



BARGE "HFL 200S"

INNAGE TRIM TABLE

	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 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
2 CENTER	- 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
3 CENTER	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8

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

LENGTH BETWEEN DRAFT MARKS: 162'-06"

December 11, 2018

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HFL 200S"

1 CENTER INNAGE TABLE

GAUGE HEIGHT 15'-10 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	7.24	0	255.93	0	529.58	0	797.43	0	1,067.87	0	1,340.70	0	1,613.52	0	1,886.34	0	2,158.98	0	2,431.85
1/4	9.14	1/4	261.63	1/4	535.27	1/4	802.93	1/4	1,073.56	1/4	1,346.38	1/4	1,619.20	1/4	1,892.02	1/4	2,164.66	1/4	2,437.53
1/2	11.04	1/2	267.33	1/2	540.97	1/2	808.44	1/2	1,079.24	1/2	1,352.06	1/2	1,624.89	1/2	1,897.71	1/2	2,170.34	1/2	2,443.22
3/4	12.94	3/4	273.03	3/4	546.66	3/4	813.94	3/4	1,084.93	3/4	1,357.75	3/4	1,630.57	3/4	1,903.39	3/4	2,176.01	3/4	2,448.91
1	14.84	1	278.73	1	552.36	1	819.44	1	1,090.61	1	1,363.43	1	1,636.25	1	1,909.06	1	2,181.69	1	2,454.60
1 1/4	16.64	1 1/4	284.43	1 1/4	558.04	1 1/4	824.95	1 1/4	1,096.29	1 1/4	1,369.12	1 1/4	1,641.94	1 1/4	1,914.76	1 1/4	2,187.38	1 1/4	2,460.28
1 1/2	18.44	1 1/2	290.14	1 1/2	563.73	1 1/2	830.45	1 1/2	1,101.98	1 1/2	1,374.80	1 1/2	1,647.62	1 1/2	1,920.44	1 1/2	2,193.06	1 1/2	2,465.97
3/4	20.24	3/4	295.84	3/4	569.42	3/4	835.96	3/4	1,107.66	3/4	1,380.48	3/4	1,653.31	3/4	1,926.13	3/4	2,198.74	3/4	2,471.66
2	30.04	2	301.54	2	575.11	2	841.46	2	1,113.34	2	1,386.17	2	1,659.09	2	1,931.81	2	2,204.43	2	2,477.35
1 3/4	31.84	1 3/4	307.24	1 3/4	580.80	1 3/4	846.96	1 3/4	1,119.03	1 3/4	1,391.85	1 3/4	1,664.67	1 3/4	1,937.50	1 3/4	2,210.11	1 3/4	2,483.03
1 1/2	33.64	1 1/2	312.94	1 1/2	586.49	1 1/2	852.60	1 1/2	1,124.71	1 1/2	1,397.53	1 1/2	1,670.36	1 1/2	1,943.18	1 1/2	2,215.80	1 1/2	2,488.72
3/4	35.44	3/4	318.64	3/4	592.18	3/4	858.12	3/4	1,130.40	3/4	1,403.22	3/4	1,676.04	3/4	1,948.86	3/4	2,221.49	3/4	2,494.41
3	50.84	3	324.34	3	597.87	3	863.65	3	1,136.08	3	1,408.90	3	1,681.72	3	1,954.55	3	2,227.17	3	2,500.10
1 1/4	52.64	1 1/4	330.05	1 1/4	603.55	1 1/4	869.16	1 1/4	1,141.76	1 1/4	1,414.59	1 1/4	1,687.41	1 1/4	1,960.23	1 1/4	2,232.86	1 1/4	2,505.78
1 1/2	54.44	1 1/2	335.75	1 1/2	609.23	1 1/2	874.77	1 1/2	1,147.45	1 1/2	1,420.27	1 1/2	1,693.09	1 1/2	1,965.91	1 1/2	2,238.54	1 1/2	2,511.47
3/4	56.24	3/4	341.45	3/4	614.91	3/4	880.38	3/4	1,153.13	3/4	1,425.95	3/4	1,698.78	3/4	1,971.68	3/4	2,244.22	3/4	2,517.16
4	73.52	4	347.15	4	620.59	4	885.99	4	1,158.81	4	1,431.64	4	1,704.46	4	1,977.26	4	2,249.91	4	2,522.85
1 1/4	75.32	1 1/4	352.85	1 1/4	626.26	1 1/4	891.68	1 1/4	1,164.60	1 1/4	1,437.32	1 1/4	1,710.14	1 1/4	1,982.94	1 1/4	2,255.59	1 1/4	2,528.53
1 1/2	77.12	1 1/2	358.55	1 1/2	631.94	1 1/2	897.36	1 1/2	1,170.18	1 1/2	1,443.00	1 1/2	1,715.83	1 1/2	1,988.62	1 1/2	2,261.28	1 1/2	2,534.22
3/4	78.92	3/4	364.25	3/4	637.61	3/4	903.04	3/4	1,175.87	3/4	1,448.68	3/4	1,721.51	3/4	1,994.30	3/4	2,266.96	3/4	2,539.91
5	96.20	5	369.96	5	643.28	5	908.73	5	1,181.55	5	1,454.37	5	1,727.19	5	1,999.98	5	2,272.64	5	2,545.60
1 1/4	98.00	1 1/4	375.66	1 1/4	648.98	1 1/4	914.41	1 1/4	1,187.23	1 1/4	1,460.06	1 1/4	1,732.88	1 1/4	2,005.66	1 1/4	2,278.33	1 1/4	2,551.28
1 1/2	99.80	1 1/2	381.36	1 1/2	654.67	1 1/2	920.10	1 1/2	1,192.92	1 1/2	1,465.74	1 1/2	1,738.56	1 1/2	2,011.34	1 1/2	2,284.01	1 1/2	2,556.97
3/4	101.60	3/4	387.06	3/4	660.37	3/4	925.78	3/4	1,198.60	3/4	1,471.42	3/4	1,744.25	3/4	2,017.01	3/4	2,289.70	3/4	2,562.66
6	118.88	6	392.76	6	666.07	6	931.46	6	1,204.29	6	1,477.11	6	1,749.93	6	2,022.69	6	2,295.38	6	2,568.35
1 1/4	120.68	1 1/4	398.46	1 1/4	671.77	1 1/4	937.15	1 1/4	1,209.97	1 1/4	1,482.79	1 1/4	1,755.61	1 1/4	2,028.37	1 1/4	2,301.06	1 1/4	2,574.03
1 1/2	122.48	1 1/2	404.16	1 1/2	677.46	1 1/2	942.83	1 1/2	1,215.66	1 1/2	1,488.48	1 1/2	1,761.30	1 1/2	2,034.05	1 1/2	2,306.75	1 1/2	2,579.72
3/4	124.28	3/4	409.86	3/4	683.16	3/4	948.51	3/4	1,221.34	3/4	1,494.16	3/4	1,766.98	3/4	2,039.73	3/4	2,312.43	3/4	2,585.41
7	141.56	7	415.57	7	688.88	7	954.20	7	1,227.02	7	1,499.84	7	1,772.67	7	2,045.41	7	2,318.12	7	2,591.10
1 1/4	143.36	1 1/4	421.27	1 1/4	694.57	1 1/4	959.88	1 1/4	1,232.70	1 1/4	1,505.53	1 1/4	1,778.35	1 1/4	2,051.09	1 1/4	2,323.80	1 1/4	2,596.78
1 1/2	145.16	1 1/2	426.97	1 1/2	699.66	1 1/2	965.57	1 1/2	1,238.39	1 1/2	1,511.21	1 1/2	1,784.03	1 1/2	2,056.76	1 1/2	2,329.48	1 1/2	2,602.47
3/4	146.96	3/4	432.67	3/4	704.14	3/4	971.25	3/4	1,244.07	3/4	1,516.89	3/4	1,789.72	3/4	2,062.44	3/4	2,335.17	3/4	2,608.16
8	164.24	8	438.37	8	709.63	8	976.93	8	1,249.76	8	1,522.58	8	1,795.40	8	2,068.12	8	2,340.85	8	2,613.85
1 1/4	166.04	1 1/4	444.07	1 1/4	715.11	1 1/4	982.62	1 1/4	1,255.44	1 1/4	1,528.26	1 1/4	1,801.08	1 1/4	2,073.80	1 1/4	2,346.54	1 1/4	2,619.53
1 1/2	167.84	1 1/2	449.77	1 1/2	720.60	1 1/2	988.30	1 1/2	1,261.12	1 1/2	1,533.95	1 1/2	1,806.77	1 1/2	2,079.48	1 1/2	2,352.22	1 1/2	2,625.22
3/4	169.64	3/4	455.48	3/4	726.08	3/4	993.98	3/4	1,266.81	3/4	1,539.63	3/4	1,812.45	3/4	2,085.16	3/4	2,357.91	3/4	2,630.91
9	186.92	9	461.18	9	731.57	9	999.67	9	1,272.49	9	1,545.31	9	1,818.14	9	2,090.84	9	2,363.60	9	2,636.60
1 1/4	188.72	1 1/4	466.88	1 1/4	737.05	1 1/4	1,005.35	1 1/4	1,278.17	1 1/4	1,551.00	1 1/4	1,823.82	1 1/4	2,096.51	1 1/4	2,369.28	1 1/4	2,642.28
1 1/2	190.52	1 1/2	472.58	1 1/2	742.54	1 1/2	1,011.04	1 1/2	1,283.86	1 1/2	1,556.68	1 1/2	1,829.50	1 1/2	2,102.19	1 1/2	2,374.97	1 1/2	2,647.97
3/4	192.32	3/4	478.28	3/4	748.03	3/4	1,016.72	3/4	1,289.54	3/4	1,562.36	3/4	1,835.19	3/4	2,107.87	3/4	2,380.66	3/4	2,653.66
10	210.00	10	483.98	10	753.51	10	1,022.40	10	1,295.23	10	1,568.05	10	1,840.87	10	2,113.55	10	2,386.35	10	2,659.35
1 1/4	211.80	1 1/4	489.68	1 1/4	759.00	1 1/4	1,028.09	1 1/4	1,300.91	1 1/4	1,573.73	1 1/4	1,846.55	1 1/4	2,119.23	1 1/4	2,392.03	1 1/4	2,665.03
1 1/2	213.60	1 1/2	495.39	1 1/2	764.48	1 1/2	1,033.77	1 1/2	1,306.59	1 1/2	1,579.42	1 1/2	1,852.24	1 1/2	2,124.91	1 1/2	2,397.72	1 1/2	2,670.72
3/4	215.40	3/4	501.09	3/4	769.97	3/4	1,039.45	3/4	1,312.28	3/4	1,585.10	3/4	1,857.92	3/4	2,130.59	3/4	2,403.41	3/4	2,676.41
11	232.68	11	506.79	11	775.45	11	1,045.14	11	1,317.96	11	1,590.78	11	1,863.61	11	2,136.26	11	2,409.10	11	2,682.10
1 1/4	234.48	1 1/4	512.49	1 1/4	780.95	1 1/4	1,050.82	1 1/4	1,323.64	1 1/4	1,596.47	1 1/4	1,869.29	1 1/4	2,141.94	1 1/4	2,414.78	1 1/4	2,687.78
1 1/2	236.28	1 1/2	518.18	1 1/2	786.44	1 1/2	1,056.51	1 1/2	1,329.33	1 1/2	1,602.15	1 1/2	1,874.97	1 1/2	2,147.62	1 1/2	2,420.47	1 1/2	2,693.47
3/4	238.08	3/4	523.88	3/4	791.94	3/4	1,062.19	3/4	1,335.01	3/4	1,607.83	3/4	1,880.66	3/4	2,153.30	3/4	2,426.16	3/4	2,699.16

