



# BARGE "HTCO 3009"

ULLAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/4	10-1/4	- 12-2/8	12-2/8
1 STBD	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/4	10-1/4	- 12-2/8	12-2/8
2 PORT	- 02-1/8	02-1/8	- 04-1/8	04-1/8	- 06-1/4	06-1/4	- 08-1/4	08-1/4	- 10-3/8	10-3/8	- 12-3/8	12-3/8
2 STBD	- 02-1/8	02-1/8	- 04-1/8	04-1/8	- 06-1/4	06-1/4	- 08-1/4	08-1/4	- 10-3/8	10-3/8	- 12-3/8	12-3/8
3 PORT	02-1/8	- 02-1/8	04-1/8	- 04-1/8	06-1/4	- 06-1/4	08-1/4	- 08-1/4	10-3/8	- 10-3/8	12-3/8	- 12-3/8
3 STBD	02-1/8	- 02-1/8	04-1/8	- 04-1/8	06-1/4	- 06-1/4	08-1/4	- 08-1/4	10-3/8	- 10-3/8	12-3/8	- 12-3/8

(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 04-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-04 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-00"

April 27, 2018

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

<http://www.pmacorp.net>



# BARGE "HTCO 3009"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

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	5,032.29	0	4,736.56	0	4,369.36	0	4,002.16	0	3,634.96	0	3,267.76	0	2,900.56	0	2,533.36
1/4	1/4	1/4	1/4	1/4	5,029.78	1/4	4,728.91	1/4	4,361.71	1/4	3,994.51	1/4	3,627.31	1/4	3,260.11	1/4	2,892.91	1/4	2,525.71
1/2	1/2	1/2	1/2	1/2	5,027.26	1/2	4,721.26	1/2	4,354.06	1/2	3,986.86	1/2	3,619.66	1/2	3,252.46	1/2	2,885.26	1/2	2,518.06
3/4	3/4	3/4	3/4	3/4	5,024.75	3/4	4,713.61	3/4	4,346.41	3/4	3,979.21	3/4	3,612.01	3/4	3,244.81	3/4	2,877.61	3/4	2,510.41
1		1		1	5,022.23	1	4,705.96	1	4,338.76	1	3,971.56	1	3,604.36	1	3,237.16	1	2,869.96	1	2,502.76
1/4	1/4	1/4	1/4	1/4	5,018.84	1/4	4,698.31	1/4	4,331.11	1/4	3,963.91	1/4	3,596.71	1/4	3,229.51	1/4	2,862.31	1/4	2,495.11
1/2	1/2	1/2	1/2	1/2	5,015.46	1/2	4,690.66	1/2	4,323.46	1/2	3,956.26	1/2	3,589.06	1/2	3,221.86	1/2	2,854.66	1/2	2,487.46
3/4	3/4	3/4	3/4	3/4	5,012.07	3/4	4,683.01	3/4	4,315.81	3/4	3,948.61	3/4	3,581.41	3/4	3,214.21	3/4	2,847.01	3/4	2,479.81
2		2		2	5,008.68	2	4,675.36	2	4,308.16	2	3,940.96	2	3,573.76	2	3,206.56	2	2,839.36	2	2,472.16
1/4	1/4	1/4	1/4	1/4	5,004.42	1/4	4,667.71	1/4	4,300.51	1/4	3,933.31	1/4	3,566.11	1/4	3,198.91	1/4	2,831.71	1/4	2,464.51
1/2	1/2	1/2	1/2	1/2	5,000.16	1/2	4,660.06	1/2	4,292.86	1/2	3,925.66	1/2	3,558.46	1/2	3,191.26	1/2	2,824.06	1/2	2,456.86
3/4	3/4	3/4	3/4	3/4	4,995.89	3/4	4,652.41	3/4	4,285.21	3/4	3,918.01	3/4	3,550.81	3/4	3,183.61	3/4	2,816.41	3/4	2,449.21
3		3		3	4,991.63	3	4,644.76	3	4,277.56	3	3,910.36	3	3,543.16	3	3,175.96	3	2,808.76	3	2,441.56
1/4	1/4	1/4	1/4	1/4	4,986.50	1/4	4,637.11	1/4	4,269.91	1/4	3,902.71	1/4	3,535.51	1/4	3,168.31	1/4	2,801.11	1/4	2,433.91
1/2	1/2	1/2	1/2	1/2	4,981.36	1/2	4,629.46	1/2	4,262.26	1/2	3,895.06	1/2	3,527.86	1/2	3,160.66	1/2	2,793.46	1/2	2,426.26
3/4	3/4	3/4	3/4	3/4	4,976.23	3/4	4,621.81	3/4	4,254.61	3/4	3,887.41	3/4	3,520.21	3/4	3,153.01	3/4	2,785.81	3/4	2,418.61
4		4		4	4,971.09	4	4,614.16	4	4,246.96	4	3,879.76	4	3,512.56	4	3,145.36	4	2,778.16	4	2,410.96
1/4	1/4	1/4	1/4	1/4	4,965.08	1/4	4,606.51	1/4	4,239.31	1/4	3,872.11	1/4	3,504.91	1/4	3,137.71	1/4	2,770.51	1/4	2,403.31
1/2	1/2	1/2	1/2	1/2	4,959.07	1/2	4,598.86	1/2	4,231.66	1/2	3,864.46	1/2	3,497.26	1/2	3,130.06	1/2	2,762.86	1/2	2,395.66
3/4	3/4	3/4	3/4	3/4	4,953.05	3/4	4,591.21	3/4	4,224.01	3/4	3,856.81	3/4	3,489.61	3/4	3,122.41	3/4	2,755.21	3/4	2,388.01
5		5		5	4,947.04	5	4,583.56	5	4,216.36	5	3,849.16	5	3,481.96	5	3,114.76	5	2,747.56	5	2,380.36
1/4	1/4	1/4	1/4	1/4	4,940.16	1/4	4,575.91	1/4	4,208.71	1/4	3,841.51	1/4	3,474.31	1/4	3,107.11	1/4	2,739.91	1/4	2,372.71
1/2	1/2	1/2	1/2	1/2	4,933.27	1/2	4,568.26	1/2	4,201.06	1/2	3,833.86	1/2	3,466.66	1/2	3,099.46	1/2	2,732.26	1/2	2,365.06
3/4	3/4	3/4	3/4	3/4	4,926.39	3/4	4,560.61	3/4	4,193.41	3/4	3,826.21	3/4	3,459.01	3/4	3,091.81	3/4	2,724.61	3/4	2,357.41
6		6		6	4,919.50	6	4,552.96	6	4,185.76	6	3,818.56	6	3,451.36	6	3,084.16	6	2,716.96	6	2,349.76
1/4	1/4	1/4	1/4	1/4	4,912.02	1/4	4,545.31	1/4	4,178.11	1/4	3,810.91	1/4	3,443.71	1/4	3,076.51	1/4	2,709.31	1/4	2,342.11
1/2	1/2	1/2	1/2	1/2	4,904.53	1/2	4,537.66	1/2	4,170.46	1/2	3,803.26	1/2	3,436.06	1/2	3,068.86	1/2	2,701.66	1/2	2,334.46
3/4	3/4	3/4	3/4	3/4	4,897.05	3/4	4,530.01	3/4	4,162.81	3/4	3,795.61	3/4	3,428.41	3/4	3,061.21	3/4	2,694.01	3/4	2,326.81
7		7		7	4,889.56	7	4,522.36	7	4,155.16	7	3,787.96	7	3,420.76	7	3,053.56	7	2,686.36	7	2,319.16
1/4	1/4	1/4	1/4	1/4	4,881.91	1/4	4,514.71	1/4	4,147.51	1/4	3,780.31	1/4	3,413.11	1/4	3,045.91	1/4	2,678.71	1/4	2,311.51
1/2	1/2	1/2	1/2	1/2	4,874.26	1/2	4,507.06	1/2	4,139.86	1/2	3,772.66	1/2	3,405.46	1/2	3,038.26	1/2	2,671.06	1/2	2,303.86
3/4	3/4	3/4	3/4	3/4	4,866.61	3/4	4,499.41	3/4	4,132.21	3/4	3,765.01	3/4	3,397.81	3/4	3,030.61	3/4	2,663.41	3/4	2,296.21
8		8		8	4,858.96	8	4,491.76	8	4,124.56	8	3,757.36	8	3,390.16	8	3,022.96	8	2,655.76	8	2,288.56
1/4	1/4	1/4	1/4	1/4	4,851.31	1/4	4,484.11	1/4	4,116.91	1/4	3,749.71	1/4	3,382.51	1/4	3,015.31	1/4	2,648.11	1/4	2,280.91
1/2	1/2	1/2	1/2	1/2	4,843.66	1/2	4,476.46	1/2	4,109.26	1/2	3,742.06	1/2	3,374.86	1/2	3,007.66	1/2	2,640.46	1/2	2,273.26
3/4	3/4	3/4	3/4	3/4	4,836.01	3/4	4,468.81	3/4	4,101.61	3/4	3,734.41	3/4	3,367.21	3/4	3,000.01	3/4	2,632.81	3/4	2,265.61
9		9		9	4,828.36	9	4,461.16	9	4,093.96	9	3,726.76	9	3,359.56	9	2,992.36	9	2,625.16	9	2,257.96
1/4	1/4	1/4	1/4	1/4	4,820.71	1/4	4,453.51	1/4	4,086.31	1/4	3,719.11	1/4	3,351.91	1/4	2,984.71	1/4	2,617.51	1/4	2,250.31
1/2	1/2	1/2	1/2	1/2	5,042.56	1/2	4,445.86	1/2	4,078.66	1/2	3,711.46	1/2	3,344.26	1/2	2,977.06	1/2	2,609.86	1/2	2,242.66
3/4	3/4	3/4	3/4	3/4	5,042.40	3/4	4,805.41	3/4	4,438.21	3/4	4,071.01	3/4	3,703.81	3/4	2,969.41	3/4	2,602.21	3/4	2,235.01
10		10		10	5,042.07	10	4,797.76	10	4,430.56	10	4,063.36	10	3,696.16	10	3,328.96	10	2,961.76	10	2,227.36
1/4	1/4	1/4	1/4	1/4	5,041.27	1/4	4,790.11	1/4	4,422.91	1/4	4,055.71	1/4	3,688.51	1/4	3,321.31	1/4	2,954.11	1/4	2,219.71
1/2	1/2	1/2	1/2	1/2	5,040.46	1/2	4,782.46	1/2	4,415.26	1/2	4,048.06	1/2	3,680.86	1/2	3,313.66	1/2	2,946.46	1/2	2,212.06
3/4	3/4	3/4	3/4	3/4	5,039.66	3/4	4,774.81	3/4	4,407.61	3/4	4,040.41	3/4	3,673.21	3/4	3,306.01	3/4	2,938.81	3/4	2,204.41
11		11		11	5,038.85	11	4,767.16	11	4,399.96	11	4,032.76	11	3,665.56	11	3,298.36	11	2,931.16	11	2,196.76
1/4	1/4	1/4	1/4	1/4	5,037.21	1/4	4,759.51	1/4	4,392.31	1/4	4,025.11	1/4	3,657.91	1/4	3,290.71	1/4	2,923.51	1/4	2,189.11
1/2	1/2	1/2	1/2	1/2	5,035.57	1/2	4,751.86	1/2	4,384.66	1/2	4,017.46	1/2	3,650.26	1/2	3,283.06	1/2	2,915.86	1/2	2,181.46
3/4	3/4	3/4	3/4	3/4	5,033.93	3/4	4,744.21	3/4	4,377.01	3/4	4,009.81	3/4	3,642.61	3/4	3,275.41	3/4	2,908.21	3/4	2,173.81

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 TO (TOP LIP OF HERMETIC VALVE ON EXPANSION DOME).

