



BARGE "HTCO 3141"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 283' 06'

July 13, 2023

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3141"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	5,513.37	0	5,115.59	0	4,716.19	0	4,316.20	0	3,916.22	0	3,516.23	0	3,116.15		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,505.09	1/4	5,107.28	1/4	4,707.85	1/4	4,307.87	1/4	3,907.89	1/4	3,507.90	1/4	3,107.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,496.81	1/2	5,098.97	1/2	4,699.52	1/2	4,299.54	1/2	3,899.55	1/2	3,499.57	1/2	3,099.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,488.54	3/4	5,090.66	3/4	4,691.19	3/4	4,291.20	3/4	3,891.22	3/4	3,491.24	3/4	3,091.14		
1		1		1		1	5,480.26	1	5,082.35	1	4,682.85	1	4,282.87	1	3,882.89	1	3,482.90	1	3,082.80		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,471.99	1/4	5,074.04	1/4	4,674.52	1/4	4,274.54	1/4	3,874.55	1/4	3,474.57	1/4	3,074.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,463.72	1/2	5,065.73	1/2	4,666.19	1/2	4,266.20	1/2	3,866.22	1/2	3,466.24	1/2	3,066.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,455.44	3/4	5,057.42	3/4	4,657.86	3/4	4,257.87	3/4	3,857.89	3/4	3,457.90	3/4	3,057.79		
2		2		2		2	5,447.17	2	5,049.11	2	4,649.52	2	4,249.54	2	3,849.55	2	3,449.57	2	3,049.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,438.90	1/4	5,040.79	1/4	4,641.19	1/4	4,241.21	1/4	3,841.22	1/4	3,441.24	1/4	3,041.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,430.63	1/2	5,032.48	1/2	4,632.86	1/2	4,232.87	1/2	3,832.89	1/2	3,432.90	1/2	3,032.78		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,422.36	3/4	5,024.17	3/4	4,624.52	3/4	4,224.54	3/4	3,824.56	3/4	3,424.57	3/4	3,024.45		
3		3		3		3	5,414.08	3	5,015.86	3	4,616.19	3	4,216.21	3	3,816.22	3	3,416.24	3	3,016.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,405.81	1/4	5,007.55	1/4	4,607.86	1/4	4,207.87	1/4	3,807.89	1/4	3,407.91	1/4	3,007.77		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,397.54	1/2	4,999.24	1/2	4,599.52	1/2	4,199.54	1/2	3,799.56	1/2	3,399.57	1/2	2,999.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,389.27	3/4	4,990.93	3/4	4,591.19	3/4	4,191.21	3/4	3,791.22	3/4	3,391.24	3/4	2,991.10		
4		4		4		4	5,381.00	4	4,982.62	4	4,582.86	4	4,182.87	4	3,782.89	4	3,382.91	4	2,982.76		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,372.73	1/4	4,974.30	1/4	4,574.53	1/4	4,174.54	1/4	3,774.56	1/4	3,374.57	1/4	2,974.42		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,364.46	1/2	4,965.99	1/2	4,566.19	1/2	4,166.21	1/2	3,766.22	1/2	3,366.24	1/2	2,966.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,356.18	3/4	4,957.68	3/4	4,557.86	3/4	4,157.88	3/4	3,757.89	3/4	3,357.91	3/4	2,957.75		
5		5		5		5	5,347.91	5	4,949.37	5	4,549.53	5	4,149.54	5	3,749.56	5	3,349.57	5	2,949.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,339.64	1/4	4,941.06	1/4	4,541.19	1/4	4,141.21	1/4	3,741.23	1/4	3,341.24	1/4	2,941.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,331.37	1/2	4,932.75	1/2	4,532.86	1/2	4,132.88	1/2	3,732.89	1/2	3,332.91	1/2	2,932.74		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,323.10	3/4	4,924.44	3/4	4,524.53	3/4	4,124.54	3/4	3,724.56	3/4	3,324.57	3/4	2,924.40		
6		6		6		6	5,314.83	6	4,916.13	6	4,516.19	6	4,116.21	6	3,716.23	6	3,316.24	6	2,916.06		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,306.55	1/4	4,907.81	1/4	4,507.86	1/4	4,107.88	1/4	3,707.89	1/4	3,307.90	1/4	2,907.73		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,298.28	1/2	4,899.49	1/2	4,499.53	1/2	4,099.54	1/2	3,699.56	1/2	3,299.57	1/2	2,899.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,290.01	3/4	4,891.17	3/4	4,491.20	3/4	4,091.21	3/4	3,691.23	3/4	3,291.23	3/4	2,891.05		
7		7		7		7	5,668.09	5,663.39	5,281.74	7	4,882.85	7	4,482.86	7	4,082.88	7	3,682.89	7	3,282.89	7	2,882.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,657.49	1/4	5,273.45	1/4	4,874.51	1/4	4,474.53	1/4	4,074.55	1/4	3,674.56	1/4	3,274.56	1/4	2,874.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,651.60	1/2	5,265.16	1/2	4,866.18	1/2	4,466.20	1/2	4,066.21	1/2	3,666.23	1/2	3,266.22	1/2	2,866.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,645.71	3/4	5,256.87	3/4	4,857.85	3/4	4,457.86	3/4	4,057.88	3/4	3,657.90	3/4	3,257.88	3/4	2,857.71
8		8		8		8	5,639.81	8	5,248.57	8	4,849.51	8	4,449.53	8	4,049.55	8	3,649.56	8	3,249.54	8	2,849.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,632.73	1/4	5,240.26	1/4	4,841.18	1/4	4,441.20	1/4	4,041.21	1/4	3,641.23	1/4	3,241.21	1/4	2,841.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,625.65	1/2	5,231.95	1/2	4,832.85	1/2	4,432.86	1/2	4,032.88	1/2	3,632.90	1/2	3,232.87	1/2	2,832.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,618.56	3/4	5,223.64	3/4	4,824.52	3/4	4,424.53	3/4	4,024.55	3/4	3,624.56	3/4	3,224.53	3/4	2,824.36
9		9		9		9	5,611.48	9	5,215.33	9	4,816.18	9	4,416.20	9	4,016.21	9	3,616.23	9	3,216.20	9	2,816.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,603.50	1/4	5,207.02	1/4	4,807.85	1/4	4,407.87	1/4	4,007.88	1/4	3,607.90	1/4	3,207.86	1/4	2,807.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,595.52	1/2	5,198.71	1/2	4,799.52	1/2	4,399.53	1/2	3,999.55	1/2	3,599.56	1/2	3,199.52	1/2	2,799.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,587.55	3/4	5,190.40	3/4	4,791.18	3/4	4,391.20	3/4	3,991.22	3/4	3,591.23	3/4	3,191.19	3/4	2,791.01
10		10		10		10	5,579.57	10	5,182.08	10	4,782.85	10	4,382.87	10	3,982.88	10	3,582.90	10	3,182.85	10	2,782.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,571.29	1/4	5,173.77	1/4	4,774.52	1/4	4,374.53	1/4	3,974.55	1/4	3,574.57	1/4	3,174.51	1/4	2,774.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,563.02	1/2	5,165.46	1/2	4,766.18	1/2	4,366.20	1/2	3,966.22	1/2	3,566.23	1/2	3,166.17	1/2	2,766.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,554.74	3/4	5,157.15	3/4	4,757.85	3/4	4,357.87	3/4	3,957.88	3/4	3,557.90	3/4	3,157.84	3/4	2,757.66
11		11		11		11	5,546.47	11	5,148.84	11	4,749.52	11	4,349.53	11	3,949.55	11	3,549.57	11	3,149.50	11	2,749.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,538.19	1/4	5,140.53	1/4	4,741.19	1/4	4,341.20	1/4	3,941.22	1/4	3,541.23	1/4	3,141.16	1/4	2,740.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,529.92	1/2	5,132.22	1/2	4,732.85	1/2	4,332.87	1/2	3,932.88	1/2	3,532.90	1/2	3,132.83	1/2	2,732.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,521.64	3/4	5,123.91	3/4	4,724.52	3/4	4,324.54	3/4	3,924.55	3/4	3,524.57	3/4	3,124.49	3/4	2,724.31

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 GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