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 INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2082
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HFL 200S"

1 CENTER INNAGE TABLE

GAUGE HEIGHT 15'-10 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,704.85	0	2,978.11	0	3,222.83	0	3,443.06	0	3,663.27	0		0		0		0		0	
1/4	2,710.53	1/4	2,983.81	1/4	3,227.42	1/4	3,447.64	1/4	3,667.86	1/4		1/4		1/4		1/4		1/4	
1/2	2,716.22	1/2	2,989.51	1/2	3,232.01	1/2	3,452.23	1/2	3,672.45	1/2		1/2		1/2		1/2		1/2	
3/4	2,721.91	3/4	2,995.21	3/4	3,236.60	3/4	3,456.82	3/4	3,677.04	3/4		3/4		3/4		3/4		3/4	
1	2,727.60	1	3,000.91	1	3,241.19	1	3,461.40	1	3,681.62	1		1		1		1		1	
1 1/4	2,733.28	1 1/4	3,006.62	1 1/4	3,246.77	1 1/4	3,465.99	1 1/4	3,686.21	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,738.97	1 1/2	3,012.32	1 1/2	3,250.36	1 1/2	3,470.58	1 1/2	3,690.80	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,744.66	3/4	3,018.02	3/4	3,254.95	3/4	3,475.17	3/4	3,695.39	3/4		3/4		3/4		3/4		3/4	
2	2,750.35	2	3,023.72	2	3,259.54	2	3,479.76	2	3,699.97	2		2		2		2		2	
1 1/4	2,756.03	1 1/4	3,029.42	1 1/4	3,264.12	1 1/4	3,484.34	1 1/4	3,704.55	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,761.72	1 1/2	3,035.13	1 1/2	3,268.71	1 1/2	3,488.93	1 1/2	3,709.13	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,767.41	3/4	3,040.83	3/4	3,273.30	3/4	3,493.52	3/4	3,713.71	3/4		3/4		3/4		3/4		3/4	
3	2,773.10	3	3,046.53	3	3,277.89	3	3,498.11	3	3,718.29	3		3		3		3		3	
1 1/4	2,778.78	1 1/4	3,052.23	1 1/4	3,282.48	1 1/4	3,502.70	1 1/4	3,722.85	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,784.47	1 1/2	3,057.93	1 1/2	3,287.06	1 1/2	3,507.28	1 1/2	3,727.40	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,790.16	3/4	3,063.63	3/4	3,291.65	3/4	3,511.87	3/4	3,731.96	3/4		3/4		3/4		3/4		3/4	
4	2,795.85	4	3,069.34	4	3,296.24	4	3,516.46	4	3,736.52	4		4		4		4		4	
1 1/4	2,801.53	1 1/4	3,075.04	1 1/4	3,300.83	1 1/4	3,521.05	1 1/4	3,740.60	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,807.22	1 1/2	3,080.74	1 1/2	3,305.42	1 1/2	3,525.63	1 1/2	3,744.69	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,812.91	3/4	3,086.44	3/4	3,310.00	3/4	3,530.22	3/4	3,748.78	3/4		3/4		3/4		3/4		3/4	
5	2,818.60	5	3,092.14	5	3,314.59	5	3,534.81	5	3,752.86	5		5		5		5		5	
1 1/4	2,824.28	1 1/4	3,097.29	1 1/4	3,319.18	1 1/4	3,539.40	1 1/4	3,756.11	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,829.97	1 1/2	3,102.43	1 1/2	3,323.77	1 1/2	3,543.99	1 1/2	3,759.35	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,835.66	3/4	3,107.58	3/4	3,328.36	3/4	3,548.57	3/4	3,762.59	3/4		3/4		3/4		3/4		3/4	
6	2,841.35	6	3,112.72	6	3,332.94	6	3,553.16	6	3,765.84	6		6		6		6		6	
1 1/4	2,847.03	1 1/4	3,117.31	1 1/4	3,337.53	1 1/4	3,557.75	1 1/4	3,767.74	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,852.72	1 1/2	3,121.90	1 1/2	3,342.12	1 1/2	3,562.34	1 1/2	3,769.64	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,858.41	3/4	3,126.49	3/4	3,346.71	3/4	3,566.93	3/4	3,771.54	3/4		3/4		3/4		3/4		3/4	
7	2,864.10	7	3,131.08	7	3,351.29	7	3,571.51	7	3,773.44	7		7		7		7		7	
1 1/4	2,869.79	1 1/4	3,135.66	1 1/4	3,355.88	1 1/4	3,576.10	1 1/4	3,774.39	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,875.49	1 1/2	3,140.25	1 1/2	3,360.47	1 1/2	3,580.69	1 1/2	3,775.34	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,881.18	3/4	3,144.84	3/4	3,365.06	3/4	3,585.28	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,886.88	8	3,149.43	8	3,369.65	8	3,589.87	8		8		8		8		8		8	
1 1/4	2,892.58	1 1/4	3,154.01	1 1/4	3,374.23	1 1/4	3,594.45	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,898.28	1 1/2	3,158.60	1 1/2	3,378.82	1 1/2	3,599.04	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,903.98	3/4	3,163.19	3/4	3,383.41	3/4	3,603.63	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,909.69	9	3,167.78	9	3,388.00	9	3,608.22	9		9		9		9		9		9	
1 1/4	2,915.39	1 1/4	3,172.37	1 1/4	3,392.59	1 1/4	3,612.80	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,921.09	1 1/2	3,176.95	1 1/2	3,397.17	1 1/2	3,617.39	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,926.79	3/4	3,181.54	3/4	3,401.76	3/4	3,621.98	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,932.49	10	3,186.13	10	3,406.35	10	3,626.57	10		10		10		10		10		10	
1 1/4	2,938.19	1 1/4	3,190.72	1 1/4	3,410.94	1 1/4	3,631.16	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,943.89	1 1/2	3,195.31	1 1/2	3,415.53	1 1/2	3,635.74	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,949.60	3/4	3,199.89	3/4	3,420.11	3/4	3,640.33	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,955.30	11	3,204.48	11	3,424.70	11	3,644.92	11		11		11		11		11		11	
1 1/4	2,961.00	1 1/4	3,209.07	1 1/4	3,429.29	1 1/4	3,649.51	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,966.70	1 1/2	3,213.66	1 1/2	3,433.88	1 1/2	3,654.10	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,972.41	3/4	3,218.25	3/4	3,438.46	3/4	3,658.68	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2018 CL
CALCULATED: 12/11/2018 CL
PRINTED: 12/11/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2018