GAUGE POINT: (HERMETIC) LOCATED 02'-06" OFF CENTERLINE AND 03'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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<http://www.pmacorp.net>



# BARGE "HTCO 3009"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,166.16	0	1,798.96	0	1,431.76	0	1,064.56	0	707.66	0	371.54	0	57.20	0		0		0	
1/4	2,158.51	1/4	1,791.31	1/4	1,424.11	1/4	1,056.91	1/4	700.41	1/4	364.75	1/4	51.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,150.86	1/2	1,783.66	1/2	1,416.46	1/2	1,049.26	1/2	693.16	1/2	357.95	1/2	45.88	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,143.21	3/4	1,776.01	3/4	1,408.81	3/4	1,041.61	3/4	685.91	3/4	351.16	3/4	40.22	3/4	3/4	3/4	3/4	3/4	3/4
1	2,135.56	1	1,768.36	1	1,401.16	1	1,033.96	1	678.66	1	344.37	1	34.56	1	1	1	1	1	1
1/4	2,127.91	1/4	1,760.71	1/4	1,393.51	1/4	1,026.37	1/4	671.53	1/4	337.69	1/4	30.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,120.26	1/2	1,753.06	1/2	1,385.86	1/2	1,018.79	1/2	664.39	1/2	331.00	1/2	26.13	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,112.61	3/4	1,745.41	3/4	1,378.21	3/4	1,011.20	3/4	657.26	3/4	324.32	3/4	21.91	3/4	3/4	3/4	3/4	3/4	3/4
2	2,104.96	2	1,737.76	2	1,370.56	2	1,003.61	2	650.13	2	317.64	2	17.70	2	2	2	2	2	2
1/4	2,097.31	1/4	1,730.11	1/4	1,362.91	1/4	996.05	1/4	642.99	1/4	310.96	1/4	14.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,089.66	1/2	1,722.46	1/2	1,355.26	1/2	988.48	1/2	635.86	1/2	304.27	1/2	11.94	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,082.01	3/4	1,714.81	3/4	1,347.61	3/4	980.91	3/4	628.72	3/4	297.59	3/4	9.06	3/4	3/4	3/4	3/4	3/4	3/4
3	2,074.36	3	1,707.16	3	1,339.96	3	973.35	3	621.59	3	290.91	3	6.18	3	3	3	3	3	3
1/4	2,066.71	1/4	1,699.51	1/4	1,332.31	1/4	965.79	1/4	614.46	1/4	284.23	1/4	4.63	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,059.06	1/2	1,691.86	1/2	1,324.66	1/2	958.22	1/2	607.32	1/2	277.54	1/2	3.09	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,051.41	3/4	1,684.21	3/4	1,317.01	3/4	950.66	3/4	600.19	3/4	270.86	3/4	1.54	3/4	3/4	3/4	3/4	3/4	3/4
4	2,043.76	4	1,676.56	4	1,309.36	4	943.10	4	593.06	4	264.18	4	0.00	4	4	4	4	4	4
1/4	2,036.11	1/4	1,668.91	1/4	1,301.71	1/4	935.65	1/4	586.04	1/4	257.61	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,028.46	1/2	1,661.26	1/2	1,294.06	1/2	928.20	1/2	579.01	1/2	251.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,020.81	3/4	1,653.61	3/4	1,286.41	3/4	920.75	3/4	571.99	3/4	244.48	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	2,013.16	5	1,645.96	5	1,278.76	5	913.30	5	564.97	5	237.91	5		5	5	5	5	5	5
1/4	2,005.51	1/4	1,638.31	1/4	1,271.11	1/4	905.85	1/4	557.95	1/4	231.34	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,997.86	1/2	1,630.66	1/2	1,263.46	1/2	898.40	1/2	550.92	1/2	224.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,990.21	3/4	1,623.01	3/4	1,255.81	3/4	890.95	3/4	543.90	3/4	218.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,982.56	6	1,615.36	6	1,248.16	6	883.50	6	536.88	6	211.64	6		6	6	6	6	6	6
1/4	1,974.91	1/4	1,607.71	1/4	1,240.51	1/4	876.05	1/4	529.86	1/4	205.07	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,967.26	1/2	1,600.06	1/2	1,232.86	1/2	868.60	1/2	522.83	1/2	198.50	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,959.61	3/4	1,592.41	3/4	1,225.21	3/4	861.15	3/4	515.81	3/4	191.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,951.96	7	1,584.76	7	1,217.56	7	853.70	7	508.79	7	185.37	7		7	7	7	7	7	7
1/4	1,944.31	1/4	1,577.11	1/4	1,209.91	1/4	846.36	1/4	501.88	1/4	178.91	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,936.66	1/2	1,569.46	1/2	1,202.26	1/2	839.02	1/2	494.97	1/2	172.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,929.01	3/4	1,561.81	3/4	1,194.61	3/4	831.68	3/4	488.07	3/4	166.00	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,921.36	8	1,554.16	8	1,186.96	8	824.34	8	481.16	8	159.55	8		8	8	8	8	8	8
1/4	1,913.71	1/4	1,546.51	1/4	1,179.31	1/4	817.00	1/4	474.25	1/4	153.10	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,906.06	1/2	1,538.86	1/2	1,171.66	1/2	809.66	1/2	467.34	1/2	146.64	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,898.41	3/4	1,531.21	3/4	1,164.01	3/4	802.33	3/4	460.44	3/4	140.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,890.76	9	1,523.56	9	1,156.36	9	794.99	9	453.53	9	133.74	9		9	9	9	9	9	9
1/4	1,883.11	1/4	1,515.91	1/4	1,148.71	1/4	787.65	1/4	446.62	1/4	127.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,875.46	1/2	1,508.26	1/2	1,141.06	1/2	780.31	1/2	439.71	1/2	120.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,867.81	3/4	1,500.61	3/4	1,133.41	3/4	772.98	3/4	432.81	3/4	114.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,860.16	10	1,492.96	10	1,125.76	10	765.64	10	425.90	10	107.92	10		10	10	10	10	10	10
1/4	1,852.51	1/4	1,485.31	1/4	1,118.11	1/4	758.39	1/4	419.10	1/4	101.58	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,844.86	1/2	1,477.66	1/2	1,110.46	1/2	751.14	1/2	412.31	1/2	95.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,837.21	3/4	1,470.01	3/4	1,102.81	3/4	743.90	3/4	405.51	3/4	88.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,829.56	11	1,462.36	11	1,095.16	11	736.65	11	398.72	11	82.56	11		11	11	11	11	11	11
1/4	1,821.91	1/4	1,454.71	1/4	1,087.51	1/4	729.40	1/4	391.92	1/4	76.22	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,814.26	1/2	1,447.06	1/2	1,079.86	1/2	722.15	1/2	385.13	1/2	69.88	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,806.61	3/4	1,439.41	3/4	1,072.21	3/4	714.91	3/4	378.33	3/4	63.54	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/1995 INSP.  
RECOMPUTED: 04/27/2018 SW  
REPRINTED: 04/28/2018

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2018

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



# BARGE "HTCO 3009"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

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	5,032.29	0	4,736.56	0	4,369.36	0	4,002.16	0	3,634.96	0	3,267.76	0	2,900.56	0	2,533.36
1/4		1/4		1/4	5,029.78	1/4	4,728.91	1/4	4,361.71	1/4	3,994.51	1/4	3,627.31	1/4	3,260.11	1/4	2,892.91	1/4	2,525.71
1/2		1/2		1/2	5,027.26	1/2	4,721.26	1/2	4,354.06	1/2	3,986.86	1/2	3,619.66	1/2	3,252.46	1/2	2,885.26	1/2	2,518.06
3/4		3/4		3/4	5,024.75	3/4	4,713.61	3/4	4,346.41	3/4	3,979.21	3/4	3,612.01	3/4	3,244.81	3/4	2,877.61	3/4	2,510.41
1		1		1	5,022.23	1	4,705.96	1	4,338.76	1	3,971.56	1	3,604.36	1	3,237.16	1	2,869.96	1	2,502.76
1/4		1/4		1/4	5,018.84	1/4	4,698.31	1/4	4,331.11	1/4	3,963.91	1/4	3,596.71	1/4	3,229.51	1/4	2,862.31	1/4	2,495.11
1/2		1/2		1/2	5,015.46	1/2	4,690.66	1/2	4,323.46	1/2	3,956.26	1/2	3,589.06	1/2	3,221.86	1/2	2,854.66	1/2	2,487.46
3/4		3/4		3/4	5,012.07	3/4	4,683.01	3/4	4,315.81	3/4	3,948.61	3/4	3,581.41	3/4	3,214.21	3/4	2,847.01	3/4	2,479.81
2		2		2	5,008.68	2	4,675.36	2	4,308.16	2	3,940.96	2	3,573.76	2	3,206.56	2	2,839.36	2	2,472.16
1/4		1/4		1/4	5,004.42	1/4	4,667.71	1/4	4,300.51	1/4	3,933.31	1/4	3,566.11	1/4	3,198.91	1/4	2,831.71	1/4	2,464.51
1/2		1/2		1/2	5,000.16	1/2	4,660.06	1/2	4,292.86	1/2	3,925.66	1/2	3,558.46	1/2	3,191.26	1/2	2,824.06	1/2	2,456.86
3/4		3/4		3/4	4,995.89	3/4	4,652.41	3/4	4,285.21	3/4	3,918.01	3/4	3,550.81	3/4	3,183.61	3/4	2,816.41	3/4	2,449.21
3		3		3	4,991.63	3	4,644.76	3	4,277.56	3	3,910.36	3	3,543.16	3	3,175.96	3	2,808.76	3	2,441.56
1/4		1/4		1/4	4,986.50	1/4	4,637.11	1/4	4,269.91	1/4	3,902.71	1/4	3,535.51	1/4	3,168.31	1/4	2,801.11	1/4	2,433.91
1/2		1/2		1/2	4,981.36	1/2	4,629.46	1/2	4,262.26	1/2	3,895.06	1/2	3,527.86	1/2	3,160.66	1/2	2,793.46	1/2	2,426.26
3/4		3/4		3/4	4,976.23	3/4	4,621.81	3/4	4,254.61	3/4	3,887.41	3/4	3,520.21	3/4	3,153.01	3/4	2,785.81	3/4	2,418.61
4		4		4	4,971.09	4	4,614.16	4	4,246.96	4	3,879.76	4	3,512.56	4	3,145.36	4	2,778.16	4	2,410.96
1/4		1/4		1/4	4,965.08	1/4	4,606.51	1/4	4,239.31	1/4	3,872.11	1/4	3,504.91	1/4	3,137.71	1/4	2,770.51	1/4	2,403.31
1/2		1/2		1/2	4,959.07	1/2	4,598.86	1/2	4,231.66	1/2	3,864.46	1/2	3,497.26	1/2	3,130.06	1/2	2,762.86	1/2	2,395.66
3/4		3/4		3/4	4,953.05	3/4	4,591.21	3/4	4,224.01	3/4	3,856.81	3/4	3,489.61	3/4	3,122.41	3/4	2,755.21	3/4	2,388.01
5		5		5	4,947.04	5	4,583.56	5	4,216.36	5	3,849.16	5	3,481.96	5	3,114.76	5	2,747.56	5	2,380.36
1/4		1/4		1/4	4,940.16	1/4	4,575.91	1/4	4,208.71	1/4	3,841.51	1/4	3,474.31	1/4	3,107.11	1/4	2,739.91	1/4	2,372.71
1/2		1/2		1/2	4,933.27	1/2	4,568.26	1/2	4,201.06	1/2	3,833.86	1/2	3,466.66	1/2	3,099.46	1/2	2,732.26	1/2	2,365.06
3/4		3/4		3/4	4,926.39	3/4	4,560.61	3/4	4,193.41	3/4	3,826.21	3/4	3,459.01	3/4	3,091.81	3/4	2,724.61	3/4	2,357.41
6		6		6	4,919.50	6	4,552.96	6	4,185.76	6	3,818.56	6	3,451.36	6	3,084.16	6	2,716.96	6	2,349.76
1/4		1/4		1/4	4,912.02	1/4	4,545.31	1/4	4,178.11	1/4	3,810.91	1/4	3,443.71	1/4	3,076.51	1/4	2,709.31	1/4	2,342.11
1/2		1/2		1/2	4,904.53	1/2	4,537.66	1/2	4,170.46	1/2	3,803.26	1/2	3,436.06	1/2	3,068.86	1/2	2,701.66	1/2	2,334.46
3/4		3/4		3/4	4,897.05	3/4	4,530.01	3/4	4,162.81	3/4	3,795.61	3/4	3,428.41	3/4	3,061.21	3/4	2,694.01	3/4	2,326.81
7		7		7	4,889.56	7	4,522.36	7	4,155.16	7	3,787.96	7	3,420.76	7	3,053.56	7	2,686.36	7	2,319.16
1/4		1/4		1/4	4,881.91	1/4	4,514.71	1/4	4,147.51	1/4	3,780.31	1/4	3,413.11	1/4	3,045.91	1/4	2,678.71	1/4	2,311.51
1/2		1/2		1/2	4,874.26	1/2	4,507.06	1/2	4,139.86	1/2	3,772.66	1/2	3,405.46	1/2	3,038.26	1/2	2,671.06	1/2	2,303.86
3/4		3/4		3/4	4,866.61	3/4	4,499.41	3/4	4,132.21	3/4	3,765.01	3/4	3,397.81	3/4	3,030.61	3/4	2,663.41	3/4	2,296.21
8		8		8	4,858.96	8	4,491.76	8	4,124.56	8	3,757.36	8	3,390.16	8	3,022.96	8	2,655.76	8	2,288.56
1/4		1/4		1/4	4,851.31	1/4	4,484.11	1/4	4,116.91	1/4	3,749.71	1/4	3,382.51	1/4	3,015.31	1/4	2,648.11	1/4	2,280.91
1/2		1/2		1/2	4,843.66	1/2	4,476.46	1/2	4,109.26	1/2	3,742.06	1/2	3,374.86	1/2	3,007.66	1/2	2,640.46	1/2	2,273.26
3/4		3/4		3/4	4,836.01	3/4	4,468.81	3/4	4,101.61	3/4	3,734.41	3/4	3,367.21	3/4	3,000.01	3/4	2,632.81	3/4	2,265.61
9		9		9	4,828.36	9	4,461.16	9	4,093.96	9	3,726.76	9	3,359.56	9	2,992.36	9	2,625.16	9	2,257.96
1/4		1/4		1/4	4,820.71	1/4	4,453.51	1/4	4,086.31	1/4	3,719.11	1/4	3,351.91	1/4	2,984.71	1/4	2,617.51	1/4	2,250.31
1/2		1/2	5,042.56	1/2	4,813.06	1/2	4,445.86	1/2	4,078.66	1/2	3,711.46	1/2	3,344.26	1/2	2,977.06	1/2	2,609.86	1/2	2,242.66
3/4		3/4	5,042.40	3/4	4,805.41	3/4	4,438.21	3/4	4,071.01	3/4	3,703.81	3/4	3,336.61	3/4	2,969.41	3/4	2,602.21	3/4	2,235.01
10		10	5,042.07	10	4,797.76	10	4,430.56	10	4,063.36	10	3,696.16	10	3,328.96	10	2,961.76	10	2,594.56	10	2,227.36
1/4		1/4	5,041.27	1/4	4,790.11	1/4	4,422.91	1/4	4,055.71	1/4	3,688.51	1/4	3,321.31	1/4	2,954.11	1/4	2,586.91	1/4	2,219.71
1/2		1/2	5,040.46	1/2	4,782.46	1/2	4,415.26	1/2	4,048.06	1/2	3,680.86	1/2	3,313.66	1/2	2,946.46	1/2	2,579.26	1/2	2,212.06
3/4		3/4	5,039.66	3/4	4,774.81	3/4	4,407.61	3/4	4,040.41	3/4	3,673.21	3/4	3,306.01	3/4	2,938.81	3/4	2,571.61	3/4	2,204.41
11		11	5,038.85	11	4,767.16	11	4,399.96	11	4,032.76	11	3,665.56	11	3,298.36	11	2,931.16	11	2,563.96	11	2,196.76
1/4		1/4	5,037.21	1/4	4,759.51	1/4	4,392.31	1/4	4,025.11	1/4	3,657.91	1/4	3,290.71	1/4	2,923.51	1/4	2,556.31	1/4	2,189.11
1/2		1/2	5,035.57	1/2	4,751.86	1/2	4,384.66	1/2	4,017.46	1/2	3,650.26	1/2	3,283.06	1/2	2,915.86	1/2	2,548.66	1/2	2,181.46
3/4		3/4	5,033.93	3/4	4,744.21	3/4	4,377.01	3/4	4,009.81	3/4	3,642.61	3/4	3,275.41	3/4	2,908.21	3/4	2,541.01	3/4	2,173.81

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 TO (TOP LIP OF HERMETIC VALVE ON EXPANSION DOME).