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

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



BARGE "HTCO 3141"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 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	2,715.98	0	2,315.80	0	1,915.62	0	1,515.45	0	1,116.37	0	717.32	0	317.16	0		0		0	
1/4	2,707.64	1/4	2,307.46	1/4	1,907.29	1/4	1,507.11	1/4	1,108.08	1/4	708.98	1/4	308.82	1/4	1/4	1/4		1/4	
1/2	2,699.30	1/2	2,299.13	1/2	1,898.95	1/2	1,498.77	1/2	1,099.80	1/2	700.64	1/2	300.48	1/2	1/2	1/2		1/2	
3/4	2,690.97	3/4	2,290.79	3/4	1,890.61	3/4	1,490.44	3/4	1,091.51	3/4	692.31	3/4	292.15	3/4	3/4	3/4		3/4	
1	2,682.63	1	2,282.45	1	1,882.28	1	1,482.10	1	1,083.22	1	683.97	1	283.81	1	1	1		1	
1/4	2,674.29	1/4	2,274.12	1/4	1,873.94	1/4	1,473.76	1/4	1,074.94	1/4	675.63	1/4	275.47	1/4	1/4	1/4		1/4	
1/2	2,665.95	1/2	2,265.78	1/2	1,865.60	1/2	1,465.43	1/2	1,066.65	1/2	667.30	1/2	267.14	1/2	1/2	1/2		1/2	
3/4	2,657.62	3/4	2,257.44	3/4	1,857.27	3/4	1,457.09	3/4	1,058.37	3/4	658.96	3/4	258.80	3/4	3/4	3/4		3/4	
2	2,649.28	2	2,249.10	2	1,848.93	2	1,448.75	2	1,050.08	2	650.62	2	250.46	2	2	2		2	
1/4	2,640.94	1/4	2,240.77	1/4	1,840.59	1/4	1,440.42	1/4	1,041.79	1/4	642.29	1/4	242.13	1/4	1/4	1/4		1/4	
1/2	2,632.61	1/2	2,232.43	1/2	1,832.25	1/2	1,432.08	1/2	1,033.51	1/2	633.95	1/2	233.79	1/2	1/2	1/2		1/2	
3/4	2,624.27	3/4	2,224.09	3/4	1,823.92	3/4	1,423.74	3/4	1,025.22	3/4	625.61	3/4	225.45	3/4	3/4	3/4		3/4	
3	2,615.93	3	2,215.76	3	1,815.58	3	1,415.40	3	1,016.94	3	617.28	3	217.12	3	3	3		3	
1/4	2,607.60	1/4	2,207.42	1/4	1,807.24	1/4	1,407.07	1/4	1,008.65	1/4	608.94	1/4	208.78	1/4	1/4	1/4		1/4	
1/2	2,599.26	1/2	2,199.08	1/2	1,798.91	1/2	1,398.73	1/2	1,000.36	1/2	600.60	1/2	200.44	1/2	1/2	1/2		1/2	
3/4	2,590.92	3/4	2,190.75	3/4	1,790.57	3/4	1,390.39	3/4	992.08	3/4	592.27	3/4	192.11	3/4	3/4	3/4		3/4	
4	2,582.58	4	2,182.41	4	1,782.23	4	1,382.06	4	983.79	4	583.93	4	183.77	4	4	4		4	
1/4	2,574.25	1/4	2,174.07	1/4	1,773.90	1/4	1,373.72	1/4	975.51	1/4	575.59	1/4	175.43	1/4	1/4	1/4		1/4	
1/2	2,565.91	1/2	2,165.73	1/2	1,765.56	1/2	1,365.38	1/2	967.22	1/2	567.26	1/2	167.09	1/2	1/2	1/2		1/2	
3/4	2,557.57	3/4	2,157.40	3/4	1,757.22	3/4	1,357.05	3/4	958.93	3/4	558.92	3/4	158.76	3/4	3/4	3/4		3/4	
5	2,549.24	5	2,149.06	5	1,748.88	5	1,348.71	5	950.65	5	550.58	5	150.42	5	5	5		5	
1/4	2,540.90	1/4	2,140.72	1/4	1,740.55	1/4	1,340.39	1/4	942.34	1/4	542.25	1/4	142.08	1/4	1/4	1/4		1/4	
1/2	2,532.56	1/2	2,132.39	1/2	1,732.21	1/2	1,332.06	1/2	934.02	1/2	533.91	1/2	133.75	1/2	1/2	1/2		1/2	
3/4	2,524.23	3/4	2,124.05	3/4	1,723.87	3/4	1,323.74	3/4	925.71	3/4	525.57	3/4	125.41	3/4	3/4	3/4		3/4	
6	2,515.89	6	2,115.71	6	1,715.54	6	1,315.42	6	917.40	6	517.24	6	117.07	6	6	6		6	
1/4	2,507.55	1/4	2,107.38	1/4	1,707.20	1/4	1,307.11	1/4	909.06	1/4	508.90	1/4	108.74	1/4	1/4	1/4		1/4	
1/2	2,499.21	1/2	2,099.04	1/2	1,698.86	1/2	1,298.81	1/2	900.72	1/2	500.56	1/2	100.40	1/2	1/2	1/2		1/2	
3/4	2,490.88	3/4	2,090.70	3/4	1,690.53	3/4	1,290.50	3/4	892.39	3/4	492.23	3/4	92.06	3/4	3/4	3/4		3/4	
7	2,482.54	7	2,082.36	7	1,682.19	7	1,282.19	7	884.05	7	483.89	7	83.73	7	7	7		7	
1/4	2,474.20	1/4	2,074.03	1/4	1,673.85	1/4	1,273.89	1/4	875.71	1/4	475.55	1/4	75.91	1/4	1/4	1/4		1/4	
1/2	2,465.87	1/2	2,065.69	1/2	1,665.51	1/2	1,265.59	1/2	867.38	1/2	467.22	1/2	68.10	1/2	1/2	1/2		1/2	
3/4	2,457.53	3/4	2,057.35	3/4	1,657.18	3/4	1,257.29	3/4	859.04	3/4	458.88	3/4	60.28	3/4	3/4	3/4		3/4	
8	2,449.19	8	2,049.02	8	1,648.84	8	1,248.99	8	850.70	8	450.54	8	52.47	8	8	8		8	
1/4	2,440.86	1/4	2,040.68	1/4	1,640.50	1/4	1,240.70	1/4	842.37	1/4	442.21	1/4	46.21	1/4	1/4	1/4		1/4	
1/2	2,432.52	1/2	2,032.34	1/2	1,632.17	1/2	1,232.40	1/2	834.03	1/2	433.87	1/2	39.96	1/2	1/2	1/2		1/2	
3/4	2,424.18	3/4	2,024.01	3/4	1,623.83	3/4	1,224.11	3/4	825.69	3/4	425.53	3/4	33.71	3/4	3/4	3/4		3/4	
9	2,415.84	9	2,015.67	9	1,615.49	9	1,215.82	9	817.36	9	417.20	9	27.46	9	9	9		9	
1/4	2,407.51	1/4	2,007.33	1/4	1,607.16	1/4	1,207.53	1/4	809.02	1/4	408.86	1/4	23.29	1/4	1/4	1/4		1/4	
1/2	2,399.17	1/2	1,998.99	1/2	1,598.82	1/2	1,199.24	1/2	800.68	1/2	400.52	1/2		1/2	1/2	1/2		1/2	
3/4	2,390.83	3/4	1,990.66	3/4	1,590.48	3/4	1,190.95	3/4	792.35	3/4	392.19	3/4		3/4	3/4	3/4		3/4	
10	2,382.50	10	1,982.32	10	1,582.14	10	1,182.66	10	784.01	10	383.85	10		10	10	10		10	
1/4	2,374.16	1/4	1,973.98	1/4	1,573.81	1/4	1,174.37	1/4	775.67	1/4	375.51	1/4		1/4	1/4	1/4		1/4	
1/2	2,365.82	1/2	1,965.65	1/2	1,565.47	1/2	1,166.08	1/2	767.34	1/2	367.18	1/2		1/2	1/2	1/2		1/2	
3/4	2,357.49	3/4	1,957.31	3/4	1,557.13	3/4	1,157.80	3/4	759.00	3/4	358.84	3/4		3/4	3/4	3/4		3/4	
11	2,349.15	11	1,948.97	11	1,548.80	11	1,149.51	11	750.66	11	350.50	11		11	11	11		11	
1/4	2,340.81	1/4	1,940.64	1/4	1,540.46	1/4	1,141.23	1/4	742.33	1/4	342.17	1/4		1/4	1/4	1/4		1/4	
1/2	2,332.47	1/2	1,932.30	1/2	1,532.12	1/2	1,132.94	1/2	733.99	1/2	333.83	1/2		1/2	1/2	1/2		1/2	
3/4	2,324.14	3/4	1,923.96	3/4	1,523.79	3/4	1,124.65	3/4	725.65	3/4	325.49	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/28/2015 SW
RECALCULATED: 07/17/2023 CL
VERIFIED: 07/13/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "HTCO 3141"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	5,496.61	0	5,098.90	0	4,699.58	0	4,299.74	0	3,899.89	0	3,500.05	0	3,100.08		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,488.34	1/4	5,090.60	1/4	4,691.25	1/4	4,291.41	1/4	3,891.56	1/4	3,491.72	1/4	3,091.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,480.06	1/2	5,082.29	1/2	4,682.92	1/2	4,283.08	1/2	3,883.23	1/2	3,483.39	1/2	3,083.41		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,471.79	3/4	5,073.98	3/4	4,674.59	3/4	4,274.75	3/4	3,874.90	3/4	3,475.06	3/4	3,075.08		
1		1		1		1	5,463.52	1	5,065.67	1	4,666.26	1	4,266.42	1	3,866.57	1	3,466.73	1	3,066.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,455.25	1/4	5,057.36	1/4	4,657.93	1/4	4,258.09	1/4	3,858.24	1/4	3,458.40	1/4	3,058.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,446.98	1/2	5,049.05	1/2	4,649.60	1/2	4,249.76	1/2	3,849.91	1/2	3,450.07	1/2	3,050.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,438.71	3/4	5,040.75	3/4	4,641.27	3/4	4,241.43	3/4	3,841.58	3/4	3,441.74	3/4	3,041.74		
2		2		2		2	5,430.44	2	5,032.44	2	4,632.94	2	4,233.09	2	3,833.25	2	3,433.41	2	3,033.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,422.17	1/4	5,024.13	1/4	4,624.61	1/4	4,224.76	1/4	3,824.92	1/4	3,425.08	1/4	3,025.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,413.91	1/2	5,015.82	1/2	4,616.28	1/2	4,216.43	1/2	3,816.59	1/2	3,416.75	1/2	3,016.74		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,405.64	3/4	5,007.51	3/4	4,607.95	3/4	4,208.10	3/4	3,808.26	3/4	3,408.42	3/4	3,008.41		
3		3		3		3	5,397.37	3	4,999.20	3	4,599.62	3	4,199.77	3	3,799.93	3	3,400.08	3	3,000.07		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,389.10	1/4	4,990.90	1/4	4,591.29	1/4	4,191.44	1/4	3,791.60	1/4	3,391.75	1/4	2,991.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,380.83	1/2	4,982.59	1/2	4,582.96	1/2	4,183.11	1/2	3,783.27	1/2	3,383.42	1/2	2,983.41		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,372.56	3/4	4,974.28	3/4	4,574.63	3/4	4,174.78	3/4	3,774.94	3/4	3,375.09	3/4	2,975.07		
4		4		4		4	5,364.29	4	4,965.97	4	4,566.30	4	4,166.45	4	3,766.61	4	3,366.76	4	2,966.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,356.03	1/4	4,957.66	1/4	4,557.97	1/4	4,158.12	1/4	3,758.28	1/4	3,358.43	1/4	2,958.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,347.76	1/2	4,949.35	1/2	4,549.64	1/2	4,149.79	1/2	3,749.95	1/2	3,350.10	1/2	2,950.07		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,339.49	3/4	4,941.04	3/4	4,541.31	3/4	4,141.46	3/4	3,741.62	3/4	3,341.77	3/4	2,941.74		
5		5		5		5	5,331.22	5	4,932.74	5	4,532.98	5	4,133.13	5	3,733.29	5	3,333.44	5	2,933.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,322.95	1/4	4,924.43	1/4	4,524.65	1/4	4,124.80	1/4	3,724.96	1/4	3,325.10	1/4	2,925.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,314.68	1/2	4,916.12	1/2	4,516.32	1/2	4,116.47	1/2	3,716.63	1/2	3,316.77	1/2	2,916.73		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,306.41	3/4	4,907.80	3/4	4,507.99	3/4	4,108.14	3/4	3,708.30	3/4	3,308.44	3/4	2,908.40		
6		6		6		6	5,298.15	6	4,899.48	6	4,499.66	6	4,099.81	6	3,699.97	6	3,300.10	6	2,900.06		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,667.83	1/4	5,289.88	1/4	4,891.16	1/4	4,491.33	1/4	4,091.48	1/4	3,691.64	1/4	3,291.77	1/4	2,891.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,663.13	1/2	5,281.61	1/2	4,882.84	1/2	4,483.00	1/2	4,083.15	1/2	3,683.31	1/2	3,283.43	1/2	2,883.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,657.24	3/4	5,273.32	3/4	4,874.51	3/4	4,474.67	3/4	4,074.82	3/4	3,674.98	3/4	3,275.10	3/4	2,875.06
7		7		7		7	5,651.35	7	5,265.03	7	4,866.18	7	4,466.34	7	4,066.49	7	3,666.65	7	3,266.76	7	2,866.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,645.45	1/4	5,256.74	1/4	4,857.85	1/4	4,458.01	1/4	4,058.16	1/4	3,658.32	1/4	3,258.43	1/4	2,858.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,639.56	1/2	5,248.46	1/2	4,849.52	1/2	4,449.68	1/2	4,049.83	1/2	3,649.99	1/2	3,250.10	1/2	2,850.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,632.48	3/4	5,240.15	3/4	4,841.19	3/4	4,441.35	3/4	4,041.50	3/4	3,641.66	3/4	3,241.76	3/4	2,841.73
8		8		8		8	5,625.40	8	5,231.84	8	4,832.86	8	4,433.02	8	4,033.17	8	3,633.33	8	3,233.43	8	2,833.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,618.32	1/4	5,223.53	1/4	4,824.53	1/4	4,424.69	1/4	4,024.84	1/4	3,625.00	1/4	3,225.09	1/4	2,825.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,611.24	1/2	5,215.22	1/2	4,816.20	1/2	4,416.36	1/2	4,016.51	1/2	3,616.67	1/2	3,216.76	1/2	2,816.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,603.26	3/4	5,206.91	3/4	4,807.87	3/4	4,408.03	3/4	4,008.18	3/4	3,608.34	3/4	3,208.43	3/4	2,808.39
9		9		9		9	5,595.29	9	5,198.61	9	4,799.54	9	4,399.70	9	3,999.85	9	3,600.01	9	3,200.09	9	2,800.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,587.31	1/4	5,190.30	1/4	4,791.21	1/4	4,391.37	1/4	3,991.52	1/4	3,591.68	1/4	3,191.76	1/4	2,791.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,579.34	1/2	5,181.99	1/2	4,782.88	1/2	4,383.04	1/2	3,983.19	1/2	3,583.35	1/2	3,183.42	1/2	2,783.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,571.06	3/4	5,173.68	3/4	4,774.55	3/4	4,374.71	3/4	3,974.86	3/4	3,575.02	3/4	3,175.09	3/4	2,775.05
10		10		10		10	5,562.79	10	5,165.37	10	4,766.22	10	4,366.38	10	3,966.53	10	3,566.69	10	3,166.76	10	2,766.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,554.52	1/4	5,157.06	1/4	4,757.89	1/4	4,358.05	1/4	3,958.20	1/4	3,558.36	1/4	3,158.42	1/4	2,758.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,546.25	1/2	5,148.75	1/2	4,749.56	1/2	4,349.72	1/2	3,949.87	1/2	3,550.03	1/2	3,150.09	1/2	2,750.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,537.97	3/4	5,140.45	3/4	4,741.23	3/4	4,341.39	3/4	3,941.54	3/4	3,541.70	3/4	3,141.75	3/4	2,741.72
11		11		11		11	5,529.70	11	5,132.14	11	4,732.90	11	4,333.06	11	3,933.21	11	3,533.37	11	3,133.42	11	2,733.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,521.43	1/4	5,123.83	1/4	4,724.57	1/4	4,324.73	1/4	3,924.88	1/4	3,525.04	1/4	3,125.09	1/4	2,725.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,513.15	1/2	5,115.52	1/2	4,716.24	1/2	4,316.40	1/2	3,916.55	1/2	3,516.71	1/2	3,116.75	1/2	2,716.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,504.88	3/4	5,107.21	3/4	4,707.91	3/4	4,308.07	3/4	3,908.22	3/4	3,508.38	3/4	3,108.42	3/4	2,708.38

