



BARGE "HTCO 3071"

ULLAGE TRIM TABLE HERMETIC

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-3/8	- 01-3/8
1 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-3/8	- 01-3/8
2 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
2 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
3 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
3 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
4 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-3/8	- 02-3/8
4 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-3/8	- 02-3/8

(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 - 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

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

<http://www.pmacorp.net>



BARGE "HTCO 3071"

1 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-08 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	2,995.94	0	2,742.02	0	2,488.10	0	2,234.18	0	1,980.26	0	1,726.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,990.65	1/4	2,736.74	1/4	2,482.81	1/4	2,228.89	1/4	1,974.97	1/4	1,721.05		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,985.36	1/2	2,731.45	1/2	2,477.52	1/2	2,223.60	1/2	1,969.68	1/2	1,715.76		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,204.83	3/4	2,980.07	3/4	2,726.16	3/4	2,472.23	3/4	2,218.31	3/4	1,964.39	3/4	1,710.47
1	1	1	1	1	1	1	3,202.75	1	2,974.78	1	2,720.87	1	2,466.94	1	2,213.02	1	1,959.10	1	1,705.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,200.67	1/4	2,969.49	1/4	2,715.58	1/4	2,461.65	1/4	2,207.73	1/4	1,953.81	1/4	1,699.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,198.59	1/2	2,964.20	1/2	2,710.28	1/2	2,456.36	1/2	2,202.44	1/2	1,948.52	1/2	1,694.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,196.51	3/4	2,958.91	3/4	2,704.99	3/4	2,451.07	3/4	2,197.15	3/4	1,943.23	3/4	1,689.31
2	2	2	2	2	2	2	3,193.51	2	2,953.62	2	2,699.70	2	2,445.78	2	2,191.86	2	1,937.94	2	1,684.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,190.50	1/4	2,948.34	1/4	2,694.41	1/4	2,440.49	1/4	2,186.57	1/4	1,932.65	1/4	1,678.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,187.50	1/2	2,943.05	1/2	2,689.12	1/2	2,435.20	1/2	2,181.28	1/2	1,927.36	1/2	1,673.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,184.49	3/4	2,937.76	3/4	2,683.83	3/4	2,429.91	3/4	2,175.99	3/4	1,922.07	3/4	1,668.15
3	3	3	3	3	3	3	3,180.56	3	2,932.47	3	2,678.54	3	2,424.62	3	2,170.70	3	1,916.78	3	1,662.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,176.63	1/4	2,927.18	1/4	2,673.25	1/4	2,419.33	1/4	2,165.41	1/4	1,911.49	1/4	1,657.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,172.70	1/2	2,921.88	1/2	2,667.96	1/2	2,414.04	1/2	2,160.12	1/2	1,906.20	1/2	1,652.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,168.77	3/4	2,916.59	3/4	2,662.67	3/4	2,408.75	3/4	2,154.83	3/4	1,900.91	3/4	1,646.99
4	4	4	4	4	4	4	3,163.92	4	2,911.30	4	2,657.38	4	2,403.46	4	2,149.54	4	1,895.62	4	1,641.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,159.06	1/4	2,906.01	1/4	2,652.09	1/4	2,398.17	1/4	2,144.25	1/4	1,890.33	1/4	1,636.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,154.21	1/2	2,900.72	1/2	2,646.80	1/2	2,392.88	1/2	2,138.96	1/2	1,885.04	1/2	1,631.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,149.35	3/4	2,895.43	3/4	2,641.51	3/4	2,387.59	3/4	2,133.67	3/4	1,879.75	3/4	1,625.83
5	5	5	5	5	5	5	3,144.06	5	2,890.14	5	2,636.22	5	2,382.30	5	2,128.38	5	1,874.46	5	1,620.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,138.77	1/4	2,884.85	1/4	2,630.93	1/4	2,377.01	1/4	2,123.09	1/4	1,869.17	1/4	1,615.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,133.48	1/2	2,879.56	1/2	2,625.64	1/2	2,371.72	1/2	2,117.80	1/2	1,863.88	1/2	1,609.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,128.19	3/4	2,874.27	3/4	2,620.35	3/4	2,366.43	3/4	2,112.51	3/4	1,858.59	3/4	1,604.67
6	6	6	6	6	6	6	3,122.90	6	2,868.98	6	2,615.06	6	2,361.14	6	2,107.22	6	1,853.30	6	1,599.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,117.61	1/4	2,863.69	1/4	2,609.77	1/4	2,355.85	1/4	2,101.93	1/4	1,848.01	1/4	1,594.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,112.32	1/2	2,858.40	1/2	2,604.48	1/2	2,350.56	1/2	2,096.64	1/2	1,842.72	1/2	1,588.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,107.03	3/4	2,853.11	3/4	2,599.19	3/4	2,345.27	3/4	2,091.35	3/4	1,837.43	3/4	1,583.51
7	7	7	7	7	7	7	3,101.74	7	2,847.82	7	2,593.90	7	2,339.98	7	2,086.06	7	1,832.14	7	1,578.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,096.45	1/4	2,842.53	1/4	2,588.61	1/4	2,334.69	1/4	2,080.77	1/4	1,826.85	1/4	1,572.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,091.16	1/2	2,837.24	1/2	2,583.32	1/2	2,329.40	1/2	2,075.48	1/2	1,821.56	1/2	1,567.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,085.87	3/4	2,831.95	3/4	2,578.03	3/4	2,324.11	3/4	2,070.19	3/4	1,816.27	3/4	1,562.35
8	8	8	8	8	8	8	3,080.58	8	2,826.66	8	2,572.74	8	2,318.82	8	2,064.90	8	1,810.98	8	1,557.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,075.29	1/4	2,821.37	1/4	2,567.45	1/4	2,313.53	1/4	2,059.61	1/4	1,805.69	1/4	1,551.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,070.00	1/2	2,816.08	1/2	2,562.16	1/2	2,308.24	1/2	2,054.32	1/2	1,800.40	1/2	1,546.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,064.71	3/4	2,810.79	3/4	2,556.87	3/4	2,302.95	3/4	2,049.03	3/4	1,795.11	3/4	1,541.19
9	9	9	9	9	9	9	3,059.42	9	2,805.50	9	2,551.58	9	2,297.66	9	2,043.74	9	1,789.82	9	1,535.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,054.13	1/4	2,800.21	1/4	2,546.29	1/4	2,292.37	1/4	2,038.45	1/4	1,784.53	1/4	1,530.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,048.84	1/2	2,794.92	1/2	2,541.00	1/2	2,287.08	1/2	2,033.16	1/2	1,779.24	1/2	1,525.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,043.55	3/4	2,789.63	3/4	2,535.71	3/4	2,281.79	3/4	2,027.87	3/4	1,773.95	3/4	1,520.03
10	10	10	10	10	10	10	3,038.26	10	2,784.34	10	2,530.42	10	2,276.50	10	2,022.58	10	1,768.66	10	1,514.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,032.97	1/4	2,779.05	1/4	2,525.13	1/4	2,271.21	1/4	2,017.29	1/4	1,763.37	1/4	1,509.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,027.68	1/2	2,773.76	1/2	2,519.84	1/2	2,265.92	1/2	2,012.00	1/2	1,758.08	1/2	1,504.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,022.39	3/4	2,768.47	3/4	2,514.55	3/4	2,260.63	3/4	2,006.71	3/4	1,752.79	3/4	1,498.87
11	11	11	11	11	11	11	3,017.10	11	2,763.18	11	2,509.26	11	2,255.34	11	2,001.42	11	1,747.50	11	1,493.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,011.81	1/4	2,757.89	1/4	2,503.97	1/4	2,250.05	1/4	1,996.13	1/4	1,742.21	1/4	1,488.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,006.52	1/2	2,752.60	1/2	2,498.68	1/2	2,244.76	1/2	1,990.84	1/2	1,736.92	1/2	1,483.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,001.23	3/4	2,747.31	3/4	2,493.39	3/4	2,239.47	3/4	1,985.55	3/4	1,731.63	3/4	1,477.71

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 39'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HTCO 3071"

1 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-08 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	1,472.42	0	1,218.50	0	964.60	0	711.00	0	455.83	0	201.25	0		0		0		0	
1/4	1,467.13	1/4	1,213.21	1/4	959.32	1/4	705.68	1/4	450.51	1/4	196.04	1/4		1/4		1/4		1/4	
1/2	1,461.84	1/2	1,207.92	1/2	954.03	1/2	700.37	1/2	445.20	1/2	190.83	1/2		1/2		1/2		1/2	
3/4	1,456.55	3/4	1,202.63	3/4	948.75	3/4	695.05	3/4	439.88	3/4	185.62	3/4		3/4		3/4		3/4	
1	1,451.26	1	1,197.34	1	943.47	1	689.73	1	434.57	1	180.49	1		1		1		1	
1/4	1,445.97	1/4	1,192.05	1/4	938.19	1/4	684.42	1/4	429.25	1/4	175.35	1/4		1/4		1/4		1/4	
1/2	1,440.68	1/2	1,186.76	1/2	932.91	1/2	679.10	1/2	423.94	1/2	170.22	1/2		1/2		1/2		1/2	
3/4	1,435.39	3/4	1,181.47	3/4	927.63	3/4	673.78	3/4	418.62	3/4	165.08	3/4		3/4		3/4		3/4	
2	1,430.10	2	1,176.18	2	922.35	2	668.47	2	413.30	2	159.95	2		2		2		2	
1/4	1,424.81	1/4	1,170.89	1/4	917.07	1/4	663.15	1/4	407.99	1/4	154.81	1/4		1/4		1/4		1/4	
1/2	1,419.52	1/2	1,165.60	1/2	911.78	1/2	657.84	1/2	402.67	1/2	149.68	1/2		1/2		1/2		1/2	
3/4	1,414.23	3/4	1,160.31	3/4	906.50	3/4	652.52	3/4	397.35	3/4	144.54	3/4		3/4		3/4		3/4	
3	1,408.94	3	1,155.02	3	901.22	3	647.21	3	392.04	3	139.41	3		3		3		3	
1/4	1,403.65	1/4	1,149.73	1/4	895.94	1/4	641.89	1/4	386.72	1/4	134.27	1/4		1/4		1/4		1/4	
1/2	1,398.36	1/2	1,144.44	1/2	890.65	1/2	636.58	1/2	381.41	1/2	129.14	1/2		1/2		1/2		1/2	
3/4	1,393.07	3/4	1,139.15	3/4	885.37	3/4	631.26	3/4	376.09	3/4	124.00	3/4		3/4		3/4		3/4	
4	1,387.78	4	1,133.86	4	880.09	4	625.94	4	370.77	4	118.87	4		4		4		4	
1/4	1,382.49	1/4	1,128.57	1/4	874.81	1/4	620.63	1/4	365.46	1/4	113.73	1/4		1/4		1/4		1/4	
1/2	1,377.20	1/2	1,123.28	1/2	869.52	1/2	615.31	1/2	360.14	1/2	108.60	1/2		1/2		1/2		1/2	
3/4	1,371.91	3/4	1,117.99	3/4	864.24	3/4	609.99	3/4	354.82	3/4	103.46	3/4		3/4		3/4		3/4	
5	1,366.62	5	1,112.70	5	858.96	5	604.68	5	349.51	5	98.28	5		5		5		5	
1/4	1,361.33	1/4	1,107.41	1/4	853.68	1/4	599.36	1/4	344.19	1/4	93.10	1/4		1/4		1/4		1/4	
1/2	1,356.03	1/2	1,102.12	1/2	848.39	1/2	594.05	1/2	338.88	1/2	87.92	1/2		1/2		1/2		1/2	
3/4	1,350.74	3/4	1,096.83	3/4	843.11	3/4	588.73	3/4	333.56	3/4	82.74	3/4		3/4		3/4		3/4	
6	1,345.45	6	1,091.54	6	837.83	6	583.41	6	328.25	6	77.42	6		6		6		6	
1/4	1,340.17	1/4	1,086.25	1/4	832.55	1/4	578.10	1/4	322.93	1/4	72.11	1/4		1/4		1/4		1/4	
1/2	1,334.88	1/2	1,080.96	1/2	827.27	1/2	572.78	1/2	317.62	1/2	66.79	1/2		1/2		1/2		1/2	
3/4	1,329.59	3/4	1,075.67	3/4	821.99	3/4	567.46	3/4	312.30	3/4	61.47	3/4		3/4		3/4		3/4	
7	1,324.30	7	1,070.38	7	816.71	7	562.15	7	306.98	7	56.16	7		7		7		7	
1/4	1,319.01	1/4	1,065.09	1/4	811.43	1/4	556.83	1/4	301.67	1/4	50.84	1/4		1/4		1/4		1/4	
1/2	1,313.72	1/2	1,059.80	1/2	806.14	1/2	551.52	1/2	296.35	1/2	45.53	1/2		1/2		1/2		1/2	
3/4	1,308.43	3/4	1,054.51	3/4	800.86	3/4	546.20	3/4	291.03	3/4	40.21	3/4		3/4		3/4		3/4	
8	1,303.14	8	1,049.22	8	795.58	8	540.89	8	285.72	8	35.74	8		8		8		8	
1/4	1,297.85	1/4	1,043.93	1/4	790.30	1/4	535.57	1/4	280.40	1/4	31.26	1/4		1/4		1/4		1/4	
1/2	1,292.56	1/2	1,038.64	1/2	785.01	1/2	530.26	1/2	275.09	1/2	26.79	1/2		1/2		1/2		1/2	
3/4	1,287.27	3/4	1,033.35	3/4	779.73	3/4	524.94	3/4	269.77	3/4	22.31	3/4		3/4		3/4		3/4	
9	1,281.98	9	1,028.06	9	774.45	9	519.62	9	264.45	9		9		9		9		9	
1/4	1,276.69	1/4	1,022.77	1/4	769.17	1/4	514.31	1/4	259.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,271.40	1/2	1,017.48	1/2	763.88	1/2	508.99	1/2	253.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,266.11	3/4	1,012.19	3/4	758.60	3/4	503.67	3/4	248.50	3/4		3/4		3/4		3/4		3/4	
10	1,260.82	10	1,006.90	10	753.32	10	498.36	10	243.19	10		10		10		10		10	
1/4	1,255.53	1/4	1,001.61	1/4	748.04	1/4	493.04	1/4	237.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,250.24	1/2	996.32	1/2	742.75	1/2	487.73	1/2	232.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,244.95	3/4	991.03	3/4	737.47	3/4	482.41	3/4	227.24	3/4		3/4		3/4		3/4		3/4	
11	1,239.66	11	985.74	11	732.18	11	477.09	11	222.05	11		11		11		11		11	
1/4	1,234.37	1/4	980.46	1/4	726.89	1/4	471.78	1/4	216.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,229.08	1/2	975.17	1/2	721.60	1/2	466.46	1/2	211.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,223.79	3/4	969.88	3/4	716.31	3/4	461.14	3/4	206.46	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED:03/19/2009 INSP.
RECALCULATED:03/29/2019 SW
REPRINTED: 04/03/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