GAUGE POINT: (HERMETIC) LOCATED 02'-06" OFF CENTERLINE AND 03'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HTCO 3009"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,166.16	0	1,798.96	0	1,431.76	0	1,064.56	0	707.66	0	371.54	0	57.20	0		0			
1/4	2,158.51	1/4	1,791.31	1/4	1,424.11	1/4	1,056.91	1/4	700.41	1/4	364.75	1/4	51.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,150.86	1/2	1,783.66	1/2	1,416.46	1/2	1,049.26	1/2	693.16	1/2	357.95	1/2	45.88	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,143.21	3/4	1,776.01	3/4	1,408.81	3/4	1,041.61	3/4	685.91	3/4	351.16	3/4	40.22	3/4	3/4	3/4	3/4	3/4	3/4
1	2,135.56	1	1,768.36	1	1,401.16	1	1,033.96	1	678.66	1	344.37	1	34.56	1	1	1	1	1	1
1/4	2,127.91	1/4	1,760.71	1/4	1,393.51	1/4	1,026.37	1/4	671.53	1/4	337.69	1/4	30.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,120.26	1/2	1,753.06	1/2	1,385.86	1/2	1,018.79	1/2	664.39	1/2	331.00	1/2	26.13	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,112.61	3/4	1,745.41	3/4	1,378.21	3/4	1,011.20	3/4	657.26	3/4	324.32	3/4	21.91	3/4	3/4	3/4	3/4	3/4	3/4
2	2,104.96	2	1,737.76	2	1,370.56	2	1,003.61	2	650.13	2	317.64	2	17.70	2	2	2	2	2	2
1/4	2,097.31	1/4	1,730.11	1/4	1,362.91	1/4	996.05	1/4	642.99	1/4	310.96	1/4	14.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,089.66	1/2	1,722.46	1/2	1,355.26	1/2	988.48	1/2	635.86	1/2	304.27	1/2	11.94	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,082.01	3/4	1,714.81	3/4	1,347.61	3/4	980.91	3/4	628.72	3/4	297.59	3/4	9.06	3/4	3/4	3/4	3/4	3/4	3/4
3	2,074.36	3	1,707.16	3	1,339.96	3	973.35	3	621.59	3	290.91	3	6.18	3	3	3	3	3	3
1/4	2,066.71	1/4	1,699.51	1/4	1,332.31	1/4	965.79	1/4	614.46	1/4	284.23	1/4	4.63	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,059.06	1/2	1,691.86	1/2	1,324.66	1/2	958.22	1/2	607.32	1/2	277.54	1/2	3.09	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,051.41	3/4	1,684.21	3/4	1,317.01	3/4	950.66	3/4	600.19	3/4	270.86	3/4	1.54	3/4	3/4	3/4	3/4	3/4	3/4
4	2,043.76	4	1,676.56	4	1,309.36	4	943.10	4	593.06	4	264.18	4	0.00	4	4	4	4	4	4
1/4	2,036.11	1/4	1,668.91	1/4	1,301.71	1/4	935.65	1/4	586.04	1/4	257.61	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,028.46	1/2	1,661.26	1/2	1,294.06	1/2	928.20	1/2	579.01	1/2	251.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,020.81	3/4	1,653.61	3/4	1,286.41	3/4	920.75	3/4	571.99	3/4	244.48	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	2,013.16	5	1,645.96	5	1,278.76	5	913.30	5	564.97	5	237.91	5		5	5	5	5	5	5
1/4	2,005.51	1/4	1,638.31	1/4	1,271.11	1/4	905.85	1/4	557.95	1/4	231.34	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,997.86	1/2	1,630.66	1/2	1,263.46	1/2	898.40	1/2	550.92	1/2	224.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,990.21	3/4	1,623.01	3/4	1,255.81	3/4	890.95	3/4	543.90	3/4	218.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,982.56	6	1,615.36	6	1,248.16	6	883.50	6	536.88	6	211.64	6		6	6	6	6	6	6
1/4	1,974.91	1/4	1,607.71	1/4	1,240.51	1/4	876.05	1/4	529.86	1/4	205.07	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,967.26	1/2	1,600.06	1/2	1,232.86	1/2	868.60	1/2	522.83	1/2	198.50	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,959.61	3/4	1,592.41	3/4	1,225.21	3/4	861.15	3/4	515.81	3/4	191.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,951.96	7	1,584.76	7	1,217.56	7	853.70	7	508.79	7	185.37	7		7	7	7	7	7	7
1/4	1,944.31	1/4	1,577.11	1/4	1,209.91	1/4	846.36	1/4	501.88	1/4	178.91	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,936.66	1/2	1,569.46	1/2	1,202.26	1/2	839.02	1/2	494.97	1/2	172.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,929.01	3/4	1,561.81	3/4	1,194.61	3/4	831.68	3/4	488.07	3/4	166.00	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,921.36	8	1,554.16	8	1,186.96	8	824.34	8	481.16	8	159.55	8		8	8	8	8	8	8
1/4	1,913.71	1/4	1,546.51	1/4	1,179.31	1/4	817.00	1/4	474.25	1/4	153.10	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,906.06	1/2	1,538.86	1/2	1,171.66	1/2	809.66	1/2	467.34	1/2	146.64	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,898.41	3/4	1,531.21	3/4	1,164.01	3/4	802.33	3/4	460.44	3/4	140.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,890.76	9	1,523.56	9	1,156.36	9	794.99	9	453.53	9	133.74	9		9	9	9	9	9	9
1/4	1,883.11	1/4	1,515.91	1/4	1,148.71	1/4	787.65	1/4	446.62	1/4	127.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,875.46	1/2	1,508.26	1/2	1,141.06	1/2	780.31	1/2	439.71	1/2	120.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,867.81	3/4	1,500.61	3/4	1,133.41	3/4	772.98	3/4	432.81	3/4	114.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,860.16	10	1,492.96	10	1,125.76	10	765.64	10	425.90	10	107.92	10		10	10	10	10	10	10
1/4	1,852.51	1/4	1,485.31	1/4	1,118.11	1/4	758.39	1/4	419.10	1/4	101.58	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,844.86	1/2	1,477.66	1/2	1,110.46	1/2	751.14	1/2	412.31	1/2	95.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,837.21	3/4	1,470.01	3/4	1,102.81	3/4	743.90	3/4	405.51	3/4	88.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,829.56	11	1,462.36	11	1,095.16	11	736.65	11	398.72	11	82.56	11		11	11	11	11	11	11
1/4	1,821.91	1/4	1,454.71	1/4	1,087.51	1/4	729.40	1/4	391.92	1/4	76.22	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,814.26	1/2	1,447.06	1/2	1,079.86	1/2	722.15	1/2	385.13	1/2	69.88	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,806.61	3/4	1,439.41	3/4	1,072.21	3/4	714.91	3/4	378.33	3/4	63.54	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/1995 INSP.  
RECOMPUTED: 04/27/2018 SW  
REPRINTED: 04/28/2018