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 GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "HTCO 3141"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,700.05	0	2,300.01	0	1,899.97	0	1,499.94	0	1,100.12	0	700.37	0	300.39	0		0		0	
1/4	2,691.71	1/4	2,291.68	1/4	1,891.64	1/4	1,491.60	1/4	1,091.80	1/4	692.04	1/4	292.06	1/4	1/4	1/4		1/4	
1/2	2,683.38	1/2	2,283.34	1/2	1,883.30	1/2	1,483.27	1/2	1,083.48	1/2	683.71	1/2	283.72	1/2	1/2	1/2		1/2	
3/4	2,675.04	3/4	2,275.01	3/4	1,874.97	3/4	1,474.93	3/4	1,075.16	3/4	675.38	3/4	275.39	3/4	3/4	3/4		3/4	
1	2,666.71	1	2,266.67	1	1,866.64	1	1,466.60	1	1,066.84	1	667.06	1	267.05	1	1	1		1	
1/4	2,658.38	1/4	2,258.34	1/4	1,858.30	1/4	1,458.27	1/4	1,058.52	1/4	658.73	1/4	258.72	1/4	1/4	1/4		1/4	
1/2	2,650.04	1/2	2,250.00	1/2	1,849.97	1/2	1,449.93	1/2	1,050.20	1/2	650.41	1/2	250.39	1/2	1/2	1/2		1/2	
3/4	2,641.71	3/4	2,241.67	3/4	1,841.63	3/4	1,441.60	3/4	1,041.88	3/4	642.07	3/4	242.05	3/4	3/4	3/4		3/4	
2	2,633.37	2	2,233.34	2	1,833.30	2	1,433.26	2	1,033.56	2	633.74	2	233.72	2	2	2		2	
1/4	2,625.04	1/4	2,225.00	1/4	1,824.97	1/4	1,424.93	1/4	1,025.24	1/4	625.41	1/4	225.38	1/4	1/4	1/4		1/4	
1/2	2,616.71	1/2	2,216.67	1/2	1,816.63	1/2	1,416.59	1/2	1,016.92	1/2	617.08	1/2	217.05	1/2	1/2	1/2		1/2	
3/4	2,608.37	3/4	2,208.33	3/4	1,808.30	3/4	1,408.26	3/4	1,008.59	3/4	608.75	3/4	208.72	3/4	3/4	3/4		3/4	
3	2,600.04	3	2,200.00	3	1,799.96	3	1,399.93	3	1,000.27	3	600.41	3	200.38	3	3	3		3	
1/4	2,591.70	1/4	2,191.67	1/4	1,791.63	1/4	1,391.59	1/4	991.95	1/4	592.08	1/4	192.05	1/4	1/4	1/4		1/4	
1/2	2,583.37	1/2	2,183.33	1/2	1,783.30	1/2	1,383.26	1/2	983.63	1/2	583.75	1/2	183.71	1/2	1/2	1/2		1/2	
3/4	2,575.03	3/4	2,175.00	3/4	1,774.96	3/4	1,374.92	3/4	975.31	3/4	575.41	3/4	175.38	3/4	3/4	3/4		3/4	
4	2,566.70	4	2,166.66	4	1,766.63	4	1,366.59	4	966.99	4	567.08	4	167.05	4	4	4		4	
1/4	2,558.37	1/4	2,158.33	1/4	1,758.29	1/4	1,358.26	1/4	958.67	1/4	558.74	1/4	158.71	1/4	1/4	1/4		1/4	
1/2	2,550.03	1/2	2,150.00	1/2	1,749.96	1/2	1,349.92	1/2	950.35	1/2	550.41	1/2	150.38	1/2	1/2	1/2		1/2	
3/4	2,541.70	3/4	2,141.66	3/4	1,741.62	3/4	1,341.59	3/4	942.03	3/4	542.08	3/4	142.04	3/4	3/4	3/4		3/4	
5	2,533.36	5	2,133.33	5	1,733.29	5	1,333.25	5	933.70	5	533.74	5	133.71	5	5	5		5	
1/4	2,525.03	1/4	2,124.99	1/4	1,724.96	1/4	1,324.92	1/4	925.37	1/4	525.41	1/4	125.38	1/4	1/4	1/4		1/4	
1/2	2,516.70	1/2	2,116.66	1/2	1,716.62	1/2	1,316.59	1/2	917.04	1/2	517.07	1/2	117.04	1/2	1/2	1/2		1/2	
3/4	2,508.36	3/4	2,108.33	3/4	1,708.29	3/4	1,308.25	3/4	908.71	3/4	508.74	3/4	108.71	3/4	3/4	3/4		3/4	
6	2,500.03	6	2,099.99	6	1,699.95	6	1,299.92	6	900.38	6	500.41	6	100.37	6	6	6		6	
1/4	2,491.69	1/4	2,091.66	1/4	1,691.62	1/4	1,291.58	1/4	892.04	1/4	492.07	1/4	92.04	1/4	1/4	1/4		1/4	
1/2	2,483.36	1/2	2,083.32	1/2	1,683.29	1/2	1,283.25	1/2	883.71	1/2	483.74	1/2	83.71	1/2	1/2	1/2		1/2	
3/4	2,475.03	3/4	2,074.99	3/4	1,674.95	3/4	1,274.92	3/4	875.38	3/4	475.40	3/4	75.89	3/4	3/4	3/4		3/4	
7	2,466.69	7	2,066.65	7	1,666.62	7	1,266.59	7	867.04	7	467.07	7	68.08	7	7	7		7	
1/4	2,458.36	1/4	2,058.32	1/4	1,658.28	1/4	1,258.26	1/4	858.71	1/4	458.74	1/4	60.27	1/4	1/4	1/4		1/4	
1/2	2,450.02	1/2	2,049.99	1/2	1,649.95	1/2	1,249.93	1/2	850.37	1/2	450.40	1/2	52.45	1/2	1/2	1/2		1/2	
3/4	2,441.69	3/4	2,041.65	3/4	1,641.62	3/4	1,241.60	3/4	842.04	3/4	442.07	3/4	46.20	3/4	3/4	3/4		3/4	
8	2,433.35	8	2,033.32	8	1,633.28	8	1,233.27	8	833.71	8	433.73	8	39.95	8	8	8		8	
1/4	2,425.02	1/4	2,024.98	1/4	1,624.95	1/4	1,224.94	1/4	825.37	1/4	425.40	1/4	33.70	1/4	1/4	1/4		1/4	
1/2	2,416.69	1/2	2,016.65	1/2	1,616.61	1/2	1,216.62	1/2	817.04	1/2	417.07	1/2	27.45	1/2	1/2	1/2		1/2	
3/4	2,408.35	3/4	2,008.32	3/4	1,608.28	3/4	1,208.29	3/4	808.70	3/4	408.73	3/4	23.29	3/4	3/4	3/4		3/4	
9	2,400.02	9	1,999.98	9	1,599.94	9	1,199.97	9	800.37	9	400.40	9		9	9	9		9	
1/4	2,391.68	1/4	1,991.65	1/4	1,591.61	1/4	1,191.64	1/4	792.04	1/4	392.06	1/4		1/4	1/4	1/4		1/4	
1/2	2,383.35	1/2	1,983.31	1/2	1,583.28	1/2	1,183.32	1/2	783.70	1/2	383.73	1/2		1/2	1/2	1/2		1/2	
3/4	2,375.02	3/4	1,974.98	3/4	1,574.94	3/4	1,175.00	3/4	775.37	3/4	375.40	3/4		3/4	3/4	3/4		3/4	
10	2,366.68	10	1,966.65	10	1,566.61	10	1,166.68	10	767.03	10	367.06	10		10	10	10		10	
1/4	2,358.35	1/4	1,958.31	1/4	1,558.27	1/4	1,158.36	1/4	758.70	1/4	358.73	1/4		1/4	1/4	1/4		1/4	
1/2	2,350.01	1/2	1,949.98	1/2	1,549.94	1/2	1,150.04	1/2	750.37	1/2	350.39	1/2		1/2	1/2	1/2		1/2	
3/4	2,341.68	3/4	1,941.64	3/4	1,541.61	3/4	1,141.72	3/4	742.03	3/4	342.06	3/4		3/4	3/4	3/4		3/4	
11	2,333.35	11	1,933.31	11	1,533.27	11	1,133.40	11	733.70	11	333.73	11		11	11	11		11	
1/4	2,325.01	1/4	1,924.97	1/4	1,524.94	1/4	1,125.08	1/4	725.37	1/4	325.39	1/4		1/4	1/4	1/4		1/4	
1/2	2,316.68	1/2	1,916.64	1/2	1,516.60	1/2	1,116.76	1/2	717.03	1/2	317.06	1/2		1/2	1/2	1/2		1/2	
3/4	2,308.34	3/4	1,908.31	3/4	1,508.27	3/4	1,108.44	3/4	708.70	3/4	308.72	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/28/2015 SW
RECALCULATED: 07/17/2023 CL
VERIFIED: 07/13/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "HTCO 3141"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	5,326.90	0	4,942.38	0	4,556.20	0	4,169.44	0	3,782.68	0	3,395.92	0	3,009.06	
1/4	1/4	1/4	1/4	1/4	1/4	5,318.90	1/4	4,934.34	1/4	4,548.14	1/4	4,161.38	1/4	3,774.62	1/4	3,387.86	1/4	3,001.00	
1/2	1/2	1/2	1/2	1/2	1/2	5,310.90	1/2	4,926.31	1/2	4,540.08	1/2	4,153.32	1/2	3,766.56	1/2	3,379.80	1/2	2,992.94	
3/4	3/4	3/4	3/4	3/4	3/4	5,302.90	3/4	4,918.27	3/4	4,532.02	3/4	4,145.26	3/4	3,758.50	3/4	3,371.74	3/4	2,984.87	
1	1	1	1	1	1	5,294.90	1	4,910.24	1	4,523.97	1	4,137.21	1	3,750.45	1	3,363.69	1	2,976.81	
1/4	1/4	1/4	1/4	1/4	1/4	5,286.90	1/4	4,902.20	1/4	4,515.91	1/4	4,129.15	1/4	3,742.39	1/4	3,355.63	1/4	2,968.75	
1/2	1/2	1/2	1/2	1/2	1/2	5,278.90	1/2	4,894.17	1/2	4,507.85	1/2	4,121.09	1/2	3,734.33	1/2	3,347.57	1/2	2,960.69	
3/4	3/4	3/4	3/4	3/4	3/4	5,270.90	3/4	4,886.13	3/4	4,499.79	3/4	4,113.03	3/4	3,726.27	3/4	3,339.51	3/4	2,952.63	
2	2	2	2	2	2	5,262.90	2	4,878.09	2	4,491.74	2	4,104.98	2	3,718.22	2	3,331.46	2	2,944.57	
1/4	1/4	1/4	1/4	1/4	1/4	5,254.90	1/4	4,870.06	1/4	4,483.68	1/4	4,096.92	1/4	3,710.16	1/4	3,323.40	1/4	2,936.51	
1/2	1/2	1/2	1/2	1/2	1/2	5,246.91	1/2	4,862.02	1/2	4,475.62	1/2	4,088.86	1/2	3,702.10	1/2	3,315.34	1/2	2,928.44	
3/4	3/4	3/4	3/4	3/4	3/4	5,238.91	3/4	4,853.99	3/4	4,467.56	3/4	4,080.80	3/4	3,694.04	3/4	3,307.28	3/4	2,920.38	
3	3	3	3	3	3	5,230.92	3	4,845.95	3	4,459.51	3	4,072.75	3	3,685.99	3	3,299.23	3	2,912.32	
1/4	1/4	1/4	1/4	1/4	1/4	5,222.92	1/4	4,837.91	1/4	4,451.45	1/4	4,064.69	1/4	3,677.93	1/4	3,291.17	1/4	2,904.26	
1/2	1/2	1/2	1/2	1/2	1/2	5,214.92	1/2	4,829.88	1/2	4,443.39	1/2	4,056.63	1/2	3,669.87	1/2	3,283.11	1/2	2,896.20	
3/4	3/4	3/4	3/4	3/4	3/4	5,206.93	3/4	4,821.84	3/4	4,435.33	3/4	4,048.57	3/4	3,661.81	3/4	3,275.05	3/4	2,888.14	
4	4	4	4	4	4	5,198.93	4	4,813.81	4	4,427.28	4	4,040.52	4	3,653.76	4	3,267.00	4	2,880.07	
1/4	1/4	1/4	1/4	1/4	1/4	5,190.93	1/4	4,805.77	1/4	4,419.22	1/4	4,032.46	1/4	3,645.70	1/4	3,258.94	1/4	2,872.01	
1/2	1/2	1/2	1/2	1/2	1/2	5,182.94	1/2	4,797.74	1/2	4,411.16	1/2	4,024.40	1/2	3,637.64	1/2	3,250.88	1/2	2,863.95	
3/4	3/4	3/4	3/4	3/4	3/4	5,174.94	3/4	4,789.70	3/4	4,403.10	3/4	4,016.34	3/4	3,629.58	3/4	3,242.82	3/4	2,855.89	
5	5	5	5	5	5	5,166.95	5	4,781.66	5	4,395.05	5	4,008.29	5	3,621.53	5	3,234.77	5	2,847.83	
1/4	1/4	1/4	1/4	1/4	1/4	5,158.95	1/4	4,773.63	1/4	4,386.99	1/4	4,000.23	1/4	3,613.47	1/4	3,226.71	1/4	2,839.77	
1/2	1/2	1/2	1/2	1/2	1/2	5,150.95	1/2	4,765.59	1/2	4,378.93	1/2	3,992.17	1/2	3,605.41	1/2	3,218.65	1/2	2,831.70	
3/4	3/4	3/4	3/4	3/4	3/4	5,142.96	3/4	4,757.56	3/4	4,370.87	3/4	3,984.11	3/4	3,597.35	3/4	3,210.59	3/4	2,823.64	
6	6	6	6	6	6	5,134.96	6	4,749.52	6	4,362.82	6	3,976.06	6	3,589.30	6	3,202.53	6	2,815.58	
1/4	1/4	1/4	1/4	1/4	1/4	5,126.97	1/4	4,741.48	1/4	4,354.76	1/4	3,968.00	1/4	3,581.24	1/4	3,194.48	1/4	2,807.52	
1/2	1/2	1/2	1/2	1/2	1/2	5,118.97	1/2	4,733.44	1/2	4,346.70	1/2	3,959.94	1/2	3,573.18	1/2	3,186.41	1/2	2,799.46	
3/4	3/4	3/4	3/4	3/4	3/4	5,110.97	3/4	4,725.39	3/4	4,338.64	3/4	3,951.88	3/4	3,565.12	3/4	3,178.35	3/4	2,791.40	
7	7	7	7	5,468.47	7	5,102.98	7	4,717.34	7	4,330.59	7	3,943.83	7	3,557.07	7	3,170.29	7	2,783.33	
1/4	1/4	1/4	1/4	5,463.92	1/4	5,094.98	1/4	4,709.29	1/4	4,322.53	1/4	3,935.77	1/4	3,549.01	1/4	3,162.23	1/4	2,775.27	
1/2	1/2	1/2	1/2	5,458.23	1/2	5,086.97	1/2	4,701.23	1/2	4,314.47	1/2	3,927.71	1/2	3,540.95	1/2	3,154.17	1/2	2,767.21	
3/4	3/4	3/4	3/4	5,452.53	3/4	5,078.95	3/4	4,693.17	3/4	4,306.41	3/4	3,919.65	3/4	3,532.89	3/4	3,146.11	3/4	2,759.15	
8	8	8	8	5,446.83	8	5,070.93	8	4,685.12	8	4,298.36	8	3,911.60	8	3,524.84	8	3,138.05	8	2,751.09	
1/4	1/4	1/4	1/4	5,441.14	1/4	5,062.92	1/4	4,677.06	1/4	4,290.30	1/4	3,903.54	1/4	3,516.78	1/4	3,129.98	1/4	2,743.03	
1/2	1/2	1/2	1/2	5,434.29	1/2	5,054.88	1/2	4,669.00	1/2	4,282.24	1/2	3,895.48	1/2	3,508.72	1/2	3,121.92	1/2	2,734.97	
3/4	3/4	3/4	3/4	5,427.44	3/4	5,046.85	3/4	4,660.94	3/4	4,274.18	3/4	3,887.42	3/4	3,500.66	3/4	3,113.86	3/4	2,726.90	
9	9	9	9	5,420.59	9	5,038.81	9	4,652.89	9	4,266.13	9	3,879.37	9	3,492.61	9	3,105.80	9	2,718.84	
1/4	1/4	1/4	1/4	5,413.74	1/4	5,030.77	1/4	4,644.83	1/4	4,258.07	1/4	3,871.31	1/4	3,484.55	1/4	3,097.74	1/4	2,710.78	
1/2	1/2	1/2	1/2	5,406.03	1/2	5,022.74	1/2	4,636.77	1/2	4,250.01	1/2	3,863.25	1/2	3,476.49	1/2	3,089.68	1/2	2,702.72	
3/4	3/4	3/4	3/4	5,398.32	3/4	5,014.70	3/4	4,628.71	3/4	4,241.95	3/4	3,855.19	3/4	3,468.43	3/4	3,081.61	3/4	2,694.66	
10	10	10	10	5,390.61	10	5,006.67	10	4,620.66	10	4,233.90	10	3,847.14	10	3,460.38	10	3,073.55	10	2,686.60	
1/4	1/4	1/4	1/4	5,382.90	1/4	4,998.63	1/4	4,612.60	1/4	4,225.84	1/4	3,839.08	1/4	3,452.32	1/4	3,065.49	1/4	2,678.53	
1/2	1/2	1/2	1/2	5,374.90	1/2	4,990.59	1/2	4,604.54	1/2	4,217.78	1/2	3,831.02	1/2	3,444.26	1/2	3,057.43	1/2	2,670.47	
3/4	3/4	3/4	3/4	5,366.90	3/4	4,982.56	3/4	4,596.48	3/4	4,209.72	3/4	3,822.96	3/4	3,436.20	3/4	3,049.37	3/4	2,662.41	
11	11	11	11	5,358.90	11	4,974.52	11	4,588.43	11	4,201.67	11	3,814.91	11	3,428.15	11	3,041.31	11	2,654.35	
1/4	1/4	1/4	1/4	5,350.90	1/4	4,966.49	1/4	4,580.37	1/4	4,193.61	1/4	3,806.85	1/4	3,420.09	1/4	3,033.24	1/4	2,646.29	
1/2	1/2	1/2	1/2	5,342.90	1/2	4,958.45	1/2	4,572.31	1/2	4,185.55	1/2	3,798.79	1/2	3,412.03	1/2	3,025.18	1/2	2,638.23	
3/4	3/4	3/4	3/4	5,334.90	3/4	4,950.42	3/4	4,564.25	3/4	4,177.49	3/4	3,790.73	3/4	3,403.97	3/4	3,017.12	3/4	2,630.16	

