	1,072.84	1/4	796.75	1/4	519.15	1/4	241.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,345.02	1/2	1,067.03	1/2	790.99	1/2	513.37	1/2	235.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,339.23	3/4	1,061.23	3/4	785.24	3/4	507.58	3/4	230.05	3/4		3/4		3/4		3/4		3/4	
11	1,333.44	11	1,055.42	11	779.48	11	501.80	11	224.32	11		11		11		11		11	
1/4	1,327.65	1/4	1,049.67	1/4	773.69	1/4	496.01	1/4	218.73	1/4		1/4		1/4		1/4		1/4	
1/2	1,321.85	1/2	1,043.92	1/2	767.91	1/2	490.23	1/2	213.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,316.06	3/4	1,038.18	3/4	762.12	3/4	484.44	3/4	207.56	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED:03/19/2009 INSP.
RECALCULATED:06/20/2019
REPRINTED: 06/20/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2019

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



BARGE "HTCO 3070"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,262.51	0	2,984.45	0	2,706.38	0	2,428.32	0	2,150.25	0	1,872.19
1/4		1/4		1/4		1/4	3,502.46	1/4	3,256.72	1/4	2,978.65	1/4	2,700.59	1/4	2,422.53	1/4	2,144.46	1/4	1,866.40
1/2		1/2		1/2		1/2	3,500.20	1/2	3,250.93	1/2	2,972.86	1/2	2,694.80	1/2	2,416.74	1/2	2,138.67	1/2	1,860.61
3/4		3/4		3/4		3/4	3,497.94	3/4	3,245.14	3/4	2,967.07	3/4	2,689.01	3/4	2,410.94	3/4	2,132.87	3/4	1,854.81
1		1		1		1	3,495.67	1	3,239.34	1	2,961.27	1	2,683.21	1	2,405.15	1	2,127.08	1	1,849.02
1/4		1/4		1/4		1/4	3,493.41	1/4	3,233.55	1/4	2,955.48	1/4	2,677.42	1/4	2,399.35	1/4	2,121.29	1/4	1,843.23
1/2		1/2		1/2		1/2	3,490.14	1/2	3,227.76	1/2	2,949.69	1/2	2,671.63	1/2	2,393.56	1/2	2,115.50	1/2	1,837.43
3/4		3/4		3/4		3/4	3,486.87	3/4	3,221.96	3/4	2,943.90	3/4	2,665.84	3/4	2,387.77	3/4	2,109.70	3/4	1,831.64
2		2		2		2	3,483.60	2	3,216.17	2	2,938.10	2	2,660.04	2	2,381.97	2	2,103.91	2	1,825.84
1/4		1/4		1/4		1/4	3,480.33	1/4	3,210.37	1/4	2,932.31	1/4	2,654.25	1/4	2,376.18	1/4	2,098.12	1/4	1,820.05
1/2		1/2		1/2		1/2	3,476.05	1/2	3,204.58	1/2	2,926.52	1/2	2,648.46	1/2	2,370.39	1/2	2,092.33	1/2	1,814.26
3/4		3/4		3/4		3/4	3,471.78	3/4	3,198.79	3/4	2,920.73	3/4	2,642.66	3/4	2,364.60	3/4	2,086.53	3/4	1,808.46
3		3		3		3	3,467.50	3	3,192.99	3	2,914.93	3	2,636.87	3	2,358.80	3	2,080.74	3	1,802.67
1/4		1/4		1/4		1/4	3,463.22	1/4	3,187.20	1/4	2,909.14	1/4	2,631.07	1/4	2,353.01	1/4	2,074.95	1/4	1,796.88
1/2		1/2		1/2		1/2	3,457.94	1/2	3,181.41	1/2	2,903.35	1/2	2,625.28	1/2	2,347.22	1/2	2,069.15	1/2	1,791.09
3/4		3/4		3/4		3/4	3,452.66	3/4	3,175.62	3/4	2,897.56	3/4	2,619.49	3/4	2,341.43	3/4	2,063.36	3/4	1,785.29
4		4		4		4	3,447.37	4	3,169.82	4	2,891.76	4	2,613.69	4	2,335.63	4	2,057.56	4	1,779.50
1/4		1/4		1/4		1/4	3,442.09	1/4	3,164.03	1/4	2,885.97	1/4	2,607.90	1/4	2,329.84	1/4	2,051.77	1/4	1,773.71
1/2		1/2		1/2		1/2	3,436.30	1/2	3,158.24	1/2	2,880.18	1/2	2,602.11	1/2	2,324.05	1/2	2,045.98	1/2	1,767.92
3/4		3/4		3/4		3/4	3,430.51	3/4	3,152.45	3/4	2,874.38	3/4	2,596.32	3/4	2,318.26	3/4	2,040.18	3/4	1,762.12