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2018

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



# BARGE "HTCO 3009"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

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	5,176.64	0	4,878.21	0	4,507.65	0	4,137.09	0	3,766.53	0	3,395.97	0	3,025.41	0	2,654.85
1/4		1/4		1/4	5,174.10	1/4	4,870.49	1/4	4,499.93	1/4	4,129.37	1/4	3,758.81	1/4	3,388.25	1/4	3,017.69	1/4	2,647.13
1/2		1/2		1/2	5,171.57	1/2	4,862.77	1/2	4,492.21	1/2	4,121.65	1/2	3,751.09	1/2	3,380.53	1/2	3,009.97	1/2	2,639.41
3/4		3/4		3/4	5,169.03	3/4	4,855.05	3/4	4,484.49	3/4	4,113.93	3/4	3,743.37	3/4	3,372.81	3/4	3,002.25	3/4	2,631.69
1		1		1	5,166.49	1	4,847.33	1	4,476.77	1	4,106.21	1	3,735.65	1	3,365.09	1	2,994.53	1	2,623.97
1/4		1/4		1/4	5,163.07	1/4	4,839.61	1/4	4,469.05	1/4	4,098.49	1/4	3,727.93	1/4	3,357.37	1/4	2,986.81	1/4	2,616.25
1/2		1/2		1/2	5,159.65	1/2	4,831.89	1/2	4,461.33	1/2	4,090.77	1/2	3,720.21	1/2	3,349.65	1/2	2,979.09	1/2	2,608.53
3/4		3/4		3/4	5,156.23	3/4	4,824.17	3/4	4,453.61	3/4	4,083.05	3/4	3,712.49	3/4	3,341.93	3/4	2,971.37	3/4	2,600.81
2		2		2	5,152.81	2	4,816.45	2	4,445.89	2	4,075.33	2	3,704.77	2	3,334.21	2	2,963.65	2	2,593.09
1/4		1/4		1/4	5,148.51	1/4	4,808.73	1/4	4,438.17	1/4	4,067.61	1/4	3,697.05	1/4	3,326.49	1/4	2,955.93	1/4	2,585.37
1/2		1/2		1/2	5,144.21	1/2	4,801.01	1/2	4,430.45	1/2	4,059.89	1/2	3,689.33	1/2	3,318.77	1/2	2,948.21	1/2	2,577.65
3/4		3/4		3/4	5,139.91	3/4	4,793.29	3/4	4,422.73	3/4	4,052.17	3/4	3,681.61	3/4	3,311.05	3/4	2,940.49	3/4	2,569.93
3		3		3	5,135.61	3	4,785.57	3	4,415.01	3	4,044.45	3	3,673.89	3	3,303.33	3	2,932.77	3	2,562.21
1/4		1/4		1/4	5,130.43	1/4	4,777.85	1/4	4,407.29	1/4	4,036.73	1/4	3,666.17	1/4	3,295.61	1/4	2,925.05	1/4	2,554.49
1/2		1/2		1/2	5,125.25	1/2	4,770.13	1/2	4,399.57	1/2	4,029.01	1/2	3,658.45	1/2	3,287.89	1/2	2,917.33	1/2	2,546.77
3/4		3/4		3/4	5,120.06	3/4	4,762.41	3/4	4,391.85	3/4	4,021.29	3/4	3,650.73	3/4	3,280.17	3/4	2,909.61	3/4	2,539.05
4		4		4	5,114.88	4	4,754.69	4	4,384.13	4	4,013.57	4	3,643.01	4	3,272.45	4	2,901.89	4	2,531.33
1/4		1/4		1/4	5,108.81	1/4	4,746.97	1/4	4,376.41	1/4	4,005.85	1/4	3,635.29	1/4	3,264.73	1/4	2,894.17	1/4	2,523.61
1/2		1/2		1/2	5,102.75	1/2	4,739.25	1/2	4,368.69	1/2	3,998.13	1/2	3,627.57	1/2	3,257.01	1/2	2,886.45	1/2	2,515.89
3/4		3/4		3/4	5,096.68	3/4	4,731.53	3/4	4,360.97	3/4	3,990.41	3/4	3,619.85	3/4	3,249.29	3/4	2,878.73	3/4	2,508.17
5		5		5	5,090.61	5	4,723.81	5	4,353.25	5	3,982.69	5	3,612.13	5	3,241.57	5	2,871.01	5	2,500.45
1/4		1/4		1/4	5,083.67	1/4	4,716.09	1/4	4,345.53	1/4	3,974.97	1/4	3,604.41	1/4	3,233.85	1/4	2,863.29	1/4	2,492.73
1/2		1/2		1/2	5,076.72	1/2	4,708.37	1/2	4,337.81	1/2	3,967.25	1/2	3,596.69	1/2	3,226.13	1/2	2,855.57	1/2	2,485.01
3/4		3/4		3/4	5,069.78	3/4	4,700.65	3/4	4,330.09	3/4	3,959.53	3/4	3,588.97	3/4	3,218.41	3/4	2,847.85	3/4	2,477.29
6		6		6	5,062.83	6	4,692.93	6	4,322.37	6	3,951.81	6	3,581.25	6	3,210.69	6	2,840.13	6	2,469.57
1/4		1/4		1/4	5,055.28	1/4	4,685.21	1/4	4,314.65	1/4	3,944.09	1/4	3,573.53	1/4	3,202.97	1/4	2,832.41	1/4	2,461.85
1/2		1/2		1/2	5,047.72	1/2	4,677.49	1/2	4,306.93	1/2	3,936.37	1/2	3,565.81	1/2	3,195.25	1/2	2,824.69	1/2	2,454.13
3/4		3/4		3/4	5,040.17	3/4	4,669.77	3/4	4,299.21	3/4	3,928.65	3/4	3,558.09	3/4	3,187.53	3/4	2,816.97	3/4	2,446.41
7		7		7	5,032.61	7	4,662.05	7	4,291.49	7	3,920.93	7	3,550.37	7	3,179.81	7	2,809.25	7	2,438.69
1/4		1/4		1/4	5,024.89	1/4	4,654.33	1/4	4,283.77	1/4	3,913.21	1/4	3,542.65	1/4	3,172.09	1/4	2,801.53	1/4	2,430.97
1/2		1/2		1/2	5,017.17	1/2	4,646.61	1/2	4,276.05	1/2	3,905.49	1/2	3,534.93	1/2	3,164.37	1/2	2,793.81	1/2	2,423.25
3/4		3/4		3/4	5,009.45	3/4	4,638.89	3/4	4,268.33	3/4	3,897.77	3/4	3,527.21	3/4	3,156.65	3/4	2,786.09	3/4	2,415.53
8		8		8	5,001.73	8	4,631.17	8	4,260.61	8	3,890.05	8	3,519.49	8	3,148.93	8	2,778.37	8	2,407.81
1/4		1/4		1/4	4,994.01	1/4	4,623.45	1/4	4,252.89	1/4	3,882.33	1/4	3,511.77	1/4	3,141.21	1/4	2,770.65	1/4	2,400.09
1/2		1/2		1/2	4,986.29	1/2	4,615.73	1/2	4,245.17	1/2	3,874.61	1/2	3,504.05	1/2	3,133.49	1/2	2,762.93	1/2	2,392.37
3/4		3/4		3/4	4,978.57	3/4	4,608.01	3/4	4,237.45	3/4	3,866.89	3/4	3,496.33	3/4	3,125.77	3/4	2,755.21	3/4	2,384.65
9		9		9	4,970.85	9	4,600.29	9	4,229.73	9	3,859.17	9	3,488.61	9	3,118.05	9	2,747.49	9	2,376.93
1/4		1/4		1/4	4,963.13	1/4	4,592.57	1/4	4,222.01	1/4	3,851.45	1/4	3,480.89	1/4	3,110.33	1/4	2,739.77	1/4	2,369.21
1/2		1/2		1/2	5,187.34	1/2	4,955.41	1/2	4,584.85	1/2	4,214.29	1/2	3,843.73	1/2	3,473.17	1/2	3,102.61	1/2	2,732.05
3/4		3/4		3/4	5,187.12	3/4	4,947.69	3/4	4,577.13	3/4	4,206.57	3/4	3,836.01	3/4	3,465.45	3/4	3,094.89	3/4	2,724.33
10		10		10	5,186.68	10	4,939.97	10	4,569.41	10	4,198.85	10	3,828.29	10	3,457.73	10	3,087.17	10	2,716.61
1/4		1/4		1/4	5,185.83	1/4	4,932.25	1/4	4,561.69	1/4	4,191.13	1/4	3,820.57	1/4	3,450.01	1/4	3,079.45	1/4	2,708.89
1/2		1/2		1/2	5,184.97	1/2	4,924.53	1/2	4,553.97	1/2	4,183.41	1/2	3,812.85	1/2	3,442.29	1/2	3,071.73	1/2	2,701.17
3/4		3/4		3/4	5,184.12	3/4	4,916.81	3/4	4,546.25	3/4	4,175.69	3/4	3,805.13	3/4	3,434.57	3/4	3,064.01	3/4	2,693.45
11		11		11	5,183.26	11	4,909.09	11	4,538.53	11	4,167.97	11	3,797.41	11	3,426.85	11	3,056.29	11	2,685.73
1/4		1/4		1/4	5,181.61	1/4	4,901.37	1/4	4,530.81	1/4	4,160.25	1/4	3,789.69	1/4	3,419.13	1/4	3,048.57	1/4	2,678.01
1/2		1/2		1/2	5,179.95	1/2	4,893.65	1/2	4,523.09	1/2	4,152.53	1/2	3,781.97	1/2	3,411.41	1/2	3,040.85	1/2	2,670.29
3/4		3/4		3/4	5,178.30	3/4	4,885.93	3/4	4,515.37	3/4	4,144.81	3/4	3,774.25	3/4	3,403.69	3/4	3,033.13	3/4	2,662.57

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 TO (TOP LIP OF HERMETIC VALVE ON EXPANSION DOME).

GAUGE POINT: (HERMETIC) LOCATED 02'-06" OFF CENTERLINE AND 03'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HTCO 3009"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,284.29	0	1,913.73	0	1,543.17	0	1,172.61	0	802.88	0	432.32	0	61.76	0		0			
1/4	2,276.57	1/4	1,906.01	1/4	1,535.45	1/4	1,164.89	1/4	795.16	1/4	424.60	1/4	55.01	1/4	1/4	1/4			
1/2	2,268.85	1/2	1,898.29	1/2	1,527.73	1/2	1,157.17	1/2	787.44	1/2	416.88	1/2	48.25	1/2	1/2	1/2			
3/4	2,261.13	3/4	1,890.57	3/4	1,520.01	3/4	1,149.45	3/4	779.72	3/4	409.16	3/4	41.50	3/4	3/4	3/4			
1	2,253.41	1	1,882.85	1	1,512.29	1	1,141.73	1	772.00	1	401.44	1	34.74	1	1	1			
1/4	2,245.69	1/4	1,875.13	1/4	1,504.57	1/4	1,134.01	1/4	764.28	1/4	393.72	1/4	29.92	1/4	1/4	1/4			
1/2	2,237.97	1/2	1,867.41	1/2	1,496.85	1/2	1,126.29	1/2	756.56	1/2	386.00	1/2	25.10	1/2	1/2	1/2			
3/4	2,230.25	3/4	1,859.69	3/4	1,489.13	3/4	1,118.57	3/4	748.84	3/4	378.28	3/4	20.27	3/4	3/4	3/4			
2	2,222.53	2	1,851.97	2	1,481.41	2	1,110.85	2	741.12	2	370.56	2	15.45	2	2	2			
1/4	2,214.81	1/4	1,844.25	1/4	1,473.69	1/4	1,103.16	1/4	733.40	1/4	362.84	1/4	12.55	1/4	1/4	1/4			
1/2	2,207.09	1/2	1,836.53	1/2	1,465.97	1/2	1,095.46	1/2	725.68	1/2	355.12	1/2	9.66	1/2	1/2	1/2			
3/4	2,199.37	3/4	1,828.81	3/4	1,458.25	3/4	1,087.77	3/4	717.96	3/4	347.40	3/4	6.76	3/4	3/4	3/4			
3	2,191.65	3	1,821.09	3	1,450.53	3	1,080.07	3	710.24	3	339.68	3	3.86	3	3	3			
1/4	2,183.93	1/4	1,813.37	1/4	1,442.81	1/4	1,072.38	1/4	702.52	1/4	331.96	1/4	2.90	1/4	1/4	1/4			
1/2	2,176.21	1/2	1,805.65	1/2	1,435.09	1/2	1,064.69	1/2	694.80	1/2	324.24	1/2	1.93	1/2	1/2	1/2			
3/4	2,168.49	3/4	1,797.93	3/4	1,427.37	3/4	1,056.99	3/4	687.08	3/4	316.52	3/4	0.97	3/4	3/4	3/4			
4	2,160.77	4	1,790.21	4	1,419.65	4	1,049.30	4	679.36	4	308.80	4	0.00	4	4	4			
1/4	2,153.05	1/4	1,782.49	1/4	1,411.93	1/4	1,041.61	1/4	671.64	1/4	301.08	1/4		1/4	1/4	1/4			
1/2	2,145.33	1/2	1,774.77	1/2	1,404.21	1/2	1,033.91	1/2	663.92	1/2	293.36	1/2		1/2	1/2	1/2			
3/4	2,137.61	3/4	1,767.05	3/4	1,396.49	3/4	1,026.22	3/4	656.20	3/4	285.64	3/4		3/4	3/4	3/4			
5	2,129.89	5	1,759.33	5	1,388.77	5	1,018.52	5	648.48	5	277.92	5		5	5	5			
1/4	2,122.17	1/4	1,751.61	1/4	1,381.05	1/4	1,010.83	1/4	640.76	1/4	270.20	1/4		1/4	1/4	1/4			
1/2	2,114.45	1/2	1,743.89	1/2	1,373.33	1/2	1,003.13	1/2	633.04	1/2	262.48	1/2		1/2	1/2	1/2			
3/4	2,106.73	3/4	1,736.17	3/4	1,365.61	3/4	995.44	3/4	625.32	3/4	254.76	3/4		3/4	3/4	3/4			
6	2,099.01	6	1,728.45	6	1,357.89	6	987.74	6	617.60	6	247.04	6		6	6	6			
1/4	2,091.29	1/4	1,720.73	1/4	1,350.17	1/4	980.05	1/4	609.88	1/4	239.32	1/4		1/4	1/4	1/4			
1/2	2,083.57	1/2	1,713.01	1/2	1,342.45	1/2	972.36	1/2	602.16	1/2	231.60	1/2		1/2	1/2	1/2			
3/4	2,075.85	3/4	1,705.29	3/4	1,334.73	3/4	964.66	3/4	594.44	3/4	223.88	3/4		3/4	3/4	3/4			
7	2,068.13	7	1,697.57	7	1,327.01	7	956.97	7	586.72	7	216.16	7		7	7	7			
1/4	2,060.41	1/4	1,689.85	1/4	1,319.29	1/4	949.28	1/4	579.00	1/4	208.44	1/4		1/4	1/4	1/4			
1/2	2,052.69	1/2	1,682.13	1/2	1,311.57	1/2	941.58	1/2	571.28	1/2	200.72	1/2		1/2	1/2	1/2			
3/4	2,044.97	3/4	1,674.41	3/4	1,303.85	3/4	933.89	3/4	563.56	3/4	193.00	3/4		3/4	3/4	3/4			
8	2,037.25	8	1,666.69	8	1,296.13	8	926.19	8	555.84	8	185.28	8		8	8	8			
1/4	2,029.53	1/4	1,658.97	1/4	1,288.41	1/4	918.50	1/4	548.12	1/4	177.56	1/4		1/4	1/4	1/4			
1/2	2,021.81	1/2	1,651.25	1/2	1,280.69	1/2	910.81	1/2	540.40	1/2	169.84	1/2		1/2	1/2	1/2			
3/4	2,014.09	3/4	1,643.53	3/4	1,272.97	3/4	903.11	3/4	532.68	3/4	162.12	3/4		3/4	3/4	3/4			
9	2,006.37	9	1,635.81	9	1,265.25	9	895.42	9	524.96	9	154.40	9		9	9	9			
1/4	1,998.65	1/4	1,628.09	1/4	1,257.53	1/4	887.73	1/4	517.24	1/4	146.68	1/4		1/4	1/4	1/4			
1/2	1,990.93	1/2	1,620.37	1/2	1,249.81	1/2	880.03	1/2	509.52	1/2	138.96	1/2		1/2	1/2	1/2			
3/4	1,983.21	3/4	1,612.65	3/4	1,242.09	3/4	872.34	3/4	501.80	3/4	131.24	3/4		3/4	3/4	3/4			
10	1,975.49	10	1,604.93	10	1,234.37	10	864.64	10	494.08	10	123.52	10		10	10	10			
1/4	1,967.77	1/4	1,597.21	1/4	1,226.65	1/4	856.92	1/4	486.36	1/4	115.80	1/4		1/4	1/4	1/4			
1/2	1,960.05	1/2	1,589.49	1/2	1,218.93	1/2	849.20	1/2	478.64	1/2	108.08	1/2		1/2	1/2	1/2			
3/4	1,952.33	3/4	1,581.77	3/4	1,211.21	3/4	841.48	3/4	470.92	3/4	100.36	3/4		3/4	3/4	3/4			
11	1,944.61	11	1,574.05	11	1,203.49	11	833.76	11	463.20	11	92.64	11		11	11	11			
1/4	1,936.89	1/4	1,566.33	1/4	1,195.77	1/4	826.04	1/4	455.48	1/4	84.92	1/4		1/4	1/4	1/4			
1/2	1,929.17	1/2	1,558.61	1/2	1,188.05	1/2	818.32	1/2	447.76	1/2	77.20	1/2		1/2	1/2	1/2			
3/4	1,921.45	3/4	1,550.89	3/4	1,180.33	3/4	810.60	3/4	440.04	3/4	69.48	3/4		3/4	3/4	3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/1995 INSP.  
RECOMPUTED: 04/27/2018 SW  
REPRINTED: 04/28/2018