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 GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "HTCO 3141"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,622.10	0	2,235.15	0	1,848.19	0	1,461.23	0	1,081.66	0	701.71	0	314.76	0		0		0	
1/4	2,614.04	1/4	2,227.08	1/4	1,840.13	1/4	1,453.17	1/4	1,073.90	1/4	693.65	1/4	306.70	1/4	1/4	1/4		1/4	1/4
1/2	2,605.98	1/2	2,219.02	1/2	1,832.07	1/2	1,445.11	1/2	1,066.14	1/2	685.58	1/2	298.64	1/2	1/2	1/2		1/2	1/2
3/4	2,597.92	3/4	2,210.96	3/4	1,824.00	3/4	1,437.05	3/4	1,058.38	3/4	677.52	3/4	290.58	3/4	3/4	3/4		3/4	3/4
1	2,589.86	1	2,202.90	1	1,815.94	1	1,428.99	1	1,050.63	1	669.46	1	282.51	1	1	1		1	1
1/4	2,581.79	1/4	2,194.84	1/4	1,807.88	1/4	1,420.92	1/4	1,042.87	1/4	661.40	1/4	274.45	1/4	1/4	1/4		1/4	1/4
1/2	2,573.73	1/2	2,186.78	1/2	1,799.82	1/2	1,412.86	1/2	1,035.11	1/2	653.34	1/2	266.39	1/2	1/2	1/2		1/2	1/2
3/4	2,565.67	3/4	2,178.71	3/4	1,791.76	3/4	1,404.80	3/4	1,027.35	3/4	645.28	3/4	258.33	3/4	3/4	3/4		3/4	3/4
2	2,557.61	2	2,170.65	2	1,783.70	2	1,396.74	2	1,019.60	2	637.22	2	250.27	2	2	2		2	2
1/4	2,549.55	1/4	2,162.59	1/4	1,775.63	1/4	1,388.68	1/4	1,011.84	1/4	629.15	1/4	242.21	1/4	1/4	1/4		1/4	1/4
1/2	2,541.49	1/2	2,154.53	1/2	1,767.57	1/2	1,380.62	1/2	1,004.08	1/2	621.09	1/2	234.15	1/2	1/2	1/2		1/2	1/2
3/4	2,533.43	3/4	2,146.47	3/4	1,759.51	3/4	1,372.55	3/4	996.32	3/4	613.03	3/4	226.08	3/4	3/4	3/4		3/4	3/4
3	2,525.36	3	2,138.41	3	1,751.45	3	1,364.49	3	988.57	3	604.97	3	218.02	3	3	3		3	3
1/4	2,517.30	1/4	2,130.35	1/4	1,743.39	1/4	1,356.43	1/4	980.81	1/4	596.91	1/4	209.96	1/4	1/4	1/4		1/4	1/4
1/2	2,509.24	1/2	2,122.28	1/2	1,735.33	1/2	1,348.37	1/2	973.05	1/2	588.85	1/2	201.90	1/2	1/2	1/2		1/2	1/2
3/4	2,501.18	3/4	2,114.22	3/4	1,727.27	3/4	1,340.31	3/4	965.30	3/4	580.79	3/4	193.84	3/4	3/4	3/4		3/4	3/4
4	2,493.12	4	2,106.16	4	1,719.20	4	1,332.25	4	957.54	4	572.72	4	185.78	4	4	4		4	4
1/4	2,485.06	1/4	2,098.10	1/4	1,711.14	1/4	1,324.19	1/4	949.78	1/4	564.66	1/4	177.72	1/4	1/4	1/4		1/4	1/4
1/2	2,476.99	1/2	2,090.04	1/2	1,703.08	1/2	1,316.12	1/2	942.02	1/2	556.60	1/2	169.65	1/2	1/2	1/2		1/2	1/2
3/4	2,468.93	3/4	2,081.98	3/4	1,695.02	3/4	1,308.06	3/4	934.27	3/4	548.54	3/4	161.59	3/4	3/4	3/4		3/4	3/4
5	2,460.87	5	2,073.91	5	1,686.96	5	1,300.00	5	926.51	5	540.48	5	153.53	5	5	5		5	5
1/4	2,452.81	1/4	2,065.85	1/4	1,678.90	1/4	1,291.94	1/4	918.75	1/4	532.42	1/4	145.47	1/4	1/4	1/4		1/4	1/4
1/2	2,444.75	1/2	2,057.79	1/2	1,670.83	1/2	1,284.02	1/2	910.84	1/2	524.36	1/2	137.41	1/2	1/2	1/2		1/2	1/2
3/4	2,436.69	3/4	2,049.73	3/4	1,662.77	3/4	1,276.10	3/4	902.94	3/4	516.29	3/4	129.35	3/4	3/4	3/4		3/4	3/4
6	2,428.62	6	2,041.67	6	1,654.71	6	1,268.18	6	895.03	6	508.23	6	121.29	6	6	6		6	6
1/4	2,420.56	1/4	2,033.61	1/4	1,646.65	1/4	1,260.26	1/4	887.12	1/4	500.17	1/4	113.22	1/4	1/4	1/4		1/4	1/4
1/2	2,412.50	1/2	2,025.54	1/2	1,638.59	1/2	1,252.48	1/2	879.06	1/2	492.11	1/2	105.16	1/2	1/2	1/2		1/2	1/2
3/4	2,404.44	3/4	2,017.48	3/4	1,630.53	3/4	1,244.70	3/4	871.00	3/4	484.05	3/4	97.10	3/4	3/4	3/4		3/4	3/4
7	2,396.38	7	2,009.42	7	1,622.46	7	1,236.92	7	862.94	7	475.99	7	89.04	7	7	7		7	7
1/4	2,388.32	1/4	2,001.36	1/4	1,614.40	1/4	1,229.14	1/4	854.87	1/4	467.93	1/4	80.98	1/4	1/4	1/4		1/4	1/4
1/2	2,380.25	1/2	1,993.30	1/2	1,606.34	1/2	1,221.37	1/2	846.81	1/2	459.87	1/2	73.42	1/2	1/2	1/2		1/2	1/2
3/4	2,372.19	3/4	1,985.24	3/4	1,598.28	3/4	1,213.60	3/4	838.75	3/4	451.80	3/4	65.86	3/4	3/4	3/4		3/4	3/4
8	2,364.13	8	1,977.17	8	1,590.22	8	1,205.83	8	830.69	8	443.74	8	58.31	8	8	8		8	8
1/4	2,356.07	1/4	1,969.11	1/4	1,582.16	1/4	1,198.06	1/4	822.63	1/4	435.68	1/4	50.75	1/4	1/4	1/4		1/4	1/4
1/2	2,348.01	1/2	1,961.05	1/2	1,574.09	1/2	1,190.29	1/2	814.57	1/2	427.62	1/2	44.70	1/2	1/2	1/2		1/2	1/2
3/4	2,339.95	3/4	1,952.99	3/4	1,566.03	3/4	1,182.53	3/4	806.51	3/4	419.56	3/4	38.66	3/4	3/4	3/4		3/4	3/4
9	2,331.89	9	1,944.93	9	1,557.97	9	1,174.76	9	798.44	9	411.50	9	32.61	9	9	9		9	9
1/4	2,323.82	1/4	1,936.87	1/4	1,549.91	1/4	1,167.00	1/4	790.38	1/4	403.44	1/4	26.57	1/4	1/4	1/4		1/4	1/4
1/2	2,315.76	1/2	1,928.81	1/2	1,541.85	1/2	1,159.24	1/2	782.32	1/2	395.37	1/2	22.53	1/2	1/2	1/2		1/2	1/2
3/4	2,307.70	3/4	1,920.74	3/4	1,533.79	3/4	1,151.48	3/4	774.26	3/4	387.31	3/4		3/4	3/4	3/4		3/4	3/4
10	2,299.64	10	1,912.68	10	1,525.73	10	1,143.72	10	766.20	10	379.25	10		10	10	10		10	10
1/4	2,291.58	1/4	1,904.62	1/4	1,517.66	1/4	1,135.96	1/4	758.14	1/4	371.19	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,283.52	1/2	1,896.56	1/2	1,509.60	1/2	1,128.20	1/2	750.08	1/2	363.13	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,275.45	3/4	1,888.50	3/4	1,501.54	3/4	1,120.44	3/4	742.01	3/4	355.07	3/4		3/4	3/4	3/4		3/4	3/4
11	2,267.39	11	1,880.44	11	1,493.48	11	1,112.68	11	733.95	11	347.01	11		11	11	11		11	11
1/4	2,259.33	1/4	1,872.37	1/4	1,485.42	1/4	1,104.93	1/4	725.89	1/4	338.94	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,251.27	1/2	1,864.31	1/2	1,477.36	1/2	1,097.17	1/2	717.83	1/2	330.88	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,243.21	3/4	1,856.25	3/4	1,469.29	3/4	1,089.41	3/4	709.77	3/4	322.82	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/28/2015 SW
RECALCULATED: 07/17/2023 CL
VERIFIED: 07/13/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "HTCO 3141"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	5,325.40	0	4,940.77	0	4,554.52	0	4,167.71	0	3,780.90	0	3,394.10	0	3,007.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,317.40	1/4	4,932.74	1/4	4,546.46	1/4	4,159.65	1/4	3,772.84	1/4	3,386.04	1/4	2,999.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,309.40	1/2	4,924.70	1/2	4,538.40	1/2	4,151.59	1/2	3,764.79	1/2	3,377.98	1/2	2,991.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,301.40	3/4	4,916.66	3/4	4,530.34	3/4	4,143.54	3/4	3,756.73	3/4	3,369.92	3/4	2,983.00
1		1		1		1	5,293.40	1	4,908.63	1	4,522.29	1	4,135.48	1	3,748.67	1	3,361.86	1	2,974.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,285.40	1/4	4,900.59	1/4	4,514.23	1/4	4,127.42	1/4	3,740.61	1/4	3,353.80	1/4	2,966.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,277.40	1/2	4,892.55	1/2	4,506.17	1/2	4,119.36	1/2	3,732.55	1/2	3,345.74	1/2	2,958.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,269.41	3/4	4,884.52	3/4	4,498.11	3/4	4,111.30	3/4	3,724.49	3/4	3,337.69	3/4	2,950.75
2		2		2		2	5,261.41	2	4,876.48	2	4,490.05	2	4,103.24	2	3,716.44	2	3,329.63	2	2,942.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,253.41	1/4	4,868.44	1/4	4,481.99	1/4	4,095.18	1/4	3,708.38	1/4	3,321.57	1/4	2,934.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,245.41	1/2	4,860.41	1/2	4,473.93	1/2	4,087.13	1/2	3,700.32	1/2	3,313.51	1/2	2,926.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,237.42	3/4	4,852.37	3/4	4,465.88	3/4	4,079.07	3/4	3,692.26	3/4	3,305.45	3/4	2,918.50
3		3		3		3	5,229.42	3	4,844.33	3	4,457.82	3	4,071.01	3	3,684.20	3	3,297.39	3	2,910.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,221.42	1/4	4,836.30	1/4	4,449.76	1/4	4,062.95	1/4	3,676.14	1/4	3,289.33	1/4	2,902.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,213.43	1/2	4,828.26	1/2	4,441.70	1/2	4,054.89	1/2	3,668.08	1/2	3,281.28	1/2	2,894.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,205.43	3/4	4,820.22	3/4	4,433.64	3/4	4,046.83	3/4	3,660.03	3/4	3,273.22	3/4	2,886.25
4		4		4		4	5,197.43	4	4,812.19	4	4,425.58	4	4,038.78	4	3,651.97	4	3,265.16	4	2,878.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,189.44	1/4	4,804.15	1/4	4,417.52	1/4	4,030.72	1/4	3,643.91	1/4	3,257.10	1/4	2,870.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,181.44	1/2	4,796.11	1/2	4,409.47	1/2	4,022.66	1/2	3,635.85	1/2	3,249.04	1/2	2,862.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,173.44	3/4	4,788.08	3/4	4,401.41	3/4	4,014.60	3/4	3,627.79	3/4	3,240.98	3/4	2,854.00
5		5		5		5	5,165.44	5	4,780.04	5	4,393.35	5	4,006.54	5	3,619.73	5	3,232.92	5	2,845.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,157.45	1/4	4,772.00	1/4	4,385.29	1/4	3,998.48	1/4	3,611.67	1/4	3,224.87	1/4	2,837.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,149.45	1/2	4,763.97	1/2	4,377.23	1/2	3,990.42	1/2	3,603.62	1/2	3,216.81	1/2	2,829.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,141.45	3/4	4,755.93	3/4	4,369.17	3/4	3,982.37	3/4	3,595.56	3/4	3,208.75	3/4	2,821.75
6		6		6		6	5,133.46	6	4,747.88	6	4,361.12	6	3,974.31	6	3,587.50	6	3,200.69	6	2,813.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,125.46	1/4	4,739.84	1/4	4,353.06	1/4	3,966.25	1/4	3,579.44	1/4	3,192.62	1/4	2,805.62
1/2	1/2	1/2	5,483.00	1/2	5,117.46	1/2	4,731.79	1/2	4,345.00	1/2	3,958.19	1/2	3,571.38	1/2	3,184.56	1/2	2,797.56		
3/4	3/4	3/4	5,478.45	3/4	5,109.47	3/4	4,723.75	3/4	4,336.94	3/4	3,950.13	3/4	3,563.32	3/4	3,176.50	3/4	2,789.50		
7		7	5,472.76	7	5,101.45	7	4,715.69	7	4,328.88	7	3,942.07	7	3,555.27	7	3,168.44	7	2,781.44		
1/4	1/4	1/4	5,467.06	1/4	5,093.43	1/4	4,707.63	1/4	4,320.82	1/4	3,934.01	1/4	3,547.21	1/4	3,160.37	1/4	2,773.37		
1/2	1/2	1/2	5,461.36	1/2	5,085.41	1/2	4,699.57	1/2	4,312.76	1/2	3,925.96	1/2	3,539.15	1/2	3,152.31	1/2	2,765.31		
3/4	3/4	3/4	5,455.66	3/4	5,077.40	3/4	4,691.51	3/4	4,304.71	3/4	3,917.90	3/4	3,531.09	3/4	3,144.25	3/4	2,757.25		
8		8	5,448.81	8	5,069.36	8	4,683.46	8	4,296.65	8	3,909.84	8	3,523.03	8	3,136.19	8	2,749.19		
1/4	1/4	1/4	5,441.97	1/4	5,061.32	1/4	4,675.40	1/4	4,288.59	1/4	3,901.78	1/4	3,514.97	1/4	3,128.12	1/4	2,741.12		
1/2	1/2	1/2	5,435.12	1/2	5,053.29	1/2	4,667.34	1/2	4,280.53	1/2	3,893.72	1/2	3,506.91	1/2	3,120.06	1/2	2,733.06		
3/4	3/4	3/4	5,428.27	3/4	5,045.25	3/4	4,659.28	3/4	4,272.47	3/4	3,885.66	3/4	3,498.86	3/4	3,112.00	3/4	2,725.00		
9		9	5,420.55	9	5,037.21	9	4,651.22	9	4,264.41	9	3,877.61	9	3,490.80	9	3,103.94	9	2,716.94		
1/4	1/4	1/4	5,412.84	1/4	5,029.18	1/4	4,643.16	1/4	4,256.35	1/4	3,869.55	1/4	3,482.74	1/4	3,095.87	1/4	2,708.87		
1/2	1/2	1/2	5,405.13	1/2	5,021.14	1/2	4,635.10	1/2	4,248.30	1/2	3,861.49	1/2	3,474.68	1/2	3,087.81	1/2	2,700.81		
3/4	3/4	3/4	5,397.41	3/4	5,013.10	3/4	4,627.05	3/4	4,240.24	3/4	3,853.43	3/4	3,466.62	3/4	3,079.75	3/4	2,692.75		
10		10	5,389.41	10	5,005.07	10	4,618.99	10	4,232.18	10	3,845.37	10	3,458.56	10	3,071.69	10	2,684.69		
1/4	1/4	1/4	5,381.41	1/4	4,997.03	1/4	4,610.93	1/4	4,224.12	1/4	3,837.31	1/4	3,450.50	1/4	3,063.62	1/4	2,676.62		
1/2	1/2	1/2	5,373.41	1/2	4,988.99	1/2	4,602.87	1/2	4,216.06	1/2	3,829.25	1/2	3,442.45	1/2	3,055.56	1/2	2,668.56		
3/4	3/4	3/4	5,365.41	3/4	4,980.96	3/4	4,594.81	3/4	4,208.00	3/4	3,821.20	3/4	3,434.39	3/4	3,047.50	3/4	2,660.50		
11		11	5,357.41	11	4,972.92	11	4,586.75	11	4,199.95	11	3,813.14	11	3,426.33	11	3,039.44	11	2,652.44		
1/4	1/4	1/4	5,349.41	1/4	4,964.88	1/4	4,578.69	1/4	4,191.89	1/4	3,805.08	1/4	3,418.27	1/4	3,031.37	1/4	2,644.37		
1/2	1/2	1/2	5,341.41	1/2	4,956.85	1/2	4,570.64	1/2	4,183.83	1/2	3,797.02	1/2	3,410.21	1/2	3,023.31	1/2	2,636.31		
3/4	3/4	3/4	5,333.40	3/4	4,948.81	3/4	4,562.58	3/4	4,175.77	3/4	3,788.96	3/4	3,402.15	3/4	3,015.25	3/4	2,628.25		