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



BARGE "HTCO 3071"

1 STBD ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-08 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	2,995.94	0	2,742.02	0	2,488.10	0	2,234.18	0	1,980.26	0	1,726.34
1/4		1/4		1/4		1/4		1/4	2,990.65	1/4	2,736.74	1/4	2,482.81	1/4	2,228.89	1/4	1,974.97	1/4	1,721.05
1/2		1/2		1/2		1/2		1/2	2,985.36	1/2	2,731.45	1/2	2,477.52	1/2	2,223.60	1/2	1,969.58	1/2	1,715.76
3/4		3/4		3/4		3/4		3/4	3,204.83	3/4	2,980.07	3/4	2,726.16	3/4	2,472.23	3/4	2,218.31	3/4	1,964.39
1		1		1		1		1	3,202.75	1	2,974.78	1	2,720.87	1	2,466.94	1	2,213.02	1	1,959.10
1/4		1/4		1/4		1/4		1/4	3,200.67	1/4	2,969.49	1/4	2,715.58	1/4	2,461.65	1/4	2,207.73	1/4	1,953.81
1/2		1/2		1/2		1/2		1/2	3,198.59	1/2	2,964.20	1/2	2,710.28	1/2	2,456.36	1/2	2,202.44	1/2	1,948.52
3/4		3/4		3/4		3/4		3/4	3,196.51	3/4	2,958.91	3/4	2,704.99	3/4	2,451.07	3/4	2,197.15	3/4	1,943.23
2		2		2		2		2	3,193.51	2	2,953.62	2	2,699.70	2	2,445.78	2	2,191.86	2	1,937.94
1/4		1/4		1/4		1/4		1/4	3,190.50	1/4	2,948.34	1/4	2,694.41	1/4	2,440.49	1/4	2,186.57	1/4	1,932.65
1/2		1/2		1/2		1/2		1/2	3,187.50	1/2	2,943.05	1/2	2,689.12	1/2	2,435.20	1/2	2,181.28	1/2	1,927.36
3/4		3/4		3/4		3/4		3/4	3,184.49	3/4	2,937.76	3/4	2,683.83	3/4	2,429.91	3/4	2,175.99	3/4	1,922.07
3		3		3		3		3	3,180.56	3	2,932.47	3	2,678.54	3	2,424.62	3	2,170.70	3	1,916.78
1/4		1/4		1/4		1/4		1/4	3,176.63	1/4	2,927.18	1/4	2,673.25	1/4	2,419.33	1/4	2,165.41	1/4	1,911.49
1/2		1/2		1/2		1/2		1/2	3,172.70	1/2	2,921.88	1/2	2,667.96	1/2	2,414.04	1/2	2,160.12	1/2	1,906.20
3/4		3/4		3/4		3/4		3/4	3,168.77	3/4	2,916.59	3/4	2,662.67	3/4	2,408.75	3/4	2,154.83	3/4	1,900.91
4		4		4		4		4	3,163.92	4	2,911.30	4	2,657.38	4	2,403.46	4	2,149.54	4	1,895.62
1/4		1/4		1/4		1/4		1/4	3,159.06	1/4	2,906.01	1/4	2,652.09	1/4	2,398.17	1/4	2,144.25	1/4	1,890.33
1/2		1/2		1/2		1/2		1/2	3,154.21	1/2	2,900.72	1/2	2,646.80	1/2	2,392.88	1/2	2,138.96	1/2	1,885.04
3/4		3/4		3/4		3/4		3/4	3,149.35	3/4	2,895.43	3/4	2,641.51	3/4	2,387.59	3/4	2,133.67	3/4	1,879.75
5		5		5		5		5	3,144.06	5	2,890.14	5	2,636.22	5	2,382.30	5	2,128.38	5	1,874.46
1/4		1/4		1/4		1/4		1/4	3,138.77	1/4	2,884.85	1/4	2,630.93	1/4	2,377.01	1/4	2,123.09	1/4	1,869.17
1/2		1/2		1/2		1/2		1/2	3,133.48	1/2	2,879.56	1/2	2,625.64	1/2	2,371.72	1/2	2,117.80	1/2	1,863.88
3/4		3/4		3/4		3/4		3/4	3,128.19	3/4	2,874.27	3/4	2,620.35	3/4	2,366.43	3/4	2,112.51	3/4	1,858.59
6		6		6		6		6	3,122.90	6	2,868.98	6	2,615.06	6	2,361.14	6	2,107.22	6	1,853.30
1/4		1/4		1/4		1/4		1/4	3,117.61	1/4	2,863.69	1/4	2,609.77	1/4	2,355.85	1/4	2,101.93	1/4	1,848.01
1/2		1/2		1/2		1/2		1/2	3,112.32	1/2	2,858.40	1/2	2,604.48	1/2	2,350.56	1/2	2,096.64	1/2	1,842.72
3/4		3/4		3/4		3/4		3/4	3,107.03	3/4	2,853.11	3/4	2,599.19	3/4	2,345.27	3/4	2,091.35	3/4	1,837.43
7		7		7		7		7	3,101.74	7	2,847.82	7	2,593.90	7	2,339.98	7	2,086.06	7	1,832.14
1/4		1/4		1/4		1/4		1/4	3,096.45	1/4	2,842.53	1/4	2,588.61	1/4	2,334.69	1/4	2,080.77	1/4	1,826.85
1/2		1/2		1/2		1/2		1/2	3,091.16	1/2	2,837.24	1/2	2,583.32	1/2	2,329.40	1/2	2,075.48	1/2	1,821.56
3/4		3/4		3/4		3/4		3/4	3,085.87	3/4	2,831.95	3/4	2,578.03	3/4	2,324.11	3/4	2,070.19	3/4	1,816.27
8		8		8		8		8	3,080.58	8	2,826.66	8	2,572.74	8	2,318.82	8	2,064.90	8	1,810.98
1/4		1/4		1/4		1/4		1/4	3,075.29	1/4	2,821.37	1/4	2,567.45	1/4	2,313.53	1/4	2,059.61	1/4	1,805.69
1/2		1/2		1/2		1/2		1/2	3,070.00	1/2	2,816.08	1/2	2,562.16	1/2	2,308.24	1/2	2,054.32	1/2	1,800.40
3/4		3/4		3/4		3/4		3/4	3,064.71	3/4	2,810.79	3/4	2,556.87	3/4	2,302.95	3/4	2,049.03	3/4	1,795.11
9		9		9		9		9	3,059.42	9	2,805.50	9	2,551.58	9	2,297.66	9	2,043.74	9	1,789.82
1/4		1/4		1/4		1/4		1/4	3,054.13	1/4	2,800.21	1/4	2,546.29	1/4	2,292.37	1/4	2,038.45	1/4	1,784.53
1/2		1/2		1/2		1/2		1/2	3,048.84	1/2	2,794.92	1/2	2,541.00	1/2	2,287.08	1/2	2,033.16	1/2	1,779.24
3/4		3/4		3/4		3/4		3/4	3,043.55	3/4	2,789.63	3/4	2,535.71	3/4	2,281.79	3/4	2,027.87	3/4	1,773.95
10		10		10		10		10	3,038.26	10	2,784.34	10	2,530.42	10	2,276.50	10	2,022.58	10	1,768.66
1/4		1/4		1/4		1/4		1/4	3,032.97	1/4	2,779.05	1/4	2,525.13	1/4	2,271.21	1/4	2,017.29	1/4	1,763.37
1/2		1/2		1/2		1/2		1/2	3,027.68	1/2	2,773.76	1/2	2,519.84	1/2	2,265.92	1/2	2,012.00	1/2	1,758.08
3/4		3/4		3/4		3/4		3/4	3,022.39	3/4	2,768.47	3/4	2,514.55	3/4	2,260.63	3/4	2,006.71	3/4	1,752.79
11		11		11		11		11	3,017.10	11	2,763.18	11	2,509.26	11	2,255.34	11	2,001.42	11	1,747.50
1/4		1/4		1/4		1/4		1/4	3,011.81	1/4	2,757.89	1/4	2,503.97	1/4	2,250.05	1/4	1,996.13	1/4	1,742.21
1/2		1/2		1/2		1/2		1/2	3,006.52	1/2	2,752.60	1/2	2,498.68	1/2	2,244.76	1/2	1,990.84	1/2	1,736.92
3/4		3/4		3/4		3/4		3/4	3,001.23	3/4	2,747.31	3/4	2,493.39	3/4	2,239.47	3/4	1,985.55	3/4	1,731.63

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 39'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "HTCO 3071"

1 STBD ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-08 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	1,472.42	0	1,218.50	0	964.60	0	711.00	0	455.83	0	201.25	0		0		0		0	
1/4	1,467.13	1/4	1,213.21	1/4	959.32	1/4	705.68	1/4	450.51	1/4	196.04	1/4		1/4		1/4		1/4	
1/2	1,461.84	1/2	1,207.92	1/2	954.03	1/2	700.37	1/2	445.20	1/2	190.83	1/2		1/2		1/2		1/2	
3/4	1,456.55	3/4	1,202.63	3/4	948.75	3/4	695.05	3/4	439.88	3/4	185.62	3/4		3/4		3/4		3/4	
1	1,451.26	1	1,197.34	1	943.47	1	689.73	1	434.57	1	180.49	1		1		1		1	
1/4	1,445.97	1/4	1,192.05	1/4	938.19	1/4	684.42	1/4	429.25	1/4	175.35	1/4		1/4		1/4		1/4	
1/2	1,440.68	1/2	1,186.76	1/2	932.91	1/2	679.10	1/2	423.94	1/2	170.22	1/2		1/2		1/2		1/2	
3/4	1,435.39	3/4	1,181.47	3/4	927.63	3/4	673.78	3/4	418.62	3/4	165.08	3/4		3/4		3/4		3/4	
2	1,430.10	2	1,176.18	2	922.35	2	668.47	2	413.30	2	159.95	2		2		2		2	
1/4	1,424.81	1/4	1,170.89	1/4	917.07	1/4	663.15	1/4	407.99	1/4	154.81	1/4		1/4		1/4		1/4	
1/2	1,419.52	1/2	1,165.60	1/2	911.78	1/2	657.84	1/2	402.67	1/2	149.68	1/2		1/2		1/2		1/2	
3/4	1,414.23	3/4	1,160.31	3/4	906.50	3/4	652.52	3/4	397.35	3/4	144.54	3/4		3/4		3/4		3/4	
3	1,408.94	3	1,155.02	3	901.22	3	647.21	3	392.04	3	139.41	3		3		3		3	
1/4	1,403.65	1/4	1,149.73	1/4	895.94	1/4	641.89	1/4	386.72	1/4	134.27	1/4		1/4		1/4		1/4	
1/2	1,398.36	1/2	1,144.44	1/2	890.65	1/2	636.58	1/2	381.41	1/2	129.14	1/2		1/2		1/2		1/2	
3/4	1,393.07	3/4	1,139.15	3/4	885.37	3/4	631.26	3/4	376.09	3/4	124.00	3/4		3/4		3/4		3/4	
4	1,387.78	4	1,133.86	4	880.09	4	625.94	4	370.77	4	118.87	4		4		4		4	
1/4	1,382.49	1/4	1,128.57	1/4	874.81	1/4	620.63	1/4	365.46	1/4	113.73	1/4		1/4		1/4		1/4	
1/2	1,377.20	1/2	1,123.28	1/2	869.52	1/2	615.31	1/2	360.14	1/2	108.60	1/2		1/2		1/2		1/2	
3/4	1,371.91	3/4	1,117.99	3/4	864.24	3/4	609.99	3/4	354.82	3/4	103.46	3/4		3/4		3/4		3/4	
5	1,366.62	5	1,112.70	5	858.96	5	604.68	5	349.51	5	98.28	5		5		5		5	
1/4	1,361.33	1/4	1,107.41	1/4	853.68	1/4	599.36	1/4	344.19	1/4	93.10	1/4		1/4		1/4		1/4	
1/2	1,356.03	1/2	1,102.12	1/2	848.39	1/2	594.05	1/2	338.88	1/2	87.92	1/2		1/2		1/2		1/2	
3/4	1,350.74	3/4	1,096.83	3/4	843.11	3/4	588.73	3/4	333.56	3/4	82.74	3/4		3/4		3/4		3/4	
6	1,345.45	6	1,091.54	6	837.83	6	583.41	6	328.25	6	77.42	6		6		6		6	
1/4	1,340.17	1/4	1,086.25	1/4	832.55	1/4	578.10	1/4	322.93	1/4	72.11	1/4		1/4		1/4		1/4	
1/2	1,334.88	1/2	1,080.96	1/2	827.27	1/2	572.78	1/2	317.62	1/2	66.79	1/2		1/2		1/2		1/2	
3/4	1,329.59	3/4	1,075.67	3/4	821.99	3/4	567.46	3/4	312.30	3/4	61.47	3/4		3/4		3/4		3/4	
7	1,324.30	7	1,070.38	7	816.71	7	562.15	7	306.98	7	56.16	7		7		7		7	
1/4	1,319.01	1/4	1,065.09	1/4	811.43	1/4	556.83	1/4	301.67	1/4	50.84	1/4		1/4		1/4		1/4	
1/2	1,313.72	1/2	1,059.80	1/2	806.14	1/2	551.52	1/2	296.35	1/2	45.53	1/2		1/2		1/2		1/2	
3/4	1,308.43	3/4	1,054.51	3/4	800.86	3/4	546.20	3/4	291.03	3/4	40.21	3/4		3/4		3/4		3/4	
8	1,303.14	8	1,049.22	8	795.58	8	540.89	8	285.72	8	35.74	8		8		8		8	
1/4	1,297.85	1/4	1,043.93	1/4	790.30	1/4	535.57	1/4	280.40	1/4	31.26	1/4		1/4		1/4		1/4	
1/2	1,292.56	1/2	1,038.64	1/2	785.01	1/2	530.26	1/2	275.09	1/2	26.79	1/2		1/2		1/2		1/2	
3/4	1,287.27	3/4	1,033.35	3/4	779.73	3/4	524.94	3/4	269.77	3/4	22.31	3/4		3/4		3/4		3/4	
9	1,281.98	9	1,028.06	9	774.45	9	519.62	9	264.45	9		9		9		9		9	
1/4	1,276.69	1/4	1,022.77	1/4	769.17	1/4	514.31	1/4	259.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,271.40	1/2	1,017.48	1/2	763.88	1/2	508.99	1/2	253.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,266.11	3/4	1,012.19	3/4	758.60	3/4	503.67	3/4	248.50	3/4		3/4		3/4		3/4		3/4	
10	1,260.82	10	1,006.90	10	753.32	10	498.36	10	243.19	10		10		10		10		10	
1/4	1,255.53	1/4	1,001.61	1/4	748.04	1/4	493.04	1/4	237.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,250.24	1/2	996.32	1/2	742.75	1/2	487.73	1/2	232.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,244.95	3/4	991.03	3/4	737.47	3/4	482.41	3/4	227.24	3/4		3/4		3/4		3/4		3/4	
11	1,239.66	11	985.74	11	732.18	11	477.09	11	222.05	11		11		11		11		11	
1/4	1,234.37	1/4	980.46	1/4	726.89	1/4	471.78	1/4	216.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,229.08	1/2	975.17	1/2	721.60	1/2	466.46	1/2	211.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,223.79	3/4	969.88	3/4	716.31	3/4	461.14	3/4	206.46	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED:03/19/2009 INSP.
RECALCULATED:03/29/2019 SW
REPRINTED: 04/03/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