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2018

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



# BARGE "HTCO 3009"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

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	5,176.64	0	4,878.21	0	4,507.65	0	4,137.09	0	3,766.53	0	3,395.97	0	3,025.41	0	2,654.85
1/4		1/4		1/4	5,174.10	1/4	4,870.49	1/4	4,499.93	1/4	4,129.37	1/4	3,758.81	1/4	3,388.25	1/4	3,017.69	1/4	2,647.13
1/2		1/2		1/2	5,171.57	1/2	4,862.77	1/2	4,492.21	1/2	4,121.65	1/2	3,751.09	1/2	3,380.53	1/2	3,009.97	1/2	2,639.41
3/4		3/4		3/4	5,169.03	3/4	4,855.05	3/4	4,484.49	3/4	4,113.93	3/4	3,743.37	3/4	3,372.81	3/4	3,002.25	3/4	2,631.69
1		1		1	5,166.49	1	4,847.33	1	4,476.77	1	4,106.21	1	3,735.65	1	3,365.09	1	2,994.53	1	2,623.97
1/4		1/4		1/4	5,163.07	1/4	4,839.61	1/4	4,469.05	1/4	4,098.49	1/4	3,727.93	1/4	3,357.37	1/4	2,986.81	1/4	2,616.25
1/2		1/2		1/2	5,159.65	1/2	4,831.89	1/2	4,461.33	1/2	4,090.77	1/2	3,720.21	1/2	3,349.65	1/2	2,979.09	1/2	2,608.53
3/4		3/4		3/4	5,156.23	3/4	4,824.17	3/4	4,453.61	3/4	4,083.05	3/4	3,712.49	3/4	3,341.93	3/4	2,971.37	3/4	2,600.81
2		2		2	5,152.81	2	4,816.45	2	4,445.89	2	4,075.33	2	3,704.77	2	3,334.21	2	2,963.65	2	2,593.09
1/4		1/4		1/4	5,148.51	1/4	4,808.73	1/4	4,438.17	1/4	4,067.61	1/4	3,697.05	1/4	3,326.49	1/4	2,955.93	1/4	2,585.37
1/2		1/2		1/2	5,144.21	1/2	4,801.01	1/2	4,430.45	1/2	4,059.89	1/2	3,689.33	1/2	3,318.77	1/2	2,948.21	1/2	2,577.65
3/4		3/4		3/4	5,139.91	3/4	4,793.29	3/4	4,422.73	3/4	4,052.17	3/4	3,681.61	3/4	3,311.05	3/4	2,940.49	3/4	2,569.93
3		3		3	5,135.61	3	4,785.57	3	4,415.01	3	4,044.45	3	3,673.89	3	3,303.33	3	2,932.77	3	2,562.21
1/4		1/4		1/4	5,130.43	1/4	4,777.85	1/4	4,407.29	1/4	4,036.73	1/4	3,666.17	1/4	3,295.61	1/4	2,925.05	1/4	2,554.49
1/2		1/2		1/2	5,125.25	1/2	4,770.13	1/2	4,399.57	1/2	4,029.01	1/2	3,658.45	1/2	3,287.89	1/2	2,917.33	1/2	2,546.77
3/4		3/4		3/4	5,120.06	3/4	4,762.41	3/4	4,391.85	3/4	4,021.29	3/4	3,650.73	3/4	3,280.17	3/4	2,909.61	3/4	2,539.05
4		4		4	5,114.88	4	4,754.69	4	4,384.13	4	4,013.57	4	3,643.01	4	3,272.45	4	2,901.89	4	2,531.33
1/4		1/4		1/4	5,108.81	1/4	4,746.97	1/4	4,376.41	1/4	4,005.85	1/4	3,635.29	1/4	3,264.73	1/4	2,894.17	1/4	2,523.61
1/2		1/2		1/2	5,102.75	1/2	4,739.25	1/2	4,368.69	1/2	3,998.13	1/2	3,627.57	1/2	3,257.01	1/2	2,886.45	1/2	2,515.89
3/4		3/4		3/4	5,096.68	3/4	4,731.53	3/4	4,360.97	3/4	3,990.41	3/4	3,619.85	3/4	3,249.29	3/4	2,878.73	3/4	2,508.17
5		5		5	5,090.61	5	4,723.81	5	4,353.25	5	3,982.69	5	3,612.13	5	3,241.57	5	2,871.01	5	2,500.45
1/4		1/4		1/4	5,083.67	1/4	4,716.09	1/4	4,345.53	1/4	3,974.97	1/4	3,604.41	1/4	3,233.85	1/4	2,863.29	1/4	2,492.73
1/2		1/2		1/2	5,076.72	1/2	4,708.37	1/2	4,337.81	1/2	3,967.25	1/2	3,596.69	1/2	3,226.13	1/2	2,855.57	1/2	2,485.01
3/4		3/4		3/4	5,069.78	3/4	4,700.65	3/4	4,330.09	3/4	3,959.53	3/4	3,588.97	3/4	3,218.41	3/4	2,847.85	3/4	2,477.29
6		6		6	5,062.83	6	4,692.93	6	4,322.37	6	3,951.81	6	3,581.25	6	3,210.69	6	2,840.13	6	2,469.57
1/4		1/4		1/4	5,055.28	1/4	4,685.21	1/4	4,314.65	1/4	3,944.09	1/4	3,573.53	1/4	3,202.97	1/4	2,832.41	1/4	2,461.85
1/2		1/2		1/2	5,047.72	1/2	4,677.49	1/2	4,306.93	1/2	3,936.37	1/2	3,565.81	1/2	3,195.25	1/2	2,824.69	1/2	2,454.13
3/4		3/4		3/4	5,040.17	3/4	4,669.77	3/4	4,299.21	3/4	3,928.65	3/4	3,558.09	3/4	3,187.53	3/4	2,816.97	3/4	2,446.41
7		7		7	5,032.61	7	4,662.05	7	4,291.49	7	3,920.93	7	3,550.37	7	3,179.81	7	2,809.25	7	2,438.69
1/4		1/4		1/4	5,024.89	1/4	4,654.33	1/4	4,283.77	1/4	3,913.21	1/4	3,542.65	1/4	3,172.09	1/4	2,801.53	1/4	2,430.97
1/2		1/2		1/2	5,017.17	1/2	4,646.61	1/2	4,276.05	1/2	3,905.49	1/2	3,534.93	1/2	3,164.37	1/2	2,793.81	1/2	2,423.25
3/4		3/4		3/4	5,009.45	3/4	4,638.89	3/4	4,268.33	3/4	3,897.77	3/4	3,527.21	3/4	3,156.65	3/4	2,786.09	3/4	2,415.53
8		8		8	5,001.73	8	4,631.17	8	4,260.61	8	3,890.05	8	3,519.49	8	3,148.93	8	2,778.37	8	2,407.81
1/4		1/4		1/4	4,994.01	1/4	4,623.45	1/4	4,252.89	1/4	3,882.33	1/4	3,511.77	1/4	3,141.21	1/4	2,770.65	1/4	2,400.09
1/2		1/2		1/2	4,986.29	1/2	4,615.73	1/2	4,245.17	1/2	3,874.61	1/2	3,504.05	1/2	3,133.49	1/2	2,762.93	1/2	2,392.37
3/4		3/4		3/4	4,978.57	3/4	4,608.01	3/4	4,237.45	3/4	3,866.89	3/4	3,496.33	3/4	3,125.77	3/4	2,755.21	3/4	2,384.65
9		9		9	4,970.85	9	4,600.29	9	4,229.73	9	3,859.17	9	3,488.61	9	3,118.05	9	2,747.49	9	2,376.93
1/4		1/4		1/4	4,963.13	1/4	4,592.57	1/4	4,222.01	1/4	3,851.45	1/4	3,480.89	1/4	3,110.33	1/4	2,739.77	1/4	2,369.21
1/2		1/2		1/2	5,187.34	1/2	4,955.41	1/2	4,584.85	1/2	4,214.29	1/2	3,843.73	1/2	3,473.17	1/2	3,102.61	1/2	2,732.05
3/4		3/4		3/4	5,187.12	3/4	4,947.69	3/4	4,577.13	3/4	4,206.57	3/4	3,836.01	3/4	3,465.45	3/4	3,094.89	3/4	2,724.33
10		10		10	5,186.68	10	4,939.97	10	4,569.41	10	4,198.85	10	3,828.29	10	3,457.73	10	3,087.17	10	2,716.61
1/4		1/4		1/4	5,185.83	1/4	4,932.25	1/4	4,561.69	1/4	4,191.13	1/4	3,820.57	1/4	3,450.01	1/4	3,079.45	1/4	2,708.89
1/2		1/2		1/2	5,184.97	1/2	4,924.53	1/2	4,553.97	1/2	4,183.41	1/2	3,812.85	1/2	3,442.29	1/2	3,071.73	1/2	2,701.17
3/4		3/4		3/4	5,184.12	3/4	4,916.81	3/4	4,546.25	3/4	4,175.69	3/4	3,805.13	3/4	3,434.57	3/4	3,064.01	3/4	2,693.45
11		11		11	5,183.26	11	4,909.09	11	4,538.53	11	4,167.97	11	3,797.41	11	3,426.85	11	3,056.29	11	2,685.73
1/4		1/4		1/4	5,181.61	1/4	4,901.37	1/4	4,530.81	1/4	4,160.25	1/4	3,789.69	1/4	3,419.13	1/4	3,048.57	1/4	2,678.01
1/2		1/2		1/2	5,179.95	1/2	4,893.65	1/2	4,523.09	1/2	4,152.53	1/2	3,781.97	1/2	3,411.41	1/2	3,040.85	1/2	2,670.29
3/4		3/4		3/4	5,178.30	3/4	4,885.93	3/4	4,515.37	3/4	4,144.81	3/4	3,774.25	3/4	3,403.69	3/4	3,033.13	3/4	2,662.57

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 TO (TOP LIP OF HERMETIC VALVE ON EXPANSION DOME).

GAUGE POINT: (HERMETIC) LOCATED 02'-06" OFF CENTERLINE AND 03'-09" FORWARD OF AFT BULKHEAD.