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



BARGE "HFL 200S"

2 CENTER INNAGE TABLE

Gauge Height 15'-10 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
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	2.35	0	227.66	0	475.04	0	778.30	0	965.12	0	1,213.08	0	1,461.04	0	1,709.00	0	1,956.96	0	2,204.91
1/4	4.07	1/4	232.83	1/4	480.77	1/4	784.39	1/4	970.29	1/4	1,218.25	1/4	1,466.21	1/4	1,714.16	1/4	1,962.12	1/4	2,210.08
1/2	5.79	1/2	237.99	1/2	485.94	1/2	789.40	1/2	975.45	1/2	1,223.41	1/2	1,471.37	1/2	1,719.33	1/2	1,967.29	1/2	2,215.25
3/4	7.51	3/4	243.16	3/4	491.10	3/4	794.40	3/4	980.62	3/4	1,228.58	3/4	1,476.54	3/4	1,724.50	3/4	1,972.45	3/4	2,220.41
1	9.23	1	248.32	1	496.27	1	799.40	1	985.79	1	1,233.74	1	1,481.70	1	1,729.66	1	1,977.62	1	2,225.58
1 1/4	12.68	1 1/4	253.49	1 1/4	501.43	1 1/4	744.41	1 1/4	990.95	1 1/4	1,238.91	1 1/4	1,486.87	1 1/4	1,734.83	1 1/4	1,982.79	1 1/4	2,230.74
1 1/2	16.12	1 1/2	258.65	1 1/2	506.60	1 1/2	749.41	1 1/2	996.12	1 1/2	1,244.08	1 1/2	1,492.03	1 1/2	1,739.99	1 1/2	1,987.95	1 1/2	2,235.91
3/4	19.56	3/4	263.82	3/4	511.76	3/4	754.42	3/4	1,001.26	3/4	1,249.24	3/4	1,497.20	3/4	1,745.16	3/4	1,993.12	3/4	2,241.08
2	23.00	2	268.99	2	516.93	2	759.42	2	1,006.45	2	1,254.41	2	1,502.37	2	1,750.32	2	1,998.28	2	2,246.24
1 1/4	27.72	1 1/4	274.15	1 1/4	522.09	1 1/4	764.43	1 1/4	1,011.61	1 1/4	1,259.57	1 1/4	1,507.53	1 1/4	1,755.49	1 1/4	2,003.45	1 1/4	2,251.41
1 1/2	32.43	1 1/2	279.32	1 1/2	527.26	1 1/2	769.44	1 1/2	1,016.78	1 1/2	1,264.74	1 1/2	1,512.70	1 1/2	1,760.66	1 1/2	2,008.61	1 1/2	2,256.57
3/4	37.14	3/4	284.48	3/4	532.43	3/4	774.45	3/4	1,021.95	3/4	1,269.90	3/4	1,517.86	3/4	1,765.82	3/4	2,013.78	3/4	2,261.74
3	41.85	3	289.65	3	537.59	3	779.46	3	1,027.11	3	1,275.07	3	1,523.03	3	1,770.99	3	2,018.95	3	2,266.90
1 1/4	46.99	1 1/4	294.81	1 1/4	542.78	1 1/4	784.55	1 1/4	1,032.28	1 1/4	1,280.24	1 1/4	1,528.19	1 1/4	1,776.15	1 1/4	2,024.11	1 1/4	2,272.07
1 1/2	52.12	1 1/2	299.98	1 1/2	547.92	1 1/2	789.64	1 1/2	1,037.44	1 1/2	1,285.40	1 1/2	1,533.36	1 1/2	1,781.32	1 1/2	2,029.28	1 1/2	2,277.24
3/4	57.26	3/4	305.14	3/4	553.09	3/4	794.73	3/4	1,042.61	3/4	1,290.57	3/4	1,538.53	3/4	1,786.48	3/4	2,034.44	3/4	2,282.40
4	62.40	4	310.31	4	558.25	4	799.82	4	1,047.78	4	1,295.73	4	1,543.69	4	1,791.65	4	2,039.61	4	2,287.57
1 1/4	67.56	1 1/4	315.47	1 1/4	563.42	1 1/4	804.98	1 1/4	1,052.94	1 1/4	1,300.90	1 1/4	1,548.86	1 1/4	1,796.82	1 1/4	2,044.77	1 1/4	2,292.73
1 1/2	72.71	1 1/2	320.64	1 1/2	568.58	1 1/2	810.15	1 1/2	1,058.11	1 1/2	1,306.07	1 1/2	1,554.02	1 1/2	1,801.98	1 1/2	2,049.94	1 1/2	2,297.90
3/4	77.87	3/4	325.81	3/4	573.78	3/4	815.31	3/4	1,063.27	3/4	1,311.23	3/4	1,559.18	3/4	1,807.18	3/4	2,055.11	3/4	2,303.06
5	83.03	5	330.97	5	578.92	5	820.48	5	1,068.44	5	1,316.40	5	1,564.36	5	1,812.31	5	2,060.27	5	2,308.23
1 1/4	88.20	1 1/4	336.14	1 1/4	584.01	1 1/4	825.65	1 1/4	1,073.60	1 1/4	1,321.56	1 1/4	1,569.52	1 1/4	1,817.48	1 1/4	2,065.44	1 1/4	2,313.40
1 1/2	93.36	1 1/2	341.30	1 1/2	589.10	1 1/2	830.81	1 1/2	1,078.77	1 1/2	1,326.73	1 1/2	1,574.69	1 1/2	1,822.65	1 1/2	2,070.60	1 1/2	2,318.56
3/4	98.52	3/4	346.47	3/4	594.19	3/4	835.98	3/4	1,083.94	3/4	1,331.89	3/4	1,579.85	3/4	1,827.81	3/4	2,075.77	3/4	2,323.73
6	103.69	6	351.63	6	599.28	6	841.14	6	1,089.10	6	1,337.06	6	1,585.02	6	1,832.98	6	2,080.94	6	2,328.89
1 1/4	108.85	1 1/4	356.80	1 1/4	604.29	1 1/4	846.31	1 1/4	1,094.27	1 1/4	1,342.23	1 1/4	1,590.18	1 1/4	1,838.14	1 1/4	2,086.10	1 1/4	2,334.06
1 1/2	114.02	1 1/2	361.96	1 1/2	609.39	1 1/2	851.47	1 1/2	1,099.43	1 1/2	1,347.39	1 1/2	1,595.35	1 1/2	1,843.31	1 1/2	2,091.27	1 1/2	2,339.23
3/4	119.19	3/4	367.13	3/4	614.31	3/4	856.64	3/4	1,104.60	3/4	1,352.56	3/4	1,600.52	3/4	1,848.47	3/4	2,096.43	3/4	2,344.39
7	124.35	7	372.30	7	619.32	7	861.81	7	1,109.77	7	1,357.72	7	1,605.68	7	1,853.64	7	2,101.60	7	2,349.56
1 1/4	129.52	1 1/4	377.46	1 1/4	624.32	1 1/4	866.97	1 1/4	1,114.93	1 1/4	1,362.89	1 1/4	1,610.85	1 1/4	1,858.81	1 1/4	2,106.76	1 1/4	2,354.72
1 1/2	134.68	1 1/2	382.63	1 1/2	629.32	1 1/2	872.14	1 1/2	1,120.10	1 1/2	1,368.06	1 1/2	1,616.01	1 1/2	1,863.97	1 1/2	2,111.93	1 1/2	2,359.89
3/4	139.85	3/4	387.79	3/4	634.33	3/4	877.30	3/4	1,125.26	3/4	1,373.22	3/4	1,621.18	3/4	1,869.14	3/4	2,117.10	3/4	2,365.05
8	145.01	8	392.96	8	639.33	8	882.47	8	1,130.43	8	1,378.39	8	1,626.36	8	1,874.30	8	2,122.26	8	2,370.22
1 1/4	150.18	1 1/4	398.12	1 1/4	644.33	1 1/4	887.64	1 1/4	1,135.59	1 1/4	1,383.55	1 1/4	1,631.51	1 1/4	1,879.47	1 1/4	2,127.43	1 1/4	2,375.39
1 1/2	155.34	1 1/2	403.29	1 1/2	649.34	1 1/2	892.80	1 1/2	1,140.76	1 1/2	1,388.72	1 1/2	1,636.68	1 1/2	1,884.64	1 1/2	2,132.59	1 1/2	2,380.55
3/4	160.51	3/4	408.45	3/4	654.34	3/4	897.97	3/4	1,145.93	3/4	1,393.88	3/4	1,641.84	3/4	1,889.80	3/4	2,137.76	3/4	2,385.72
9	165.68	9	413.62	9	659.36	9	903.13	9	1,151.09	9	1,399.06	9	1,647.01	9	1,894.97	9	2,142.93	9	2,390.88
1 1/4	170.84	1 1/4	418.78	1 1/4	664.35	1 1/4	908.30	1 1/4	1,156.26	1 1/4	1,404.22	1 1/4	1,652.17	1 1/4	1,900.13	1 1/4	2,148.09	1 1/4	2,396.05
1 1/2	176.01	1 1/2	423.95	1 1/2	669.35	1 1/2	913.46	1 1/2	1,161.42	1 1/2	1,409.38	1 1/2	1,657.34	1 1/2	1,905.30	1 1/2	2,153.26	1 1/2	2,401.22
3/4	181.17	3/4	429.12	3/4	674.36	3/4	918.63	3/4	1,166.59	3/4	1,414.55	3/4	1,662.51	3/4	1,910.46	3/4	2,158.42	3/4	2,406.38
10	186.34	10	434.28	10	679.36	10	923.80	10	1,171.75	10	1,419.71	10	1,667.67	10	1,915.63	10	2,163.59	10	2,411.55
1 1/4	191.50	1 1/4	439.45	1 1/4	684.36	1 1/4	928.96	1 1/4	1,176.92	1 1/4	1,424.88	1 1/4	1,672.84	1 1/4	1,920.80	1 1/4	2,168.75	1 1/4	2,416.71
1 1/2	196.67	1 1/2	444.61	1 1/2	689.37	1 1/2	934.13	1 1/2	1,182.09	1 1/2	1,430.04	1 1/2	1,678.00	1 1/2	1,925.96	1 1/2	2,173.92	1 1/2	2,421.88
3/4	201.83	3/4	449.78	3/4	694.37	3/4	939.29	3/4	1,187.25	3/4	1,435.21	3/4	1,683.17	3/4	1,931.13	3/4	2,179.09	3/4	2,427.04
11	207.00	11	454.94	11	699.38	11	944.46	11	1,192.42	11	1,440.36	11	1,688.33	11	1,936.29	11	2,184.25	11	2,432.21
1 1/4	212.16	1 1/4	460.11	1 1/4	704.38	1 1/4	949.63	1 1/4	1,197.58	1 1/4	1,445.54	1 1/4	1,693.50	1 1/4	1,941.46	1 1/4	2,189.42	1 1/4	2,437.38
1 1/2	217.33	1 1/2	465.27	1 1/2	709.38	1 1/2	954.79	1 1/2	1,202.75	1 1/2	1,450.71	1 1/2	1,698.67	1 1/2	1,946.62	1 1/2	2,194.58	1 1/2	2,442.54
3/4	222.50	3/4	470.44	3/4	714.39	3/4	959.96	3/4	1,207.92	3/4	1,455.87	3/4	1,703.83	3/4	1,951.79	3/4	2,199.75	3/4	2,447.71