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



BARGE "HTCO 3071"

2 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	2,972.15	0	2,718.95	0	2,465.75	0	2,212.55	0	1,959.35	0	1,706.15
1/4		1/4		1/4		1/4		1/4	2,966.88	1/4	2,713.67	1/4	2,460.47	1/4	2,207.27	1/4	1,954.07	1/4	1,700.87
1/2		1/2		1/2		1/2		1/2	3,185.15	1/2	2,961.60	1/2	2,708.40	1/2	2,455.20	1/2	2,202.00	1/2	1,948.80
3/4		3/4		3/4		3/4		3/4	3,183.10	3/4	2,956.33	3/4	2,703.12	3/4	2,449.92	3/4	2,196.72	3/4	1,943.52
1		1		1		1		1	3,181.05	1	2,951.05	1	2,697.85	1	2,444.65	1	2,191.45	1	1,938.25
1/4		1/4		1/4		1/4		1/4	3,178.99	1/4	2,945.78	1/4	2,692.57	1/4	2,439.37	1/4	2,186.17	1/4	1,932.97
1/2		1/2		1/2		1/2		1/2	3,176.94	1/2	2,940.50	1/2	2,687.30	1/2	2,434.10	1/2	2,180.90	1/2	1,927.70
3/4		3/4		3/4		3/4		3/4	3,173.97	3/4	2,935.23	3/4	2,682.02	3/4	2,428.82	3/4	2,175.62	3/4	1,922.42
2		2		2		2		2	3,171.01	2	2,929.95	2	2,676.75	2	2,423.55	2	2,170.35	2	1,917.15
1/4		1/4		1/4		1/4		1/4	3,168.04	1/4	2,924.68	1/4	2,671.47	1/4	2,418.27	1/4	2,165.07	1/4	1,911.87
1/2		1/2		1/2		1/2		1/2	3,165.07	1/2	2,919.40	1/2	2,666.20	1/2	2,413.00	1/2	2,159.80	1/2	1,906.60
3/4		3/4		3/4		3/4		3/4	3,161.19	3/4	2,914.13	3/4	2,660.92	3/4	2,407.72	3/4	2,154.52	3/4	1,901.32
3		3		3		3		3	3,157.32	3	2,908.85	3	2,655.65	3	2,402.45	3	2,149.25	3	1,896.05
1/4		1/4		1/4		1/4		1/4	3,153.44	1/4	2,903.58	1/4	2,650.37	1/4	2,397.17	1/4	2,143.97	1/4	1,890.77
1/2		1/2		1/2		1/2		1/2	3,149.56	1/2	2,898.30	1/2	2,645.10	1/2	2,391.90	1/2	2,138.70	1/2	1,885.50
3/4		3/4		3/4		3/4		3/4	3,144.77	3/4	2,893.03	3/4	2,639.82	3/4	2,386.62	3/4	2,133.42	3/4	1,880.22
4		4		4		4		4	3,139.98	4	2,887.75	4	2,634.55	4	2,381.35	4	2,128.15	4	1,874.95
1/4		1/4		1/4		1/4		1/4	3,135.19	1/4	2,882.48	1/4	2,629.27	1/4	2,376.07	1/4	2,122.87	1/4	1,869.67
1/2		1/2		1/2		1/2		1/2	3,130.40	1/2	2,877.20	1/2	2,624.00	1/2	2,370.80	1/2	2,117.60	1/2	1,864.40
3/4		3/4		3/4		3/4		3/4	3,125.13	3/4	2,871.93	3/4	2,618.72	3/4	2,365.52	3/4	2,112.32	3/4	1,859.12
5		5		5		5		5	3,119.85	5	2,866.65	5	2,613.45	5	2,360.25	5	2,107.05	5	1,853.85
1/4		1/4		1/4		1/4		1/4	3,114.58	1/4	2,861.38	1/4	2,608.17	1/4	2,354.97	1/4	2,101.77	1/4	1,848.57
1/2		1/2		1/2		1/2		1/2	3,109.30	1/2	2,856.10	1/2	2,602.90	1/2	2,349.70	1/2	2,096.50	1/2	1,843.30
3/4		3/4		3/4		3/4		3/4	3,104.03	3/4	2,850.83	3/4	2,597.62	3/4	2,344.42	3/4	2,091.22	3/4	1,838.02
6		6		6		6		6	3,098.75	6	2,845.55	6	2,592.35	6	2,339.15	6	2,085.95	6	1,832.75
1/4		1/4		1/4		1/4		1/4	3,093.48	1/4	2,840.28	1/4	2,587.07	1/4	2,333.87	1/4	2,080.67	1/4	1,827.47
1/2		1/2		1/2		1/2		1/2	3,088.20	1/2	2,835.00	1/2	2,581.80	1/2	2,328.60	1/2	2,075.40	1/2	1,822.20
3/4		3/4		3/4		3/4		3/4	3,082.93	3/4	2,829.72	3/4	2,576.52	3/4	2,323.32	3/4	2,070.12	3/4	1,816.92
7		7		7		7		7	3,077.65	7	2,824.45	7	2,571.25	7	2,318.05	7	2,064.85	7	1,811.65
1/4		1/4		1/4		1/4		1/4	3,072.38	1/4	2,819.17	1/4	2,565.97	1/4	2,312.77	1/4	2,059.57	1/4	1,806.37
1/2		1/2		1/2		1/2		1/2	3,067.10	1/2	2,813.90	1/2	2,560.70	1/2	2,307.50	1/2	2,054.30	1/2	1,801.10
3/4		3/4		3/4		3/4		3/4	3,061.83	3/4	2,808.62	3/4	2,555.42	3/4	2,302.22	3/4	2,049.02	3/4	1,795.82
8		8		8		8		8	3,056.55	8	2,803.35	8	2,550.15	8	2,296.95	8	2,043.75	8	1,790.55
1/4		1/4		1/4		1/4		1/4	3,051.28	1/4	2,798.07	1/4	2,544.87	1/4	2,291.67	1/4	2,038.47	1/4	1,785.27
1/2		1/2		1/2		1/2		1/2	3,046.00	1/2	2,792.80	1/2	2,539.60	1/2	2,286.40	1/2	2,033.20	1/2	1,780.00
3/4		3/4		3/4		3/4		3/4	3,040.73	3/4	2,787.52	3/4	2,534.32	3/4	2,281.12	3/4	2,027.92	3/4	1,774.72
9		9		9		9		9	3,035.45	9	2,782.25	9	2,529.05	9	2,275.85	9	2,022.65	9	1,769.45
1/4		1/4		1/4		1/4		1/4	3,030.18	1/4	2,776.97	1/4	2,523.77	1/4	2,270.57	1/4	2,017.37	1/4	1,764.17
1/2		1/2		1/2		1/2		1/2	3,024.90	1/2	2,771.70	1/2	2,518.50	1/2	2,265.30	1/2	2,012.10	1/2	1,758.90
3/4		3/4		3/4		3/4		3/4	3,019.63	3/4	2,766.42	3/4	2,513.22	3/4	2,260.02	3/4	2,006.82	3/4	1,753.62
10		10		10		10		10	3,014.35	10	2,761.15	10	2,507.95	10	2,254.75	10	2,001.55	10	1,748.35
1/4		1/4		1/4		1/4		1/4	3,009.08	1/4	2,755.87	1/4	2,502.67	1/4	2,249.47	1/4	1,996.27	1/4	1,743.07
1/2		1/2		1/2		1/2		1/2	3,003.80	1/2	2,750.60	1/2	2,497.40	1/2	2,244.20	1/2	1,991.00	1/2	1,737.80
3/4		3/4		3/4		3/4		3/4	2,998.53	3/4	2,745.32	3/4	2,492.12	3/4	2,238.92	3/4	1,985.72	3/4	1,732.52
11		11		11		11		11	2,993.25	11	2,740.05	11	2,486.85	11	2,233.65	11	1,980.45	11	1,727.25
1/4		1/4		1/4		1/4		1/4	2,987.98	1/4	2,734.77	1/4	2,481.57	1/4	2,228.37	1/4	1,975.17	1/4	1,721.97
1/2		1/2		1/2		1/2		1/2	2,982.70	1/2	2,729.50	1/2	2,476.30	1/2	2,223.10	1/2	1,969.90	1/2	1,716.70
3/4		3/4		3/4		3/4		3/4	2,977.43	3/4	2,724.22	3/4	2,471.02	3/4	2,217.82	3/4	1,964.62	3/4	1,711.42

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 39'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "HTCO 3071"

2 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-08 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	1,452.95	0	1,199.75	0	946.73	0	696.41	0	444.60	0	193.33	0		0		0		0	
1/4	1,447.67	1/4	1,194.47	1/4	941.52	1/4	691.16	1/4	439.36	1/4	188.26	1/4		1/4		1/4		1/4	
1/2	1,442.40	1/2	1,189.20	1/2	936.31	1/2	685.92	1/2	434.11	1/2	183.19	1/2		1/2		1/2		1/2	
3/4	1,437.12	3/4	1,183.92	3/4	931.10	3/4	680.67	3/4	428.86	3/4	178.12	3/4		3/4		3/4		3/4	
1	1,431.85	1	1,178.65	1	925.88	1	675.42	1	423.62	1	173.05	1		1		1		1	
1/4	1,426.57	1/4	1,173.37	1/4	920.67	1/4	670.18	1/4	418.37	1/4	167.99	1/4		1/4		1/4		1/4	
1/2	1,421.30	1/2	1,168.10	1/2	915.46	1/2	664.93	1/2	413.13	1/2	162.92	1/2		1/2		1/2		1/2	
3/4	1,416.02	3/4	1,162.82	3/4	910.24	3/4	659.68	3/4	407.88	3/4	157.85	3/4		3/4		3/4		3/4	
2	1,410.75	2	1,157.55	2	905.03	2	654.44	2	402.63	2	152.78	2		2		2		2	
1/4	1,405.47	1/4	1,152.27	1/4	899.81	1/4	649.19	1/4	397.39	1/4	147.72	1/4		1/4		1/4		1/4	
1/2	1,400.20	1/2	1,147.00	1/2	894.60	1/2	643.95	1/2	392.14	1/2	142.65	1/2		1/2		1/2		1/2	
3/4	1,394.92	3/4	1,141.72	3/4	889.39	3/4	638.70	3/4	386.89	3/4	137.58	3/4		3/4		3/4		3/4	
3	1,389.65	3	1,136.45	3	884.17	3	633.46	3	381.65	3	132.51	3		3		3		3	
1/4	1,384.37	1/4	1,131.17	1/4	878.96	1/4	628.21	1/4	376.40	1/4	127.45	1/4		1/4		1/4		1/4	
1/2	1,379.10	1/2	1,125.90	1/2	873.75	1/2	622.97	1/2	371.16	1/2	122.38	1/2		1/2		1/2		1/2	
3/4	1,373.82	3/4	1,120.62	3/4	868.54	3/4	617.72	3/4	365.91	3/4	117.31	3/4		3/4		3/4		3/4	
4	1,368.55	4	1,115.35	4	863.32	4	612.47	4	360.67	4	112.24	4		4		4		4	
1/4	1,363.27	1/4	1,110.07	1/4	858.11	1/4	607.23	1/4	355.42	1/4	107.18	1/4		1/4		1/4		1/4	
1/2	1,358.00	1/2	1,104.80	1/2	852.90	1/2	601.98	1/2	350.18	1/2	102.11	1/2		1/2		1/2		1/2	
3/4	1,352.72	3/4	1,099.52	3/4	847.69	3/4	596.73	3/4	344.93	3/4	97.00	3/4		3/4		3/4		3/4	
5	1,347.45	5	1,094.25	5	842.47	5	591.49	5	339.68	5	91.88	5		5		5		5	
1/4	1,342.17	1/4	1,088.97	1/4	837.26	1/4	586.24	1/4	334.44	1/4	86.77	1/4		1/4		1/4		1/4	
1/2	1,336.90	1/2	1,083.70	1/2	832.05	1/2	581.00	1/2	329.19	1/2	81.66	1/2		1/2		1/2		1/2	
3/4	1,331.62	3/4	1,078.42	3/4	826.84	3/4	575.75	3/4	323.94	3/4	76.41	3/4		3/4		3/4		3/4	
6	1,326.35	6	1,073.15	6	821.62	6	570.50	6	318.70	6	71.16	6		6		6		6	
1/4	1,321.07	1/4	1,067.87	1/4	816.41	1/4	565.26	1/4	313.45	1/4	65.92	1/4		1/4		1/4		1/4	
1/2	1,315.80	1/2	1,062.60	1/2	811.20	1/2	560.01	1/2	308.21	1/2	60.67	1/2		1/2		1/2		1/2	
3/4	1,310.52	3/4	1,057.32	3/4	805.98	3/4	554.76	3/4	302.96	3/4	55.42	3/4		3/4		3/4		3/4	
7	1,305.25	7	1,052.05	7	800.77	7	549.52	7	297.71	7	50.18	7		7		7		7	
1/4	1,299.97	1/4	1,046.77	1/4	795.55	1/4	544.27	1/4	292.47	1/4	44.93	1/4		1/4		1/4		1/4	
1/2	1,294.70	1/2	1,041.50	1/2	790.34	1/2	539.03	1/2	287.22	1/2	39.69	1/2		1/2		1/2		1/2	
3/4	1,289.42	3/4	1,036.22	3/4	785.13	3/4	533.78	3/4	281.97	3/4	35.34	3/4		3/4		3/4		3/4	
8	1,284.15	8	1,030.95	8	779.91	8	528.54	8	276.73	8	30.99	8		8		8		8	
1/4	1,278.87	1/4	1,025.67	1/4	774.70	1/4	523.29	1/4	271.48	1/4	26.65	1/4		1/4		1/4		1/4	
1/2	1,273.60	1/2	1,020.40	1/2	769.49	1/2	518.05	1/2	266.24	1/2	22.30	1/2		1/2		1/2		1/2	
3/4	1,268.32	3/4	1,015.12	3/4	764.28	3/4	512.80	3/4	260.99	3/4		3/4		3/4		3/4		3/4	
9	1,263.05	9	1,009.85	9	759.06	9	507.55	9	255.75	9		9		9		9		9	
1/4	1,257.77	1/4	1,004.57	1/4	753.85	1/4	502.31	1/4	250.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,252.50	1/2	999.30	1/2	748.64	1/2	497.06	1/2	245.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,247.22	3/4	994.02	3/4	743.43	3/4	491.81	3/4	240.01	3/4		3/4		3/4		3/4		3/4	
10	1,241.95	10	988.75	10	738.21	10	486.57	10	234.76	10		10		10		10		10	
1/4	1,236.67	1/4	983.47	1/4	733.00	1/4	481.32	1/4	229.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,231.40	1/2	978.20	1/2	727.79	1/2	476.08	1/2	224.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,226.12	3/4	972.94	3/4	722.57	3/4	470.83	3/4	219.07	3/4		3/4		3/4		3/4		3/4	
11	1,220.85	11	967.68	11	717.34	11	465.59	11	213.87	11		11		11		11		11	
1/4	1,215.57	1/4	962.42	1/4	712.12	1/4	460.34	1/4	208.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,210.30	1/2	957.16	1/2	706.90	1/2	455.10	1/2	203.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,205.02	3/4	951.95	3/4	701.65	3/4	449.85	3/4	198.40	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED:03/19/2009 INSP.
RECALCULATED:03/29/2019 SW
REPRINTED: 04/03/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HTCO 3071"