5		5		5		5	3,424.71	5	3,146.65	5	2,868.59	5	2,590.52	5	2,312.46	5	2,034.39	5	1,756.33
1/4		1/4		1/4		1/4	3,418.92	1/4	3,140.86	1/4	2,862.79	1/4	2,584.73	1/4	2,306.67	1/4	2,028.60	1/4	1,750.54
1/2		1/2		1/2		1/2	3,413.13	1/2	3,135.07	1/2	2,857.00	1/2	2,578.94	1/2	2,300.88	1/2	2,022.81	1/2	1,744.75
3/4		3/4		3/4		3/4	3,407.34	3/4	3,129.28	3/4	2,851.21	3/4	2,573.15	3/4	2,295.08	3/4	2,017.01	3/4	1,738.95
6		6		6		6	3,401.54	6	3,123.48	6	2,845.41	6	2,567.35	6	2,289.29	6	2,011.22	6	1,733.16
1/4		1/4		1/4		1/4	3,395.75	1/4	3,117.69	1/4	2,839.62	1/4	2,561.56	1/4	2,283.49	1/4	2,005.43	1/4	1,727.37
1/2		1/2		1/2		1/2	3,389.96	1/2	3,111.90	1/2	2,833.83	1/2	2,555.77	1/2	2,277.70	1/2	1,999.64	1/2	1,721.57
3/4		3/4		3/4		3/4	3,384.17	3/4	3,106.10	3/4	2,828.04	3/4	2,549.98	3/4	2,271.91	3/4	1,993.84	3/4	1,715.78
7		7		7		7	3,378.37	7	3,100.31	7	2,822.24	7	2,544.18	7	2,266.11	7	1,988.05	7	1,709.98
1/4		1/4		1/4		1/4	3,372.58	1/4	3,094.51	1/4	2,816.45	1/4	2,538.39	1/4	2,260.32	1/4	1,982.26	1/4	1,704.19
1/2		1/2		1/2		1/2	3,366.79	1/2	3,088.72	1/2	2,810.66	1/2	2,532.60	1/2	2,254.53	1/2	1,976.47	1/2	1,698.40
3/4		3/4		3/4		3/4	3,361.00	3/4	3,082.93	3/4	2,804.87	3/4	2,526.80	3/4	2,248.74	3/4	1,970.67	3/4	1,692.60
8		8		8		8	3,355.20	8	3,077.13	8	2,799.07	8	2,521.01	8	2,242.94	8	1,964.88	8	1,686.81
1/4		1/4		1/4		1/4	3,349.41	1/4	3,071.34	1/4	2,793.28	1/4	2,515.21	1/4	2,237.15	1/4	1,959.09	1/4	1,681.02
1/2		1/2		1/2		1/2	3,343.62	1/2	3,065.55	1/2	2,787.49	1/2	2,509.42	1/2	2,231.36	1/2	1,953.29	1/2	1,675.23
3/4		3/4		3/4		3/4	3,337.82	3/4	3,059.76	3/4	2,781.70	3/4	2,503.63	3/4	2,225.57	3/4	1,947.50	3/4	1,669.43
9		9		9		9	3,332.03	9	3,053.96	9	2,775.90	9	2,497.83	9	2,219.77	9	1,941.70	9	1,663.64
1/4		1/4		1/4		1/4	3,326.23	1/4	3,048.17	1/4	2,770.11	1/4	2,492.04	1/4	2,213.98	1/4	1,935.91	1/4	1,657.85
1/2		1/2		1/2		1/2	3,320.44	1/2	3,042.38	1/2	2,764.32	1/2	2,486.25	1/2	2,208.19	1/2	1,930.12	1/2	1,652.06
3/4		3/4		3/4		3/4	3,314.66	3/4	3,036.59	3/4	2,758.52	3/4	2,480.46	3/4	2,202.40	3/4	1,924.32	3/4	1,646.26
10		10		10		10	3,308.87	10	3,030.79	10	2,752.73	10	2,474.66	10	2,196.60	10	1,918.53	10	1,640.47
1/4		1/4		1/4		1/4	3,303.08	1/4	3,025.00	1/4	2,746.93	1/4	2,468.87	1/4	2,190.81	1/4	1,912.74	1/4	1,634.68
1/2		1/2		1/2		1/2	3,297.28	1/2	3,019.21	1/2	2,741.14	1/2	2,463.08	1/2	2,185.01	1/2	1,906.95	1/2	1,628.89
3/4		3/4		3/4		3/4	3,291.49	3/4	3,013.42	3/4	2,735.35	3/4	2,457.29	3/4	2,179.22	3/4	1,901.15	3/4	1,623.09
11		11		11		11	3,285.69	11	3,007.62	11	2,729.55	11	2,451.49	11	2,173.42	11	1,895.36	11	1,617.30
1/4		1/4		1/4		1/4	3,279.89	1/4	3,001.83	1/4	2,723.76	1/4	2,445.70	1/4	2,167.63	1/4	1,889.57	1/4	1,611.51
1/2		1/2		1/2		1/2	3,274.10	1/2	2,996.04	1/2	2,717.97	1/2	2,439.91	1/2	2,161.84	1/2	1,883.78	1/2	1,605.71
3/4		3/4		3/4		3/4	3,268.31	3/4	2,990.24	3/4	2,712.18	3/4	2,434.12	3/4	2,156.04	3/4	1,877.98	3/4	1,599.92