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 28'-06" FORWARD OF AFT BULKHEAD

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





BARGE "HFL 200S"

2 CENTER INNAGE TABLE

GAUGE HEIGHT 15'-10 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,452.87	0	2,700.83	0	2,948.79	0	3,196.75	0	3,444.71	0	0	0	0	0	0	0	0	0	0
1/4	2,458.04	1/4	2,706.00	1/4	2,953.96	1/4	3,201.91	1/4	3,449.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,463.20	1/2	2,711.16	1/2	2,959.12	1/2	3,207.08	1/2	3,455.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,468.37	3/4	2,716.33	3/4	2,964.29	3/4	3,212.25	3/4	3,460.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,473.54	1	2,721.49	1	2,969.45	1	3,217.41	1	3,465.37	1	1	1	1	1	1	1	1	1	1
1/4	2,478.70	1/4	2,726.66	1/4	2,974.62	1/4	3,222.58	1/4	3,470.53	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,483.87	1/2	2,731.83	1/2	2,979.78	1/2	3,227.74	1/2	3,475.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,489.03	3/4	2,736.99	3/4	2,984.95	3/4	3,232.91	3/4	3,480.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,494.20	2	2,742.16	2	2,990.12	2	3,238.07	2	3,486.01	2	2	2	2	2	2	2	2	2	2
1/4	2,499.37	1/4	2,747.32	1/4	2,995.28	1/4	3,243.24	1/4	3,491.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,504.53	1/2	2,752.49	1/2	3,000.45	1/2	3,248.41	1/2	3,496.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,509.70	3/4	2,757.66	3/4	3,005.61	3/4	3,253.57	3/4	3,501.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,514.86	3	2,762.82	3	3,010.78	3	3,258.74	3	3,506.64	3	3	3	3	3	3	3	3	3	3
1/4	2,520.03	1/4	2,767.99	1/4	3,015.95	1/4	3,263.90	1/4	3,511.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,525.19	1/2	2,773.15	1/2	3,021.11	1/2	3,269.07	1/2	3,516.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,530.36	3/4	2,778.32	3/4	3,026.28	3/4	3,274.24	3/4	3,522.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,535.53	4	2,783.48	4	3,031.44	4	3,279.40	4	3,527.19	4	4	4	4	4	4	4	4	4	4
1/4	2,540.69	1/4	2,788.65	1/4	3,036.61	1/4	3,284.57	1/4	3,531.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,545.86	1/2	2,793.82	1/2	3,041.77	1/2	3,289.73	1/2	3,536.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,551.02	3/4	2,798.98	3/4	3,046.94	3/4	3,294.90	3/4	3,541.32	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,556.19	5	2,804.16	5	3,052.11	5	3,300.06	5	3,546.04	5	5	5	5	5	5	5	5	5	5
1/4	2,561.35	1/4	2,809.31	1/4	3,057.27	1/4	3,305.23	1/4	3,549.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,566.52	1/2	2,814.48	1/2	3,062.44	1/2	3,310.40	1/2	3,552.92	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,571.69	3/4	2,819.64	3/4	3,067.60	3/4	3,315.56	3/4	3,556.36	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	2,576.85	6	2,824.81	6	3,072.77	6	3,320.73	6	3,559.81	6	6	6	6	6	6	6	6	6	6
1/4	2,582.02	1/4	2,829.98	1/4	3,077.93	1/4	3,325.89	1/4	3,561.53	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,587.18	1/2	2,835.14	1/2	3,083.10	1/2	3,331.06	1/2	3,563.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,592.35	3/4	2,840.31	3/4	3,088.27	3/4	3,336.22	3/4	3,564.97	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	2,597.52	7	2,845.47	7	3,093.43	7	3,341.39	7	3,566.69	7	7	7	7	7	7	7	7	7	7
1/4	2,602.68	1/4	2,850.64	1/4	3,098.60	1/4	3,346.56	1/4	3,567.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,607.85	1/2	2,855.81	1/2	3,103.76	1/2	3,351.72	1/2	3,568.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,613.01	3/4	2,860.97	3/4	3,108.93	3/4	3,356.89	3/4	3,569.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	2,618.18	8	2,866.14	8	3,114.10	8	3,362.05	8	3,570.14	8	8	8	8	8	8	8	8	8	8
1/4	2,623.34	1/4	2,871.30	1/4	3,119.26	1/4	3,367.22	1/4	3,571.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,628.51	1/2	2,876.47	1/2	3,124.43	1/2	3,372.39	1/2	3,571.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,633.68	3/4	2,881.63	3/4	3,129.59	3/4	3,377.55	3/4	3,572.72	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	2,638.84	9	2,886.80	9	3,134.76	9	3,382.72	9	3,573.58	9	9	9	9	9	9	9	9	9	9
1/4	2,644.01	1/4	2,891.97	1/4	3,139.92	1/4	3,387.88	1/4	3,574.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,649.17	1/2	2,897.13	1/2	3,145.09	1/2	3,393.05	1/2	3,575.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,654.34	3/4	2,902.30	3/4	3,150.26	3/4	3,398.21	3/4	3,576.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	2,659.51	10	2,907.46	10	3,155.42	10	3,403.38	10	3,577.02	10	10	10	10	10	10	10	10	10	10
1/4	2,664.67	1/4	2,912.63	1/4	3,160.59	1/4	3,408.55	1/4	3,577.88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,669.84	1/2	2,917.80	1/2	3,165.75	1/2	3,413.71	1/2	3,578.74	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,675.00	3/4	2,922.96	3/4	3,170.92	3/4	3,418.88	3/4	3,579.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	2,680.17	11	2,928.13	11	3,176.09	11	3,424.04	11	3,580.46	11	11	11	11	11	11	11	11	11	11
1/4	2,685.33	1/4	2,933.29	1/4	3,181.25	1/4	3,429.21	1/4	3,581.32	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,690.50	1/2	2,938.46	1/2	3,186.42	1/2	3,434.38	1/2	3,582.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,695.67	3/4	2,943.62	3/4	3,191.58	3/4	3,439.54	3/4	3,583.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2018 CL
CALCULATED: 12/11/2018 CL
PRINTED: 12/11/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2018

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



BARGE "HFL 200S"