2 STBD ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-08 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	2,977.43	0	2,724.22	0	2,471.02	0	2,217.82	0	1,964.62	0	1,711.42
1/4		1/4		1/4		1/4		1/4	2,972.15	1/4	2,718.95	1/4	2,465.75	1/4	2,212.55	1/4	1,959.35	1/4	1,706.15
1/2		1/2		1/2		1/2		1/2	2,966.88	1/2	2,713.67	1/2	2,460.47	1/2	2,207.27	1/2	1,954.07	1/2	1,700.87
3/4		3/4		3/4		3/4	3,185.15	3/4	2,961.60	3/4	2,708.40	3/4	2,455.20	3/4	2,202.00	3/4	1,948.80	3/4	1,695.60
1		1		1		1	3,183.10	1	2,956.33	1	2,703.12	1	2,449.92	1	2,196.72	1	1,943.52	1	1,690.32
1/4		1/4		1/4		1/4	3,181.05	1/4	2,951.05	1/4	2,697.85	1/4	2,444.65	1/4	2,191.45	1/4	1,938.25	1/4	1,685.05
1/2		1/2		1/2		1/2	3,178.99	1/2	2,945.78	1/2	2,692.57	1/2	2,439.37	1/2	2,186.17	1/2	1,932.97	1/2	1,679.77
3/4		3/4		3/4		3/4	3,176.94	3/4	2,940.50	3/4	2,687.30	3/4	2,434.10	3/4	2,180.90	3/4	1,927.70	3/4	1,674.50
2		2		2		2	3,173.97	2	2,935.23	2	2,682.02	2	2,428.82	2	2,175.62	2	1,922.42	2	1,669.22
1/4		1/4		1/4		1/4	3,171.01	1/4	2,929.95	1/4	2,676.75	1/4	2,423.55	1/4	2,170.35	1/4	1,917.15	1/4	1,663.95
1/2		1/2		1/2		1/2	3,168.04	1/2	2,924.68	1/2	2,671.47	1/2	2,418.27	1/2	2,165.07	1/2	1,911.87	1/2	1,658.67
3/4		3/4		3/4		3/4	3,165.07	3/4	2,919.40	3/4	2,666.20	3/4	2,413.00	3/4	2,159.80	3/4	1,906.60	3/4	1,653.40
3		3		3		3	3,161.19	3	2,914.13	3	2,660.92	3	2,407.72	3	2,154.52	3	1,901.32	3	1,648.12
1/4		1/4		1/4		1/4	3,157.32	1/4	2,908.85	1/4	2,655.65	1/4	2,402.45	1/4	2,149.25	1/4	1,896.05	1/4	1,642.85
1/2		1/2		1/2		1/2	3,153.44	1/2	2,903.58	1/2	2,650.37	1/2	2,397.17	1/2	2,143.97	1/2	1,890.77	1/2	1,637.57
3/4		3/4		3/4		3/4	3,149.56	3/4	2,898.30	3/4	2,645.10	3/4	2,391.90	3/4	2,138.70	3/4	1,885.50	3/4	1,632.30
4		4		4		4	3,144.77	4	2,893.03	4	2,639.82	4	2,386.62	4	2,133.42	4	1,880.22	4	1,627.02
1/4		1/4		1/4		1/4	3,139.98	1/4	2,887.75	1/4	2,634.55	1/4	2,381.35	1/4	2,128.15	1/4	1,874.95	1/4	1,621.75
1/2		1/2		1/2		1/2	3,135.19	1/2	2,882.48	1/2	2,629.27	1/2	2,376.07	1/2	2,122.87	1/2	1,869.67	1/2	1,616.47
3/4		3/4		3/4		3/4	3,130.40	3/4	2,877.20	3/4	2,624.00	3/4	2,370.80	3/4	2,117.60	3/4	1,864.40	3/4	1,611.20
5		5		5		5	3,125.13	5	2,871.93	5	2,618.72	5	2,365.52	5	2,112.32	5	1,859.12	5	1,605.92
1/4		1/4		1/4		1/4	3,119.85	1/4	2,866.65	1/4	2,613.45	1/4	2,360.25	1/4	2,107.05	1/4	1,853.85	1/4	1,600.65
1/2		1/2		1/2		1/2	3,114.58	1/2	2,861.38	1/2	2,608.17	1/2	2,354.97	1/2	2,101.77	1/2	1,848.57	1/2	1,595.37
3/4		3/4		3/4		3/4	3,109.30	3/4	2,856.10	3/4	2,602.90	3/4	2,349.70	3/4	2,096.50	3/4	1,843.30	3/4	1,590.10
6		6		6		6	3,104.03	6	2,850.83	6	2,597.62	6	2,344.42	6	2,091.22	6	1,838.02	6	1,584.82
1/4		1/4		1/4		1/4	3,098.75	1/4	2,845.55	1/4	2,592.35	1/4	2,339.15	1/4	2,085.95	1/4	1,832.75	1/4	1,579.55
1/2		1/2		1/2		1/2	3,093.48	1/2	2,840.28	1/2	2,587.07	1/2	2,333.87	1/2	2,080.67	1/2	1,827.47	1/2	1,574.27
3/4		3/4		3/4		3/4	3,088.20	3/4	2,835.00	3/4	2,581.80	3/4	2,328.60	3/4	2,075.40	3/4	1,822.20	3/4	1,569.00
7		7		7		7	3,082.93	7	2,829.72	7	2,576.52	7	2,323.32	7	2,070.12	7	1,816.92	7	1,563.72
1/4		1/4		1/4		1/4	3,077.65	1/4	2,824.45	1/4	2,571.25	1/4	2,318.05	1/4	2,064.85	1/4	1,811.65	1/4	1,558.45
1/2		1/2		1/2		1/2	3,072.38	1/2	2,819.17	1/2	2,565.97	1/2	2,312.77	1/2	2,059.57	1/2	1,806.37	1/2	1,553.17
3/4		3/4		3/4		3/4	3,067.10	3/4	2,813.90	3/4	2,560.70	3/4	2,307.50	3/4	2,054.30	3/4	1,801.10	3/4	1,547.90
8		8		8		8	3,061.83	8	2,808.62	8	2,555.42	8	2,302.22	8	2,049.02	8	1,795.82	8	1,542.62
1/4		1/4		1/4		1/4	3,056.55	1/4	2,803.35	1/4	2,550.15	1/4	2,296.95	1/4	2,043.75	1/4	1,790.55	1/4	1,537.35
1/2		1/2		1/2		1/2	3,051.28	1/2	2,798.07	1/2	2,544.87	1/2	2,291.67	1/2	2,038.47	1/2	1,785.27	1/2	1,532.07
3/4		3/4		3/4		3/4	3,046.00	3/4	2,792.80	3/4	2,539.60	3/4	2,286.40	3/4	2,033.20	3/4	1,780.00	3/4	1,526.80
9		9		9		9	3,040.73	9	2,787.52	9	2,534.32	9	2,281.12	9	2,027.92	9	1,774.72	9	1,521.52
1/4		1/4		1/4		1/4	3,035.45	1/4	2,782.25	1/4	2,529.05	1/4	2,275.85	1/4	2,022.65	1/4	1,769.45	1/4	1,516.25
1/2		1/2		1/2		1/2	3,030.18	1/2	2,776.97	1/2	2,523.77	1/2	2,270.57	1/2	2,017.37	1/2	1,764.17	1/2	1,510.97
3/4		3/4		3/4		3/4	3,024.90	3/4	2,771.70	3/4	2,518.50	3/4	2,265.30	3/4	2,012.10	3/4	1,758.90	3/4	1,505.70
10		10		10		10	3,019.63	10	2,766.42	10	2,513.22	10	2,260.02	10	2,006.82	10	1,753.62	10	1,500.42
1/4		1/4		1/4		1/4	3,014.35	1/4	2,761.15	1/4	2,507.95	1/4	2,254.75	1/4	2,001.55	1/4	1,748.35	1/4	1,495.15
1/2		1/2		1/2		1/2	3,009.08	1/2	2,755.87	1/2	2,502.67	1/2	2,249.47	1/2	1,996.27	1/2	1,743.07	1/2	1,489.87
3/4		3/4		3/4		3/4	3,003.80	3/4	2,750.60	3/4	2,497.40	3/4	2,244.20	3/4	1,991.00	3/4	1,737.80	3/4	1,484.60
11		11		11		11	2,998.53	11	2,745.32	11	2,492.12	11	2,238.92	11	1,985.72	11	1,732.52	11	1,479.32
1/4		1/4		1/4		1/4	2,993.25	1/4	2,740.05	1/4	2,486.85	1/4	2,233.65	1/4	1,980.45	1/4	1,727.25	1/4	1,474.05
1/2		1/2		1/2		1/2	2,987.98	1/2	2,734.77	1/2	2,481.57	1/2	2,228.37	1/2	1,975.17	1/2	1,721.97	1/2	1,468.77
3/4		3/4		3/4		3/4	2,982.70	3/4	2,729.50	3/4	2,476.30	3/4	2,223.10	3/4	1,969.90	3/4	1,716.70	3/4	1,463.50

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 39'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "HTCO 3071"

2 STBD ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-08 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	1,458.22	0	1,205.02	0	951.95	0	701.65	0	449.85	0	198.40	0		0		0		0	
1/4	1,452.95	1/4	1,199.75	1/4	946.73	1/4	696.41	1/4	444.60	1/4	193.33	1/4		1/4		1/4		1/4	
1/2	1,447.67	1/2	1,194.47	1/2	941.52	1/2	691.16	1/2	439.36	1/2	188.26	1/2		1/2		1/2		1/2	
3/4	1,442.40	3/4	1,189.20	3/4	936.31	3/4	685.92	3/4	434.11	3/4	183.19	3/4		3/4		3/4		3/4	
1	1,437.12	1	1,183.92	1	931.10	1	680.67	1	428.86	1	178.12	1		1		1		1	
1/4	1,431.85	1/4	1,178.65	1/4	925.88	1/4	675.42	1/4	423.62	1/4	173.05	1/4		1/4		1/4		1/4	
1/2	1,426.57	1/2	1,173.37	1/2	920.67	1/2	670.18	1/2	418.37	1/2	167.99	1/2		1/2		1/2		1/2	
3/4	1,421.30	3/4	1,168.10	3/4	915.46	3/4	664.93	3/4	413.13	3/4	162.92	3/4		3/4		3/4		3/4	
2	1,416.02	2	1,162.82	2	910.24	2	659.68	2	407.88	2	157.85	2		2		2		2	
1/4	1,410.75	1/4	1,157.55	1/4	905.03	1/4	654.44	1/4	402.63	1/4	152.78	1/4		1/4		1/4		1/4	
1/2	1,405.47	1/2	1,152.27	1/2	899.81	1/2	649.19	1/2	397.39	1/2	147.72	1/2		1/2		1/2		1/2	
3/4	1,400.20	3/4	1,147.00	3/4	894.60	3/4	643.95	3/4	392.14	3/4	142.65	3/4		3/4		3/4		3/4	
3	1,394.92	3	1,141.72	3	889.39	3	638.70	3	386.89	3	137.58	3		3		3		3	
1/4	1,389.65	1/4	1,136.45	1/4	884.17	1/4	633.46	1/4	381.65	1/4	132.51	1/4		1/4		1/4		1/4	
1/2	1,384.37	1/2	1,131.17	1/2	878.96	1/2	628.21	1/2	376.40	1/2	127.45	1/2		1/2		1/2		1/2	
3/4	1,379.10	3/4	1,125.90	3/4	873.75	3/4	622.97	3/4	371.16	3/4	122.38	3/4		3/4		3/4		3/4	
4	1,373.82	4	1,120.62	4	868.54	4	617.72	4	365.91	4	117.31	4		4		4		4	
1/4	1,368.55	1/4	1,115.35	1/4	863.32	1/4	612.47	1/4	360.67	1/4	112.24	1/4		1/4		1/4		1/4	
1/2	1,363.27	1/2	1,110.07	1/2	858.11	1/2	607.23	1/2	355.42	1/2	107.18	1/2		1/2		1/2		1/2	
3/4	1,358.00	3/4	1,104.80	3/4	852.90	3/4	601.98	3/4	350.18	3/4	102.11	3/4		3/4		3/4		3/4	
5	1,352.72	5	1,099.52	5	847.69	5	596.73	5	344.93	5	97.00	5		5		5		5	
1/4	1,347.45	1/4	1,094.25	1/4	842.47	1/4	591.49	1/4	339.68	1/4	91.88	1/4		1/4		1/4		1/4	
1/2	1,342.17	1/2	1,088.97	1/2	837.26	1/2	586.24	1/2	334.44	1/2	86.77	1/2		1/2		1/2		1/2	
3/4	1,336.90	3/4	1,083.70	3/4	832.05	3/4	581.00	3/4	329.19	3/4	81.66	3/4		3/4		3/4		3/4	
6	1,331.62	6	1,078.42	6	826.84	6	575.75	6	323.94	6	76.41	6		6		6		6	
1/4	1,326.35	1/4	1,073.15	1/4	821.62	1/4	570.50	1/4	318.70	1/4	71.16	1/4		1/4		1/4		1/4	
1/2	1,321.07	1/2	1,067.87	1/2	816.41	1/2	565.26	1/2	313.45	1/2	65.92	1/2		1/2		1/2		1/2	
3/4	1,315.80	3/4	1,062.60	3/4	811.20	3/4	560.01	3/4	308.21	3/4	60.67	3/4		3/4		3/4		3/4	
7	1,310.52	7	1,057.32	7	805.98	7	554.76	7	302.96	7	55.42	7		7		7		7	
1/4	1,305.25	1/4	1,052.05	1/4	800.77	1/4	549.52	1/4	297.71	1/4	50.18	1/4		1/4		1/4		1/4	
1/2	1,299.97	1/2	1,046.77	1/2	795.55	1/2	544.27	1/2	292.47	1/2	44.93	1/2		1/2		1/2		1/2	
3/4	1,294.70	3/4	1,041.50	3/4	790.34	3/4	539.03	3/4	287.22	3/4	39.69	3/4		3/4		3/4		3/4	
8	1,289.42	8	1,036.22	8	785.13	8	533.78	8	281.97	8	35.34	8		8		8		8	
1/4	1,284.15	1/4	1,030.95	1/4	779.91	1/4	528.54	1/4	276.73	1/4	30.99	1/4		1/4		1/4		1/4	
1/2	1,278.87	1/2	1,025.67	1/2	774.70	1/2	523.29	1/2	271.48	1/2	26.65	1/2		1/2		1/2		1/2	
3/4	1,273.60	3/4	1,020.40	3/4	769.49	3/4	518.05	3/4	266.24	3/4	22.30	3/4		3/4		3/4		3/4	
9	1,268.32	9	1,015.12	9	764.28	9	512.80	9	260.99	9		9		9		9		9	
1/4	1,263.05	1/4	1,009.85	1/4	759.06	1/4	507.55	1/4	255.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,257.77	1/2	1,004.57	1/2	753.85	1/2	502.31	1/2	250.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,252.50	3/4	999.30	3/4	748.64	3/4	497.06	3/4	245.26	3/4		3/4		3/4		3/4		3/4	
10	1,247.22	10	994.02	10	743.43	10	491.81	10	240.01	10		10		10		10		10	
1/4	1,241.95	1/4	988.75	1/4	738.21	1/4	486.57	1/4	234.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,236.67	1/2	983.47	1/2	733.00	1/2	481.32	1/2	229.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,231.40	3/4	978.20	3/4	727.79	3/4	476.08	3/4	224.27	3/4		3/4		3/4		3/4		3/4	
11	1,226.12	11	972.94	11	722.57	11	470.83	11	219.07	11		11		11		11		11	
1/4	1,220.85	1/4	967.68	1/4	717.34	1/4	465.59	1/4	213.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,215.57	1/2	962.42	1/2	712.12	1/2	460.34	1/2	208.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,210.30	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	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED:03/19/2009 INSP.
RECALCULATED:03/29/2019 SW
REPRINTED: 04/03/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