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 GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "HTCO 3141"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09"

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	2,620.19	0	2,233.19	0	1,846.19	0	1,459.19	0	1,072.37	0	685.65	0	298.66	0		0		0	
1/4	2,612.12	1/4	2,225.12	1/4	1,838.12	1/4	1,451.12	1/4	1,064.32	1/4	677.59	1/4	290.60	1/4	1/4		1/4		1/4
1/2	2,604.06	1/2	2,217.06	1/2	1,830.06	1/2	1,443.06	1/2	1,056.27	1/2	669.52	1/2	282.54	1/2	1/2		1/2		1/2
3/4	2,596.00	3/4	2,209.00	3/4	1,822.00	3/4	1,435.00	3/4	1,048.22	3/4	661.46	3/4	274.48	3/4	3/4		3/4		3/4
1	2,587.94	1	2,200.94	1	1,813.94	1	1,426.94	1	1,040.17	1	653.40	1	266.41	1	1		1		1
1/4	2,579.87	1/4	2,192.87	1/4	1,805.87	1/4	1,418.87	1/4	1,032.13	1/4	645.34	1/4	258.35	1/4	1/4		1/4		1/4
1/2	2,571.81	1/2	2,184.81	1/2	1,797.81	1/2	1,410.81	1/2	1,024.08	1/2	637.28	1/2	250.29	1/2	1/2		1/2		1/2
3/4	2,563.75	3/4	2,176.75	3/4	1,789.75	3/4	1,402.75	3/4	1,016.03	3/4	629.21	3/4	242.23	3/4	3/4		3/4		3/4
2	2,555.69	2	2,168.69	2	1,781.69	2	1,394.69	2	1,007.98	2	621.15	2	234.17	2	2		2		2
1/4	2,547.62	1/4	2,160.62	1/4	1,773.62	1/4	1,386.62	1/4	999.93	1/4	613.09	1/4	226.10	1/4	1/4		1/4		1/4
1/2	2,539.56	1/2	2,152.56	1/2	1,765.56	1/2	1,378.56	1/2	991.88	1/2	605.03	1/2	218.04	1/2	1/2		1/2		1/2
3/4	2,531.50	3/4	2,144.50	3/4	1,757.50	3/4	1,370.50	3/4	983.83	3/4	596.96	3/4	209.98	3/4	3/4		3/4		3/4
3	2,523.44	3	2,136.44	3	1,749.44	3	1,362.44	3	975.78	3	588.90	3	201.92	3	3		3		3
1/4	2,515.37	1/4	2,128.37	1/4	1,741.37	1/4	1,354.37	1/4	967.73	1/4	580.84	1/4	193.85	1/4	1/4		1/4		1/4
1/2	2,507.31	1/2	2,120.31	1/2	1,733.31	1/2	1,346.31	1/2	959.68	1/2	572.78	1/2	185.79	1/2	1/2		1/2		1/2
3/4	2,499.25	3/4	2,112.25	3/4	1,725.25	3/4	1,338.25	3/4	951.63	3/4	564.72	3/4	177.73	3/4	3/4		3/4		3/4
4	2,491.19	4	2,104.19	4	1,717.19	4	1,330.19	4	943.58	4	556.65	4	169.67	4	4		4		4
1/4	2,483.12	1/4	2,096.12	1/4	1,709.12	1/4	1,322.12	1/4	935.53	1/4	548.59	1/4	161.61	1/4	1/4		1/4		1/4
1/2	2,475.06	1/2	2,088.06	1/2	1,701.06	1/2	1,314.06	1/2	927.48	1/2	540.53	1/2	153.54	1/2	1/2		1/2		1/2
3/4	2,467.00	3/4	2,080.00	3/4	1,693.00	3/4	1,306.00	3/4	919.43	3/4	532.47	3/4	145.48	3/4	3/4		3/4		3/4
5	2,458.94	5	2,071.94	5	1,684.94	5	1,297.94	5	911.38	5	524.40	5	137.42	5	5		5		5
1/4	2,450.87	1/4	2,063.87	1/4	1,676.87	1/4	1,289.87	1/4	903.32	1/4	516.34	1/4	129.36	1/4	1/4		1/4		1/4
1/2	2,442.81	1/2	2,055.81	1/2	1,668.81	1/2	1,281.81	1/2	895.26	1/2	508.28	1/2	121.29	1/2	1/2		1/2		1/2
3/4	2,434.75	3/4	2,047.75	3/4	1,660.75	3/4	1,273.75	3/4	887.20	3/4	500.22	3/4	113.23	3/4	3/4		3/4		3/4
6	2,426.69	6	2,039.69	6	1,652.69	6	1,265.69	6	879.14	6	492.16	6	105.17	6	6		6		6
1/4	2,418.62	1/4	2,031.62	1/4	1,644.62	1/4	1,257.62	1/4	871.08	1/4	484.09	1/4	97.11	1/4	1/4		1/4		1/4
1/2	2,410.56	1/2	2,023.56	1/2	1,636.56	1/2	1,249.56	1/2	863.02	1/2	476.03	1/2	89.05	1/2	1/2		1/2		1/2
3/4	2,402.50	3/4	2,015.50	3/4	1,628.50	3/4	1,241.50	3/4	854.96	3/4	467.97	3/4	80.98	3/4	3/4		3/4		3/4
7	2,394.44	7	2,007.44	7	1,620.44	7	1,233.44	7	846.89	7	459.91	7	73.43	7	7		7		7
1/4	2,386.37	1/4	1,999.37	1/4	1,612.37	1/4	1,225.38	1/4	838.83	1/4	451.85	1/4	65.87	1/4	1/4		1/4		1/4
1/2	2,378.31	1/2	1,991.31	1/2	1,604.31	1/2	1,217.32	1/2	830.77	1/2	443.78	1/2	58.31	1/2	1/2		1/2		1/2
3/4	2,370.25	3/4	1,983.25	3/4	1,596.25	3/4	1,209.26	3/4	822.71	3/4	435.72	3/4	50.75	3/4	3/4		3/4		3/4
8	2,362.19	8	1,975.19	8	1,588.19	8	1,201.20	8	814.64	8	427.66	8	44.70	8	8		8		8
1/4	2,354.12	1/4	1,967.12	1/4	1,580.12	1/4	1,193.15	1/4	806.58	1/4	419.60	1/4	38.66	1/4	1/4		1/4		1/4
1/2	2,346.06	1/2	1,959.06	1/2	1,572.06	1/2	1,185.09	1/2	798.52	1/2	411.53	1/2	32.61	1/2	1/2		1/2		1/2
3/4	2,338.00	3/4	1,951.00	3/4	1,564.00	3/4	1,177.03	3/4	790.46	3/4	403.47	3/4	26.56	3/4	3/4		3/4		3/4
9	2,329.94	9	1,942.94	9	1,555.94	9	1,168.98	9	782.40	9	395.41	9	22.54	9	9		9		9
1/4	2,321.87	1/4	1,934.87	1/4	1,547.87	1/4	1,160.93	1/4	774.33	1/4	387.35	1/4		1/4	1/4		1/4		1/4
1/2	2,313.81	1/2	1,926.81	1/2	1,539.81	1/2	1,152.87	1/2	766.27	1/2	379.29	1/2		1/2	1/2		1/2		1/2
3/4	2,305.75	3/4	1,918.75	3/4	1,531.75	3/4	1,144.82	3/4	758.21	3/4	371.22	3/4		3/4	3/4		3/4		3/4
10	2,297.69	10	1,910.69	10	1,523.69	10	1,136.77	10	750.15	10	363.16	10		10	10		10		10
1/4	2,289.62	1/4	1,902.62	1/4	1,515.62	1/4	1,128.72	1/4	742.08	1/4	355.10	1/4		1/4	1/4		1/4		1/4
1/2	2,281.56	1/2	1,894.56	1/2	1,507.56	1/2	1,120.67	1/2	734.02	1/2	347.04	1/2		1/2	1/2		1/2		1/2
3/4	2,273.50	3/4	1,886.50	3/4	1,499.50	3/4	1,112.62	3/4	725.96	3/4	338.97	3/4		3/4	3/4		3/4		3/4
11	2,265.44	11	1,878.44	11	1,491.44	11	1,104.57	11	717.90	11	330.91	11		11	11		11		11
1/4	2,257.37	1/4	1,870.37	1/4	1,483.37	1/4	1,096.52	1/4	709.84	1/4	322.85	1/4		1/4	1/4		1/4		1/4
1/2	2,249.31	1/2	1,862.31	1/2	1,475.31	1/2	1,088.47	1/2	701.77	1/2	314.79	1/2		1/2	1/2		1/2		1/2
3/4	2,241.25	3/4	1,854.25	3/4	1,467.25	3/4	1,080.42	3/4	693.71	3/4	306.73	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/28/2015 SW
RECALCULATED: 07/17/2023 CL
VERIFIED: 07/13/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "HTCO 3141"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,876.50	0	4,603.48	0	4,329.32	0	4,054.77	0	3,755.24	0	3,372.05	0	2,988.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,870.82	1/4	4,597.77	1/4	4,323.60	1/4	4,049.05	1/4	3,747.26	1/4	3,364.05	1/4	2,980.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,865.14	1/2	4,592.07	1/2	4,317.88	1/2	4,043.33	1/2	3,739.28	1/2	3,356.05	1/2	2,972.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,859.46	3/4	4,586.36	3/4	4,312.16	3/4	4,037.61	3/4	3,731.31	3/4	3,348.06	3/4	2,964.15
1		1		1		1	4,853.78	1	4,580.66	1	4,306.44	1	4,031.89	1	3,723.33	1	3,340.06	1	2,956.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,848.10	1/4	4,574.95	1/4	4,300.72	1/4	4,026.17	1/4	3,715.35	1/4	3,332.06	1/4	2,948.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,842.42	1/2	4,569.25	1/2	4,295.00	1/2	4,020.45	1/2	3,707.38	1/2	3,324.07	1/2	2,940.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,836.74	3/4	4,563.54	3/4	4,289.28	3/4	4,014.73	3/4	3,699.40	3/4	3,316.07	3/4	2,932.16
2		2		2		2	4,831.06	2	4,557.84	2	4,283.56	2	4,009.01	2	3,691.43	2	3,308.08	2	2,924.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,825.38	1/4	4,552.13	1/4	4,277.84	1/4	4,003.29	1/4	3,683.45	1/4	3,300.08	1/4	2,916.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,819.70	1/2	4,546.42	1/2	4,272.12	1/2	3,997.57	1/2	3,675.48	1/2	3,292.08	1/2	2,908.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,814.02	3/4	4,540.72	3/4	4,266.40	3/4	3,991.85	3/4	3,667.50	3/4	3,284.09	3/4	2,900.16
3		3		3		3	4,808.35	3	4,535.01	3	4,260.68	3	3,986.13	3	3,659.52	3	3,276.09	3	2,892.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,802.67	1/4	4,529.31	1/4	4,254.96	1/4	3,980.41	1/4	3,651.55	1/4	3,268.09	1/4	2,884.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,796.99	1/2	4,523.60	1/2	4,249.24	1/2	3,974.69	1/2	3,643.57	1/2	3,260.10	1/2	2,876.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,791.31	3/4	4,517.90	3/4	4,243.52	3/4	3,968.97	3/4	3,635.60	3/4	3,252.10	3/4	2,868.17
4		4		4		4	4,785.63	4	4,512.19	4	4,237.80	4	3,963.25	4	3,627.62	4	3,244.10	4	2,860.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,779.96	1/4	4,506.49	1/4	4,232.08	1/4	3,957.53	1/4	3,619.65	1/4	3,236.11	1/4	2,852.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,774.28	1/2	4,500.78	1/2	4,226.36	1/2	3,951.82	1/2	3,611.67	1/2	3,228.11	1/2	2,844.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,768.60	3/4	4,495.08	3/4	4,220.64	3/4	3,946.10	3/4	3,603.69	3/4	3,220.11	3/4	2,836.17
5		5		5		5	4,762.92	5	4,489.37	5	4,214.92	5	3,940.38	5	3,595.72	5	3,212.12	5	2,828.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,757.25	1/4	4,483.67	1/4	4,209.20	1/4	3,934.66	1/4	3,587.74	1/4	3,204.12	1/4	2,820.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,751.57	1/2	4,477.96	1/2	4,203.48	1/2	3,928.94	1/2	3,579.77	1/2	3,196.12	1/2	2,812.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,745.89	3/4	4,472.26	3/4	4,197.76	3/4	3,923.22	3/4	3,571.79	3/4	3,188.13	3/4	2,804.16
6		6		6		6	4,740.21	6	4,466.55	6	4,192.04	6	3,917.50	6	3,563.82	6	3,180.13	6	2,796.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,734.53	1/4	4,460.84	1/4	4,186.32	1/4	3,911.78	1/4	3,555.84	1/4	3,172.13	1/4	2,788.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,728.86	1/2	4,455.13	1/2	4,180.60	1/2	3,906.06	1/2	3,547.86	1/2	3,164.13	1/2	2,780.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,723.18	3/4	4,449.42	3/4	4,174.88	3/4	3,900.34	3/4	3,539.89	3/4	3,156.13	3/4	2,772.15
7		7	4,971.77	7	4,717.50	7	4,443.70	7	4,169.16	7	3,894.62	7	3,531.91	7	3,148.13	7	2,764.14		
1/4	1/4	1/4	4,969.53	1/4	4,711.82	1/4	4,437.99	1/4	4,163.44	1/4	3,888.90	1/4	3,523.94	1/4	3,140.13	1/4	2,756.13		
1/2	1/2	1/2	4,966.14	1/2	4,706.13	1/2	4,432.27	1/2	4,157.72	1/2	3,883.18	1/2	3,515.95	1/2	3,132.14	1/2	2,748.13		
3/4	3/4	3/4	4,962.75	3/4	4,700.44	3/4	4,426.55	3/4	4,152.00	3/4	3,877.46	3/4	3,507.97	3/4	3,124.14	3/4	2,740.12		
8		8	4,959.36	8	4,694.75	8	4,420.83	8	4,146.29	8	3,871.74	8	3,499.98	8	3,116.14	8	2,732.12		
1/4	1/4	1/4	4,955.97	1/4	4,689.06	1/4	4,415.11	1/4	4,140.57	1/4	3,866.02	1/4	3,491.99	1/4	3,108.14	1/4	2,724.11		
1/2	1/2	1/2	4,951.44	1/2	4,683.35	1/2	4,409.39	1/2	4,134.85	1/2	3,859.73	1/2	3,484.00	1/2	3,100.14	1/2	2,716.10		
3/4	3/4	3/4	4,946.91	3/4	4,677.65	3/4	4,403.67	3/4	4,129.13	3/4	3,853.43	3/4	3,476.00	3/4	3,092.14	3/4	2,708.10		
9		9	4,942.37	9	4,671.94	9	4,397.95	9	4,123.41	9	3,847.14	9	3,468.00	9	3,084.14	9	2,700.09		
1/4	1/4	1/4	4,937.84	1/4	4,666.24	1/4	4,392.23	1/4	4,117.69	1/4	3,840.84	1/4	3,460.01	1/4	3,076.14	1/4	2,692.08		
1/2	1/2	1/2	4,932.44	1/2	4,660.53	1/2	4,386.51	1/2	4,111.97	1/2	3,833.42	1/2	3,452.01	1/2	3,068.14	1/2	2,684.10		
3/4	3/4	3/4	4,927.05	3/4	4,654.83	3/4	4,380.79	3/4	4,106.25	3/4	3,825.99	3/4	3,444.01	3/4	3,060.14	3/4	2,676.11		
10		10	4,921.66	10	4,649.12	10	4,375.07	10	4,100.53	10	3,818.56	10	3,436.02	10	3,052.14	10	2,668.12		
1/4	1/4	1/4	4,916.26	1/4	4,643.41	1/4	4,369.35	1/4	4,094.81	1/4	3,811.13	1/4	3,428.02	1/4	3,044.15	1/4	2,660.13		
1/2	1/2	1/2	4,910.58	1/2	4,637.71	1/2	4,363.63	1/2	4,089.09	1/2	3,803.14	1/2	3,420.02	1/2	3,036.15	1/2	2,652.17		
3/4	3/4	3/4	4,904.90	3/4	4,632.00	3/4	4,357.91	3/4	4,083.37	3/4	3,795.16	3/4	3,412.03	3/4	3,028.15	3/4	2,644.20		
11		11	4,899.22	11	4,626.30	11	4,352.19	11	4,077.65	11	3,787.17	11	3,404.03	11	3,020.15	11	2,636.23		
1/4	1/4	1/4	4,893.54	1/4	4,620.59	1/4	4,346.47	1/4	4,071.93	1/4	3,779.18	1/4	3,396.04	1/4	3,012.15	1/4	2,628.26		
1/2	1/2	1/2	4,887.86	1/2	4,614.89	1/2	4,340.75	1/2	4,066.21	1/2	3,771.20	1/2	3,388.04	1/2	3,004.15	1/2	2,620.29		
3/4	3/4	3/4	4,882.18	3/4	4,609.18	3/4	4,335.04	3/4	4,060.49	3/4	3,763.22	3/4	3,380.04	3/4	2,996.15	3/4	2,612.33		