3 CENTER INNAGE TABLE

GAUGE HEIGHT 16'-00 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

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	2.34	0	226.79	0	473.78	0	720.35	0	967.14	0	1,214.14	0	1,461.15	0	1,708.16	0	1,955.15	0	2,202.15
1/4	4.06	1/4	231.94	1/4	478.93	1/4	725.48	1/4	972.28	1/4	1,219.29	1/4	1,466.29	1/4	1,713.29	1/4	1,960.30	1/4	2,207.30
1/2	5.77	1/2	237.08	1/2	484.08	1/2	730.60	1/2	977.43	1/2	1,224.43	1/2	1,471.44	1/2	1,718.44	1/2	1,965.44	1/2	2,212.45
3/4	7.49	3/4	242.23	3/4	489.22	3/4	736.73	3/4	982.58	3/4	1,229.58	3/4	1,476.58	3/4	1,723.59	3/4	1,970.59	3/4	2,217.59
1	9.20	1	247.37	1	494.37	1	740.86	1	987.72	1	1,234.73	1	1,481.73	1	1,728.73	1	1,975.74	1	2,222.74
1/4	12.63	1/4	252.52	1/4	499.51	1/4	745.99	1/4	992.87	1/4	1,239.87	1/4	1,486.87	1/4	1,733.88	1/4	1,980.88	1/4	2,227.88
1/2	16.06	1/2	257.67	1/2	504.66	1/2	751.11	1/2	998.01	1/2	1,245.02	1/2	1,492.02	1/2	1,739.02	1/2	1,986.03	1/2	2,233.03
3/4	19.49	3/4	262.81	3/4	509.80	3/4	756.24	3/4	1,003.16	3/4	1,250.16	3/4	1,497.17	3/4	1,744.17	3/4	1,991.17	3/4	2,238.18
2	22.92	2	267.96	2	514.96	2	761.37	2	1,008.31	2	1,255.31	2	1,502.31	2	1,749.32	2	1,996.32	2	2,243.32
1/4	27.61	1/4	273.10	1/4	520.10	1/4	766.50	1/4	1,013.45	1/4	1,260.46	1/4	1,507.46	1/4	1,751.46	1/4	2,001.46	1/4	2,248.47
1/2	32.31	1/2	278.25	1/2	525.24	1/2	771.63	1/2	1,018.60	1/2	1,265.60	1/2	1,512.60	1/2	1,756.61	1/2	2,006.61	1/2	2,253.61
3/4	37.00	3/4	283.39	3/4	530.39	3/4	776.77	3/4	1,023.74	3/4	1,270.75	3/4	1,517.75	3/4	1,761.75	3/4	2,011.76	3/4	2,258.76
3	41.69	3	288.54	3	535.53	3	781.90	3	1,028.89	3	1,275.89	3	1,522.90	3	1,766.90	3	2,016.90	3	2,263.91
1/4	46.81	1/4	293.68	1/4	540.68	1/4	787.04	1/4	1,034.04	1/4	1,281.04	1/4	1,528.04	1/4	1,771.05	1/4	2,022.05	1/4	2,269.05
1/2	51.93	1/2	298.83	1/2	545.82	1/2	792.19	1/2	1,039.18	1/2	1,286.18	1/2	1,533.19	1/2	1,776.19	1/2	2,027.19	1/2	2,274.20
3/4	57.04	3/4	303.98	3/4	550.97	3/4	797.33	3/4	1,044.33	3/4	1,291.33	3/4	1,538.33	3/4	1,781.34	3/4	2,032.34	3/4	2,279.34
4	62.16	4	309.12	4	556.12	4	802.47	4	1,049.47	4	1,296.48	4	1,543.48	4	1,786.48	4	2,037.49	4	2,284.49
1/4	67.30	1/4	314.27	1/4	561.26	1/4	807.62	1/4	1,054.62	1/4	1,301.62	1/4	1,548.63	1/4	1,791.63	1/4	2,042.63	1/4	2,289.64
1/2	72.44	1/2	319.41	1/2	566.41	1/2	812.76	1/2	1,059.77	1/2	1,306.77	1/2	1,553.77	1/2	1,800.77	1/2	2,047.78	1/2	2,294.78
3/4	77.58	3/4	324.56	3/4	571.55	3/4	817.91	3/4	1,064.91	3/4	1,311.91	3/4	1,558.92	3/4	1,805.92	3/4	2,052.92	3/4	2,299.93
5	82.71	5	329.70	5	576.70	5	823.05	5	1,070.06	5	1,317.06	5	1,564.06	5	1,811.07	5	2,058.07	5	2,305.07
1/4	87.86	1/4	334.85	1/4	581.84	1/4	828.20	1/4	1,075.20	1/4	1,322.21	1/4	1,569.21	1/4	1,816.21	1/4	2,063.22	1/4	2,310.22
1/2	93.00	1/2	340.00	1/2	586.98	1/2	833.35	1/2	1,080.35	1/2	1,327.35	1/2	1,574.36	1/2	1,821.36	1/2	2,068.36	1/2	2,315.36
3/4	98.15	3/4	345.14	3/4	592.13	3/4	838.49	3/4	1,085.49	3/4	1,332.50	3/4	1,579.50	3/4	1,826.50	3/4	2,073.51	3/4	2,320.51
6	103.29	6	350.29	6	597.27	6	843.64	6	1,090.64	6	1,337.64	6	1,584.65	6	1,831.65	6	2,078.65	6	2,325.66
1/4	108.44	1/4	355.43	1/4	602.40	1/4	848.78	1/4	1,095.79	1/4	1,342.79	1/4	1,589.79	1/4	1,836.80	1/4	2,083.80	1/4	2,330.80
1/2	113.59	1/2	360.58	1/2	607.53	1/2	853.93	1/2	1,100.93	1/2	1,347.94	1/2	1,594.94	1/2	1,841.94	1/2	2,088.94	1/2	2,335.95
3/4	118.73	3/4	365.72	3/4	612.67	3/4	859.07	3/4	1,106.08	3/4	1,353.08	3/4	1,600.08	3/4	1,847.09	3/4	2,094.09	3/4	2,341.09
7	123.88	7	370.87	7	617.60	7	864.22	7	1,111.22	7	1,358.23	7	1,605.23	7	1,852.23	7	2,099.24	7	2,346.24
1/4	129.02	1/4	376.02	1/4	622.93	1/4	869.37	1/4	1,116.37	1/4	1,363.37	1/4	1,610.38	1/4	1,857.38	1/4	2,104.38	1/4	2,351.39
1/2	134.17	1/2	381.16	1/2	628.06	1/2	874.51	1/2	1,121.52	1/2	1,368.52	1/2	1,615.52	1/2	1,862.53	1/2	2,109.53	1/2	2,356.53
3/4	139.31	3/4	386.31	3/4	633.18	3/4	879.66	3/4	1,126.66	3/4	1,373.66	3/4	1,620.67	3/4	1,867.67	3/4	2,114.67	3/4	2,361.68
8	144.46	8	391.45	8	638.31	8	884.80	8	1,131.81	8	1,378.81	8	1,625.81	8	1,872.82	8	2,119.82	8	2,366.82
1/4	149.61	1/4	396.60	1/4	643.44	1/4	889.95	1/4	1,136.95	1/4	1,383.96	1/4	1,630.96	1/4	1,877.96	1/4	2,124.97	1/4	2,371.97
1/2	154.75	1/2	401.74	1/2	648.56	1/2	895.10	1/2	1,142.10	1/2	1,389.10	1/2	1,636.11	1/2	1,883.11	1/2	2,130.11	1/2	2,377.12
3/4	159.90	3/4	406.89	3/4	653.69	3/4	900.24	3/4	1,147.25	3/4	1,394.25	3/4	1,641.25	3/4	1,888.25	3/4	2,135.26	3/4	2,382.26
9	165.04	9	412.04	9	658.82	9	905.39	9	1,152.39	9	1,399.39	9	1,646.40	9	1,893.40	9	2,140.40	9	2,387.41
1/4	170.19	1/4	417.18	1/4	663.95	1/4	910.53	1/4	1,157.54	1/4	1,404.54	1/4	1,651.54	1/4	1,898.55	1/4	2,145.55	1/4	2,392.55
1/2	175.33	1/2	422.33	1/2	669.07	1/2	915.68	1/2	1,162.68	1/2	1,409.69	1/2	1,656.69	1/2	1,903.69	1/2	2,150.70	1/2	2,397.70
3/4	180.48	3/4	427.47	3/4	674.20	3/4	920.83	3/4	1,167.83	3/4	1,414.83	3/4	1,661.84	3/4	1,908.84	3/4	2,155.84	3/4	2,402.84
10	185.63	10	432.62	10	679.33	10	925.97	10	1,172.97	10	1,419.98	10	1,666.98	10	1,913.98	10	2,160.99	10	2,407.99
1/4	190.77	1/4	437.76	1/4	684.46	1/4	931.12	1/4	1,178.12	1/4	1,425.12	1/4	1,672.13	1/4	1,919.13	1/4	2,166.13	1/4	2,413.14
1/2	195.92	1/2	442.91	1/2	689.58	1/2	936.26	1/2	1,183.27	1/2	1,430.27	1/2	1,677.27	1/2	1,924.28	1/2	2,171.28	1/2	2,418.28
3/4	201.06	3/4	448.06	3/4	694.71	3/4	941.41	3/4	1,188.41	3/4	1,435.42	3/4	1,682.42	3/4	1,929.42	3/4	2,176.43	3/4	2,423.43
11	206.21	11	453.20	11	699.84	11	946.56	11	1,193.56	11	1,440.56	11	1,687.56	11	1,934.57	11	2,181.57	11	2,428.57
1/4	211.35	1/4	458.35	1/4	704.97	1/4	951.70	1/4	1,198.70	1/4	1,445.71	1/4	1,692.71	1/4	1,939.71	1/4	2,186.72	1/4	2,433.72
1/2	216.50	1/2	463.49	1/2	710.09	1/2	956.85	1/2	1,203.85	1/2	1,450.85	1/2	1,697.86	1/2	1,944.86	1/2	2,191.86	1/2	2,438.87
3/4	221.65	3/4	468.64	3/4	715.22	3/4	961.99	3/4	1,209.00	3/4	1,456.00	3/4	1,703.00	3/4	1,950.01	3/4	2,197.01	3/4	2,444.01