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 11'-00" OFF CENTERLINE AND 34'-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 3070"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,594.12	0	1,316.06	0	1,038.18	0	762.12	0	484.44	0	207.56	0		0		0		0	
1/4	1,588.33	1/4	1,310.27	1/4	1,032.43	1/4	756.34	1/4	478.66	1/4	201.97	1/4		1/4		1/4		1/4	
1/2	1,582.54	1/2	1,304.48	1/2	1,026.68	1/2	750.55	1/2	472.90	1/2	196.38	1/2		1/2		1/2		1/2	
3/4	1,576.74	3/4	1,298.68	3/4	1,020.93	3/4	744.77	3/4	467.14	3/4	190.79	3/4		3/4		3/4		3/4	
1	1,570.95	1	1,292.89	1	1,015.19	1	738.98	1	461.38	1	185.21	1		1		1		1	
1/4	1,565.16	1/4	1,287.10	1/4	1,009.44	1/4	733.20	1/4	455.62	1/4	179.62	1/4		1/4		1/4		1/4	
1/2	1,559.37	1/2	1,281.31	1/2	1,003.69	1/2	727.41	1/2	449.81	1/2	174.03	1/2		1/2		1/2		1/2	
3/4	1,553.57	3/4	1,275.51	3/4	997.94	3/4	721.63	3/4	444.00	3/4	168.44	3/4		3/4		3/4		3/4	
2	1,547.78	2	1,269.72	2	992.20	2	715.84	2	438.19	2	162.85	2		2		2		2	
1/4	1,541.99	1/4	1,263.93	1/4	986.45	1/4	710.06	1/4	432.38	1/4	157.26	1/4		1/4		1/4		1/4	
1/2	1,536.20	1/2	1,258.13	1/2	980.70	1/2	704.27	1/2	426.59	1/2	151.67	1/2		1/2		1/2		1/2	
3/4	1,530.40	3/4	1,252.34	3/4	974.95	3/4	698.49	3/4	420.81	3/4	146.08	3/4		3/4		3/4		3/4	
3	1,524.61	3	1,246.54	3	969.21	3	692.70	3	415.02	3	140.50	3		3		3		3	
1/4	1,518.82	1/4	1,240.75	1/4	963.46	1/4	686.92	1/4	409.24	1/4	134.91	1/4		1/4		1/4		1/4	
1/2	1,513.03	1/2	1,234.96	1/2	957.71	1/2	681.13	1/2	403.45	1/2	129.35	1/2		1/2		1/2		1/2	
3/4	1,507.23	3/4	1,229.16	3/4	951.96	3/4	675.35	3/4	397.67	3/4	123.79	3/4		3/4		3/4		3/4	
4	1,501.44	4	1,223.37	4	946.21	4	669.56	4	391.88	4	118.24	4		4		4		4	
1/4	1,495.65	1/4	1,217.58	1/4	940.46	1/4	663.78	1/4	386.10	1/4	112.68	1/4		1/4		1/4		1/4	
1/2	1,489.85	1/2	1,211.79	1/2	934.71	1/2	657.99	1/2	380.31	1/2	107.01	1/2		1/2		1/2		1/2	
3/4	1,484.06	3/4	1,205.99	3/4	928.96	3/4	652.21	3/4	374.53	3/4	101.34	3/4		3/4		3/4		3/4	
5	1,478.26	5	1,200.20	5	923.22	5	646.42	5	368.74	5	95.68	5		5		5		5	
1/4	1,472.47	1/4	1,194.41	1/4	917.47	1/4	640.64	1/4	362.96	1/4	90.01	1/4		1/4		1/4		1/4	
1/2	1,466.68	1/2	1,188.62	1/2	911.72	1/2	634.85	1/2	357.17	1/2	84.22	1/2		1/2		1/2		1/2	
3/4	1,460.88	3/4	1,182.82	3/4	905.97	3/4	629.07	3/4	351.39	3/4	78.44	3/4		3/4		3/4		3/4	
6	1,455.09	6	1,177.03	6	900.23	6	623.28	6	345.60	6	72.65	6		6		6		6	
1/4	1,449.30	1/4	1,171.24	1/4	894.48	1/4	617.50	1/4	339.82	1/4	66.87	1/4		1/4		1/4		1/4	
1/2	1,443.51	1/2	1,165.45	1/2	888.73	1/2	611.71	1/2	334.03	1/2	61.08	1/2		1/2		1/2		1/2	
3/4	1,437.71	3/4	1,159.65	3/4	882.98	3/4	605.93	3/4	328.25	3/4	55.30	3/4		3/4		3/4		3/4	
7	1,431.92	7	1,153.86	7	877.24	7	600.14	7	322.46	7	49.51	7		7		7		7	
1/4	1,426.13	1/4	1,148.07	1/4	871.49	1/4	594.36	1/4	316.68	1/4	43.73	1/4		1/4		1/4		1/4	
1/2	1,420.34	1/2	1,142.27	1/2	865.74	1/2	588.57	1/2	310.89	1/2	38.86	1/2		1/2		1/2		1/2	
3/4	1,414.54	3/4	1,136.48	3/4	859.99	3/4	582.79	3/4	305.11	3/4	33.99	3/4		3/4		3/4		3/4	
8	1,408.75	8	1,130.68	8	854.25	8	577.00	8	299.32	8	29.13	8		8		8		8	
1/4	1,402.96	1/4	1,124.89	1/4	848.50	1/4	571.22	1/4	293.54	1/4	24.26	1/4		1/4		1/4		1/4	
1/2	1,397.17	1/2	1,119.10	1/2	842.77	1/2	565.43	1/2	287.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,391.37	3/4	1,113.30	3/4	837.05	3/4	559.65	3/4	281.97	3/4		3/4		3/4		3/4		3/4	
9	1,385.58	9	1,107.51	9	831.32	9	553.86	9	276.18	9		9		9		9		9	
1/4	1,379.79	1/4	1,101.72	1/4	825.60	1/4	548.08	1/4	270.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,373.99	1/2	1,095.95	1/2	819.83	1/2	542.29	1/2	264.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,368.20	3/4	1,090.18	3/4	814.05	3/4	536.51	3/4	258.83	3/4		3/4		3/4		3/4		3/4	
10	1,362.40	10	1,084.42	10	808.28	10	530.72	10	253.04	10		10		10		10		10	
1/4	1,356.61	1/4	1,078.65	1/4	802.51	1/4	524.94	1/4	247.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,350.82	1/2	1,072.84	1/2	796.75	1/2	519.15	1/2	241.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,345.02	3/4	1,067.03	3/4	790.99	3/4	513.37	3/4	235.79	3/4		3/4		3/4		3/4		3/4	
11	1,339.23	11	1,061.23	11	785.24	11	507.58	11	230.05	11		11		11		11		11	
1/4	1,333.44	1/4	1,055.42	1/4	779.48	1/4	501.80	1/4	224.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,327.65	1/2	1,049.67	1/2	773.69	1/2	496.01	1/2	218.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,321.85	3/4	1,043.92	3/4	767.91	3/4	490.23	3/4	213.14	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED:03/19/2009 INSP.
RECALCULATED:06/20/2019
REPRINTED: 06/20/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2019