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





BARGE "HTCO 3071"

3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 15'-09"

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	3,280.27	0	3,002.16	0	2,724.05	0	2,445.94	0	2,167.83	0	1,889.71
1/4		1/4		1/4		1/4		1/4	3,274.48	1/4	2,996.37	1/4	2,718.25	1/4	2,440.14	1/4	2,162.03	1/4	1,883.92
1/2		1/2		1/2		1/2		1/2	3,268.69	1/2	2,990.58	1/2	2,712.46	1/2	2,434.35	1/2	2,156.24	1/2	1,878.12
3/4		3/4		3/4		3/4		3/4	3,262.89	3/4	2,984.78	3/4	2,706.66	3/4	2,428.55	3/4	2,150.44	3/4	1,872.33
1		1		1		1	3,502.87	1	3,257.10	1	2,978.99	1	2,700.87	1	2,422.76	1	2,144.65	1	1,866.54
1/4		1/4		1/4		1/4	3,500.61	1/4	3,251.31	1/4	2,973.20	1/4	2,695.08	1/4	2,416.97	1/4	2,138.85	1/4	1,860.74
1/2		1/2		1/2		1/2	3,498.35	1/2	3,245.51	1/2	2,967.40	1/2	2,689.28	1/2	2,411.17	1/2	2,133.06	1/2	1,854.95
3/4		3/4		3/4		3/4	3,496.08	3/4	3,239.72	3/4	2,961.61	3/4	2,683.49	3/4	2,405.38	3/4	2,127.26	3/4	1,849.15
2		2		2		2	3,493.82	2	3,233.92	2	2,955.81	2	2,677.70	2	2,399.59	2	2,121.47	2	1,843.36
1/4		1/4		1/4		1/4	3,490.55	1/4	3,228.13	1/4	2,950.02	1/4	2,671.90	1/4	2,393.79	1/4	2,115.68	1/4	1,837.57
1/2		1/2		1/2		1/2	3,487.28	1/2	3,222.33	1/2	2,944.22	1/2	2,666.11	1/2	2,388.00	1/2	2,109.88	1/2	1,831.77
3/4		3/4		3/4		3/4	3,484.01	3/4	3,216.54	3/4	2,938.43	3/4	2,660.31	3/4	2,382.20	3/4	2,104.09	3/4	1,825.98
3		3		3		3	3,480.74	3	3,210.74	3	2,932.63	3	2,654.52	3	2,376.41	3	2,098.30	3	1,820.19
1/4		1/4		1/4		1/4	3,476.46	1/4	3,204.95	1/4	2,926.84	1/4	2,648.73	1/4	2,370.61	1/4	2,092.50	1/4	1,814.39
1/2		1/2		1/2		1/2	3,472.19	1/2	3,199.16	1/2	2,921.05	1/2	2,642.93	1/2	2,364.82	1/2	2,086.71	1/2	1,808.60
3/4		3/4		3/4		3/4	3,467.91	3/4	3,193.36	3/4	2,915.25	3/4	2,637.14	3/4	2,359.02	3/4	2,080.91	3/4	1,802.80
4		4		4		4	3,463.63	4	3,187.57	4	2,909.46	4	2,631.35	4	2,353.23	4	2,075.12	4	1,797.01
1/4		1/4		1/4		1/4	3,458.35	1/4	3,181.78	1/4	2,903.67	1/4	2,625.55	1/4	2,347.44	1/4	2,069.33	1/4	1,791.21
1/2		1/2		1/2		1/2	3,453.07	1/2	3,175.98	1/2	2,897.87	1/2	2,619.76	1/2	2,341.64	1/2	2,063.53	1/2	1,785.42
3/4		3/4		3/4		3/4	3,447.78	3/4	3,170.19	3/4	2,892.08	3/4	2,613.96	3/4	2,335.85	3/4	2,057.74	3/4	1,779.62
5		5		5		5	3,442.50	5	3,164.39	5	2,886.28	5	2,608.17	5	2,330.06	5	2,051.95	5	1,773.83
1/4		1/4		1/4		1/4	3,436.71	1/4	3,158.60	1/4	2,880.49	1/4	2,602.37	1/4	2,324.26	1/4	2,046.15	1/4	1,768.04
1/2		1/2		1/2		1/2	3,430.92	1/2	3,152.81	1/2	2,874.70	1/2	2,596.58	1/2	2,318.47	1/2	2,040.36	1/2	1,762.24
3/4		3/4		3/4		3/4	3,425.12	3/4	3,147.01	3/4	2,868.90	3/4	2,590.78	3/4	2,312.67	3/4	2,034.56	3/4	1,756.45
6		6		6		6	3,419.33	6	3,141.22	6	2,863.11	6	2,584.99	6	2,306.88	6	2,028.77	6	1,750.66
1/4		1/4		1/4		1/4	3,413.54	1/4	3,135.43	1/4	2,857.32	1/4	2,579.20	1/4	2,301.09	1/4	2,022.97	1/4	1,744.86
1/2		1/2		1/2		1/2	3,407.74	1/2	3,129.63	1/2	2,851.52	1/2	2,573.40	1/2	2,295.29	1/2	2,017.18	1/2	1,739.07
3/4		3/4		3/4		3/4	3,401.95	3/4	3,123.84	3/4	2,845.73	3/4	2,567.61	3/4	2,289.50	3/4	2,011.38	3/4	1,733.27
7		7		7		7	3,396.15	7	3,118.04	7	2,839.93	7	2,561.82	7	2,283.71	7	2,005.59	7	1,727.48
1/4		1/4		1/4		1/4	3,390.36	1/4	3,112.25	1/4	2,834.14	1/4	2,556.02	1/4	2,277.91	1/4	1,999.80	1/4	1,721.69
1/2		1/2		1/2		1/2	3,384.57	1/2	3,106.45	1/2	2,828.34	1/2	2,550.23	1/2	2,272.12	1/2	1,994.00	1/2	1,715.89
3/4		3/4		3/4		3/4	3,378.77	3/4	3,100.66	3/4	2,822.55	3/4	2,544.43	3/4	2,266.32	3/4	1,988.21	3/4	1,710.10
8		8		8		8	3,372.98	8	3,094.86	8	2,816.75	8	2,538.64	8	2,260.53	8	1,982.42	8	1,704.31
1/4		1/4		1/4		1/4	3,367.19	1/4	3,089.07	1/4	2,810.96	1/4	2,532.85	1/4	2,254.73	1/4	1,976.62	1/4	1,698.51
1/2		1/2		1/2		1/2	3,361.39	1/2	3,083.28	1/2	2,805.17	1/2	2,527.05	1/2	2,248.94	1/2	1,970.83	1/2	1,692.72
3/4		3/4		3/4		3/4	3,355.60	3/4	3,077.48	3/4	2,799.37	3/4	2,521.26	3/4	2,243.14	3/4	1,965.03	3/4	1,686.92
9		9		9		9	3,349.80	9	3,071.69	9	2,793.58	9	2,515.47	9	2,237.35	9	1,959.24	9	1,681.13
1/4		1/4		1/4		1/4	3,344.01	1/4	3,065.90	1/4	2,787.79	1/4	2,509.67	1/4	2,231.56	1/4	1,953.45	1/4	1,675.33
1/2		1/2		1/2		1/2	3,338.21	1/2	3,060.10	1/2	2,781.99	1/2	2,503.88	1/2	2,225.76	1/2	1,947.65	1/2	1,669.54
3/4		3/4		3/4		3/4	3,332.42	3/4	3,054.31	3/4	2,776.20	3/4	2,498.08	3/4	2,219.97	3/4	1,941.86	3/4	1,663.74
10		10		10		10	3,326.62	10	3,048.51	10	2,770.40	10	2,492.29	10	2,214.18	10	1,936.07	10	1,657.95
1/4		1/4		1/4		1/4	3,320.83	1/4	3,042.72	1/4	2,764.61	1/4	2,486.49	1/4	2,208.38	1/4	1,930.27	1/4	1,652.16
1/2		1/2		1/2		1/2	3,315.04	1/2	3,036.93	1/2	2,758.82	1/2	2,480.70	1/2	2,202.59	1/2	1,924.48	1/2	1,646.36
3/4		3/4		3/4		3/4	3,309.24	3/4	3,031.13	3/4	2,753.02	3/4	2,474.90	3/4	2,196.79	3/4	1,918.68	3/4	1,640.57
11		11		11		11	3,303.45	11	3,025.34	11	2,747.23	11	2,469.11	11	2,191.00	11	1,912.89	11	1,634.78
1/4		1/4		1/4		1/4	3,297.66	1/4	3,019.55	1/4	2,741.43	1/4	2,463.32	1/4	2,185.21	1/4	1,907.09	1/4	1,628.98
1/2		1/2		1/2		1/2	3,291.86	1/2	3,013.75	1/2	2,735.64	1/2	2,457.52	1/2	2,179.41	1/2	1,901.30	1/2	1,623.19
3/4		3/4		3/4		3/4	3,286.07	3/4	3,007.96	3/4	2,729.84	3/4	2,451.73	3/4	2,173.62	3/4	1,895.50	3/4	1,617.39

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 40'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "HTCO 3071"

3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 15'-09"