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 INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 20'-00" FORWARD OF AFT BULKHEAD

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



BARGE "HFL 200S"

3 CENTER INNAGE TABLE

GAUGE HEIGHT 16'-00 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,449.16	0	2,696.16	0	2,943.16	0	3,190.17	0	3,437.17	0	0	0	0	0	0	0	0	0	0
1/4	2,454.30	1/4	2,701.31	1/4	2,948.31	1/4	3,195.31	1/4	3,442.32	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,459.45	1/2	2,706.45	1/2	2,953.45	1/2	3,200.46	1/2	3,447.46	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,464.60	3/4	2,711.60	3/4	2,958.60	3/4	3,205.61	3/4	3,452.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,469.74	1	2,716.74	1	2,963.74	1	3,210.76	1	3,457.75	1	1	1	1	1	1	1	1	1	1
1/4	2,474.89	1/4	2,721.89	1/4	2,968.89	1/4	3,215.90	1/4	3,462.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,480.03	1/2	2,727.04	1/2	2,974.04	1/2	3,221.04	1/2	3,468.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,485.18	3/4	2,732.18	3/4	2,979.18	3/4	3,226.19	3/4	3,473.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,490.33	2	2,737.33	2	2,984.33	2	3,231.33	2	3,478.35	2	2	2	2	2	2	2	2	2	2
1/4	2,495.47	1/4	2,742.47	1/4	2,989.48	1/4	3,236.48	1/4	3,483.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,500.62	1/2	2,747.62	1/2	2,994.62	1/2	3,241.63	1/2	3,488.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,505.76	3/4	2,752.77	3/4	2,999.77	3/4	3,246.77	3/4	3,493.77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,510.91	3	2,757.91	3	3,004.92	3	3,251.92	3	3,498.91	3	3	3	3	3	3	3	3	3	3
1/4	2,516.05	1/4	2,763.06	1/4	3,010.06	1/4	3,257.06	1/4	3,504.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,521.20	1/2	2,768.20	1/2	3,015.21	1/2	3,262.21	1/2	3,509.14	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,526.35	3/4	2,773.35	3/4	3,020.35	3/4	3,267.35	3/4	3,514.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,531.49	4	2,778.50	4	3,025.50	4	3,272.50	4	3,519.38	4	4	4	4	4	4	4	4	4	4
1/4	2,536.64	1/4	2,783.64	1/4	3,030.64	1/4	3,277.65	1/4	3,524.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,541.78	1/2	2,788.79	1/2	3,035.79	1/2	3,282.79	1/2	3,528.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,546.93	3/4	2,793.93	3/4	3,040.94	3/4	3,287.94	3/4	3,533.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,552.08	5	2,799.08	5	3,046.08	5	3,293.09	5	3,538.15	5	5	5	5	5	5	5	5	5	5
1/4	2,557.22	1/4	2,804.23	1/4	3,051.23	1/4	3,298.23	1/4	3,541.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,562.37	1/2	2,809.37	1/2	3,056.37	1/2	3,303.38	1/2	3,545.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,567.51	3/4	2,814.52	3/4	3,061.52	3/4	3,308.52	3/4	3,548.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	2,572.66	6	2,819.66	6	3,066.67	6	3,313.67	6	3,551.87	6	6	6	6	6	6	6	6	6	6
1/4	2,577.81	1/4	2,824.81	1/4	3,071.81	1/4	3,318.82	1/4	3,553.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,582.95	1/2	2,829.95	1/2	3,076.96	1/2	3,323.96	1/2	3,555.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,588.10	3/4	2,835.10	3/4	3,082.10	3/4	3,329.11	3/4	3,557.02	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	2,593.24	7	2,840.25	7	3,087.25	7	3,334.25	7	3,558.73	7	7	7	7	7	7	7	7	7	7
1/4	2,598.39	1/4	2,845.39	1/4	3,092.40	1/4	3,339.40	1/4	3,559.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,603.53	1/2	2,850.54	1/2	3,097.54	1/2	3,344.54	1/2	3,560.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,608.68	3/4	2,855.68	3/4	3,102.69	3/4	3,349.69	3/4	3,561.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	2,613.83	8	2,860.83	8	3,107.83	8	3,354.84	8	3,562.17	8	8	8	8	8	8	8	8	8	8
1/4	2,618.97	1/4	2,865.98	1/4	3,112.98	1/4	3,359.98	1/4	3,563.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,624.12	1/2	2,871.12	1/2	3,118.12	1/2	3,365.13	1/2	3,563.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,629.26	3/4	2,876.27	3/4	3,123.27	3/4	3,370.27	3/4	3,564.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	2,634.41	9	2,881.41	9	3,128.42	9	3,375.42	9	3,565.61	9	9	9	9	9	9	9	9	9	9
1/4	2,639.56	1/4	2,886.56	1/4	3,133.56	1/4	3,380.57	1/4	3,566.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,644.70	1/2	2,891.71	1/2	3,138.71	1/2	3,385.71	1/2	3,567.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,649.85	3/4	2,896.85	3/4	3,143.85	3/4	3,390.86	3/4	3,568.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	2,654.99	10	2,902.00	10	3,149.00	10	3,396.00	10	3,569.05	10	10	10	10	10	10	10	10	10	10
1/4	2,660.14	1/4	2,907.14	1/4	3,154.15	1/4	3,401.15	1/4	3,569.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,665.29	1/2	2,912.29	1/2	3,159.29	1/2	3,406.30	1/2	3,570.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,670.43	3/4	2,917.43	3/4	3,164.44	3/4	3,411.44	3/4	3,571.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	2,675.58	11	2,922.58	11	3,169.58	11	3,416.59	11	3,572.49	11	11	11	11	11	11	11	11	11	11
1/4	2,680.72	1/4	2,927.73	1/4	3,174.73	1/4	3,421.73	1/4	3,573.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,685.87	1/2	2,932.87	1/2	3,179.88	1/2	3,426.88	1/2	3,574.21	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,691.02	3/4	2,938.02	3/4	3,185.02	3/4	3,432.02	3/4	3,575.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2018 CL
CALCULATED: 12/11/2018 CL
PRINTED: 12/11/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2018

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



BARGE "HFL 200S"

ULLAGE TRIM TABLE

	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 CENTER	- 00-9/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
2 CENTER	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
3 CENTER	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8

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

LENGTH BETWEEN DRAFT MARKS: 162'-06"

December 11, 2018

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

<http://www.pmacorp.net>



BARGE "HFL 200S"