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



BARGE "HTCO 3070"

4 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	3,302.51	0	3,147.55	0	2,964.33	0	2,692.65	0	2,416.22	0	2,139.79	0	1,863.36
1/4		1/4		1/4		1/4	3,301.08	1/4	3,143.90	1/4	2,959.30	1/4	2,686.87	1/4	2,410.46	1/4	2,134.03	1/4	1,857.60
1/2		1/2		1/2		1/2	3,299.66	1/2	3,140.25	1/2	2,954.27	1/2	2,681.09	1/2	2,404.70	1/2	2,128.27	1/2	1,851.84
3/4		3/4		3/4		3/4	3,298.23	3/4	3,136.59	3/4	2,949.25	3/4	2,675.31	3/4	2,398.95	3/4	2,122.51	3/4	1,846.08
1		1		1		1	3,296.80	1	3,132.94	1	2,944.22	1	2,669.53	1	2,393.19	1	2,116.75	1	1,840.32
1/4		1/4		1/4		1/4	3,294.74	1/4	3,129.29	1/4	2,938.83	1/4	2,663.79	1/4	2,387.43	1/4	2,110.99	1/4	1,834.56
1/2		1/2		1/2		1/2	3,292.68	1/2	3,125.63	1/2	2,933.43	1/2	2,658.05	1/2	2,381.67	1/2	2,105.23	1/2	1,828.80
3/4		3/4		3/4		3/4	3,290.61	3/4	3,121.98	3/4	2,928.04	3/4	2,652.32	3/4	2,375.91	3/4	2,099.48	3/4	1,823.05
2		2		2		2	3,288.55	2	3,118.33	2	2,922.65	2	2,646.58	2	2,370.15	2	2,093.72	2	1,817.29
1/4		1/4		1/4		1/4	3,285.85	1/4	3,114.68	1/4	2,916.98	1/4	2,640.82	1/4	2,364.39	1/4	2,087.96	1/4	1,811.53
1/2		1/2		1/2		1/2	3,283.16	1/2	3,111.03	1/2	2,911.31	1/2	2,635.06	1/2	2,358.63	1/2	2,082.20	1/2	1,805.77
3/4		3/4		3/4		3/4	3,280.46	3/4	3,107.38	3/4	2,905.65	3/4	2,629.31	3/4	2,352.87	3/4	2,076.44	3/4	1,800.02
3		3		3		3	3,277.76	3	3,103.73	3	2,899.98	3	2,623.55	3	2,347.11	3	2,070.68	3	1,794.26
1/4		1/4		1/4		1/4	3,274.42	1/4	3,100.08	1/4	2,894.22	1/4	2,617.79	1/4	2,341.35	1/4	2,064.92	1/4	1,788.50
1/2		1/2		1/2		1/2	3,271.09	1/2	3,096.42	1/2	2,888.46	1/2	2,612.03	1/2	2,335.59	1/2	2,059.16	1/2	1,782.73
3/4		3/4		3/4		3/4	3,267.75	3/4	3,092.77	3/4	2,882.70	3/4	2,606.27	3/4	2,329.84	3/4	2,053.41	3/4	1,776.97
4		4		4		4	3,264.41	4	3,089.12	4	2,876.94	4	2,600.51	4	2,324.08	4	2,047.65	4	1,771.21
1/4		1/4		1/4		1/4	3,260.76	1/4	3,085.47	1/4	2,871.18	1/4	2,594.75	1/4	2,318.32	1/4	2,041.89	1/4	1,765.45
1/2		1/2		1/2		1/2	3,257.11	1/2	3,081.81	1/2	2,865.42	1/2	2,588.99	1/2	2,312.56	1/2	2,036.13	1/2	1,759.69
3/4		3/4		3/4		3/4	3,253.46	3/4	3,078.16	3/4	2,859.67	3/4	2,583.23	3/4	2,306.80	3/4	2,030.37	3/4	1,753.94
5		5		5		5	3,249.81	5	3,074.51	5	2,853.91	5	2,577.47	5	2,301.04	5	2,024.61	5	1,748.18
1/4		1/4		1/4		1/4	3,246.16	1/4	3,070.86	1/4	2,848.15	1/4	2,571.71	1/4	2,295.28	1/4	2,018.85	1/4	1,742.42
1/2		1/2		1/2		1/2	3,242.51	1/2	3,067.20	1/2	2,842.39	1/2	2,565.95	1/2	2,289.52	1/2	2,013.09	1/2	1,736.66
3/4		3/4		3/4		3/4	3,238.85	3/4	3,063.55	3/4	2,836.63	3/4	2,560.20	3/4	2,283.77	3/4	2,007.33	3/4	1,730.90
6		6		6		6	3,235.20	6	3,059.90	6	2,830.87	6	2,554.44	6	2,278.01	6	2,001.57	6	1,725.14
1/4		1/4		1/4		1/4	3,231.55	1/4	3,056.25	1/4	2,825.11	1/4	2,548.68	1/4	2,272.25	1/4	1,995.81	1/4	1,719.38
1/2		1/2		1/2		1/2	3,227.90	1/2	3,052.59	1/2	2,819.35	1/2	2,542.92	1/2	2,266.49	1/2	1,990.05	1/2	1,713.62
3/4		3/4		3/4		3/4	3,224.24	3/4	3,048.94	3/4	2,813.59	3/4	2,537.16	3/4	2,260.73	3/4	1,984.30	3/4	1,707.87
7		7		7		7	3,220.59	7	3,045.29	7	2,807.83	7	2,531.40	7	2,254.97	7	1,978.54	7	1,702.11
1/4		1/4		1/4		1/4	3,216.94	1/4	3,041.64	1/4	2,802.07	1/4	2,525.64	1/4	2,249.21	1/4	1,972.78	1/4	1,696.35
1/2		1/2		1/2		1/2	3,213.29	1/2	3,037.99	1/2	2,796.31	1/2	2,519.88	1/2	2,243.45	1/2	1,967.02	1/2	1,690.59
3/4		3/4		3/4		3/4	3,209.63	3/4	3,034.34	3/4	2,790.56	3/4	2,514.13	3/4	2,237.69	3/4	1,961.26	3/4	1,684.83
8		8		8		8	3,205.98	8	3,030.69	8	2,784.80	8	2,508.37	8	2,231.93	8	1,955.50	8	1,679.07
1/4		1/4		1/4		1/4	3,202.33	1/4	3,027.00	1/4	2,779.04	1/4	2,502.61	1/4	2,226.17	1/4	1,949.74	1/4	1,673.31
1/2		1/2		1/2		1/2	3,198.68	1/2	3,023.31	1/2	2,773.28	1/2	2,496.85	1/2	2,220.41	1/2	1,943.98	1/2	1,667.55
3/4		3/4		3/4		3/4	3,195.02	3/4	3,019.63	3/4	2,767.52	3/4	2,491.09	3/4	2,214.66	3/4	1,938.23	3/4	1,661.79
9		9		9		9	3,191.37	9	3,015.94	9	2,761.76	9	2,485.33	9	2,208.90	9	1,932.47	9	1,656.03
1/4		1/4		1/4		1/4	3,187.72	1/4	3,011.99	1/4	2,756.00	1/4	2,479.57	1/4	2,203.14	1/4	1,926.71	1/4	1,650.27
1/2		1/2		1/2		1/2	3,184.07	1/2	3,008.04	1/2	2,750.24	1/2	2,473.81	1/2	2,197.38	1/2	1,920.95	1/2	1,644.51
3/4		3/4		3/4		3/4	3,180.42	3/4	3,004.09	3/4	2,744.49	3/4	2,468.05	3/4	2,191.62	3/4	1,915.19	3/4	1,638.76
10		10		10		10	3,176.77	10	3,000.14	10	2,738.73	10	2,462.29	10	2,185.86	10	1,909.43	10	1,633.00
1/4		1/4		1/4		1/4	3,173.12	1/4	2,995.85	1/4	2,732.97	1/4	2,456.53	1/4	2,180.10	1/4	1,903.67	1/4	1,627.24
1/2		1/2		1/2		1/2	3,169.47	1/2	2,991.55	1/2	2,727.21	1/2	2,450.77	1/2	2,174.34	1/2	1,897.91	1/2	1,621.48
3/4		3/4		3/4		3/4	3,165.81	3/4	2,987.26	3/4	2,721.45	3/4	2,445.02	3/4	2,168.59	3/4	1,892.15	3/4	1,615.72
11		11		11		11	3,162.16	11	2,982.97	11	2,715.69	11	2,439.26	11	2,162.83	11	1,886.39	11	1,609.96
1/4		1/4		1/4		1/4	3,158.51	1/4	2,978.31	1/4	2,709.93	1/4	2,433.50	1/4	2,157.07	1/4	1,880.63	1/4	1,604.20
1/2		1/2		1/2		1/2	3,154.86	1/2	2,973.65	1/2	2,704.17	1/2	2,427.74	1/2	2,151.31	1/2	1,874.87	1/2	1,598.44
3/4		3/4		3/4		3/4	3,151.20	3/4	2,968.99	3/4	2,698.41	3/4	2,421.98	3/4	2,145.55	3/4	1,869.12	3/4	1,592.69