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	1,611.60	0	1,333.49	0	1,055.42	0	779.48	0	501.80	0	224.32	0		0		0		0	
1/4	1,605.81	1/4	1,327.69	1/4	1,049.67	1/4	773.69	1/4	496.02	1/4	218.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,600.01	1/2	1,321.90	1/2	1,043.92	1/2	767.91	1/2	490.24	1/2	213.14	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,594.22	3/4	1,316.10	3/4	1,038.18	3/4	762.12	3/4	484.46	3/4	207.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,588.43	1	1,310.31	1	1,032.43	1	756.34	1	478.68	1	201.97	1	1	1	1	1	1	1	1
1/4	1,582.63	1/4	1,304.52	1/4	1,026.68	1/4	750.55	1/4	472.89	1/4	196.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,576.84	1/2	1,298.72	1/2	1,020.93	1/2	744.77	1/2	467.10	1/2	190.79	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,571.04	3/4	1,292.93	3/4	1,015.19	3/4	738.98	3/4	461.31	3/4	185.21	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,565.25	2	1,287.14	2	1,009.44	2	733.20	2	455.52	2	179.62	2	2	2	2	2	2	2	2
1/4	1,559.45	1/4	1,281.34	1/4	1,003.69	1/4	727.41	1/4	449.73	1/4	174.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,553.66	1/2	1,275.55	1/2	997.94	1/2	721.63	1/2	443.95	1/2	168.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,547.86	3/4	1,269.75	3/4	992.20	3/4	715.84	3/4	438.16	3/4	162.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,542.07	3	1,263.96	3	986.45	3	710.06	3	432.38	3	157.26	3	3	3	3	3	3	3	3
1/4	1,536.28	1/4	1,258.17	1/4	980.70	1/4	704.27	1/4	426.59	1/4	151.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,530.48	1/2	1,252.37	1/2	974.95	1/2	698.49	1/2	420.81	1/2	146.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,524.69	3/4	1,246.58	3/4	969.21	3/4	692.70	3/4	415.02	3/4	140.50	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,518.90	4	1,240.79	4	963.46	4	686.92	4	409.24	4	134.91	4	4	4	4	4	4	4	4
1/4	1,513.10	1/4	1,234.99	1/4	957.71	1/4	681.13	1/4	403.45	1/4	129.32	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,507.31	1/2	1,229.20	1/2	951.96	1/2	675.35	1/2	397.67	1/2	123.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,501.51	3/4	1,223.40	3/4	946.21	3/4	669.56	3/4	391.88	3/4	118.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,495.72	5	1,217.61	5	940.46	5	663.78	5	386.10	5	112.56	5	5	5	5	5	5	5	5
1/4	1,489.93	1/4	1,211.81	1/4	934.71	1/4	657.99	1/4	380.31	1/4	106.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,484.13	1/2	1,206.02	1/2	928.96	1/2	652.21	1/2	374.53	1/2	101.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,478.34	3/4	1,200.22	3/4	923.22	3/4	646.42	3/4	368.74	3/4	95.65	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,472.55	6	1,194.43	6	917.47	6	640.64	6	362.96	6	90.01	6	6	6	6	6	6	6	6
1/4	1,466.75	1/4	1,188.64	1/4	911.72	1/4	634.85	1/4	357.17	1/4	84.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,460.96	1/2	1,182.84	1/2	905.97	1/2	629.07	1/2	351.39	1/2	78.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,455.16	3/4	1,177.05	3/4	900.23	3/4	623.28	3/4	345.60	3/4	72.65	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,449.37	7	1,171.26	7	894.48	7	617.50	7	339.82	7	66.87	7	7	7	7	7	7	7	7
1/4	1,443.57	1/4	1,165.46	1/4	888.73	1/4	611.71	1/4	334.03	1/4	61.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,437.78	1/2	1,159.67	1/2	882.98	1/2	605.93	1/2	328.25	1/2	55.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,431.98	3/4	1,153.87	3/4	877.24	3/4	600.14	3/4	322.46	3/4	49.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,426.19	8	1,148.08	8	871.49	8	594.36	8	316.68	8	43.73	8	8	8	8	8	8	8	8
1/4	1,420.40	1/4	1,142.29	1/4	865.74	1/4	588.57	1/4	310.89	1/4	38.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,414.60	1/2	1,136.49	1/2	859.99	1/2	582.79	1/2	305.11	1/2	33.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,408.81	3/4	1,130.70	3/4	854.25	3/4	577.00	3/4	299.32	3/4	29.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,403.02	9	1,124.91	9	848.50	9	571.22	9	293.54	9	24.26	9	9	9	9	9	9	9	9
1/4	1,397.22	1/4	1,119.11	1/4	842.75	1/4	565.43	1/4	287.75	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,391.43	1/2	1,113.32	1/2	837.00	1/2	559.65	1/2	281.97	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,385.63	3/4	1,107.52	3/4	831.25	3/4	553.86	3/4	276.18	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,379.84	10	1,101.73	10	825.50	10	548.08	10	270.40	10		10	10	10	10	10	10	10	10
1/4	1,374.05	1/4	1,095.93	1/4	819.75	1/4	542.29	1/4	264.61	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,368.25	1/2	1,090.14	1/2	814.00	1/2	536.51	1/2	258.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,362.46	3/4	1,084.34	3/4	808.26	3/4	530.72	3/4	253.04	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,356.67	11	1,078.55	11	802.51	11	524.94	11	247.26	11		11	11	11	11	11	11	11	11
1/4	1,350.87	1/4	1,072.77	1/4	796.75	1/4	519.15	1/4	241.52	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,345.08	1/2	1,066.98	1/2	790.99	1/2	513.37	1/2	235.79	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,339.28	3/4	1,061.20	3/4	785.24	3/4	507.58	3/4	230.05	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.

STRAPPED:03/19/2009 INSP.
RECALCULATED:03/29/2019 SW
REPRINTED: 04/03/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "HTCO 3071"

3 STBD 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	3,268.69	0	2,990.58	0	2,712.46	0	2,434.35	0	2,156.24	0	1,878.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,262.89	1/4	2,984.78	1/4	2,706.66	1/4	2,428.55	1/4	2,150.44	1/4	1,872.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,502.87	1/2	3,257.10	1/2	2,978.99	1/2	2,422.76	1/2	2,144.65	1/2	1,866.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,500.61	3/4	3,251.31	3/4	2,973.20	3/4	2,695.08	3/4	2,416.97	3/4	1,860.74
1	1	1	1	1	1	1	1	1	3,498.35	1	3,245.51	1	2,967.40	1	2,689.28	1	2,411.17	1	2,133.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,496.08	1/4	3,239.72	1/4	2,961.61	1/4	2,683.49	1/4	2,405.38	1/4	2,127.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,493.82	1/2	3,233.92	1/2	2,955.81	1/2	2,677.70	1/2	2,399.59	1/2	2,121.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,490.55	3/4	3,228.13	3/4	2,950.02	3/4	2,671.90	3/4	2,393.79	3/4	2,115.68
2	2	2	2	2	2	2	2	2	3,487.28	2	3,222.33	2	2,944.22	2	2,666.11	2	2,388.00	2	2,109.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,484.01	1/4	3,216.54	1/4	2,938.43	1/4	2,660.31	1/4	2,382.20	1/4	2,104.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,480.74	1/2	3,210.74	1/2	2,932.63	1/2	2,654.52	1/2	2,376.41	1/2	2,098.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,476.46	3/4	3,204.95	3/4	2,926.84	3/4	2,648.73	3/4	2,370.61	3/4	2,092.50
3	3	3	3	3	3	3	3	3	3,472.19	3	3,199.16	3	2,921.05	3	2,642.93	3	2,364.82	3	2,086.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,467.91	1/4	3,193.36	1/4	2,915.25	1/4	2,637.14	1/4	2,359.02	1/4	2,080.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,463.63	1/2	3,187.57	1/2	2,909.46	1/2	2,631.35	1/2	2,353.23	1/2	2,075.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,458.35	3/4	3,181.78	3/4	2,903.67	3/4	2,625.55	3/4	2,347.44	3/4	2,069.33
4	4	4	4	4	4	4	4	4	3,453.07	4	3,175.98	4	2,897.87	4	2,619.76	4	2,341.64	4	2,063.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,447.78	1/4	3,170.19	1/4	2,892.08	1/4	2,613.96	1/4	2,335.85	1/4	2,057.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,442.50	1/2	3,164.39	1/2	2,886.28	1/2	2,608.17	1/2	2,330.06	1/2	2,051.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,436.71	3/4	3,158.60	3/4	2,880.49	3/4	2,602.37	3/4	2,324.26	3/4	2,046.15
5	5	5	5	5	5	5	5	5	3,430.92	5	3,152.81	5	2,874.70	5	2,596.58	5	2,318.47	5	2,040.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,425.12	1/4	3,147.01	1/4	2,868.90	1/4	2,590.78	1/4	2,312.67	1/4	2,034.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,419.33	1/2	3,141.22	1/2	2,863.11	1/2	2,584.99	1/2	2,306.88	1/2	2,028.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,413.54	3/4	3,135.43	3/4	2,857.32	3/4	2,579.20	3/4	2,301.09	3/4	2,022.97
6	6	6	6	6	6	6	6	6	3,407.74	6	3,129.63	6	2,851.52	6	2,573.40	6	2,295.29	6	2,017.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,401.95	1/4	3,123.84	1/4	2,845.73	1/4	2,567.61	1/4	2,289.50	1/4	2,011.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,396.15	1/2	3,118.04	1/2	2,839.93	1/2	2,561.82	1/2	2,283.71	1/2	2,005.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,390.36	3/4	3,112.25	3/4	2,834.14	3/4	2,556.02	3/4	2,277.91	3/4	1,999.80
7	7	7	7	7	7	7	7	7	3,384.57	7	3,106.45	7	2,828.34	7	2,550.23	7	2,272.12	7	1,994.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,378.77	1/4	3,100.66	1/4	2,822.55	1/4	2,544.43	1/4	2,266.32	1/4	1,988.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,372.98	1/2	3,094.86	1/2	2,816.75	1/2	2,538.64	1/2	2,260.53	1/2	1,982.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,367.19	3/4	3,089.07	3/4	2,810.96	3/4	2,532.85	3/4	2,254.73	3/4	1,976.62
8	8	8	8	8	8	8	8	8	3,361.39	8	3,083.28	8	2,805.17	8	2,527.05	8	2,248.94	8	1,970.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,355.60	1/4	3,077.48	1/4	2,799.37	1/4	2,521.26	1/4	2,243.14	1/4	1,965.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,349.80	1/2	3,071.69	1/2	2,793.58	1/2	2,515.47	1/2	2,237.35	1/2	1,959.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,344.01	3/4	3,065.90	3/4	2,787.79	3/4	2,509.67	3/4	2,231.56	3/4	1,953.45
9	9	9	9	9	9	9	9	9	3,338.21	9	3,060.10	9	2,781.99	9	2,503.88	9	2,225.76	9	1,947.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,332.42	1/4	3,054.31	1/4	2,776.20	1/4	2,498.08	1/4	2,219.97	1/4	1,941.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,326.62	1/2	3,048.51	1/2	2,770.40	1/2	2,492.29	1/2	2,214.18	1/2	1,936.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,320.83	3/4	3,042.72	3/4	2,764.61	3/4	2,486.49	3/4	2,208.38	3/4	1,930.27
10	10	10	10	10	10	10	10	10	3,315.04	10	3,036.93	10	2,758.82	10	2,480.70	10	2,202.59	10	1,924.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,309.24	1/4	3,031.13	1/4	2,753.02	1/4	2,474.90	1/4	2,196.79	1/4	1,918.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,303.45	1/2	3,025.34	1/2	2,747.23	1/2	2,469.11	1/2	2,191.00	1/2	1,912.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,297.66	3/4	3,019.55	3/4	2,741.43	3/4	2,463.32	3/4	2,185.21	3/4	1,907.09
11	11	11	11	11	11	11	11	11	3,291.86	11	3,013.75	11	2,735.64	11	2,457.52	11	2,179.41	11	1,901.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,286.07	1/4	3,007.96	1/4	2,729.84	1/4	2,451.73	1/4	2,173.62	1/4	1,895.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,280.27	1/2	3,002.16	1/2	2,724.05	1/2	2,445.94	1/2	2,167.83	1/2	1,889.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,274.48	3/4	2,996.37	3/4	2,718.25	3/4	2,440.14	3/4	2,162.03	3/4	1,883.92

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "HTCO 3071"

3 STBD ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-08 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	1,600.01	0	1,321.90	0	1,043.92	0	767.91	0	490.24	0	213.14	0		0		0		0	
1/4	1,594.22	1/4	1,316.10	1/4	1,038.18	1/4	762.12	1/4	484.46	1/4	207.56	1/4		1/4		1/4		1/4	
1/2	1,588.43	1/2	1,310.31	1/2	1,032.43	1/2	756.34	1/2	478.68	1/2	201.97	1/2		1/2		1/2		1/2	
3/4	1,582.63	3/4	1,304.52	3/4	1,026.68	3/4	750.55	3/4	472.89	3/4	196.38	3/4		3/4		3/4		3/4	
1	1,576.84	1	1,298.72	1	1,020.93	1	744.77	1	467.10	1	190.79	1		1		1		1	
1/4	1,571.04	1/4	1,292.93	1/4	1,015.19	1/4	738.98	1/4	461.31	1/4	185.21	1/4		1/4		1/4		1/4	
1/2	1,565.25	1/2	1,287.14	1/2	1,009.44	1/2	733.20	1/2	455.52	1/2	179.62	1/2		1/2		1/2		1/2	
3/4	1,559.45	3/4	1,281.34	3/4	1,003.69	3/4	727.41	3/4	449.73	3/4	174.03	3/4		3/4		3/4		3/4	
2	1,553.66	2	1,275.55	2	997.94	2	721.63	2	443.95	2	168.44	2		2		2		2	
1/4	1,547.86	1/4	1,269.75	1/4	992.20	1/4	715.84	1/4	438.16	1/4	162.85	1/4		1/4		1/4		1/4	
1/2	1,542.07	1/2	1,263.96	1/2	986.45	1/2	710.06	1/2	432.38	1/2	157.26	1/2		1/2		1/2		1/2	
3/4	1,536.28	3/4	1,258.17	3/4	980.70	3/4	704.27	3/4	426.59	3/4	151.67	3/4		3/4		3/4		3/4	
3	1,530.48	3	1,252.37	3	974.95	3	698.49	3	420.81	3	146.08	3		3		3		3	
1/4	1,524.69	1/4	1,246.58	1/4	969.21	1/4	692.70	1/4	415.02	1/4	140.50	1/4		1/4		1/4		1/4	
1/2	1,518.90	1/2	1,240.79	1/2	963.46	1/2	686.92	1/2	409.24	1/2	134.91	1/2		1/2		1/2		1/2	
3/4	1,513.10	3/4	1,234.99	3/4	957.71	3/4	681.13	3/4	403.45	3/4	129.32	3/4		3/4		3/4		3/4	
4	1,507.31	4	1,229.20	4	951.96	4	675.35	4	397.67	4	123.73	4		4		4		4	
1/4	1,501.51	1/4	1,223.40	1/4	946.21	1/4	669.56	1/4	391.88	1/4	118.15	1/4		1/4		1/4		1/4	
1/2	1,495.72	1/2	1,217.61	1/2	940.46	1/2	663.78	1/2	386.10	1/2	112.56	1/2		1/2		1/2		1/2	
3/4	1,489.93	3/4	1,211.81	3/4	934.71	3/4	657.99	3/4	380.31	3/4	106.92	3/4		3/4		3/4		3/4	
5	1,484.13	5	1,206.02	5	928.96	5	652.21	5	374.53	5	101.28	5		5		5		5	
1/4	1,478.34	1/4	1,200.22	1/4	923.22	1/4	646.42	1/4	368.74	1/4	95.65	1/4		1/4		1/4		1/4	
1/2	1,472.55	1/2	1,194.43	1/2	917.47	1/2	640.64	1/2	362.96	1/2	90.01	1/2		1/2		1/2		1/2	
3/4	1,466.75	3/4	1,188.64	3/4	911.72	3/4	634.85	3/4	357.17	3/4	84.22	3/4		3/4		3/4		3/4	
6	1,460.96	6	1,182.84	6	905.97	6	629.07	6	351.39	6	78.44	6		6		6		6	
1/4	1,455.16	1/4	1,177.05	1/4	900.23	1/4	623.28	1/4	345.60	1/4	72.65	1/4		1/4		1/4		1/4	
1/2	1,449.37	1/2	1,171.26	1/2	894.48	1/2	617.50	1/2	339.82	1/2	66.87	1/2		1/2		1/2		1/2	
3/4	1,443.57	3/4	1,165.46	3/4	888.73	3/4	611.71	3/4	334.03	3/4	61.08	3/4		3/4		3/4		3/4	
7	1,437.78	7	1,159.67	7	882.98	7	605.93	7	328.25	7	55.30	7		7		7		7	
1/4	1,431.98	1/4	1,153.87	1/4	877.24	1/4	600.14	1/4	322.46	1/4	49.51	1/4		1/4		1/4		1/4	
1/2	1,426.19	1/2	1,148.08	1/2	871.49	1/2	594.36	1/2	316.68	1/2	43.73	1/2		1/2		1/2		1/2	
3/4	1,420.40	3/4	1,142.29	3/4	865.74	3/4	588.57	3/4	310.89	3/4	38.86	3/4		3/4		3/4		3/4	
8	1,414.60	8	1,136.49	8	859.99	8	582.79	8	305.11	8	33.99	8		8		8		8	
1/4	1,408.81	1/4	1,130.70	1/4	854.25	1/4	577.00	1/4	299.32	1/4	29.13	1/4		1/4		1/4		1/4	
1/2	1,403.02	1/2	1,124.91	1/2	848.50	1/2	571.22	1/2	293.54	1/2	24.26	1/2		1/2		1/2		1/2	
3/4	1,397.22	3/4	1,119.11	3/4	842.75	3/4	565.43	3/4	287.75	3/4		3/4		3/4		3/4		3/4	
9	1,391.43	9	1,113.32	9	837.00	9	559.65	9	281.97	9		9		9		9		9	
1/4	1,385.63	1/4	1,107.52	1/4	831.25	1/4	553.86	1/4	276.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,379.84	1/2	1,101.73	1/2	825.50	1/2	548.08	1/2	270.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,374.05	3/4	1,095.93	3/4	819.75	3/4	542.29	3/4	264.61	3/4		3/4		3/4		3/4		3/4	
10	1,368.25	10	1,090.14	10	814.00	10	536.51	10	258.83	10		10		10		10		10	
1/4	1,362.46	1/4	1,084.34	1/4	808.26	1/4	530.72	1/4	253.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,356.67	1/2	1,078.55	1/2	802.51	1/2	524.94	1/2	247.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,350.87	3/4	1,072.77	3/4	796.75	3/4	519.15	3/4	241.52	3/4		3/4		3/4		3/4		3/4	
11	1,345.08	11	1,066.98	11	790.99	11	513.37	11	235.79	11		11		11		11		11	
1/4	1,339.28	1/4	1,061.20	1/4	785.24	1/4	507.58	1/4	230.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,333.49	1/2	1,055.42	1/2	779.48	1/2	501.80	1/2	224.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,327.69	3/4	1,049.67	3/4	773.69	3/4	496.02	3/4	218.73	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED:03/19/2009 INSP.
RECALCULATED:03/29/2019 SW
REPRINTED: 04/03/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