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





# BARGE "HTCO 3009"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,284.29	0	1,913.73	0	1,543.17	0	1,172.61	0	802.88	0	432.32	0	61.76	0		0			
1/4	2,276.57	1/4	1,906.01	1/4	1,535.45	1/4	1,164.89	1/4	795.16	1/4	424.60	1/4	55.01	1/4	1/4	1/4			
1/2	2,268.85	1/2	1,898.29	1/2	1,527.73	1/2	1,157.17	1/2	787.44	1/2	416.88	1/2	48.25	1/2	1/2	1/2			
3/4	2,261.13	3/4	1,890.57	3/4	1,520.01	3/4	1,149.45	3/4	779.72	3/4	409.16	3/4	41.50	3/4	3/4	3/4			
1	2,253.41	1	1,882.85	1	1,512.29	1	1,141.73	1	772.00	1	401.44	1	34.74	1	1	1			
1/4	2,245.69	1/4	1,875.13	1/4	1,504.57	1/4	1,134.01	1/4	764.28	1/4	393.72	1/4	29.92	1/4	1/4	1/4			
1/2	2,237.97	1/2	1,867.41	1/2	1,496.85	1/2	1,126.29	1/2	756.56	1/2	386.00	1/2	25.10	1/2	1/2	1/2			
3/4	2,230.25	3/4	1,859.69	3/4	1,489.13	3/4	1,118.57	3/4	748.84	3/4	378.28	3/4	20.27	3/4	3/4	3/4			
2	2,222.53	2	1,851.97	2	1,481.41	2	1,110.85	2	741.12	2	370.56	2	15.45	2	2	2			
1/4	2,214.81	1/4	1,844.25	1/4	1,473.69	1/4	1,103.16	1/4	733.40	1/4	362.84	1/4	12.55	1/4	1/4	1/4			
1/2	2,207.09	1/2	1,836.53	1/2	1,465.97	1/2	1,095.46	1/2	725.68	1/2	355.12	1/2	9.66	1/2	1/2	1/2			
3/4	2,199.37	3/4	1,828.81	3/4	1,458.25	3/4	1,087.77	3/4	717.96	3/4	347.40	3/4	6.76	3/4	3/4	3/4			
3	2,191.65	3	1,821.09	3	1,450.53	3	1,080.07	3	710.24	3	339.68	3	3.86	3	3	3			
1/4	2,183.93	1/4	1,813.37	1/4	1,442.81	1/4	1,072.38	1/4	702.52	1/4	331.96	1/4	2.90	1/4	1/4	1/4			
1/2	2,176.21	1/2	1,805.65	1/2	1,435.09	1/2	1,064.69	1/2	694.80	1/2	324.24	1/2	1.93	1/2	1/2	1/2			
3/4	2,168.49	3/4	1,797.93	3/4	1,427.37	3/4	1,056.99	3/4	687.08	3/4	316.52	3/4	0.97	3/4	3/4	3/4			
4	2,160.77	4	1,790.21	4	1,419.65	4	1,049.30	4	679.36	4	308.80	4	0.00	4	4	4			
1/4	2,153.05	1/4	1,782.49	1/4	1,411.93	1/4	1,041.61	1/4	671.64	1/4	301.08	1/4		1/4	1/4	1/4			
1/2	2,145.33	1/2	1,774.77	1/2	1,404.21	1/2	1,033.91	1/2	663.92	1/2	293.36	1/2		1/2	1/2	1/2			
3/4	2,137.61	3/4	1,767.05	3/4	1,396.49	3/4	1,026.22	3/4	656.20	3/4	285.64	3/4		3/4	3/4	3/4			
5	2,129.89	5	1,759.33	5	1,388.77	5	1,018.52	5	648.48	5	277.92	5		5	5	5			
1/4	2,122.17	1/4	1,751.61	1/4	1,381.05	1/4	1,010.83	1/4	640.76	1/4	270.20	1/4		1/4	1/4	1/4			
1/2	2,114.45	1/2	1,743.89	1/2	1,373.33	1/2	1,003.13	1/2	633.04	1/2	262.48	1/2		1/2	1/2	1/2			
3/4	2,106.73	3/4	1,736.17	3/4	1,365.61	3/4	995.44	3/4	625.32	3/4	254.76	3/4		3/4	3/4	3/4			
6	2,099.01	6	1,728.45	6	1,357.89	6	987.74	6	617.60	6	247.04	6		6	6	6			
1/4	2,091.29	1/4	1,720.73	1/4	1,350.17	1/4	980.05	1/4	609.88	1/4	239.32	1/4		1/4	1/4	1/4			
1/2	2,083.57	1/2	1,713.01	1/2	1,342.45	1/2	972.36	1/2	602.16	1/2	231.60	1/2		1/2	1/2	1/2			
3/4	2,075.85	3/4	1,705.29	3/4	1,334.73	3/4	964.66	3/4	594.44	3/4	223.88	3/4		3/4	3/4	3/4			
7	2,068.13	7	1,697.57	7	1,327.01	7	956.97	7	586.72	7	216.16	7		7	7	7			
1/4	2,060.41	1/4	1,689.85	1/4	1,319.29	1/4	949.28	1/4	579.00	1/4	208.44	1/4		1/4	1/4	1/4			
1/2	2,052.69	1/2	1,682.13	1/2	1,311.57	1/2	941.58	1/2	571.28	1/2	200.72	1/2		1/2	1/2	1/2			
3/4	2,044.97	3/4	1,674.41	3/4	1,303.85	3/4	933.89	3/4	563.56	3/4	193.00	3/4		3/4	3/4	3/4			
8	2,037.25	8	1,666.69	8	1,296.13	8	926.19	8	555.84	8	185.28	8		8	8	8			
1/4	2,029.53	1/4	1,658.97	1/4	1,288.41	1/4	918.50	1/4	548.12	1/4	177.56	1/4		1/4	1/4	1/4			
1/2	2,021.81	1/2	1,651.25	1/2	1,280.69	1/2	910.81	1/2	540.40	1/2	169.84	1/2		1/2	1/2	1/2			
3/4	2,014.09	3/4	1,643.53	3/4	1,272.97	3/4	903.11	3/4	532.68	3/4	162.12	3/4		3/4	3/4	3/4			
9	2,006.37	9	1,635.81	9	1,265.25	9	895.42	9	524.96	9	154.40	9		9	9	9			
1/4	1,998.65	1/4	1,628.09	1/4	1,257.53	1/4	887.73	1/4	517.24	1/4	146.68	1/4		1/4	1/4	1/4			
1/2	1,990.93	1/2	1,620.37	1/2	1,249.81	1/2	880.03	1/2	509.52	1/2	138.96	1/2		1/2	1/2	1/2			
3/4	1,983.21	3/4	1,612.65	3/4	1,242.09	3/4	872.34	3/4	501.80	3/4	131.24	3/4		3/4	3/4	3/4			
10	1,975.49	10	1,604.93	10	1,234.37	10	864.64	10	494.08	10	123.52	10		10	10	10			
1/4	1,967.77	1/4	1,597.21	1/4	1,226.65	1/4	856.92	1/4	486.36	1/4	115.80	1/4		1/4	1/4	1/4			
1/2	1,960.05	1/2	1,589.49	1/2	1,218.93	1/2	849.20	1/2	478.64	1/2	108.08	1/2		1/2	1/2	1/2			
3/4	1,952.33	3/4	1,581.77	3/4	1,211.21	3/4	841.48	3/4	470.92	3/4	100.36	3/4		3/4	3/4	3/4			
11	1,944.61	11	1,574.05	11	1,203.49	11	833.76	11	463.20	11	92.64	11		11	11	11			
1/4	1,936.89	1/4	1,566.33	1/4	1,195.77	1/4	826.04	1/4	455.48	1/4	84.92	1/4		1/4	1/4	1/4			
1/2	1,929.17	1/2	1,558.61	1/2	1,188.05	1/2	818.32	1/2	447.76	1/2	77.20	1/2		1/2	1/2	1/2			
3/4	1,921.45	3/4	1,550.89	3/4	1,180.33	3/4	810.60	3/4	440.04	3/4	69.48	3/4		3/4	3/4	3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/1995 INSP.  
RECOMPUTED: 04/27/2018 SW  
REPRINTED: 04/28/2018

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2018

PRECISION MEASUREMENT  
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# BARGE "HTCO 3009"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	4,569.71	0	4,389.69	0	4,161.49	0	3,933.30	0	3,705.11	0	3,409.87	0	3,038.63	0	2,667.40
1/4		1/4		1/4	4,568.69	1/4	4,384.93	1/4	4,156.74	1/4	3,928.55	1/4	3,700.35	1/4	3,402.14	1/4	3,030.90	1/4	2,659.67
1/2		1/2		1/2	4,567.13	1/2	4,380.18	1/2	4,151.99	1/2	3,923.80	1/2	3,695.60	1/2	3,394.40	1/2	3,023.17	1/2	2,651.94
3/4		3/4		3/4	4,565.57	3/4	4,375.42	3/4	4,147.23	3/4	3,919.04	3/4	3,690.85	3/4	3,386.67	3/4	3,015.43	3/4	2,644.20
1		1		1	4,564.01	1	4,370.67	1	4,142.48	1	3,914.29	1	3,686.09	1	3,378.93	1	3,007.70	1	2,636.47
1/4		1/4		1/4	4,562.45	1/4	4,365.91	1/4	4,137.72	1/4	3,909.53	1/4	3,681.34	1/4	3,371.20	1/4	2,999.97	1/4	2,628.74
1/2		1/2		1/2	4,560.35	1/2	4,361.16	1/2	4,132.97	1/2	3,904.78	1/2	3,676.59	1/2	3,363.46	1/2	2,992.23	1/2	2,621.00
3/4		3/4		3/4	4,558.25	3/4	4,356.41	3/4	4,128.22	3/4	3,900.02	3/4	3,671.83	3/4	3,355.73	3/4	2,984.50	3/4	2,613.27
2		2		2	4,556.14	2	4,351.65	2	4,123.46	2	3,895.27	2	3,667.08	2	3,347.99	2	2,976.76	2	2,605.53
1/4		1/4		1/4	4,554.04	1/4	4,346.90	1/4	4,118.71	1/4	3,890.51	1/4	3,662.32	1/4	3,340.26	1/4	2,969.03	1/4	2,597.80
1/2		1/2		1/2	4,551.39	1/2	4,342.15	1/2	4,113.96	1/2	3,885.76	1/2	3,657.57	1/2	3,332.53	1/2	2,961.30	1/2	2,590.06
3/4		3/4		3/4	4,548.75	3/4	4,337.39	3/4	4,109.20	3/4	3,881.01	3/4	3,652.82	3/4	3,324.79	3/4	2,953.56	3/4	2,582.33
3		3		3	4,546.10	3	4,332.64	3	4,104.45	3	3,876.25	3	3,648.06	3	3,317.06	3	2,945.83	3	2,574.59
1/4		1/4		1/4	4,543.45	1/4	4,327.88	1/4	4,099.69	1/4	3,871.50	1/4	3,643.31	1/4	3,309.33	1/4	2,938.10	1/4	2,566.86
1/2		1/2		1/2	4,540.26	1/2	4,323.13	1/2	4,094.94	1/2	3,866.75	1/2	3,638.43	1/2	3,301.59	1/2	2,930.36	1/2	2,559.13
3/4		3/4		3/4	4,537.07	3/4	4,318.38	3/4	4,090.18	3/4	3,861.99	3/4	3,633.55	3/4	3,293.86	3/4	2,922.63	3/4	2,551.39
4		4		4	4,533.87	4	4,313.62	4	4,085.43	4	3,857.24	4	3,628.67	4	3,286.12	4	2,914.89	4	2,543.66
1/4		1/4		1/4	4,530.68	1/4	4,308.87	1/4	4,080.67	1/4	3,852.48	1/4	3,623.79	1/4	3,278.39	1/4	2,907.16	1/4	2,535.93
1/2		1/2		1/2	4,526.94	1/2	4,304.12	1/2	4,075.92	1/2	3,847.73	1/2	3,618.47	1/2	3,270.66	1/2	2,899.42	1/2	2,528.19
3/4		3/4		3/4	4,523.21	3/4	4,299.36	3/4	4,071.17	3/4	3,842.98	3/4	3,613.15	3/4	3,262.92	3/4	2,891.69	3/4	2,520.46
5		5		5	4,519.47	5	4,294.61	5	4,066.41	5	3,838.22	5	3,607.83	5	3,255.19	5	2,883.95	5	2,512.72
1/4		1/4		1/4	4,515.73	1/4	4,289.85	1/4	4,061.66	1/4	3,833.47	1/4	3,602.51	1/4	3,247.46	1/4	2,876.22	1/4	2,504.99
1/2		1/2		1/2	4,511.45	1/2	4,285.10	1/2	4,056.91	1/2	3,828.72	1/2	3,596.62	1/2	3,239.72	1/2	2,868.49	1/2	2,497.26
3/4		3/4		3/4	4,507.18	3/4	4,280.34	3/4	4,052.15	3/4	3,823.96	3/4	3,590.73	3/4	3,231.99	3/4	2,860.75	3/4	2,489.52
6		6		6	4,502.90	6	4,275.59	6	4,047.40	6	3,819.21	6	3,584.84	6	3,224.25	6	2,853.02	6	2,481.79
1/4		1/4		1/4	4,498.62	1/4	4,270.83	1/4	4,042.64	1/4	3,814.45	1/4	3,578.95	1/4	3,216.52	1/4	2,845.29	1/4	2,474.06
1/2		1/2		1/2	4,493.97	1/2	4,266.08	1/2	4,037.89	1/2	3,809.70	1/2	3,572.49	1/2	3,208.78	1/2	2,837.55	1/2	2,466.32
3/4		3/4		3/4	4,489.32	3/4	4,261.33	3/4	4,033.14	3/4	3,804.94	3/4	3,566.04	3/4	3,201.05	3/4	2,829.82	3/4	2,458.59
7		7		7	4,484.66	7	4,256.57	7	4,028.38	7	3,800.19	7	3,559.58	7	3,193.31	7	2,822.08	7	2,450.85
1/4		1/4		1/4	4,480.01	1/4	4,251.82	1/4	4,023.63	1/4	3,795.43	1/4	3,553.12	1/4	3,185.58	1/4	2,814.35	1/4	2,443.12
1/2		1/2		1/2	4,475.26	1/2	4,247.07	1/2	4,018.88	1/2	3,790.68	1/2	3,546.10	1/2	3,177.85	1/2	2,806.62	1/2	2,435.38
3/4		3/4		3/4	4,470.50	3/4	4,242.31	3/4	4,014.12	3/4	3,785.93	3/4	3,539.08	3/4	3,170.11	3/4	2,798.88	3/4	2,427.65
8		8		8	4,465.75	8	4,237.56	8	4,009.37	8	3,781.17	8	3,532.05	8	3,162.38	8	2,791.15	8	2,419.91
1/4		1/4		1/4	4,460.99	1/4	4,232.80	1/4	4,004.61	1/4	3,776.42	1/4	3,525.03	1/4	3,154.65	1/4	2,783.42	1/4	2,412.18
1/2		1/2		1/2	4,456.24	1/2	4,228.05	1/2	3,999.86	1/2	3,771.67	1/2	3,517.51	1/2	3,146.91	1/2	2,775.68	1/2	2,404.45
3/4		3/4		3/4	4,451.49	3/4	4,223.30	3/4	3,995.10	3/4	3,766.91	3/4	3,509.99	3/4	3,139.18	3/4	2,767.95	3/4	2,396.71
9		9		9	4,446.73	9	4,218.54	9	3,990.35	9	3,762.16	9	3,502.46	9	3,131.44	9	2,760.21	9	2,388.98
1/4		1/4		1/4	4,441.98	1/4	4,213.79	1/4	3,985.59	1/4	3,757.40	1/4	3,494.94	1/4	3,123.71	1/4	2,752.48	1/4	2,381.25
1/2		1/2		1/2	4,437.23	1/2	4,209.04	1/2	3,980.84	1/2	3,752.65	1/2	3,487.21	1/2	3,115.98	1/2	2,744.74	1/2	2,373.51
3/4		3/4	4,575.06	3/4	4,432.47	3/4	4,204.28	3/4	3,976.09	3/4	3,747.90	3/4	3,479.47	3/4	3,108.24	3/4	2,737.01	3/4	2,365.78
10		10	4,574.96	10	4,427.72	10	4,199.53	10	3,971.33	10	3,743.14	10	3,471.74	10	3,100.51	10	2,729.27	10	2,358.04
1/4		1/4	4,574.76	1/4	4,422.96	1/4	4,194.77	1/4	3,966.58	1/4	3,738.39	1/4	3,464.01	1/4	3,092.78	1/4	2,721.54	1/4	2,350.31
1/2		1/2	4,574.26	1/2	4,418.21	1/2	4,190.02	1/2	3,961.83	1/2	3,733.64	1/2	3,456.27	1/2	3,085.04	1/2	2,713.81	1/2	2,342.58
3/4		3/4	4,573.76	3/4	4,413.46	3/4	4,185.26	3/4	3,957.07	3/4	3,728.88	3/4	3,448.54	3/4	3,077.31	3/4	2,706.07	3/4	2,334.84
11		11	4,573.26	11	4,408.70	11	4,180.51	11	3,952.32	11	3,724.13	11	3,440.80	11	3,069.57	11	2,698.34	11	2,327.11
1/4		1/4	4,572.76	1/4	4,403.95	1/4	4,175.75	1/4	3,947.56	1/4	3,719.37	1/4	3,433.07	1/4	3,061.84	1/4	2,690.61	1/4	2,319.38
1/2		1/2	4,571.74	1/2	4,399.20	1/2	4,171.00	1/2	3,942.81	1/2	3,714.62	1/2	3,425.34	1/2	3,054.10	1/2	2,682.87	1/2	2,311.64
3/4		3/4	4,570.73	3/4	4,394.44	3/4	4,166.25	3/4	3,938.06	3/4	3,709.86	3/4	3,417.60	3/4	3,046.37	3/4	2,675.14	3/4	2,303.91

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 TO (TOP LIP OF HERMETIC VALVE ON EXPANSION DOME).