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 11'-00" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3070"

4 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 15'-08"

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	1,586.93	0	1,310.49	0	1,034.06	0	757.63	0	481.20	0	204.77	0		0		0		0	
1/4	1,581.17	1/4	1,304.73	1/4	1,028.30	1/4	751.87	1/4	475.44	1/4	199.01	1/4		1/4		1/4		1/4	
1/2	1,575.41	1/2	1,298.97	1/2	1,022.54	1/2	746.11	1/2	469.68	1/2	193.25	1/2		1/2		1/2		1/2	
3/4	1,569.65	3/4	1,293.22	3/4	1,016.79	3/4	740.35	3/4	463.92	3/4	187.49	3/4		3/4		3/4		3/4	
1	1,563.89	1	1,287.46	1	1,011.03	1	734.59	1	458.16	1	181.73	1		1		1		1	
1/4	1,558.13	1/4	1,281.70	1/4	1,005.27	1/4	728.83	1/4	452.40	1/4	175.97	1/4		1/4		1/4		1/4	
1/2	1,552.37	1/2	1,275.94	1/2	999.51	1/2	723.07	1/2	446.64	1/2	170.21	1/2		1/2		1/2		1/2	
3/4	1,546.61	3/4	1,270.18	3/4	993.75	3/4	717.32	3/4	440.89	3/4	164.45	3/4		3/4		3/4		3/4	
2	1,540.85	2	1,264.42	2	987.99	2	711.56	2	435.13	2	158.69	2		2		2		2	
1/4	1,535.09	1/4	1,258.66	1/4	982.23	1/4	705.80	1/4	429.37	1/4	152.93	1/4		1/4		1/4		1/4	
1/2	1,529.33	1/2	1,252.90	1/2	976.47	1/2	700.04	1/2	423.61	1/2	147.17	1/2		1/2		1/2		1/2	
3/4	1,523.58	3/4	1,247.15	3/4	970.71	3/4	694.28	3/4	417.85	3/4	141.42	3/4		3/4		3/4		3/4	
3	1,517.82	3	1,241.39	3	964.95	3	688.52	3	412.09	3	135.66	3		3		3		3	
1/4	1,512.06	1/4	1,235.63	1/4	959.19	1/4	682.76	1/4	406.33	1/4	129.90	1/4		1/4		1/4		1/4	
1/2	1,506.30	1/2	1,229.87	1/2	953.43	1/2	677.00	1/2	400.57	1/2	124.14	1/2		1/2		1/2		1/2	
3/4	1,500.54	3/4	1,224.11	3/4	947.68	3/4	671.25	3/4	394.81	3/4	118.38	3/4		3/4		3/4		3/4	
4	1,494.78	4	1,218.35	4	941.92	4	665.49	4	389.05	4	112.62	4		4		4		4	
1/4	1,489.02	1/4	1,212.59	1/4	936.16	1/4	659.73	1/4	383.29	1/4	106.86	1/4		1/4		1/4		1/4	
1/2	1,483.26	1/2	1,206.83	1/2	930.40	1/2	653.97	1/2	377.53	1/2	101.10	1/2		1/2		1/2		1/2	
3/4	1,477.51	3/4	1,201.07	3/4	924.64	3/4	648.21	3/4	371.78	3/4	95.35	3/4		3/4		3/4		3/4	
5	1,471.75	5	1,195.31	5	918.88	5	642.45	5	366.02	5	89.59	5		5		5		5	
1/4	1,465.99	1/4	1,189.55	1/4	913.12	1/4	636.69	1/4	360.26	1/4	83.83	1/4		1/4		1/4		1/4	
1/2	1,460.23	1/2	1,183.79	1/2	907.36	1/2	630.93	1/2	354.50	1/2	78.07	1/2		1/2		1/2		1/2	
3/4	1,454.47	3/4	1,178.04	3/4	901.61	3/4	625.17	3/4	348.74	3/4	72.31	3/4		3/4		3/4		3/4	
6	1,448.71	6	1,172.28	6	895.85	6	619.41	6	342.98	6	66.55	6		6		6		6	
1/4	1,442.95	1/4	1,166.52	1/4	890.09	1/4	613.65	1/4	337.22	1/4	60.79	1/4		1/4		1/4		1/4	
1/2	1,437.19	1/2	1,160.76	1/2	884.33	1/2	607.89	1/2	331.46	1/2	55.03	1/2		1/2		1/2		1/2	
3/4	1,431.43	3/4	1,155.00	3/4	878.57	3/4	602.14	3/4	325.71	3/4	49.27	3/4		3/4		3/4		3/4	
7	1,425.67	7	1,149.24	7	872.81	7	596.38	7	319.95	7	43.51	7		7		7		7	
1/4	1,419.91	1/4	1,143.48	1/4	867.05	1/4	590.62	1/4	314.19	1/4	38.66	1/4		1/4		1/4		1/4	
1/2	1,414.15	1/2	1,137.72	1/2	861.29	1/2	584.86	1/2	308.43	1/2	33.82	1/2		1/2		1/2		1/2	
3/4	1,408.40	3/4	1,131.97	3/4	855.53	3/4	579.10	3/4	302.67	3/4	28.97	3/4		3/4		3/4		3/4	
8	1,402.64	8	1,126.21	8	849.77	8	573.34	8	296.91	8	24.13	8		8		8		8	
1/4	1,396.88	1/4	1,120.45	1/4	844.01	1/4	567.58	1/4	291.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,391.12	1/2	1,114.69	1/2	838.25	1/2	561.82	1/2	285.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,385.36	3/4	1,108.93	3/4	832.50	3/4	556.07	3/4	279.63	3/4		3/4		3/4		3/4		3/4	
9	1,379.60	9	1,103.17	9	826.74	9	550.31	9	273.87	9		9		9		9		9	
1/4	1,373.84	1/4	1,097.41	1/4	820.98	1/4	544.55	1/4	268.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,368.08	1/2	1,091.65	1/2	815.22	1/2	538.79	1/2	262.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,362.33	3/4	1,085.89	3/4	809.46	3/4	533.03	3/4	256.60	3/4		3/4		3/4		3/4		3/4	
10	1,356.57	10	1,080.13	10	803.70	10	527.27	10	250.84	10		10		10		10		10	
1/4	1,350.81	1/4	1,074.37	1/4	797.94	1/4	521.51	1/4	245.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,345.05	1/2	1,068.61	1/2	792.18	1/2	515.75	1/2	239.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,339.29	3/4	1,062.86	3/4	786.43	3/4	509.99	3/4	233.56	3/4		3/4		3/4		3/4		3/4	
11	1,333.53	11	1,057.10	11	780.67	11	504.23	11	227.80	11		11		11		11		11	
1/4	1,327.77	1/4	1,051.34	1/4	774.91	1/4	498.47	1/4	222.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,322.01	1/2	1,045.58	1/2	769.15	1/2	492.71	1/2	216.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,316.25	3/4	1,039.82	3/4	763.39	3/4	486.96	3/4	210.53	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED:03/19/2009 INSP.
RECALCULATED:06/20/2019
REPRINTED: 06/20/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2019