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



BARGE "HTCO 3071"

4 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	3,153.86	0	2,972.65	0	2,703.24	0	2,426.91	0	2,150.57	0	1,874.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,150.20	1/4	2,967.99	1/4	2,697.49	1/4	2,421.16	1/4	2,144.82	1/4	1,868.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,301.51	1/2	2,963.33	1/2	2,691.73	1/2	2,415.40	1/2	2,139.06	1/2	1,862.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,300.08	3/4	3,142.90	3/4	2,958.30	3/4	2,685.97	3/4	2,409.64	3/4	2,133.30
1		1		1		1		1	3,298.66	1	3,139.25	1	2,953.27	1	2,680.22	1	2,403.88	1	2,127.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,297.23	1/4	3,135.60	1/4	2,948.25	1/4	2,674.46	1/4	2,398.13	1/4	2,121.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,295.80	1/2	3,131.95	1/2	2,943.22	1/2	2,668.71	1/2	2,392.37	1/2	2,116.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,293.74	3/4	3,128.30	3/4	2,937.83	3/4	2,662.95	3/4	2,386.61	3/4	2,110.27
2		2		2		2		2	3,291.68	2	3,124.65	2	2,932.43	2	2,657.19	2	2,380.85	2	2,104.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,289.61	1/4	3,120.99	1/4	2,927.04	1/4	2,651.44	1/4	2,375.10	1/4	2,098.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,287.55	1/2	3,117.34	1/2	2,921.65	1/2	2,645.68	1/2	2,369.34	1/2	2,093.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,284.85	3/4	3,113.69	3/4	2,915.98	3/4	2,639.92	3/4	2,363.58	3/4	2,087.25
3		3		3		3		3	3,282.15	3	3,110.04	3	2,910.32	3	2,634.16	3	2,357.82	3	2,081.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,279.45	1/4	3,106.38	1/4	2,904.65	1/4	2,628.41	1/4	2,352.07	1/4	2,075.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,276.75	1/2	3,102.73	1/2	2,898.99	1/2	2,622.65	1/2	2,346.31	1/2	2,069.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,273.42	3/4	3,099.08	3/4	2,893.23	3/4	2,616.89	3/4	2,340.55	3/4	2,064.22
4		4		4		4		4	3,270.09	4	3,095.43	4	2,887.47	4	2,611.13	4	2,334.80	4	2,058.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,266.75	1/4	3,091.77	1/4	2,881.72	1/4	2,605.38	1/4	2,329.04	1/4	2,052.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,263.42	1/2	3,088.12	1/2	2,875.96	1/2	2,599.62	1/2	2,323.29	1/2	2,046.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,259.77	3/4	3,084.47	3/4	2,870.20	3/4	2,593.86	3/4	2,317.53	3/4	2,041.19
5		5		5		5		5	3,256.12	5	3,080.82	5	2,864.44	5	2,588.10	5	2,311.77	5	2,035.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,252.46	1/4	3,077.16	1/4	2,858.69	1/4	2,582.35	1/4	2,306.02	1/4	2,029.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,248.81	1/2	3,073.51	1/2	2,852.93	1/2	2,576.59	1/2	2,300.26	1/2	2,023.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,245.16	3/4	3,069.86	3/4	2,847.17	3/4	2,570.83	3/4	2,294.50	3/4	2,018.16
6		6		6		6		6	3,241.51	6	3,066.21	6	2,841.41	6	2,565.08	6	2,288.74	6	2,012.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,237.85	1/4	3,062.56	1/4	2,835.66	1/4	2,559.32	1/4	2,282.99	1/4	2,006.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,234.20	1/2	3,058.91	1/2	2,829.90	1/2	2,553.57	1/2	2,277.23	1/2	2,000.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,230.55	3/4	3,055.26	3/4	2,824.14	3/4	2,547.81	3/4	2,271.47	3/4	1,995.13
7		7		7		7		7	3,226.90	7	3,051.60	7	2,818.38	7	2,542.05	7	2,265.71	7	1,989.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,223.24	1/4	3,047.95	1/4	2,812.63	1/4	2,536.30	1/4	2,259.96	1/4	1,983.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,219.59	1/2	3,044.30	1/2	2,806.87	1/2	2,530.54	1/2	2,254.20	1/2	1,977.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,215.94	3/4	3,040.65	3/4	2,801.11	3/4	2,524.78	3/4	2,248.44	3/4	1,972.11
8		8		8		8		8	3,212.29	8	3,036.99	8	2,795.36	8	2,519.02	8	2,242.68	8	1,966.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,208.64	1/4	3,033.34	1/4	2,789.60	1/4	2,513.27	1/4	2,236.93	1/4	1,960.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,204.99	1/2	3,029.69	1/2	2,783.85	1/2	2,507.51	1/2	2,231.17	1/2	1,954.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,201.34	3/4	3,026.00	3/4	2,778.09	3/4	2,501.75	3/4	2,225.41	3/4	1,949.08
9		9		9		9		9	3,197.69	9	3,022.31	9	2,772.33	9	2,495.99	9	2,219.66	9	1,943.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,194.03	1/4	3,018.63	1/4	2,766.58	1/4	2,490.24	1/4	2,213.90	1/4	1,937.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,190.38	1/2	3,014.94	1/2	2,760.82	1/2	2,484.48	1/2	2,208.15	1/2	1,931.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,186.73	3/4	3,010.99	3/4	2,755.06	3/4	2,478.72	3/4	2,202.39	3/4	1,926.05
10		10		10		10		10	3,183.08	10	3,007.04	10	2,749.30	10	2,472.96	10	2,196.63	10	1,920.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,179.42	1/4	3,003.09	1/4	2,743.55	1/4	2,467.21	1/4	2,190.88	1/4	1,914.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,175.77	1/2	2,999.14	1/2	2,737.79	1/2	2,461.45	1/2	2,185.12	1/2	1,908.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,172.12	3/4	2,994.85	3/4	2,732.03	3/4	2,455.69	3/4	2,179.36	3/4	1,903.02
11		11		11		11		11	3,168.47	11	2,990.55	11	2,726.27	11	2,449.94	11	2,173.60	11	1,897.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,164.81	1/4	2,986.26	1/4	2,720.52	1/4	2,444.18	1/4	2,167.85	1/4	1,891.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,161.16	1/2	2,981.97	1/2	2,714.76	1/2	2,438.43	1/2	2,162.09	1/2	1,885.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,157.51	3/4	2,977.31	3/4	2,709.00	3/4	2,432.67	3/4	2,156.33	3/4	1,879.99

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 45'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "HTCO 3071"

4 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-08 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	1,597.90	0	1,321.56	0	1,045.23	0	768.89	0	492.56	0	216.22	0		0		0		0	
1/4	1,592.15	1/4	1,315.81	1/4	1,039.48	1/4	763.14	1/4	486.80	1/4	210.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,586.39	1/2	1,310.05	1/2	1,033.72	1/2	757.38	1/2	481.05	1/2	204.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,580.63	3/4	1,304.29	3/4	1,027.96	3/4	751.62	3/4	475.29	3/4	198.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,574.87	1	1,298.54	1	1,022.20	1	745.86	1	469.53	1	193.19	1	1	1	1	1	1	1	1
1/4	1,569.12	1/4	1,292.78	1/4	1,016.45	1/4	740.11	1/4	463.78	1/4	187.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,563.36	1/2	1,287.03	1/2	1,010.69	1/2	734.35	1/2	458.02	1/2	181.68	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,557.60	3/4	1,281.27	3/4	1,004.93	3/4	728.59	3/4	452.26	3/4	175.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,551.84	2	1,275.51	2	999.17	2	722.83	2	446.50	2	170.16	2	2	2	2	2	2	2	2
1/4	1,546.09	1/4	1,269.76	1/4	993.42	1/4	717.08	1/4	440.75	1/4	164.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,540.33	1/2	1,264.00	1/2	987.66	1/2	711.32	1/2	434.99	1/2	158.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,534.57	3/4	1,258.24	3/4	981.90	3/4	705.56	3/4	429.23	3/4	152.89	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,528.82	3	1,252.48	3	976.14	3	699.81	3	423.47	3	147.14	3	3	3	3	3	3	3	3
1/4	1,523.06	1/4	1,246.73	1/4	970.39	1/4	694.05	1/4	417.72	1/4	141.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,517.31	1/2	1,240.97	1/2	964.63	1/2	688.30	1/2	411.96	1/2	135.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,511.55	3/4	1,235.21	3/4	958.87	3/4	682.54	3/4	406.20	3/4	129.87	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,505.79	4	1,229.45	4	953.11	4	676.78	4	400.44	4	124.11	4	4	4	4	4	4	4	4
1/4	1,500.04	1/4	1,223.70	1/4	947.36	1/4	671.03	1/4	394.69	1/4	118.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,494.28	1/2	1,217.94	1/2	941.60	1/2	665.27	1/2	388.93	1/2	112.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,488.52	3/4	1,212.18	3/4	935.84	3/4	659.51	3/4	383.17	3/4	106.84	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,482.76	5	1,206.42	5	930.09	5	653.75	5	377.42	5	101.08	5	5	5	5	5	5	5	5
1/4	1,477.01	1/4	1,200.67	1/4	924.33	1/4	648.00	1/4	371.66	1/4	95.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,471.25	1/2	1,194.91	1/2	918.58	1/2	642.24	1/2	365.91	1/2	89.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,465.49	3/4	1,189.15	3/4	912.82	3/4	636.48	3/4	360.15	3/4	83.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,459.73	6	1,183.40	6	907.06	6	630.72	6	354.39	6	78.05	6	6	6	6	6	6	6	6
1/4	1,453.98	1/4	1,177.64	1/4	901.31	1/4	624.97	1/4	348.64	1/4	72.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,448.22	1/2	1,171.89	1/2	895.55	1/2	619.21	1/2	342.88	1/2	66.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,442.46	3/4	1,166.13	3/4	889.79	3/4	613.45	3/4	337.12	3/4	60.78	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,436.70	7	1,160.37	7	884.03	7	607.70	7	331.36	7	55.02	7	7	7	7	7	7	7	7
1/4	1,430.95	1/4	1,154.62	1/4	878.28	1/4	601.94	1/4	325.61	1/4	49.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,425.19	1/2	1,148.86	1/2	872.52	1/2	596.19	1/2	319.85	1/2	43.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,419.43	3/4	1,143.10	3/4	866.76	3/4	590.43	3/4	314.09	3/4	38.66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,413.68	8	1,137.34	8	861.00	8	584.67	8	308.33	8	33.82	8	8	8	8	8	8	8	8
1/4	1,407.92	1/4	1,131.59	1/4	855.25	1/4	578.92	1/4	302.58	1/4	28.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,402.17	1/2	1,125.83	1/2	849.49	1/2	573.16	1/2	296.82	1/2	24.13	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,396.41	3/4	1,120.07	3/4	843.73	3/4	567.40	3/4	291.06	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,390.65	9	1,114.31	9	837.97	9	561.64	9	285.30	9		9	9	9	9	9	9	9	9
1/4	1,384.90	1/4	1,108.56	1/4	832.22	1/4	555.89	1/4	279.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,379.14	1/2	1,102.80	1/2	826.46	1/2	550.13	1/2	273.79	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,373.38	3/4	1,097.04	3/4	820.70	3/4	544.37	3/4	268.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,367.62	10	1,091.28	10	814.95	10	538.61	10	262.28	10		10	10	10	10	10	10	10	10
1/4	1,361.87	1/4	1,085.53	1/4	809.19	1/4	532.86	1/4	256.52	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,356.11	1/2	1,079.77	1/2	803.44	1/2	527.10	1/2	250.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,350.35	3/4	1,074.01	3/4	797.68	3/4	521.34	3/4	245.01	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,344.59	11	1,068.26	11	791.92	11	515.58	11	239.25	11		11	11	11	11	11	11	11	11
1/4	1,338.84	1/4	1,062.50	1/4	786.17	1/4	509.83	1/4	233.50	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,333.08	1/2	1,056.75	1/2	780.41	1/2	504.07	1/2	227.74	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,327.32	3/4	1,050.99	3/4	774.65	3/4	498.31	3/4	221.98	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.