GAUGE POINT: (HERMETIC) LOCATED 02'-06" OFF CENTERLINE AND 85'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HTCO 3009"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,296.17	0	1,924.94	0	1,553.71	0	1,182.47	0	812.07	0	440.84	0	69.61	0		0		0	
1/4	2,288.44	1/4	1,917.21	1/4	1,545.98	1/4	1,174.74	1/4	804.34	1/4	433.11	1/4	61.88	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,280.70	1/2	1,909.47	1/2	1,538.24	1/2	1,167.01	1/2	796.61	1/2	425.38	1/2	55.11	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,272.97	3/4	1,901.74	3/4	1,530.51	3/4	1,159.27	3/4	788.87	3/4	417.64	3/4	48.34	3/4	3/4	3/4	3/4	3/4	3/4
1	2,265.23	1	1,894.00	1	1,522.77	1	1,151.54	1	781.14	1	409.91	1	41.58	1	1	1	1	1	1
1/4	2,257.50	1/4	1,886.27	1/4	1,515.04	1/4	1,143.81	1/4	773.41	1/4	402.18	1/4	34.81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,249.77	1/2	1,878.54	1/2	1,507.30	1/2	1,136.07	1/2	765.67	1/2	394.44	1/2	29.97	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,242.03	3/4	1,870.80	3/4	1,499.57	3/4	1,128.34	3/4	757.94	3/4	386.71	3/4	25.14	3/4	3/4	3/4	3/4	3/4	3/4
2	2,234.30	2	1,863.07	2	1,491.83	2	1,120.60	2	750.20	2	378.97	2	20.30	2	2	2	2	2	2
1/4	2,226.57	1/4	1,855.34	1/4	1,484.10	1/4	1,112.87	1/4	742.47	1/4	371.24	1/4	15.47	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,218.83	1/2	1,847.60	1/2	1,476.37	1/2	1,105.16	1/2	734.74	1/2	363.50	1/2	12.57	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,211.10	3/4	1,839.87	3/4	1,468.63	3/4	1,097.45	3/4	727.00	3/4	355.77	3/4	9.67	3/4	3/4	3/4	3/4	3/4	3/4
3	2,203.36	3	1,832.13	3	1,460.90	3	1,089.75	3	719.27	3	348.03	3	6.77	3	3	3	3	3	3
1/4	2,195.63	1/4	1,824.40	1/4	1,453.17	1/4	1,082.04	1/4	711.54	1/4	340.30	1/4	3.87	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,187.90	1/2	1,816.66	1/2	1,445.43	1/2	1,074.33	1/2	703.80	1/2	332.57	1/2	2.90	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,180.16	3/4	1,808.93	3/4	1,437.70	3/4	1,066.62	3/4	696.07	3/4	324.83	3/4	1.93	3/4	3/4	3/4	3/4	3/4	3/4
4	2,172.43	4	1,801.19	4	1,429.96	4	1,058.92	4	688.33	4	317.10	4	0.97	4	4	4	4	4	4
1/4	2,164.70	1/4	1,793.46	1/4	1,422.23	1/4	1,051.21	1/4	680.60	1/4	309.37	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,156.96	1/2	1,785.73	1/2	1,414.50	1/2	1,043.50	1/2	672.86	1/2	301.63	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,149.23	3/4	1,777.99	3/4	1,406.76	3/4	1,035.79	3/4	665.13	3/4	293.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	2,141.49	5	1,770.26	5	1,399.03	5	1,028.09	5	657.39	5	286.16	5		5	5	5	5	5	5
1/4	2,133.76	1/4	1,762.53	1/4	1,391.30	1/4	1,020.38	1/4	649.66	1/4	278.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,126.02	1/2	1,754.79	1/2	1,383.56	1/2	1,012.67	1/2	641.93	1/2	270.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,118.29	3/4	1,747.06	3/4	1,375.83	3/4	1,004.96	3/4	634.19	3/4	262.96	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,110.55	6	1,739.32	6	1,368.09	6	997.25	6	626.46	6	255.23	6		6	6	6	6	6	6
1/4	2,102.82	1/4	1,731.59	1/4	1,360.36	1/4	989.54	1/4	618.73	1/4	247.50	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,095.09	1/2	1,723.86	1/2	1,352.62	1/2	981.83	1/2	610.99	1/2	239.76	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,087.35	3/4	1,716.12	3/4	1,344.89	3/4	974.12	3/4	603.26	3/4	232.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,079.62	7	1,708.39	7	1,337.15	7	966.42	7	595.52	7	224.29	7		7	7	7	7	7	7
1/4	2,071.89	1/4	1,700.66	1/4	1,329.42	1/4	958.71	1/4	587.79	1/4	216.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,064.15	1/2	1,692.92	1/2	1,321.69	1/2	951.00	1/2	580.06	1/2	208.82	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,056.42	3/4	1,685.19	3/4	1,313.95	3/4	943.29	3/4	572.32	3/4	201.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,048.68	8	1,677.45	8	1,306.22	8	935.59	8	564.59	8	193.35	8		8	8	8	8	8	8
1/4	2,040.95	1/4	1,669.72	1/4	1,298.49	1/4	927.88	1/4	556.86	1/4	185.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,033.22	1/2	1,661.98	1/2	1,290.75	1/2	920.17	1/2	549.12	1/2	177.89	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,025.48	3/4	1,654.25	3/4	1,283.02	3/4	912.46	3/4	541.39	3/4	170.15	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,017.75	9	1,646.51	9	1,275.28	9	904.76	9	533.65	9	162.42	9		9	9	9	9	9	9
1/4	2,010.02	1/4	1,638.78	1/4	1,267.55	1/4	897.05	1/4	525.92	1/4	154.69	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,002.28	1/2	1,631.05	1/2	1,259.82	1/2	889.34	1/2	518.18	1/2	146.95	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,994.55	3/4	1,623.31	3/4	1,252.08	3/4	881.63	3/4	510.45	3/4	139.22	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,986.81	10	1,615.58	10	1,244.35	10	873.93	10	502.71	10	131.48	10		10	10	10	10	10	10
1/4	1,979.08	1/4	1,607.85	1/4	1,236.62	1/4	866.22	1/4	494.98	1/4	123.75	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,971.34	1/2	1,600.11	1/2	1,228.88	1/2	858.48	1/2	487.25	1/2	116.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,963.61	3/4	1,592.38	3/4	1,221.15	3/4	850.75	3/4	479.51	3/4	108.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,955.87	11	1,584.64	11	1,213.41	11	843.01	11	471.78	11	100.55	11		11	11	11	11	11	11
1/4	1,948.14	1/4	1,576.91	1/4	1,205.68	1/4	835.28	1/4	464.05	1/4	92.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,940.41	1/2	1,569.18	1/2	1,197.94	1/2	827.54	1/2	456.31	1/2	85.08	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,932.67	3/4	1,561.44	3/4	1,190.21	3/4	819.81	3/4	448.58	3/4	77.35	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/1995 INSP.  
RECOMPUTED: 04/27/2018 SW  
REPRINTED: 04/28/2018