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



BARGE "HTCO 3070"

4 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-07 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	3,301.08	0	3,143.90	0	2,959.30	0	2,686.87	0	2,410.46	0	2,134.03	0	1,857.60
1/4		1/4		1/4		1/4	3,299.66	1/4	3,140.25	1/4	2,954.27	1/4	2,681.09	1/4	2,404.70	1/4	2,128.27	1/4	1,851.84
1/2		1/2		1/2		1/2	3,298.23	1/2	3,136.59	1/2	2,949.25	1/2	2,675.31	1/2	2,398.95	1/2	2,122.51	1/2	1,846.08
3/4		3/4		3/4		3/4	3,296.80	3/4	3,132.94	3/4	2,944.22	3/4	2,669.53	3/4	2,393.19	3/4	2,116.75	3/4	1,840.32
1		1		1		1	3,294.74	1	3,129.29	1	2,938.83	1	2,663.79	1	2,387.43	1	2,110.99	1	1,834.56
1/4		1/4		1/4		1/4	3,292.68	1/4	3,125.63	1/4	2,933.43	1/4	2,658.05	1/4	2,381.67	1/4	2,105.23	1/4	1,828.80
1/2		1/2		1/2		1/2	3,290.61	1/2	3,121.98	1/2	2,928.04	1/2	2,652.32	1/2	2,375.91	1/2	2,099.48	1/2	1,823.05
3/4		3/4		3/4		3/4	3,288.55	3/4	3,118.33	3/4	2,922.65	3/4	2,646.58	3/4	2,370.15	3/4	2,093.72	3/4	1,817.29
2		2		2		2	3,285.85	2	3,114.68	2	2,916.98	2	2,640.82	2	2,364.39	2	2,087.96	2	1,811.53
1/4		1/4		1/4		1/4	3,283.16	1/4	3,111.03	1/4	2,911.31	1/4	2,635.06	1/4	2,358.63	1/4	2,082.20	1/4	1,805.77
1/2		1/2		1/2		1/2	3,280.46	1/2	3,107.38	1/2	2,905.65	1/2	2,629.31	1/2	2,352.87	1/2	2,076.44	1/2	1,800.02
3/4		3/4		3/4		3/4	3,277.76	3/4	3,103.73	3/4	2,899.98	3/4	2,623.55	3/4	2,347.11	3/4	2,070.68	3/4	1,794.26
3		3		3		3	3,274.42	3	3,100.08	3	2,894.22	3	2,617.79	3	2,341.35	3	2,064.92	3	1,788.50
1/4		1/4		1/4		1/4	3,271.09	1/4	3,096.42	1/4	2,888.46	1/4	2,612.03	1/4	2,335.59	1/4	2,059.16	1/4	1,782.73
1/2		1/2		1/2		1/2	3,267.75	1/2	3,092.77	1/2	2,882.70	1/2	2,606.27	1/2	2,329.84	1/2	2,053.41	1/2	1,776.97
3/4		3/4		3/4		3/4	3,264.41	3/4	3,089.12	3/4	2,876.94	3/4	2,600.51	3/4	2,324.08	3/4	2,047.65	3/4	1,771.21
4		4		4		4	3,260.76	4	3,085.47	4	2,871.18	4	2,594.75	4	2,318.32	4	2,041.89	4	1,765.45
1/4		1/4		1/4		1/4	3,257.11	1/4	3,081.81	1/4	2,865.42	1/4	2,588.99	1/4	2,312.56	1/4	2,036.13	1/4	1,759.69
1/2		1/2		1/2		1/2	3,253.46	1/2	3,078.16	1/2	2,859.67	1/2	2,583.23	1/2	2,306.80	1/2	2,030.37	1/2	1,753.94
3/4		3/4		3/4		3/4	3,249.81	3/4	3,074.51	3/4	2,853.91	3/4	2,577.47	3/4	2,301.04	3/4	2,024.61	3/4	1,748.18
5		5		5		5	3,246.16	5	3,070.86	5	2,848.15	5	2,571.71	5	2,295.28	5	2,018.85	5	1,742.42
1/4		1/4		1/4		1/4	3,242.51	1/4	3,067.20	1/4	2,842.39	1/4	2,565.95	1/4	2,289.52	1/4	2,013.09	1/4	1,736.66
1/2		1/2		1/2		1/2	3,238.85	1/2	3,063.55	1/2	2,836.63	1/2	2,560.20	1/2	2,283.77	1/2	2,007.33	1/2	1,730.90