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 GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 45'-03" FORWARD OF AFT BULKHEAD.

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

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



BARGE "HTCO 3141"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,604.36	0	2,222.51	0	1,839.65	0	1,455.34	0	1,076.56	0	697.43	0	312.95	0		0		0	
1/4	2,596.39	1/4	2,214.56	1/4	1,831.64	1/4	1,447.33	1/4	1,068.78	1/4	689.42	1/4	304.94	1/4	1/4		1/4		1/4
1/2	2,588.42	1/2	2,206.62	1/2	1,823.64	1/2	1,439.32	1/2	1,061.00	1/2	681.40	1/2	296.93	1/2	1/2		1/2		1/2
3/4	2,580.45	3/4	2,198.68	3/4	1,815.63	3/4	1,431.32	3/4	1,053.23	3/4	673.39	3/4	288.92	3/4	3/4		3/4		3/4
1	2,572.49	1	2,190.73	1	1,807.62	1	1,423.31	1	1,045.45	1	665.38	1	280.91	1	1		1		1
1/4	2,564.52	1/4	2,182.79	1/4	1,799.62	1/4	1,415.30	1/4	1,037.67	1/4	657.37	1/4	272.90	1/4	1/4		1/4		1/4
1/2	2,556.55	1/2	2,174.85	1/2	1,791.61	1/2	1,407.30	1/2	1,029.90	1/2	649.36	1/2	264.89	1/2	1/2		1/2		1/2
3/4	2,548.58	3/4	2,166.90	3/4	1,783.60	3/4	1,399.29	3/4	1,022.12	3/4	641.35	3/4	256.88	3/4	3/4		3/4		3/4
2	2,540.62	2	2,158.96	2	1,775.60	2	1,391.28	2	1,014.34	2	633.34	2	248.87	2	2		2		2
1/4	2,532.65	1/4	2,151.02	1/4	1,767.59	1/4	1,383.28	1/4	1,006.57	1/4	625.33	1/4	240.86	1/4	1/4		1/4		1/4
1/2	2,524.68	1/2	2,143.07	1/2	1,759.58	1/2	1,375.27	1/2	998.79	1/2	617.32	1/2	232.85	1/2	1/2		1/2		1/2
3/4	2,516.71	3/4	2,135.13	3/4	1,751.58	3/4	1,367.26	3/4	991.01	3/4	609.31	3/4	224.84	3/4	3/4		3/4		3/4
3	2,508.74	3	2,127.18	3	1,743.57	3	1,359.26	3	983.24	3	601.30	3	216.83	3	3		3		3
1/4	2,500.78	1/4	2,119.24	1/4	1,735.56	1/4	1,351.25	1/4	975.46	1/4	593.29	1/4	208.82	1/4	1/4		1/4		1/4
1/2	2,492.81	1/2	2,111.30	1/2	1,727.56	1/2	1,343.25	1/2	967.68	1/2	585.28	1/2	200.81	1/2	1/2		1/2		1/2
3/4	2,484.84	3/4	2,103.35	3/4	1,719.55	3/4	1,335.24	3/4	959.91	3/4	577.27	3/4	192.80	3/4	3/4		3/4		3/4
4	2,476.87	4	2,095.41	4	1,711.54	4	1,327.23	4	952.13	4	569.26	4	184.79	4	4		4		4
1/4	2,468.90	1/4	2,087.47	1/4	1,703.54	1/4	1,319.23	1/4	944.35	1/4	561.25	1/4	176.78	1/4	1/4		1/4		1/4
1/2	2,460.94	1/2	2,079.52	1/2	1,695.53	1/2	1,311.22	1/2	936.58	1/2	553.24	1/2	168.76	1/2	1/2		1/2		1/2
3/4	2,452.97	3/4	2,071.58	3/4	1,687.52	3/4	1,303.21	3/4	928.80	3/4	545.22	3/4	160.75	3/4	3/4		3/4		3/4
5	2,445.00	5	2,063.64	5	1,679.52	5	1,295.21	5	921.02	5	537.21	5	152.74	5	5		5		5
1/4	2,437.03	1/4	2,055.69	1/4	1,671.51	1/4	1,287.20	1/4	913.25	1/4	529.20	1/4	144.73	1/4	1/4		1/4		1/4
1/2	2,429.08	1/2	2,047.72	1/2	1,663.51	1/2	1,279.30	1/2	905.35	1/2	521.19	1/2	136.71	1/2	1/2		1/2		1/2
3/4	2,421.12	3/4	2,039.75	3/4	1,655.50	3/4	1,271.40	3/4	897.46	3/4	513.18	3/4	128.70	3/4	3/4		3/4		3/4
6	2,413.16	6	2,031.77	6	1,647.49	6	1,263.50	6	889.56	6	505.17	6	120.68	6	6		6		6
1/4	2,405.21	1/4	2,023.80	1/4	1,639.49	1/4	1,255.59	1/4	881.67	1/4	497.16	1/4	112.67	1/4	1/4		1/4		1/4
1/2	2,397.26	1/2	2,015.79	1/2	1,631.48	1/2	1,247.80	1/2	873.66	1/2	489.15	1/2	104.65	1/2	1/2		1/2		1/2
3/4	2,389.32	3/4	2,007.78	3/4	1,623.47	3/4	1,240.00	3/4	865.65	3/4	481.14	3/4	96.63	3/4	3/4		3/4		3/4
7	2,381.38	7	1,999.78	7	1,615.47	7	1,232.21	7	857.64	7	473.14	7	88.61	7	7		7		7
1/4	2,373.43	1/4	1,991.77	1/4	1,607.46	1/4	1,224.41	1/4	849.63	1/4	465.13	1/4	80.59	1/4	1/4		1/4		1/4
1/2	2,365.49	1/2	1,983.77	1/2	1,599.45	1/2	1,216.62	1/2	841.62	1/2	457.12	1/2	73.07	1/2	1/2		1/2		1/2
3/4	2,357.55	3/4	1,975.76	3/4	1,591.45	3/4	1,208.83	3/4	833.61	3/4	449.11	3/4	65.55	3/4	3/4		3/4		3/4
8	2,349.60	8	1,967.75	8	1,583.44	8	1,201.04	8	825.60	8	441.10	8	58.03	8	8		8		8
1/4	2,341.66	1/4	1,959.75	1/4	1,575.43	1/4	1,193.25	1/4	817.58	1/4	433.09	1/4	50.51	1/4	1/4		1/4		1/4
1/2	2,333.72	1/2	1,951.74	1/2	1,567.43	1/2	1,185.47	1/2	809.57	1/2	425.08	1/2	44.49	1/2	1/2		1/2		1/2
3/4	2,325.77	3/4	1,943.73	3/4	1,559.42	3/4	1,177.68	3/4	801.56	3/4	417.07	3/4	38.47	3/4	3/4		3/4		3/4
9	2,317.83	9	1,935.73	9	1,551.41	9	1,169.90	9	793.55	9	409.06	9	32.46	9	9		9		9
1/4	2,309.89	1/4	1,927.72	1/4	1,543.41	1/4	1,162.11	1/4	785.54	1/4	401.05	1/4	26.44	1/4	1/4		1/4		1/4
1/2	2,301.94	1/2	1,919.71	1/2	1,535.40	1/2	1,154.33	1/2	777.53	1/2	393.04	1/2	22.43	1/2	1/2		1/2		1/2
3/4	2,294.00	3/4	1,911.71	3/4	1,527.39	3/4	1,146.55	3/4	769.52	3/4	385.03	3/4		3/4	3/4		3/4		3/4
10	2,286.05	10	1,903.70	10	1,519.39	10	1,138.77	10	761.51	10	377.02	10		10	10		10		10
1/4	2,278.11	1/4	1,895.69	1/4	1,511.38	1/4	1,130.99	1/4	753.50	1/4	369.01	1/4		1/4	1/4		1/4		1/4
1/2	2,270.17	1/2	1,887.69	1/2	1,503.38	1/2	1,123.22	1/2	745.49	1/2	361.01	1/2		1/2	1/2		1/2		1/2
3/4	2,262.22	3/4	1,879.68	3/4	1,495.37	3/4	1,115.44	3/4	737.48	3/4	353.00	3/4		3/4	3/4		3/4		3/4
11	2,254.28	11	1,871.67	11	1,487.36	11	1,107.66	11	729.47	11	344.99	11		11	11		11		11
1/4	2,246.34	1/4	1,863.67	1/4	1,479.36	1/4	1,099.89	1/4	721.46	1/4	336.98	1/4		1/4	1/4		1/4		1/4
1/2	2,238.39	1/2	1,855.66	1/2	1,471.35	1/2	1,092.11	1/2	713.45	1/2	328.97	1/2		1/2	1/2		1/2		1/2
3/4	2,230.45	3/4	1,847.65	3/4	1,463.34	3/4	1,084.33	3/4	705.44	3/4	320.96	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/28/2015 SW
RECALCULATED: 07/17/2023 CL
VERIFIED: 07/13/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HTCO 3141"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,893.58	0	4,620.44	0	4,346.18	0	4,071.55	0	3,769.60	0	3,385.53	0	3,000.76		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,887.90	1/4	4,614.74	1/4	4,340.46	1/4	4,065.83	1/4	3,761.61	1/4	3,377.51	1/4	2,992.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,882.21	1/2	4,609.03	1/2	4,334.74	1/2	4,060.11	1/2	3,753.61	1/2	3,369.50	1/2	2,984.73		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,876.53	3/4	4,603.32	3/4	4,329.02	3/4	4,054.38	3/4	3,745.62	3/4	3,361.48	3/4	2,976.71		
1		1		1		1	4,870.85	1	4,597.62	1	4,323.30	1	4,048.66	1	3,737.63	1	3,353.47	1	2,968.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,865.17	1/4	4,591.91	1/4	4,317.57	1/4	4,042.94	1/4	3,729.63	1/4	3,345.45	1/4	2,960.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,859.49	1/2	4,586.20	1/2	4,311.85	1/2	4,037.22	1/2	3,721.64	1/2	3,337.44	1/2	2,952.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,853.80	3/4	4,580.49	3/4	4,306.13	3/4	4,031.50	3/4	3,713.64	3/4	3,329.42	3/4	2,944.64		
2		2		2		2	4,848.12	2	4,574.79	2	4,300.41	2	4,025.78	2	3,705.65	2	3,321.41	2	2,936.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,842.44	1/4	4,569.08	1/4	4,294.69	1/4	4,020.06	1/4	3,697.66	1/4	3,313.40	1/4	2,928.61		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,836.76	1/2	4,563.37	1/2	4,288.97	1/2	4,014.33	1/2	3,689.66	1/2	3,305.38	1/2	2,920.59		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,831.08	3/4	4,557.67	3/4	4,283.24	3/4	4,008.61	3/4	3,681.67	3/4	3,297.37	3/4	2,912.57		
3		3		3		3	4,825.41	3	4,551.96	3	4,277.52	3	4,002.89	3	3,673.68	3	3,289.35	3	2,904.55		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,819.73	1/4	4,546.25	1/4	4,271.80	1/4	3,997.17	1/4	3,665.68	1/4	3,281.34	1/4	2,896.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,814.05	1/2	4,540.54	1/2	4,266.08	1/2	3,991.45	1/2	3,657.69	1/2	3,273.32	1/2	2,888.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,808.37	3/4	4,534.84	3/4	4,260.36	3/4	3,985.73	3/4	3,649.69	3/4	3,265.31	3/4	2,880.50		
4		4		4		4	4,802.69	4	4,529.13	4	4,254.64	4	3,980.01	4	3,641.70	4	3,257.29	4	2,872.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,797.01	1/4	4,523.42	1/4	4,248.92	1/4	3,974.28	1/4	3,633.71	1/4	3,249.28	1/4	2,864.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,791.33	1/2	4,517.72	1/2	4,243.19	1/2	3,968.56	1/2	3,625.71	1/2	3,241.26	1/2	2,856.45		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,785.65	3/4	4,512.01	3/4	4,237.47	3/4	3,962.84	3/4	3,617.72	3/4	3,233.25	3/4	2,848.43		
5		5		5		5	4,779.97	5	4,506.30	5	4,231.75	5	3,957.12	5	3,609.72	5	3,225.24	5	2,840.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,774.29	1/4	4,500.59	1/4	4,226.03	1/4	3,951.40	1/4	3,601.73	1/4	3,217.22	1/4	2,832.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,768.61	1/2	4,494.89	1/2	4,220.31	1/2	3,945.68	1/2	3,593.74	1/2	3,209.20	1/2	2,824.37		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,762.93	3/4	4,489.18	3/4	4,214.59	3/4	3,939.95	3/4	3,585.74	3/4	3,201.19	3/4	2,816.35		
6		6		6		6	4,757.25	6	4,483.47	6	4,208.87	6	3,934.23	6	3,577.75	6	3,193.17	6	2,808.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,751.57	1/4	4,477.76	1/4	4,203.14	1/4	3,928.51	1/4	3,569.76	1/4	3,185.16	1/4	2,800.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,745.89	1/2	4,472.04	1/2	4,197.42	1/2	3,922.79	1/2	3,561.76	1/2	3,177.14	1/2	2,792.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,994.57	3/4	4,740.21	3/4	4,466.33	3/4	4,191.70	3/4	3,917.07	3/4	3,553.77	3/4	3,169.12	3/4	2,784.26
7		7		7		7	4,992.33	7	4,734.53	7	4,460.61	7	4,185.98	7	3,911.35	7	3,545.77	7	3,161.11	7	2,776.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,988.94	1/4	4,728.84	1/4	4,454.89	1/4	4,180.26	1/4	3,905.63	1/4	3,537.77	1/4	3,153.09	1/4	2,768.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,985.55	1/2	4,723.14	1/2	4,449.17	1/2	4,174.54	1/2	3,899.90	1/2	3,529.77	1/2	3,145.07	1/2	2,760.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,982.16	3/4	4,717.45	3/4	4,443.45	3/4	4,168.81	3/4	3,894.18	3/4	3,521.76	3/4	3,137.05	3/4	2,752.16
8		8		8		8	4,978.77	8	4,711.76	8	4,437.73	8	4,163.09	8	3,888.46	8	3,513.76	8	3,129.04	8	2,744.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,974.23	1/4	4,706.05	1/4	4,432.00	1/4	4,157.37	1/4	3,882.17	1/4	3,505.74	1/4	3,121.02	1/4	2,736.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,969.69	1/2	4,700.34	1/2	4,426.28	1/2	4,151.65	1/2	3,875.87	1/2	3,497.73	1/2	3,113.00	1/2	2,728.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,965.16	3/4	4,694.64	3/4	4,420.56	3/4	4,145.93	3/4	3,869.57	3/4	3,489.71	3/4	3,104.98	3/4	2,720.06