STRAPPED:03/19/2009 INSP.
RECALCULATED:03/29/2019 SW
REPRINTED: 04/03/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

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



BARGE "HTCO 3071"

4 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	3,301.51	0	3,150.20	0	2,967.99	0	2,697.49	0	2,421.16	0	2,144.82	0	1,868.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,301.51	1/4	3,146.55	1/4	2,963.33	1/4	2,691.73	1/4	2,415.40	1/4	2,139.06	1/4	1,862.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,300.08	1/2	3,142.90	1/2	2,958.30	1/2	2,685.97	1/2	2,409.64	1/2	2,133.30	1/2	1,856.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,298.66	3/4	3,139.25	3/4	2,953.27	3/4	2,680.22	3/4	2,403.88	3/4	2,127.54	3/4	1,851.21
1	1	1	1	1	1	1	3,297.23	1	3,135.60	1	2,948.25	1	2,674.46	1	2,398.13	1	2,121.79	1	1,845.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,295.80	1/4	3,131.95	1/4	2,943.22	1/4	2,668.71	1/4	2,392.37	1/4	2,116.03	1/4	1,839.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,293.74	1/2	3,128.30	1/2	2,937.83	1/2	2,662.95	1/2	2,386.61	1/2	2,110.27	1/2	1,833.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,291.68	3/4	3,124.65	3/4	2,932.43	3/4	2,657.19	3/4	2,380.85	3/4	2,104.52	3/4	1,828.18
2	2	2	2	2	2	2	3,289.61	2	3,120.99	2	2,927.04	2	2,651.44	2	2,375.10	2	2,098.76	2	1,822.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,287.55	1/4	3,117.34	1/4	2,921.65	1/4	2,645.68	1/4	2,369.34	1/4	2,093.01	1/4	1,816.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,284.85	1/2	3,113.69	1/2	2,915.98	1/2	2,639.92	1/2	2,363.58	1/2	2,087.25	1/2	1,810.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,282.15	3/4	3,110.04	3/4	2,910.32	3/4	2,634.16	3/4	2,357.82	3/4	2,081.49	3/4	1,805.15
3	3	3	3	3	3	3	3,279.45	3	3,106.38	3	2,904.65	3	2,628.41	3	2,352.07	3	2,075.74	3	1,799.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,276.75	1/4	3,102.73	1/4	2,898.99	1/4	2,622.65	1/4	2,346.31	1/4	2,069.98	1/4	1,793.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,273.42	1/2	3,099.08	1/2	2,893.23	1/2	2,616.89	1/2	2,340.55	1/2	2,064.22	1/2	1,787.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,270.09	3/4	3,095.43	3/4	2,887.47	3/4	2,611.13	3/4	2,334.80	3/4	2,058.46	3/4	1,782.12
4	4	4	4	4	4	4	3,266.75	4	3,091.77	4	2,881.72	4	2,605.38	4	2,329.04	4	2,052.71	4	1,776.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,263.42	1/4	3,088.12	1/4	2,875.96	1/4	2,599.62	1/4	2,323.29	1/4	2,046.95	1/4	1,770.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,259.77	1/2	3,084.47	1/2	2,870.20	1/2	2,593.86	1/2	2,317.53	1/2	2,041.19	1/2	1,764.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,256.12	3/4	3,080.82	3/4	2,864.44	3/4	2,588.10	3/4	2,311.77	3/4	2,035.43	3/4	1,759.10
5	5	5	5	5	5	5	3,252.46	5	3,077.16	5	2,858.69	5	2,582.35	5	2,306.02	5	2,029.68	5	1,753.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,248.81	1/4	3,073.51	1/4	2,852.93	1/4	2,576.59	1/4	2,300.26	1/4	2,023.92	1/4	1,747.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,245.16	1/2	3,069.86	1/2	2,847.17	1/2	2,570.83	1/2	2,294.50	1/2	2,018.16	1/2	1,741.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,241.51	3/4	3,066.21	3/4	2,841.41	3/4	2,565.08	3/4	2,288.74	3/4	2,012.40	3/4	1,736.07
6	6	6	6	6	6	6	3,237.85	6	3,062.56	6	2,835.66	6	2,559.32	6	2,282.99	6	2,006.65	6	1,730.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,234.20	1/4	3,058.91	1/4	2,829.90	1/4	2,553.57	1/4	2,277.23	1/4	2,000.89	1/4	1,724.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,230.55	1/2	3,055.26	1/2	2,824.14	1/2	2,547.81	1/2	2,271.47	1/2	1,995.13	1/2	1,718.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,226.90	3/4	3,051.60	3/4	2,818.38	3/4	2,542.05	3/4	2,265.71	3/4	1,989.38	3/4	1,713.04
7	7	7	7	7	7	7	3,223.24	7	3,047.95	7	2,812.63	7	2,536.30	7	2,259.96	7	1,983.62	7	1,707.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,219.59	1/4	3,044.30	1/4	2,806.87	1/4	2,530.54	1/4	2,254.20	1/4	1,977.87	1/4	1,701.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,215.94	1/2	3,040.65	1/2	2,801.11	1/2	2,524.78	1/2	2,248.44	1/2	1,972.11	1/2	1,695.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,212.29	3/4	3,036.99	3/4	2,795.36	3/4	2,519.02	3/4	2,242.68	3/4	1,966.35	3/4	1,690.01
8	8	8	8	8	8	8	3,208.64	8	3,033.34	8	2,789.60	8	2,513.27	8	2,236.93	8	1,960.60	8	1,684.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,204.99	1/4	3,029.69	1/4	2,783.85	1/4	2,507.51	1/4	2,231.17	1/4	1,954.84	1/4	1,678.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,201.34	1/2	3,026.00	1/2	2,778.09	1/2	2,501.75	1/2	2,225.41	1/2	1,949.08	1/2	1,672.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,197.69	3/4	3,022.31	3/4	2,772.33	3/4	2,495.99	3/4	2,219.66	3/4	1,943.32	3/4	1,666.98
9	9	9	9	9	9	9	3,194.03	9	3,018.63	9	2,766.58	9	2,490.24	9	2,213.90	9	1,937.57	9	1,661.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,190.38	1/4	3,014.94	1/4	2,760.82	1/4	2,484.48	1/4	2,208.15	1/4	1,931.81	1/4	1,655.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,186.73	1/2	3,010.99	1/2	2,755.06	1/2	2,478.72	1/2	2,202.39	1/2	1,926.05	1/2	1,649.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,183.08	3/4	3,007.04	3/4	2,749.30	3/4	2,472.96	3/4	2,196.63	3/4	1,920.29	3/4	1,643.96
10	10	10	10	10	10	10	3,179.42	10	3,003.09	10	2,743.55	10	2,467.21	10	2,190.88	10	1,914.54	10	1,638.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,175.77	1/4	2,999.14	1/4	2,737.79	1/4	2,461.45	1/4	2,185.12	1/4	1,908.78	1/4	1,632.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,172.12	1/2	2,994.85	1/2	2,732.03	1/2	2,455.69	1/2	2,179.36	1/2	1,903.02	1/2	1,626.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,168.47	3/4	2,990.55	3/4	2,726.27	3/4	2,449.94	3/4	2,173.60	3/4	1,897.26	3/4	1,620.93
11	11	11	11	11	11	11	3,164.81	11	2,986.26	11	2,720.52	11	2,444.18	11	2,167.85	11	1,891.51	11	1,615.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,161.16	1/4	2,981.97	1/4	2,714.76	1/4	2,438.43	1/4	2,162.09	1/4	1,885.75	1/4	1,609.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,157.51	1/2	2,977.31	1/2	2,709.00	1/2	2,432.67	1/2	2,156.33	1/2	1,879.99	1/2	1,603.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,153.86	3/4	2,972.65	3/4	2,703.24	3/4	2,426.91	3/4	2,150.57	3/4	1,874.24	3/4	1,597.90

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 45'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "HTCO 3071"

4 STBD ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-08 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,592.15	0	1,315.81	0	1,039.48	0	763.14	0	486.80	0	210.47	0		0		0		0	
1/4	1,586.39	1/4	1,310.05	1/4	1,033.72	1/4	757.38	1/4	481.05	1/4	204.71	1/4		1/4		1/4		1/4	
1/2	1,580.63	1/2	1,304.29	1/2	1,027.96	1/2	751.62	1/2	475.29	1/2	198.95	1/2		1/2		1/2		1/2	
3/4	1,574.87	3/4	1,298.54	3/4	1,022.20	3/4	745.86	3/4	469.53	3/4	193.19	3/4		3/4		3/4		3/4	
1	1,569.12	1	1,292.78	1	1,016.45	1	740.11	1	463.78	1	187.44	1		1		1		1	
1/4	1,563.36	1/4	1,287.03	1/4	1,010.69	1/4	734.35	1/4	458.02	1/4	181.68	1/4		1/4		1/4		1/4	
1/2	1,557.60	1/2	1,281.27	1/2	1,004.93	1/2	728.59	1/2	452.26	1/2	175.92	1/2		1/2		1/2		1/2	
3/4	1,551.84	3/4	1,275.51	3/4	999.17	3/4	722.83	3/4	446.50	3/4	170.16	3/4		3/4		3/4		3/4	
2	1,546.09	2	1,269.76	2	993.42	2	717.08	2	440.75	2	164.41	2		2		2		2	
1/4	1,540.33	1/4	1,264.00	1/4	987.66	1/4	711.32	1/4	434.99	1/4	158.65	1/4		1/4		1/4		1/4	
1/2	1,534.57	1/2	1,258.24	1/2	981.90	1/2	705.56	1/2	429.23	1/2	152.89	1/2		1/2		1/2		1/2	
3/4	1,528.82	3/4	1,252.48	3/4	976.14	3/4	699.81	3/4	423.47	3/4	147.14	3/4		3/4		3/4		3/4	
3	1,523.06	3	1,246.73	3	970.39	3	694.05	3	417.72	3	141.38	3		3		3		3	
1/4	1,517.31	1/4	1,240.97	1/4	964.63	1/4	688.30	1/4	411.96	1/4	135.63	1/4		1/4		1/4		1/4	
1/2	1,511.55	1/2	1,235.21	1/2	958.87	1/2	682.54	1/2	406.20	1/2	129.87	1/2		1/2		1/2		1/2	
3/4	1,505.79	3/4	1,229.45	3/4	953.11	3/4	676.78	3/4	400.44	3/4	124.11	3/4		3/4		3/4		3/4	
4	1,500.04	4	1,223.70	4	947.36	4	671.03	4	394.69	4	118.36	4		4		4		4	
1/4	1,494.28	1/4	1,217.94	1/4	941.60	1/4	665.27	1/4	388.93	1/4	112.60	1/4		1/4		1/4		1/4	
1/2	1,488.52	1/2	1,212.18	1/2	935.84	1/2	659.51	1/2	383.17	1/2	106.84	1/2		1/2		1/2		1/2	
3/4	1,482.76	3/4	1,206.42	3/4	930.09	3/4	653.75	3/4	377.42	3/4	101.08	3/4		3/4		3/4		3/4	
5	1,477.01	5	1,200.67	5	924.33	5	648.00	5	371.66	5	95.33	5		5		5		5	
1/4	1,471.25	1/4	1,194.91	1/4	918.58	1/4	642.24	1/4	365.91	1/4	89.57	1/4		1/4		1/4		1/4	
1/2	1,465.49	1/2	1,189.15	1/2	912.82	1/2	636.48	1/2	360.15	1/2	83.81	1/2		1/2		1/2		1/2	
3/4	1,459.73	3/4	1,183.40	3/4	907.06	3/4	630.72	3/4	354.39	3/4	78.05	3/4		3/4		3/4		3/4	
6	1,453.98	6	1,177.64	6	901.31	6	624.97	6	348.64	6	72.30	6		6		6		6	
1/4	1,448.22	1/4	1,171.89	1/4	895.55	1/4	619.21	1/4	342.88	1/4	66.54	1/4		1/4		1/4		1/4	
1/2	1,442.46	1/2	1,166.13	1/2	889.79	1/2	613.45	1/2	337.12	1/2	60.78	1/2		1/2		1/2		1/2	
3/4	1,436.70	3/4	1,160.37	3/4	884.03	3/4	607.70	3/4	331.36	3/4	55.02	3/4		3/4		3/4		3/4	
7	1,430.95	7	1,154.62	7	878.28	7	601.94	7	325.61	7	49.27	7		7		7		7	
1/4	1,425.19	1/4	1,148.86	1/4	872.52	1/4	596.19	1/4	319.85	1/4	43.51	1/4		1/4		1/4		1/4	
1/2	1,419.43	1/2	1,143.10	1/2	866.76	1/2	590.43	1/2	314.09	1/2	38.66	1/2		1/2		1/2		1/2	
3/4	1,413.68	3/4	1,137.34	3/4	861.00	3/4	584.67	3/4	308.33	3/4	33.82	3/4		3/4		3/4		3/4	
8	1,407.92	8	1,131.59	8	855.25	8	578.92	8	302.58	8	28.97	8		8		8		8	
1/4	1,402.17	1/4	1,125.83	1/4	849.49	1/4	573.16	1/4	296.82	1/4	24.13	1/4		1/4		1/4		1/4	
1/2	1,396.41	1/2	1,120.07	1/2	843.73	1/2	567.40	1/2	291.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,390.65	3/4	1,114.31	3/4	837.97	3/4	561.64	3/4	285.30	3/4		3/4		3/4		3/4		3/4	
9	1,384.90	9	1,108.56	9	832.22	9	555.89	9	279.55	9		9		9		9		9	
1/4	1,379.14	1/4	1,102.80	1/4	826.46	1/4	550.13	1/4	273.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,373.38	1/2	1,097.04	1/2	820.70	1/2	544.37	1/2	268.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,367.62	3/4	1,091.28	3/4	814.95	3/4	538.61	3/4	262.28	3/4		3/4		3/4		3/4		3/4	
10	1,361.87	10	1,085.53	10	809.19	10	532.86	10	256.52	10		10		10		10		10	
1/4	1,356.11	1/4	1,079.77	1/4	803.44	1/4	527.10	1/4	250.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,350.35	1/2	1,074.01	1/2	797.68	1/2	521.34	1/2	245.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,344.59	3/4	1,068.26	3/4	791.92	3/4	515.58	3/4	239.25	3/4		3/4		3/4		3/4		3/4	
11	1,338.84	11	1,062.50	11	786.17	11	509.83	11	233.50	11		11		11		11		11	
1/4	1,333.08	1/4	1,056.75	1/4	780.41	1/4	504.07	1/4	227.74	1/4		1/4		1/4		1/4		1/4	
1/2	1,327.32	1/2	1,050.99	1/2	774.65	1/2	498.31	1/2	221.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,321.56	3/4	1,045.23	3/4	768.89	3/4	492.56	3/4	216.22	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED:03/19/2009 INSP.
RECALCULATED:03/29/2019 SW
REPRINTED: 04/03/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

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