3/4		3/4		3/4		3/4	3,235.20	3/4	3,059.90	3/4	2,830.87	3/4	2,554.44	3/4	2,278.01	3/4	2,001.57	3/4	1,725.14
6		6		6		6	3,231.55	6	3,056.25	6	2,825.11	6	2,548.68	6	2,272.25	6	1,995.81	6	1,719.38
1/4		1/4		1/4		1/4	3,227.90	1/4	3,052.59	1/4	2,819.35	1/4	2,542.92	1/4	2,266.49	1/4	1,990.05	1/4	1,713.62
1/2		1/2		1/2		1/2	3,224.24	1/2	3,048.94	1/2	2,813.59	1/2	2,537.16	1/2	2,260.73	1/2	1,984.30	1/2	1,707.87
3/4		3/4		3/4		3/4	3,220.59	3/4	3,045.29	3/4	2,807.83	3/4	2,531.40	3/4	2,254.97	3/4	1,978.54	3/4	1,702.11
7		7		7		7	3,216.94	7	3,041.64	7	2,802.07	7	2,525.64	7	2,249.21	7	1,972.78	7	1,696.35
1/4		1/4		1/4		1/4	3,213.29	1/4	3,037.99	1/4	2,796.31	1/4	2,519.88	1/4	2,243.45	1/4	1,967.02	1/4	1,690.59
1/2		1/2		1/2		1/2	3,209.63	1/2	3,034.34	1/2	2,790.56	1/2	2,514.13	1/2	2,237.69	1/2	1,961.26	1/2	1,684.83
3/4		3/4		3/4		3/4	3,205.98	3/4	3,030.69	3/4	2,784.80	3/4	2,508.37	3/4	2,231.93	3/4	1,955.50	3/4	1,679.07
8		8		8		8	3,202.33	8	3,027.00	8	2,779.04	8	2,502.61	8	2,226.17	8	1,949.74	8	1,673.31
1/4		1/4		1/4		1/4	3,198.68	1/4	3,023.31	1/4	2,773.28	1/4	2,496.85	1/4	2,220.41	1/4	1,943.98	1/4	1,667.55
1/2		1/2		1/2		1/2	3,195.02	1/2	3,019.63	1/2	2,767.52	1/2	2,491.09	1/2	2,214.66	1/2	1,938.23	1/2	1,661.79
3/4		3/4		3/4		3/4	3,191.37	3/4	3,015.94	3/4	2,761.76	3/4	2,485.33	3/4	2,208.90	3/4	1,932.47	3/4	1,656.03
9		9		9		9	3,187.72	9	3,011.99	9	2,756.00	9	2,479.57	9	2,203.14	9	1,926.71	9	1,650.27
1/4		1/4		1/4		1/4	3,184.07	1/4	3,008.04	1/4	2,750.24	1/4	2,473.81	1/4	2,197.38	1/4	1,920.95	1/4	1,644.51
1/2		1/2		1/2		1/2	3,180.42	1/2	3,004.09	1/2	2,744.49	1/2	2,468.05	1/2	2,191.62	1/2	1,915.19	1/2	1,638.76
3/4		3/4		3/4		3/4	3,176.77	3/4	3,000.14	3/4	2,738.73	3/4	2,462.29	3/4	2,185.86	3/4	1,909.43	3/4	1,633.00
10		10		10		10	3,173.12	10	2,995.85	10	2,732.97	10	2,456.53	10	2,180.10	10	1,903.67	10	1,627.24
1/4		1/4		1/4		1/4	3,169.47	1/4	2,991.55	1/4	2,727.21	1/4	2,450.77	1/4	2,174.34	1/4	1,897.91	1/4	1,621.48
1/2		1/2		1/2		1/2	3,165.81	1/2	2,987.26	1/2	2,721.45	1/2	2,445.02	1/2	2,168.59	1/2	1,892.15	1/2	1,615.72
3/4		3/4		3/4		3/4	3,162.16	3/4	2,982.97	3/4	2,715.69	3/4	2,439.26	3/4	2,162.83	3/4	1,886.39	3/4	1,609.96
11		11		11		11	3,158.51	11	2,978.31	11	2,709.93	11	2,433.50	11	2,157.07	11	1,880.63	11	1,604.20
1/4		1/4		1/4		1/4	3,154.86	1/4	2,973.65	1/4	2,704.17	1/4	2,427.74	1/4	2,151.31	1/4	1,874.87	1/4	1,598.44
1/2		1/2		1/2		1/2	3,151.20	1/2	2,968.99	1/2	2,698.41	1/2	2,421.98	1/2	2,145.55	1/2	1,869.12	1/2	1,592.69
3/4		3/4		3/4		3/4	3,302.51	3/4	3,147.55	3/4	2,964.33	3/4	2,692.65	3/4	2,416.22	3/4	2,139.79	3/4	1,586.93