9		9		9		9	4,960.62	9	4,688.93	9	4,414.84	9	4,140.21	9	3,863.28	9	3,481.70	9	3,096.97	9	2,712.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,955.23	1/4	4,683.22	1/4	4,409.12	1/4	4,134.49	1/4	3,855.85	1/4	3,473.69	1/4	3,088.95	1/4	2,704.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,949.83	1/2	4,677.51	1/2	4,403.40	1/2	4,128.76	1/2	3,848.41	1/2	3,465.67	1/2	3,080.93	1/2	2,695.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,944.43	3/4	4,671.81	3/4	4,397.67	3/4	4,123.04	3/4	3,840.98	3/4	3,457.66	3/4	3,072.92	3/4	2,687.96
10		10		10		10	4,939.04	10	4,666.10	10	4,391.95	10	4,117.32	10	3,833.55	10	3,449.64	10	3,064.90	10	2,679.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,933.35	1/4	4,660.39	1/4	4,386.23	1/4	4,111.60	1/4	3,825.56	1/4	3,441.63	1/4	3,056.88	1/4	2,671.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,927.67	1/2	4,654.69	1/2	4,380.51	1/2	4,105.88	1/2	3,817.56	1/2	3,433.61	1/2	3,048.86	1/2	2,663.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,921.99	3/4	4,648.98	3/4	4,374.79	3/4	4,100.16	3/4	3,809.57	3/4	3,425.60	3/4	3,040.85	3/4	2,655.87
11		11		11		11	4,916.31	11	4,643.27	11	4,369.07	11	4,094.44	11	3,801.58	11	3,417.58	11	3,032.83	11	2,647.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,910.62	1/4	4,637.57	1/4	4,363.35	1/4	4,088.71	1/4	3,793.58	1/4	3,409.57	1/4	3,024.81	1/4	2,639.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,904.94	1/2	4,631.86	1/2	4,357.62	1/2	4,082.99	1/2	3,785.59	1/2	3,401.55	1/2	3,016.80	1/2	2,631.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,899.26	3/4	4,626.15	3/4	4,351.90	3/4	4,077.27	3/4	3,777.59	3/4	3,393.54	3/4	3,008.78	3/4	2,623.77

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 GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 45'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "HTCO 3141"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 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	2,615.74	0	2,230.57	0	1,845.40	0	1,460.23	0	1,075.28	0	690.44	0	305.28	0		0		0	
1/4	2,607.72	1/4	2,222.55	1/4	1,837.38	1/4	1,452.21	1/4	1,067.27	1/4	682.42	1/4	297.26	1/4	1/4		1/4		1/4
1/2	2,599.69	1/2	2,214.52	1/2	1,829.35	1/2	1,444.18	1/2	1,059.26	1/2	674.40	1/2	289.23	1/2	1/2		1/2		1/2
3/4	2,591.67	3/4	2,206.50	3/4	1,821.33	3/4	1,436.16	3/4	1,051.25	3/4	666.37	3/4	281.21	3/4	3/4		3/4		3/4
1	2,583.65	1	2,198.47	1	1,813.30	1	1,428.13	1	1,043.24	1	658.35	1	273.19	1	1		1		1
1/4	2,575.62	1/4	2,190.45	1/4	1,805.28	1/4	1,420.11	1/4	1,035.23	1/4	650.32	1/4	265.16	1/4	1/4		1/4		1/4
1/2	2,567.60	1/2	2,182.43	1/2	1,797.25	1/2	1,412.08	1/2	1,027.22	1/2	642.30	1/2	257.14	1/2	1/2		1/2		1/2
3/4	2,559.57	3/4	2,174.40	3/4	1,789.23	3/4	1,404.06	3/4	1,019.21	3/4	634.27	3/4	249.11	3/4	3/4		3/4		3/4
2	2,551.55	2	2,166.38	2	1,781.21	2	1,396.03	2	1,011.20	2	626.25	2	241.09	2	2		2		2
1/4	2,543.52	1/4	2,158.35	1/4	1,773.18	1/4	1,388.01	1/4	1,003.19	1/4	618.23	1/4	233.06	1/4	1/4		1/4		1/4
1/2	2,535.50	1/2	2,150.33	1/2	1,765.16	1/2	1,379.99	1/2	995.18	1/2	610.20	1/2	225.04	1/2	1/2		1/2		1/2
3/4	2,527.47	3/4	2,142.30	3/4	1,757.13	3/4	1,371.96	3/4	987.17	3/4	602.18	3/4	217.02	3/4	3/4		3/4		3/4
3	2,519.45	3	2,134.28	3	1,749.11	3	1,363.94	3	979.16	3	594.15	3	208.99	3	3		3		3
1/4	2,511.43	1/4	2,126.25	1/4	1,741.08	1/4	1,355.91	1/4	971.16	1/4	586.13	1/4	200.97	1/4	1/4		1/4		1/4
1/2	2,503.40	1/2	2,118.23	1/2	1,733.06	1/2	1,347.89	1/2	963.15	1/2	578.11	1/2	192.94	1/2	1/2		1/2		1/2
3/4	2,495.38	3/4	2,110.21	3/4	1,725.03	3/4	1,339.86	3/4	955.14	3/4	570.08	3/4	184.92	3/4	3/4		3/4		3/4
4	2,487.35	4	2,102.18	4	1,717.01	4	1,331.84	4	947.13	4	562.06	4	176.90	4	4		4		4
1/4	2,479.33	1/4	2,094.16	1/4	1,708.99	1/4	1,323.81	1/4	939.12	1/4	554.03	1/4	168.87	1/4	1/4		1/4		1/4
1/2	2,471.30	1/2	2,086.13	1/2	1,700.96	1/2	1,315.79	1/2	931.11	1/2	546.01	1/2	160.85	1/2	1/2		1/2		1/2
3/4	2,463.28	3/4	2,078.11	3/4	1,692.94	3/4	1,307.77	3/4	923.10	3/4	537.98	3/4	152.82	3/4	3/4		3/4		3/4
5	2,455.26	5	2,070.08	5	1,684.91	5	1,299.74	5	915.09	5	529.96	5	144.80	5	5		5		5
1/4	2,447.23	1/4	2,062.06	1/4	1,676.89	1/4	1,291.72	1/4	907.07	1/4	521.94	1/4	136.77	1/4	1/4		1/4		1/4
1/2	2,439.21	1/2	2,054.04	1/2	1,668.86	1/2	1,283.69	1/2	899.06	1/2	513.91	1/2	128.75	1/2	1/2		1/2		1/2
3/4	2,431.18	3/4	2,046.01	3/4	1,660.84	3/4	1,275.67	3/4	891.04	3/4	505.89	3/4	120.73	3/4	3/4		3/4		3/4
6	2,423.16	6	2,037.99	6	1,652.82	6	1,267.64	6	883.02	6	497.86	6	112.70	6	6		6		6
1/4	2,415.13	1/4	2,029.96	1/4	1,644.79	1/4	1,259.62	1/4	875.00	1/4	489.84	1/4	104.68	1/4	1/4		1/4		1/4
1/2	2,407.11	1/2	2,021.94	1/2	1,636.77	1/2	1,251.60	1/2	866.98	1/2	481.81	1/2	96.65	1/2	1/2		1/2		1/2
3/4	2,399.08	3/4	2,013.91	3/4	1,628.74	3/4	1,243.57	3/4	858.95	3/4	473.79	3/4	88.63	3/4	3/4		3/4		3/4
7	2,391.06	7	2,005.89	7	1,620.72	7	1,235.55	7	850.93	7	465.77	7	80.60	7	7		7		7
1/4	2,383.04	1/4	1,997.86	1/4	1,612.69	1/4	1,227.53	1/4	842.90	1/4	457.74	1/4	73.08	1/4	1/4		1/4		1/4
1/2	2,375.01	1/2	1,989.84	1/2	1,604.67	1/2	1,219.51	1/2	834.88	1/2	449.72	1/2	65.56	1/2	1/2		1/2		1/2
3/4	2,366.99	3/4	1,981.82	3/4	1,596.64	3/4	1,211.49	3/4	826.86	3/4	441.69	3/4	58.04	3/4	3/4		3/4		3/4
8	2,358.96	8	1,973.79	8	1,588.62	8	1,203.46	8	818.83	8	433.67	8	50.51	8	8		8		8
1/4	2,350.94	1/4	1,965.77	1/4	1,580.60	1/4	1,195.45	1/4	810.81	1/4	425.65	1/4	44.50	1/4	1/4		1/4		1/4
1/2	2,342.91	1/2	1,957.74	1/2	1,572.57	1/2	1,187.43	1/2	802.78	1/2	417.62	1/2	38.48	1/2	1/2		1/2		1/2
3/4	2,334.89	3/4	1,949.72	3/4	1,564.55	3/4	1,179.42	3/4	794.76	3/4	409.60	3/4	32.46	3/4	3/4		3/4		3/4
9	2,326.86	9	1,941.69	9	1,556.52	9	1,171.40	9	786.73	9	401.57	9	26.44	9	9		9		9
1/4	2,318.84	1/4	1,933.67	1/4	1,548.50	1/4	1,163.39	1/4	778.71	1/4	393.55	1/4	22.43	1/4	1/4		1/4		1/4
1/2	2,310.82	1/2	1,925.64	1/2	1,540.47	1/2	1,155.37	1/2	770.69	1/2	385.52	1/2		1/2	1/2		1/2		1/2
3/4	2,302.79	3/4	1,917.62	3/4	1,532.45	3/4	1,147.36	3/4	762.66	3/4	377.50	3/4		3/4	3/4		3/4		3/4
10	2,294.77	10	1,909.60	10	1,524.42	10	1,139.35	10	754.64	10	369.48	10		10	10		10		10
1/4	2,286.74	1/4	1,901.57	1/4	1,516.40	1/4	1,131.34	1/4	746.61	1/4	361.45	1/4		1/4	1/4		1/4		1/4
1/2	2,278.72	1/2	1,893.55	1/2	1,508.38	1/2	1,123.33	1/2	738.59	1/2	353.43	1/2		1/2	1/2		1/2		1/2
3/4	2,270.69	3/4	1,885.52	3/4	1,500.35	3/4	1,115.32	3/4	730.56	3/4	345.40	3/4		3/4	3/4		3/4		3/4
11	2,262.67	11	1,877.50	11	1,492.33	11	1,107.31	11	722.54	11	337.38	11		11	11		11		11
1/4	2,254.65	1/4	1,869.47	1/4	1,484.30	1/4	1,099.30	1/4	714.52	1/4	329.35	1/4		1/4	1/4		1/4		1/4
1/2	2,246.62	1/2	1,861.45	1/2	1,476.28	1/2	1,091.29	1/2	706.49	1/2	321.33	1/2		1/2	1/2		1/2		1/2
3/4	2,238.60	3/4	1,853.43	3/4	1,468.25	3/4	1,083.28	3/4	698.47	3/4	313.31	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/28/2015 SW
RECALCULATED: 07/17/2023 CL
VERIFIED: 07/13/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HTCO 3141"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 3'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	120	0	298	0	456	0		0		0		0		0		0	
1/4	1	1/4	123	1/4	302	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2	1/2	127	1/2	305	1/2	461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3	3/4	130	3/4	309	3/4	463	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	134	1	313	1	466	1		1		1		1		1		1	
1/4	5	1/4	137	1/4	316	1/4	468	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	6	1/2	141	1/2	320	1/2	470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	8	3/4	144	3/4	324	3/4	472	3/4		3/4		3/4		3/4		3/4		3/4	
2	9	2	148	2	327	2	475	2		2		2		2		2		2	
1/4	11	1/4	152	1/4	331	1/4	477	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	13	1/2	155	1/2	335	1/2	478	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	15	3/4	159	3/4	338	3/4	480	3/4		3/4		3/4		3/4		3/4		3/4	
3	16	3	162	3	342	3	482	3		3		3		3		3		3	
1/4	19	1/4	166	1/4	346	1/4	484	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	170	1/2	349	1/2	485	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	23	3/4	173	3/4	353	3/4	487	3/4		3/4		3/4		3/4		3/4		3/4	
4	25	4	177	4	356	4	488	4		4		4		4		4		4	
1/4	27	1/4	181	1/4	360	1/4	489	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	30	1/2	185	1/2	363	1/2	490	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	32	3/4	188	3/4	367	3/4	491	3/4		3/4		3/4		3/4		3/4		3/4	
5	35	5	192	5	370	5	492	5		5		5		5		5		5	
1/4	37	1/4	196	1/4	374	1/4	493	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40	1/2	200	1/2	377	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	42	3/4	203	3/4	381	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	45	6	207	6	384	6		6		6		6		6		6		6	
1/4	48	1/4	211	1/4	387	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	215	1/2	391	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	218	3/4	394	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	56	7	222	7	397	7		7		7		7		7		7		7	
1/4	59	1/4	226	1/4	401	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	230	1/2	404	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	234	3/4	407	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	68	8	237	8	410	8		8		8		8		8		8		8	
1/4	71	1/4	241	1/4	413	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	74	1/2	245	1/2	416	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	77	3/4	249	3/4	420	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	80	9	252	9	423	9		9		9		9		9		9		9	
1/4	83	1/4	256	1/4	426	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	87	1/2	260	1/2	429	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	90	3/4	264	3/4	432	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	93	10	268	10	434	10		10		10		10		10		10		10	
1/4	96	1/4	271	1/4	437	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	100	1/2	275	1/2	440	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	279	3/4	443	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	106	11	283	11	446	11		11		11		11		11		11		11	
1/4	110	1/4	287	1/4	448	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113	1/2	290	1/2	451	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116	3/4	294	3/4	454	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" STANDPIPE.