1 CENTER ULLAGE TABLE

GUAGE HEIGHT 15'-10 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

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	3,631.16	0	3,410.94	0	3,190.72	0	2,938.19	0	2,665.03	0	2,362.03	0	2,119.23	0	1,846.55		
1/4	1/4	1/4	1/4	1/4	3,628.57	1/4	3,406.36	1/4	3,186.13	1/4	2,932.49	1/4	2,669.35	1/4	2,366.35	1/4	2,113.55	1/4	1,840.87		
1/2	1/2	1/2	1/2	1/2	3,621.96	1/2	3,401.76	1/2	3,181.64	1/2	2,926.79	1/2	2,663.66	1/2	2,360.66	1/2	2,107.87	1/2	1,835.19		
3/4	3/4	3/4	3/4	3/4	3,617.39	3/4	3,397.17	3/4	3,176.95	3/4	2,921.09	3/4	2,657.97	3/4	2,354.97	3/4	2,102.19	3/4	1,829.50		
1	1	1	1	1	3,612.80	1	3,392.59	1	3,172.37	1	2,915.39	1	2,642.28	1	2,369.28	1	2,096.51	1	1,823.82		
1/4	1/4	1/4	1/4	1/4	3,606.22	1/4	3,386.00	1/4	3,167.78	1/4	2,909.69	1/4	2,636.60	1/4	2,363.60	1/4	2,090.84	1/4	1,818.14		
1/2	1/2	1/2	1/2	1/2	3,600.63	1/2	3,383.41	1/2	3,163.19	1/2	2,903.98	1/2	2,630.91	1/2	2,357.91	1/2	2,085.16	1/2	1,812.45		
3/4	3/4	3/4	3/4	3/4	3,599.04	3/4	3,378.82	3/4	3,158.60	3/4	2,898.28	3/4	2,625.22	3/4	2,352.22	3/4	2,079.48	3/4	1,806.77		
2	2	2	2	2	3,594.46	2	3,374.23	2	3,154.01	2	2,892.58	2	2,619.53	2	2,346.54	2	2,073.80	2	1,801.08		
1/4	1/4	1/4	1/4	1/4	3,589.87	1/4	3,369.65	1/4	3,149.43	1/4	2,886.88	1/4	2,613.85	1/4	2,340.85	1/4	2,068.12	1/4	1,795.40		
1/2	1/2	1/2	1/2	1/2	3,585.28	1/2	3,365.06	1/2	3,144.84	1/2	2,881.18	1/2	2,608.16	1/2	2,335.17	1/2	2,062.44	1/2	1,789.72		
3/4	3/4	3/4	3/4	3/4	3,580.69	3/4	3,360.47	3/4	3,140.25	3/4	2,875.49	3/4	2,602.47	3/4	2,329.48	3/4	2,056.76	3/4	1,784.03		
3	3	3	3	3	3,774.39	3	3,576.10	3	3,356.88	3	3,136.66	3	2,869.79	3	2,596.78	3	2,323.80	3	2,051.09	3	1,778.36
1/4	1/4	1/4	1/4	1/4	3,773.44	1/4	3,571.51	1/4	3,351.29	1/4	3,131.08	1/4	2,864.10	1/4	2,591.10	1/4	2,318.12	1/4	2,045.41	1/4	1,772.67
1/2	1/2	1/2	1/2	1/2	3,771.54	1/2	3,566.93	1/2	3,346.71	1/2	3,126.49	1/2	2,858.41	1/2	2,585.41	1/2	2,312.43	1/2	2,039.73	1/2	1,766.98
3/4	3/4	3/4	3/4	3/4	3,769.64	3/4	3,562.34	3/4	3,342.12	3/4	3,121.90	3/4	2,852.72	3/4	2,579.72	3/4	2,306.76	3/4	2,034.05	3/4	1,761.30
4	4	4	4	4	3,767.74	4	3,567.75	4	3,337.53	4	3,117.31	4	2,847.03	4	2,574.03	4	2,301.06	4	2,028.37	4	1,755.61
1/4	1/4	1/4	1/4	1/4	3,765.84	1/4	3,563.16	1/4	3,332.94	1/4	3,112.72	1/4	2,841.35	1/4	2,568.35	1/4	2,295.38	1/4	2,022.69	1/4	1,749.93
1/2	1/2	1/2	1/2	1/2	3,762.59	1/2	3,548.57	1/2	3,328.36	1/2	3,107.58	1/2	2,835.66	1/2	2,562.66	1/2	2,289.70	1/2	2,017.01	1/2	1,744.25
3/4	3/4	3/4	3/4	3/4	3,759.35	3/4	3,543.99	3/4	3,323.77	3/4	3,102.43	3/4	2,829.97	3/4	2,556.97	3/4	2,284.01	3/4	2,011.34	3/4	1,738.56
5	5	5	5	5	3,756.11	5	3,539.40	5	3,319.18	5	3,097.29	5	2,824.28	5	2,551.28	5	2,278.33	5	2,005.66	5	1,732.88
1/4	1/4	1/4	1/4	1/4	3,752.86	1/4	3,534.81	1/4	3,314.59	1/4	3,092.14	1/4	2,818.60	1/4	2,545.60	1/4	2,272.64	1/4	1,999.98	1/4	1,727.19
1/2	1/2	1/2	1/2	1/2	3,748.78	1/2	3,530.22	1/2	3,310.00	1/2	3,086.44	1/2	2,812.91	1/2	2,539.91	1/2	2,266.96	1/2	1,994.30	1/2	1,721.51
3/4	3/4	3/4	3/4	3/4	3,744.69	3/4	3,525.63	3/4	3,305.42	3/4	3,080.74	3/4	2,807.22	3/4	2,534.22	3/4	2,261.28	3/4	1,988.62	3/4	1,715.83
6	6	6	6	6	3,740.60	6	3,521.05	6	3,300.83	6	3,075.04	6	2,801.53	6	2,528.53	6	2,255.59	6	1,982.94	6	1,710.14
1/4	1/4	1/4	1/4	1/4	3,736.52	1/4	3,516.40	1/4	3,296.24	1/4	3,069.34	1/4	2,795.85	1/4	2,522.85	1/4	2,249.91	1/4	1,977.26	1/4	1,704.46
1/2	1/2	1/2	1/2	1/2	3,731.96	1/2	3,511.87	1/2	3,291.65	1/2	3,063.63	1/2	2,790.16	1/2	2,517.16	1/2	2,244.22	1/2	1,971.58	1/2	1,698.78
3/4	3/4	3/4	3/4	3/4	3,727.40	3/4	3,507.26	3/4	3,287.06	3/4	3,057.83	3/4	2,784.47	3/4	2,511.47	3/4	2,238.54	3/4	1,965.91	3/4	1,693.09
7	7	7	7	7	3,722.85	7	3,502.70	7	3,282.48	7	3,052.23	7	2,778.78	7	2,505.76	7	2,232.86	7	1,960.23	7	1,687.41
1/4	1/4	1/4	1/4	1/4	3,718.29	1/4	3,498.11	1/4	3,277.89	1/4	3,046.53	1/4	2,773.10	1/4	2,500.10	1/4	2,227.17	1/4	1,954.55	1/4	1,681.72
1/2	1/2	1/2	1/2	1/2	3,713.71	1/2	3,493.52	1/2	3,273.30	1/2	3,040.83	1/2	2,767.41	1/2	2,494.41	1/2	2,221.49	1/2	1,948.86	1/2	1,676.04
3/4	3/4	3/4	3/4	3/4	3,709.13	3/4	3,488.93	3/4	3,268.71	3/4	3,035.13	3/4	2,761.72	3/4	2,488.72	3/4	2,215.80	3/4	1,943.18	3/4	1,670.36
8	8	8	8	8	3,704.55	8	3,484.34	8	3,264.12	8	3,029.42	8	2,756.03	8	2,483.03	8	2,210.11	8	1,937.50	8	1,664.67
1/4	1/4	1/4	1/4	1/4	3,699.97	1/4	3,479.76	1/4	3,259.54	1/4	3,023.72	1/4	2,750.35	1/4	2,477.35	1/4	2,204.43	1/4	1,931.81	1/4	1,658.99
1/2	1/2	1/2	1/2	1/2	3,695.39	1/2	3,475.17	1/2	3,254.96	1/2	3,018.02	1/2	2,744.66	1/2	2,471.66	1/2	2,196.74	1/2	1,926.13	1/2	1,653.31
3/4	3/4	3/4	3/4	3/4	3,690.80	3/4	3,470.58	3/4	3,250.36	3/4	3,012.32	3/4	2,738.97	3/4	2,465.97	3/4	2,193.06	3/4	1,920.44	3/4	1,647.62
9	9	9	9	9	3,686.21	9	3,465.99	9	3,245.77	9	3,006.62	9	2,733.28	9	2,460.28	9	2,187.38	9	1,914.76	9	1,641.94
1/4	1/4	1/4	1/4	1/4	3,681.62	1/4	3,461.40	1/4	3,241.19	1/4	3,000.91	1/4	2,727.60	1/4	2,454.60	1/4	2,181.60	1/4	1,909.08	1/4	1,636.25
1/2	1/2	1/2	1/2	1/2	3,677.04	1/2	3,456.82	1/2	3,236.60	1/2	2,995.21	1/2	2,721.91	1/2	2,448.91	1/2	2,176.91	1/2	1,903.39	1/2	1,630.57
3/4	3/4	3/4	3/4	3/4	3,672.45	3/4	3,452.23	3/4	3,232.91	3/4	2,989.51	3/4	2,716.22	3/4	2,443.22	3/4	2,170.34	3/4	1,897.71	3/4	1,624.89
10	10	10	10	10	3,667.86	10	3,447.84	10	3,227.82	10	2,983.51	10	2,710.53	10	2,437.53	10	2,164.66	10	1,892.02	10	1,619.20
1/4	1/4	1/4	1/4	1/4	3,663.27	1/4	3,443.05	1/4	3,222.83	1/4	2,978.11	1/4	2,704.85	1/4	2,431.85	1/4	2,156.98	1/4	1,886.34	1/4	1,613.52
1/2	1/2	1/2	1/2	1/2	3,658.68	1/2	3,438.46	1/2	3,218.25	1/2	2,972.41	1/2	2,699.16	1/2	2,426.16	1/2	2,153.30	1/2	1,880.66	1/2	1,607.83
3/4	3/4	3/4	3/4	3/4	3,654.10	3/4	3,433.88	3/4	3,213.66	3/4	2,966.76	3/4	2,693.47	3/4	2,420.47	3/4	2,147.62	3/4	1,874.97	3/4	1,602.15
11	11	11	11	11	3,649.51	11	3,429.29	11	3,209.07	11	2,961.00	11	2,687.76	11	2,414.78	11	2,141.94	11	1,869.29	11	1,596.47
1/4	1/4	1/4	1/4	1/4	3,644.92	1/4	3,424.70	1/4	3,204.48	1/4	2,955.30	1/4	2,682.10	1/4	2,409.10	1/4	2,136.26	1/4	1,863.61	1/4	1,590.78
1/2	1/2	1/2	1/2	1/2	3,640.33	1/2	3,420.11	1/2	3,199.89	1/2	2,949.60	1/2	2,676.41	1/2	2,403.41	1/2	2,130.59	1/2	1,857.92	1/2	1,585.10
3/4	3/4	3/4	3/4	3/4	3,635.74	3/4	3,415.53	3/4	3,195.31	3/4	2,943.90	3/4	2,670.72	3/4	2,397.72	3/4	2,124.91	3/4	1,852.24	3/4	1,579.42