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2018

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



# BARGE "HTCO 3009"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

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	4,568.69	0	4,384.93	0	4,156.74	0	3,928.55	0	3,700.35	0	3,402.14	0	3,030.90	0	2,659.67
1/4	1/4	1/4	1/4	1/4	4,567.13	1/4	4,380.18	1/4	4,151.99	1/4	3,923.80	1/4	3,695.60	1/4	3,394.40	1/4	3,023.17	1/4	2,651.94
1/2	1/2	1/2	1/2	1/2	4,565.57	1/2	4,375.42	1/2	4,147.23	1/2	3,919.04	1/2	3,690.85	1/2	3,386.67	1/2	3,015.43	1/2	2,644.20
3/4	3/4	3/4	3/4	3/4	4,564.01	3/4	4,370.67	3/4	4,142.48	3/4	3,914.29	3/4	3,686.09	3/4	3,378.93	3/4	3,007.70	3/4	2,636.47
1		1		1	4,562.45	1	4,365.91	1	4,137.72	1	3,909.53	1	3,681.34	1	3,371.20	1	2,999.97	1	2,628.74
1/4	1/4	1/4	1/4	1/4	4,560.35	1/4	4,361.16	1/4	4,132.97	1/4	3,904.78	1/4	3,676.59	1/4	3,363.46	1/4	2,992.23	1/4	2,621.00
1/2	1/2	1/2	1/2	1/2	4,558.25	1/2	4,356.41	1/2	4,128.22	1/2	3,900.02	1/2	3,671.83	1/2	3,355.73	1/2	2,984.50	1/2	2,613.27
3/4	3/4	3/4	3/4	3/4	4,556.14	3/4	4,351.65	3/4	4,123.46	3/4	3,895.27	3/4	3,667.08	3/4	3,347.99	3/4	2,976.76	3/4	2,605.53
2		2		2	4,554.04	2	4,346.90	2	4,118.71	2	3,890.51	2	3,662.32	2	3,340.26	2	2,969.03	2	2,597.80
1/4	1/4	1/4	1/4	1/4	4,551.39	1/4	4,342.15	1/4	4,113.96	1/4	3,885.76	1/4	3,657.57	1/4	3,332.53	1/4	2,961.30	1/4	2,590.06
1/2	1/2	1/2	1/2	1/2	4,548.75	1/2	4,337.39	1/2	4,109.20	1/2	3,881.01	1/2	3,652.82	1/2	3,324.79	1/2	2,953.56	1/2	2,582.33
3/4	3/4	3/4	3/4	3/4	4,546.10	3/4	4,332.64	3/4	4,104.45	3/4	3,876.25	3/4	3,648.06	3/4	3,317.06	3/4	2,945.83	3/4	2,574.59
3		3		3	4,543.45	3	4,327.88	3	4,099.69	3	3,871.50	3	3,643.31	3	3,309.33	3	2,938.10	3	2,566.86
1/4	1/4	1/4	1/4	1/4	4,540.26	1/4	4,323.13	1/4	4,094.94	1/4	3,866.75	1/4	3,638.43	1/4	3,301.59	1/4	2,930.36	1/4	2,559.13
1/2	1/2	1/2	1/2	1/2	4,537.07	1/2	4,318.38	1/2	4,090.18	1/2	3,861.99	1/2	3,633.55	1/2	3,293.86	1/2	2,922.63	1/2	2,551.39
3/4	3/4	3/4	3/4	3/4	4,533.87	3/4	4,313.62	3/4	4,085.43	3/4	3,857.24	3/4	3,628.67	3/4	3,286.12	3/4	2,914.89	3/4	2,543.66
4		4		4	4,530.68	4	4,308.87	4	4,080.67	4	3,852.48	4	3,623.79	4	3,278.39	4	2,907.16	4	2,535.93
1/4	1/4	1/4	1/4	1/4	4,526.94	1/4	4,304.12	1/4	4,075.92	1/4	3,847.73	1/4	3,618.47	1/4	3,270.66	1/4	2,899.42	1/4	2,528.19
1/2	1/2	1/2	1/2	1/2	4,523.21	1/2	4,299.36	1/2	4,071.17	1/2	3,842.98	1/2	3,613.15	1/2	3,262.92	1/2	2,891.69	1/2	2,520.46
3/4	3/4	3/4	3/4	3/4	4,519.47	3/4	4,294.61	3/4	4,066.41	3/4	3,838.22	3/4	3,607.83	3/4	3,255.19	3/4	2,883.95	3/4	2,512.72
5		5		5	4,515.73	5	4,289.85	5	4,061.66	5	3,833.47	5	3,602.51	5	3,247.46	5	2,876.22	5	2,504.99
1/4	1/4	1/4	1/4	1/4	4,511.45	1/4	4,285.10	1/4	4,056.91	1/4	3,828.72	1/4	3,596.62	1/4	3,239.72	1/4	2,868.49	1/4	2,497.26
1/2	1/2	1/2	1/2	1/2	4,507.18	1/2	4,280.34	1/2	4,052.15	1/2	3,823.96	1/2	3,590.73	1/2	3,231.99	1/2	2,860.75	1/2	2,489.52
3/4	3/4	3/4	3/4	3/4	4,502.90	3/4	4,275.59	3/4	4,047.40	3/4	3,819.21	3/4	3,584.84	3/4	3,224.25	3/4	2,853.02	3/4	2,481.79
6		6		6	4,498.62	6	4,270.83	6	4,042.64	6	3,814.45	6	3,578.95	6	3,216.52	6	2,845.29	6	2,474.06
1/4	1/4	1/4	1/4	1/4	4,493.97	1/4	4,266.08	1/4	4,037.89	1/4	3,809.70	1/4	3,572.49	1/4	3,208.78	1/4	2,837.55	1/4	2,466.32
1/2	1/2	1/2	1/2	1/2	4,489.32	1/2	4,261.33	1/2	4,033.14	1/2	3,804.94	1/2	3,566.04	1/2	3,201.05	1/2	2,829.82	1/2	2,458.59
3/4	3/4	3/4	3/4	3/4	4,484.66	3/4	4,256.57	3/4	4,028.38	3/4	3,800.19	3/4	3,559.58	3/4	3,193.31	3/4	2,822.08	3/4	2,450.85
7		7		7	4,480.01	7	4,251.82	7	4,023.63	7	3,795.43	7	3,553.12	7	3,185.58	7	2,814.35	7	2,443.12
1/4	1/4	1/4	1/4	1/4	4,475.26	1/4	4,247.07	1/4	4,018.88	1/4	3,790.68	1/4	3,546.10	1/4	3,177.85	1/4	2,806.62	1/4	2,435.38
1/2	1/2	1/2	1/2	1/2	4,470.50	1/2	4,242.31	1/2	4,014.12	1/2	3,785.93	1/2	3,539.08	1/2	3,170.11	1/2	2,798.88	1/2	2,427.65
3/4	3/4	3/4	3/4	3/4	4,465.75	3/4	4,237.56	3/4	4,009.37	3/4	3,781.17	3/4	3,532.05	3/4	3,162.38	3/4	2,791.15	3/4	2,419.91
8		8		8	4,460.99	8	4,232.80	8	4,004.61	8	3,776.42	8	3,525.03	8	3,154.65	8	2,783.42	8	2,412.18
1/4	1/4	1/4	1/4	1/4	4,456.24	1/4	4,228.05	1/4	3,999.86	1/4	3,771.67	1/4	3,517.51	1/4	3,146.91	1/4	2,775.68	1/4	2,404.45
1/2	1/2	1/2	1/2	1/2	4,451.49	1/2	4,223.30	1/2	3,995.10	1/2	3,766.91	1/2	3,509.99	1/2	3,139.18	1/2	2,767.95	1/2	2,396.71
3/4	3/4	3/4	3/4	3/4	4,446.73	3/4	4,218.54	3/4	3,990.35	3/4	3,762.16	3/4	3,502.46	3/4	3,131.44	3/4	2,760.21	3/4	2,388.98
9		9		9	4,441.98	9	4,213.79	9	3,985.59	9	3,757.40	9	3,494.94	9	3,123.71	9	2,752.48	9	2,381.25
1/4	1/4	1/4	1/4	1/4	4,437.23	1/4	4,209.04	1/4	3,980.84	1/4	3,752.65	1/4	3,487.21	1/4	3,115.98	1/4	2,744.74	1/4	2,373.51
1/2	1/2	1/2	1/2	1/2	4,575.06	1/2	4,204.28	1/2	3,976.09	1/2	3,747.90	1/2	3,479.47	1/2	3,108.24	1/2	2,737.01	1/2	2,365.78
3/4	3/4	3/4	3/4	3/4	4,574.96	3/4	4,427.72	3/4	4,199.53	3/4	3,971.33	3/4	3,743.14	3/4	3,471.74	3/4	3,100.51	3/4	2,729.27
10		10		10	4,574.76	10	4,422.96	10	4,194.77	10	3,966.58	10	3,738.39	10	3,464.01	10	3,092.78	10	2,721.54
1/4	1/4	1/4	1/4	1/4	4,574.26	1/4	4,418.21	1/4	4,190.02	1/4	3,961.83	1/4	3,733.64	1/4	3,456.27	1/4	3,085.04	1/4	2,713.81
1/2	1/2	1/2	1/2	1/2	4,573.76	1/2	4,413.46	1/2	4,185.26	1/2	3,957.07	1/2	3,728.88	1/2	3,448.54	1/2	3,077.31	1/2	2,706.07
3/4	3/4	3/4	3/4	3/4	4,573.26	3/4	4,408.70	3/4	4,180.51	3/4	3,952.32	3/4	3,724.13	3/4	3,440.80	3/4	3,069.57	3/4	2,698.34
11		11		11	4,572.76	11	4,403.95	11	4,175.75	11	3,947.56	11	3,719.37	11	3,433.07	11	3,061.84	11	2,690.61
1/4	1/4	1/4	1/4	1/4	4,571.74	1/4	4,399.20	1/4	4,171.00	1/4	3,942.81	1/4	3,714.62	1/4	3,425.34	1/4	3,054.10	1/4	2,682.87
1/2	1/2	1/2	1/2	1/2	4,570.73	1/2	4,394.44	1/2	4,166.25	1/2	3,938.06	1/2	3,709.86	1/2	3,417.60	1/2	3,046.37	1/2	2,675.14
3/4	3/4	3/4	3/4	3/4	4,569.71	3/4	4,389.69	3/4	4,161.49	3/4	3,933.30	3/4	3,705.11	3/4	3,409.87	3/4	3,038.63	3/4	2,667.40

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 TO (TOP LIP OF HERMETIC VALVE ON EXPANSION DOME).

GAUGE POINT: (HERMETIC) LOCATED 02'-06" OFF CENTERLINE AND 85'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "HTCO 3009"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,288.44	0	1,917.21	0	1,545.98	0	1,174.74	0	804.34	0	433.11	0	61.88	0		0			
1/4	2,280.70	1/4	1,909.47	1/4	1,538.24	1/4	1,167.01	1/4	796.61	1/4	425.38	1/4	55.11	1/4		1/4			
1/2	2,272.97	1/2	1,901.74	1/2	1,530.51	1/2	1,159.27	1/2	788.87	1/2	417.64	1/2	48.34	1/2		1/2			
3/4	2,265.23	3/4	1,894.00	3/4	1,522.77	3/4	1,151.54	3/4	781.14	3/4	409.91	3/4	41.58	3/4		3/4			
1	2,257.50	1	1,886.27	1	1,515.04	1	1,143.81	1	773.41	1	402.18	1	34.81	1		1			
1/4	2,249.77	1/4	1,878.54	1/4	1,507.30	1/4	1,136.07	1/4	765.67	1/4	394.44	1/4	29.97	1/4		1/4			
1/2	2,242.03	1/2	1,870.80	1/2	1,499.57	1/2	1,128.34	1/2	757.94	1/2	386.71	1/2	25.14	1/2		1/2			
3/4	2,234.30	3/4	1,863.07	3/4	1,491.83	3/4	1,120.60	3/4	750.20	3/4	378.97	3/4	20.30	3/4		3/4			
2	2,226.57	2	1,855.34	2	1,484.10	2	1,112.87	2	742.47	2	371.24	2	15.47	2		2			
1/4	2,218.83	1/4	1,847.60	1/4	1,476.37	1/4	1,105.16	1/4	734.74	1/4	363.50	1/4	12.57	1/4		1/4			
1/2	2,211.10	1/2	1,839.87	1/2	1,468.63	1/2	1,097.45	1/2	727.00	1/2	355.77	1/2	9.67	1/2		1/2			
3/4	2,203.36	3/4	1,832.13	3/4	1,460.90	3/4	1,089.75	3/4	719.27	3/4	348.03	3/4	6.77	3/4		3/4			
3	2,195.63	3	1,824.40	3	1,453.17	3	1,082.04	3	711.54	3	340.30	3	3.87	3		3			
1/4	2,187.90	1/4	1,816.66	1/4	1,445.43	1/4	1,074.33	1/4	703.80	1/4	332.57	1/4	2.90	1/4		1/4			
1/2	2,180.16	1/2	1,808.93	1/2	1,437.70	1/2	1,066.62	1/2	696.07	1/2	324.83	1/2	1.93	1/2		1/2			
3/4	2,172.43	3/4	1,801.19	3/4	1,429.96	3/4	1,058.92	3/4	688.33	3/4	317.10	3/4	0.97	3/4		3/4			
4	2,164.70	4	1,793.46	4	1,422.23	4	1,051.21	4	680.60	4	309.37	4	0.00	4		4			
1/4	2,156.96	1/4	1,785.73	1/4	1,414.50	1/4	1,043.50	1/4	672.86	1/4	301.63	1/4		1/4		1/4			
1/2	2,149.23	1/2	1,777.99	1/2	1,406.76	1/2	1,035.79	1/2	665.13	1/2	293.90	1/2		1/2		1/2			
3/4	2,141.49	3/4	1,770.26	3/4	1,399.03	3/4	1,028.09	3/4	657.39	3/4	286.16	3/4		3/4		3/4			
5	2,133.76	5	1,762.53	5	1,391.30	5	1,020.38	5	649.66	5	278.43	5		5		5			
1/4	2,126.02	1/4	1,754.79	1/4	1,383.56	1/4	1,012.67	1/4	641.93	1/4	270.70	1/4		1/4		1/4			
1/2	2,118.29	1/2	1,747.06	1/2	1,375.83	1/2	1,004.96	1/2	634.19	1/2	262.96	1/2		1/2		1/2			
3/4	2,110.55	3/4	1,739.32	3/4	1,368.09	3/4	997.25	3/4	626.46	3/4	255.23	3/4		3/4		3/4			
6	2,102.82	6	1,731.59	6	1,360.36	6	989.54	6	618.73	6	247.50	6		6		6			
1/4	2,095.09	1/4	1,723.86	1/4	1,352.62	1/4	981.83	1/4	610.99	1/4	239.76	1/4		1/4		1/4			
1/2	2,087.35	1/2	1,716.12	1/2	1,344.89	1/2	974.12	1/2	603.26	1/2	232.03	1/2		1/2		1/2			
3/4	2,079.62	3/4	1,708.39	3/4	1,337.15	3/4	966.42	3/4	595.52	3/4	224.29	3/4		3/4		3/4			
7	2,071.89	7	1,700.66	7	1,329.42	7	958.71	7	587.79	7	216.56	7		7		7			
1/4	2,064.15	1/4	1,692.92	1/4	1,321.69	1/4	951.00	1/4	580.06	1/4	208.82	1/4		1/4		1/4			
1/2	2,056.42	1/2	1,685.19	1/2	1,313.95	1/2	943.29	1/2	572.32	1/2	201.09	1/2		1/2		1/2			
3/4	2,048.68	3/4	1,677.45	3/4	1,306.22	3/4	935.59	3/4	564.59	3/4	193.35	3/4		3/4		3/4			
8	2,040.95	8	1,669.72	8	1,298.49	8	927.88	8	556.86	8	185.62	8		8		8			
1/4	2,033.22	1/4	1,661.98	1/4	1,290.75	1/4	920.17	1/4	549.12	1/4	177.89	1/4		1/4		1/4			
1/2	2,025.48	1/2	1,654.25	1/2	1,283.02	1/2	912.46	1/2	541.39	1/2	170.15	1/2		1/2		1/2			
3/4	2,017.75	3/4	1,646.51	3/4	1,275.28	3/4	904.76	3/4	533.65	3/4	162.42	3/4		3/4		3/4			
9	2,010.02	9	1,638.78	9	1,267.55	9	897.05	9	525.92	9	154.69	9		9		9			
1/4	2,002.28	1/4	1,631.05	1/4	1,259.82	1/4	889.34	1/4	518.18	1/4	146.95	1/4		1/4		1/4			
1/2	1,994.55	1/2	1,623.31	1/2	1,252.08	1/2	881.63	1/2	510.45	1/2	139.22	1/2		1/2		1/2			
3/4	1,986.81	3/4	1,615.58	3/4	1,244.35	3/4	873.93	3/4	502.71	3/4	131.48	3/4		3/4		3/4			
10	1,979.08	10	1,607.85	10	1,236.62	10	866.22	10	494.98	10	123.75	10		10		10			
1/4	1,971.34	1/4	1,600.11	1/4	1,228.88	1/4	858.48	1/4	487.25	1/4	116.02	1/4		1/4		1/4			
1/2	1,963.61	1/2	1,592.38	1/2	1,221.15	1/2	850.75	1/2	479.51	1/2	108.28	1/2		1/2		1/2			
3/4	1,955.87	3/4	1,584.64	3/4	1,213.41	3/4	843.01	3/4	471.78	3/4	100.55	3/4		3/4		3/4			
11	1,948.14	11	1,576.91	11	1,205.68	11	835.28	11	464.05	11	92.82	11		11		11			
1/4	1,940.41	1/4	1,569.18	1/4	1,197.94	1/4	827.54	1/4	456.31	1/4	85.08	1/4		1/4		1/4			
1/2	1,932.67	1/2	1,561.44	1/2	1,190.21	1/2	819.81	1/2	448.58	1/2	77.35	1/2		1/2		1/2			
3/4	1,924.94	3/4	1,553.71	3/4	1,182.47	3/4	812.07	3/4	440.84	3/4	69.61	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/1995 INSP.  
RECOMPUTED: 04/27/2018 SW  
REPRINTED: 04/28/2018

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2018

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