STRAPPED: 05/28/2015 SW
CALCULATED: 05/28/2015 CL
VERIFIED: 07/13/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "HTCO 3141"

AFT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	449	0	898	0	1,347	0	1,795	0		0							
1/4	9	1/4	458	1/4	907	1/4	1,356	1/4	1,805	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	468	1/2	917	1/2	1,365	1/2	1,814	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	477	3/4	926	3/4	1,375	3/4	1,824	3/4		3/4		3/4		3/4		3/4	
1	37	1	486	1	935	1	1,384	1	1,833	1		1		1		1		1	
1/4	47	1/4	496	1/4	945	1/4	1,393	1/4	1,842	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	505	1/2	954	1/2	1,403	1/2	1,852	1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	514	3/4	963	3/4	1,412	3/4	1,861	3/4		3/4		3/4		3/4		3/4	
2	75	2	524	2	973	2	1,421	2	1,870	2		2		2		2		2	
1/4	84	1/4	533	1/4	982	1/4	1,431	1/4	1,880	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	542	1/2	991	1/2	1,440	1/2	1,889	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	552	3/4	1,001	3/4	1,450	3/4	1,898	3/4		3/4		3/4		3/4		3/4	
3	112	3	561	3	1,010	3	1,459	3	1,908	3		3		3		3		3	
1/4	122	1/4	571	1/4	1,019	1/4	1,468	1/4	1,917	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	580	1/2	1,029	1/2	1,478	1/2	1,926	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	589	3/4	1,038	3/4	1,487	3/4	1,936	3/4		3/4		3/4		3/4		3/4	
4	150	4	599	4	1,047	4	1,496	4	1,945	4		4		4		4		4	
1/4	159	1/4	608	1/4	1,057	1/4	1,506	1/4	1,954	1/4		1/4		1/4		1/4		1/4	
1/2	168	1/2	617	1/2	1,066	1/2	1,515	1/2	1,964	1/2		1/2		1/2		1/2		1/2	
3/4	178	3/4	627	3/4	1,075	3/4	1,524	3/4	1,973	3/4		3/4		3/4		3/4		3/4	
5	187	5	636	5	1,085	5	1,534	5	1,982	5		5		5		5		5	
1/4	197	1/4	645	1/4	1,094	1/4	1,543	1/4	1,992	1/4		1/4		1/4		1/4		1/4	
1/2	206	1/2	655	1/2	1,104	1/2	1,552	1/2	2,001	1/2		1/2		1/2		1/2		1/2	
3/4	215	3/4	664	3/4	1,113	3/4	1,562	3/4	2,011	3/4		3/4		3/4		3/4		3/4	
6	225	6	673	6	1,122	6	1,571	6	2,020	6		6		6		6		6	
1/4	234	1/4	683	1/4	1,132	1/4	1,580	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	243	1/2	692	1/2	1,141	1/2	1,590	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	253	3/4	701	3/4	1,150	3/4	1,599	3/4		3/4		3/4		3/4		3/4		3/4	
7	262	7	711	7	1,160	7	1,608	7		7		7		7		7		7	
1/4	271	1/4	720	1/4	1,169	1/4	1,618	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	730	1/2	1,178	1/2	1,627	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	739	3/4	1,188	3/4	1,637	3/4		3/4		3/4		3/4		3/4		3/4	
8	299	8	748	8	1,197	8	1,646	8		8		8		8		8		8	
1/4	309	1/4	758	1/4	1,206	1/4	1,655	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	318	1/2	767	1/2	1,216	1/2	1,665	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	327	3/4	776	3/4	1,225	3/4	1,674	3/4		3/4		3/4		3/4		3/4		3/4	
9	337	9	786	9	1,234	9	1,683	9		9		9		9		9		9	
1/4	346	1/4	795	1/4	1,244	1/4	1,693	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	355	1/2	804	1/2	1,253	1/2	1,702	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	365	3/4	814	3/4	1,262	3/4	1,711	3/4		3/4		3/4		3/4		3/4		3/4	
10	374	10	823	10	1,272	10	1,721	10		10		10		10		10		10	
1/4	384	1/4	832	1/4	1,281	1/4	1,730	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	842	1/2	1,291	1/2	1,739	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	402	3/4	851	3/4	1,300	3/4	1,749	3/4		3/4		3/4		3/4		3/4		3/4	
11	412	11	860	11	1,309	11	1,758	11		11		11		11		11		11	
1/4	421	1/4	870	1/4	1,319	1/4	1,767	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	430	1/2	879	1/2	1,328	1/2	1,777	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	888	3/4	1,337	3/4	1,786	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 05/28/2015 SW
CALCULATED: 05/28/2015 CL
VERIFIED: 07/13/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3141"

FWD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	449	0	898	0	1,347	0	1,795	0		0		0		0		0	
1/4	9	1/4	458	1/4	907	1/4	1,356	1/4	1,805	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	468	1/2	917	1/2	1,365	1/2	1,814	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	477	3/4	926	3/4	1,375	3/4	1,824	3/4		3/4		3/4		3/4		3/4	
1	37	1	486	1	935	1	1,384	1	1,833	1		1		1		1		1	
1/4	47	1/4	496	1/4	945	1/4	1,393	1/4	1,842	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	505	1/2	954	1/2	1,403	1/2	1,852	1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	514	3/4	963	3/4	1,412	3/4	1,861	3/4		3/4		3/4		3/4		3/4	
2	75	2	524	2	973	2	1,421	2	1,870	2		2		2		2		2	
1/4	84	1/4	533	1/4	982	1/4	1,431	1/4	1,880	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	542	1/2	991	1/2	1,440	1/2	1,889	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	552	3/4	1,001	3/4	1,450	3/4	1,898	3/4		3/4		3/4		3/4		3/4	
3	112	3	561	3	1,010	3	1,459	3	1,908	3		3		3		3		3	
1/4	122	1/4	571	1/4	1,019	1/4	1,468	1/4	1,917	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	580	1/2	1,029	1/2	1,478	1/2	1,926	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	589	3/4	1,038	3/4	1,487	3/4	1,936	3/4		3/4		3/4		3/4		3/4	
4	150	4	599	4	1,047	4	1,496	4	1,945	4		4		4		4		4	
1/4	159	1/4	608	1/4	1,057	1/4	1,506	1/4	1,954	1/4		1/4		1/4		1/4		1/4	
1/2	168	1/2	617	1/2	1,066	1/2	1,515	1/2	1,964	1/2		1/2		1/2		1/2		1/2	
3/4	178	3/4	627	3/4	1,075	3/4	1,524	3/4	1,973	3/4		3/4		3/4		3/4		3/4	
5	187	5	636	5	1,085	5	1,534	5	1,982	5		5		5		5		5	
1/4	197	1/4	645	1/4	1,094	1/4	1,543	1/4	1,992	1/4		1/4		1/4		1/4		1/4	
1/2	206	1/2	655	1/2	1,104	1/2	1,552	1/2	2,001	1/2		1/2		1/2		1/2		1/2	
3/4	215	3/4	664	3/4	1,113	3/4	1,562	3/4	2,011	3/4		3/4		3/4		3/4		3/4	
6	225	6	673	6	1,122	6	1,571	6	2,020	6		6		6		6		6	
1/4	234	1/4	683	1/4	1,132	1/4	1,580	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	243	1/2	692	1/2	1,141	1/2	1,590	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	253	3/4	701	3/4	1,150	3/4	1,599	3/4		3/4		3/4		3/4		3/4		3/4	
7	262	7	711	7	1,160	7	1,608	7		7		7		7		7		7	
1/4	271	1/4	720	1/4	1,169	1/4	1,618	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	730	1/2	1,178	1/2	1,627	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	739	3/4	1,188	3/4	1,637	3/4		3/4		3/4		3/4		3/4		3/4	
8	299	8	748	8	1,197	8	1,646	8		8		8		8		8		8	
1/4	309	1/4	758	1/4	1,206	1/4	1,655	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	318	1/2	767	1/2	1,216	1/2	1,665	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	327	3/4	776	3/4	1,225	3/4	1,674	3/4		3/4		3/4		3/4		3/4		3/4	
9	337	9	786	9	1,234	9	1,683	9		9		9		9		9		9	
1/4	346	1/4	795	1/4	1,244	1/4	1,693	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	355	1/2	804	1/2	1,253	1/2	1,702	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	365	3/4	814	3/4	1,262	3/4	1,711	3/4		3/4		3/4		3/4		3/4		3/4	
10	374	10	823	10	1,272	10	1,721	10		10		10		10		10		10	
1/4	384	1/4	832	1/4	1,281	1/4	1,730	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	842	1/2	1,291	1/2	1,739	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	402	3/4	851	3/4	1,300	3/4	1,749	3/4		3/4		3/4		3/4		3/4		3/4	
11	412	11	860	11	1,309	11	1,758	11		11		11		11		11		11	
1/4	421	1/4	870	1/4	1,319	1/4	1,767	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	430	1/2	879	1/2	1,328	1/2	1,777	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	888	3/4	1,337	3/4	1,786	3/4		3/4		3/4		3/4		3/4		3/4	

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