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 11'-00" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3070"

4 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,581.17	0	1,304.73	0	1,028.30	0	751.87	0	475.44	0	199.01	0		0		0		0	
1/4	1,575.41	1/4	1,298.97	1/4	1,022.54	1/4	746.11	1/4	469.68	1/4	193.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,569.65	1/2	1,293.22	1/2	1,016.79	1/2	740.35	1/2	463.92	1/2	187.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,563.89	3/4	1,287.46	3/4	1,011.03	3/4	734.59	3/4	458.16	3/4	181.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,558.13	1	1,281.70	1	1,005.27	1	728.83	1	452.40	1	175.97	1	1	1	1	1	1	1	1
1/4	1,552.37	1/4	1,275.94	1/4	999.51	1/4	723.07	1/4	446.64	1/4	170.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,546.61	1/2	1,270.18	1/2	993.75	1/2	717.32	1/2	440.89	1/2	164.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,540.85	3/4	1,264.42	3/4	987.99	3/4	711.56	3/4	435.13	3/4	158.69	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,535.09	2	1,258.66	2	982.23	2	705.80	2	429.37	2	152.93	2	2	2	2	2	2	2	2
1/4	1,529.33	1/4	1,252.90	1/4	976.47	1/4	700.04	1/4	423.61	1/4	147.17	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,523.58	1/2	1,247.15	1/2	970.71	1/2	694.28	1/2	417.85	1/2	141.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,517.82	3/4	1,241.39	3/4	964.95	3/4	688.52	3/4	412.09	3/4	135.66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,512.06	3	1,235.63	3	959.19	3	682.76	3	406.33	3	129.90	3	3	3	3	3	3	3	3
1/4	1,506.30	1/4	1,229.87	1/4	953.43	1/4	677.00	1/4	400.57	1/4	124.14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,500.54	1/2	1,224.11	1/2	947.68	1/2	671.25	1/2	394.81	1/2	118.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,494.78	3/4	1,218.35	3/4	941.92	3/4	665.49	3/4	389.05	3/4	112.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,489.02	4	1,212.59	4	936.16	4	659.73	4	383.29	4	106.86	4	4	4	4	4	4	4	4
1/4	1,483.26	1/4	1,206.83	1/4	930.40	1/4	653.97	1/4	377.53	1/4	101.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,477.51	1/2	1,201.07	1/2	924.64	1/2	648.21	1/2	371.78	1/2	95.35	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,471.75	3/4	1,195.31	3/4	918.88	3/4	642.45	3/4	366.02	3/4	89.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,465.99	5	1,189.55	5	913.12	5	636.69	5	360.26	5	83.83	5	5	5	5	5	5	5	5
1/4	1,460.23	1/4	1,183.79	1/4	907.36	1/4	630.93	1/4	354.50	1/4	78.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,454.47	1/2	1,178.04	1/2	901.61	1/2	625.17	1/2	348.74	1/2	72.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,448.71	3/4	1,172.28	3/4	895.85	3/4	619.41	3/4	342.98	3/4	66.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,442.95	6	1,166.52	6	890.09	6	613.65	6	337.22	6	60.79	6	6	6	6	6	6	6	6
1/4	1,437.19	1/4	1,160.76	1/4	884.33	1/4	607.89	1/4	331.46	1/4	55.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,431.43	1/2	1,155.00	1/2	878.57	1/2	602.14	1/2	325.71	1/2	49.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,425.67	3/4	1,149.24	3/4	872.81	3/4	596.38	3/4	319.95	3/4	43.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,419.91	7	1,143.48	7	867.05	7	590.62	7	314.19	7	38.66	7	7	7	7	7	7	7	7
1/4	1,414.15	1/4	1,137.72	1/4	861.29	1/4	584.86	1/4	308.43	1/4	33.82	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,408.40	1/2	1,131.97	1/2	855.53	1/2	579.10	1/2	302.67	1/2	28.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,402.64	3/4	1,126.21	3/4	849.77	3/4	573.34	3/4	296.91	3/4	24.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,396.88	8	1,120.45	8	844.01	8	567.58	8	291.15	8		8	8	8	8	8	8	8	8
1/4	1,391.12	1/4	1,114.69	1/4	838.25	1/4	561.82	1/4	285.39	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,385.36	1/2	1,108.93	1/2	832.50	1/2	556.07	1/2	279.63	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,379.60	3/4	1,103.17	3/4	826.74	3/4	550.31	3/4	273.87	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,373.84	9	1,097.41	9	820.98	9	544.55	9	268.11	9		9	9	9	9	9	9	9	9
1/4	1,368.08	1/4	1,091.65	1/4	815.22	1/4	538.79	1/4	262.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,362.33	1/2	1,085.89	1/2	809.46	1/2	533.03	1/2	256.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,356.57	3/4	1,080.13	3/4	803.70	3/4	527.27	3/4	250.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,350.81	10	1,074.37	10	797.94	10	521.51	10	245.08	10		10	10	10	10	10	10	10	10
1/4	1,345.05	1/4	1,068.61	1/4	792.18	1/4	515.75	1/4	239.32	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,339.29	1/2	1,062.86	1/2	786.43	1/2	509.99	1/2	233.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,333.53	3/4	1,057.10	3/4	780.67	3/4	504.23	3/4	227.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,327.77	11	1,051.34	11	774.91	11	498.47	11	222.04	11		11	11	11	11	11	11	11	11
1/4	1,322.01	1/4	1,045.58	1/4	769.15	1/4	492.71	1/4	216.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,316.25	1/2	1,039.82	1/2	763.39	1/2	486.96	1/2	210.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,310.49	3/4	1,034.06	3/4	757.63	3/4	481.20	3/4	204.77	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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REPRINTED: 06/20/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2019

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