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 28'-00" FORWARD OF AFT BULKHEAD

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



BARGE "HFL 200S"

1 CENTER ULLAGE TABLE

GUAGE HEIGHT 15'-10 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,573.73	0	1,300.91	0	1,028.09	0	759.00	0	489.68	0	216.02	0		0		0		0	
1/4	1,568.05	1/4	1,295.23	1/4	1,022.40	1/4	753.51	1/4	483.98	1/4	210.32	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,562.36	1/2	1,289.54	1/2	1,016.72	1/2	748.03	1/2	478.28	1/2	204.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,556.68	3/4	1,283.86	3/4	1,011.04	3/4	742.54	3/4	472.58	3/4	198.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,551.00	1	1,278.17	1	1,005.35	1	737.06	1	466.88	1	193.21	1	1	1	1	1	1	1	1
1/4	1,545.31	1/4	1,272.49	1/4	999.67	1/4	731.57	1/4	461.18	1/4	187.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,539.63	1/2	1,266.81	1/2	993.98	1/2	726.08	1/2	455.48	1/2	181.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,533.95	3/4	1,261.12	3/4	988.30	3/4	720.60	3/4	449.77	3/4	176.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,528.26	2	1,255.44	2	982.62	2	715.11	2	444.07	2	170.41	2	2	2	2	2	2	2	2
1/4	1,522.58	1/4	1,249.76	1/4	976.93	1/4	709.63	1/4	438.37	1/4	164.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,516.89	1/2	1,244.07	1/2	971.25	1/2	704.14	1/2	432.67	1/2	159.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,511.21	3/4	1,238.39	3/4	965.57	3/4	698.66	3/4	426.97	3/4	153.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,505.53	3	1,232.70	3	959.88	3	693.17	3	421.27	3	147.60	3	3	3	3	3	3	3	3
1/4	1,499.84	1/4	1,227.02	1/4	954.20	1/4	687.68	1/4	415.57	1/4	141.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,494.16	1/2	1,221.34	1/2	948.51	1/2	682.18	1/2	409.86	1/2	136.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,488.48	3/4	1,215.66	3/4	942.83	3/4	676.68	3/4	404.16	3/4	130.50	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,482.79	4	1,209.97	4	937.15	4	671.17	4	398.46	4	124.79	4	4	4	4	4	4	4	4
1/4	1,477.11	1/4	1,204.29	1/4	931.46	1/4	665.67	1/4	392.76	1/4	119.09	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,471.42	1/2	1,198.60	1/2	925.78	1/2	660.07	1/2	387.06	1/2	113.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,465.74	3/4	1,192.92	3/4	920.09	3/4	654.47	3/4	381.36	3/4	107.69	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,460.06	5	1,187.23	5	914.41	5	648.88	5	375.66	5	101.99	5	5	5	5	5	5	5	5
1/4	1,454.37	1/4	1,181.55	1/4	908.73	1/4	643.28	1/4	369.95	1/4	96.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,448.69	1/2	1,175.87	1/2	903.04	1/2	637.61	1/2	364.25	1/2	90.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,443.00	3/4	1,170.18	3/4	897.36	3/4	631.94	3/4	358.55	3/4	84.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,437.32	6	1,164.50	6	891.68	6	626.26	6	352.85	6	79.21	6	6	6	6	6	6	6	6
1/4	1,431.64	1/4	1,158.81	1/4	885.99	1/4	620.59	1/4	347.15	1/4	73.52	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,425.95	1/2	1,153.13	1/2	880.30	1/2	614.91	1/2	341.45	1/2	67.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,420.27	3/4	1,147.45	3/4	874.77	3/4	609.23	3/4	335.75	3/4	62.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,414.59	7	1,141.76	7	869.16	7	603.55	7	330.05	7	56.51	7	7	7	7	7	7	7	7
1/4	1,408.90	1/4	1,136.08	1/4	863.55	1/4	597.87	1/4	324.34	1/4	50.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,403.22	1/2	1,130.40	1/2	858.02	1/2	592.18	1/2	318.64	1/2	45.14	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,397.53	3/4	1,124.71	3/4	852.50	3/4	586.48	3/4	312.94	3/4	40.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,391.85	8	1,119.03	8	846.96	8	580.80	8	307.24	8	35.24	8	8	8	8	8	8	8	8
1/4	1,386.17	1/4	1,113.34	1/4	841.46	1/4	575.11	1/4	301.54	1/4	30.04	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,380.48	1/2	1,107.66	1/2	835.96	1/2	569.42	1/2	295.84	1/2	25.24	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,374.80	3/4	1,101.98	3/4	830.45	3/4	563.73	3/4	290.14	3/4	22.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,369.12	9	1,096.29	9	824.95	9	558.04	9	284.43	9	18.64	9	9	9	9	9	9	9	9
1/4	1,363.43	1/4	1,090.61	1/4	819.44	1/4	552.35	1/4	278.73	1/4	14.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,357.75	1/2	1,084.93	1/2	813.94	1/2	546.86	1/2	273.03	1/2	12.94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,352.06	3/4	1,079.24	3/4	808.44	3/4	540.97	3/4	267.33	3/4	11.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,346.38	10	1,073.56	10	802.93	10	535.27	10	261.63	10	9.14	10	10	10	10	10	10	10	10
1/4	1,340.70	1/4	1,067.87	1/4	797.43	1/4	529.58	1/4	255.93	1/4	7.24	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,335.01	1/2	1,062.19	1/2	791.94	1/2	523.88	1/2	250.23	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,329.33	3/4	1,056.51	3/4	786.44	3/4	518.18	3/4	244.52	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,323.64	11	1,050.82	11	780.96	11	512.49	11	238.82	11		11	11	11	11	11	11	11	11
1/4	1,317.96	1/4	1,045.14	1/4	775.46	1/4	506.79	1/4	233.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,312.28	1/2	1,039.45	1/2	769.97	1/2	501.09	1/2	227.42	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,306.59	3/4	1,033.77	3/4	764.48	3/4	495.39	3/4	221.72	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2018 CL
CALCULATED: 12/11/2018 CL
PRINTED: 12/11/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2018

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



BARGE "HFL 200S"

2 CENTER ULLAGE TABLE

GAUGE HEIGHT 15'-10 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

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	3,418.88	0	3,170.92	0	2,922.96	0	2,675.00	0	2,427.04	0	2,179.09	0	1,931.13	0	1,683.17		
1/4		1/4		1/4	3,413.71	1/4	3,165.75	1/4	2,917.79	1/4	2,669.84	1/4	2,421.88	1/4	2,173.92	1/4	1,925.96	1/4	1,678.00		
1/2		1/2		1/2	3,408.55	1/2	3,160.59	1/2	2,912.63	1/2	2,664.67	1/2	2,416.71	1/2	2,168.75	1/2	1,920.80	1/2	1,672.84		
3/4		3/4		3/4	3,403.38	3/4	3,155.42	3/4	2,907.46	3/4	2,659.50	3/4	2,411.55	3/4	2,163.59	3/4	1,915.63	3/4	1,667.67		
1		1		1	3,398.21	1	3,150.26	1	2,902.30	1	2,654.34	1	2,406.38	1	2,158.42	1	1,910.46	1	1,662.51		
1/4		1/4		1/4	3,393.05	1/4	3,145.09	1/4	2,897.13	1/4	2,649.17	1/4	2,401.21	1/4	2,153.26	1/4	1,905.30	1/4	1,657.34		
1/2		1/2		1/2	3,387.88	1/2	3,139.92	1/2	2,891.97	1/2	2,644.01	1/2	2,396.05	1/2	2,148.09	1/2	1,900.13	1/2	1,652.17		
3/4		3/4		3/4	3,382.72	3/4	3,134.76	3/4	2,886.80	3/4	2,638.84	3/4	2,390.88	3/4	2,142.92	3/4	1,894.97	3/4	1,647.01		
2		2		2	3,377.55	2	3,129.59	2	2,881.63	2	2,633.68	2	2,385.72	2	2,137.76	2	1,889.80	2	1,641.84		
1/4		1/4		1/4	3,372.39	1/4	3,124.43	1/4	2,876.47	1/4	2,628.51	1/4	2,380.56	1/4	2,132.59	1/4	1,884.63	1/4	1,636.68		
1/2		1/2		1/2	3,367.22	1/2	3,119.26	1/2	2,871.30	1/2	2,623.34	1/2	2,375.39	1/2	2,127.43	1/2	1,879.47	1/2	1,631.51		
3/4		3/4		3/4	3,362.06	3/4	3,114.10	3/4	2,866.14	3/4	2,618.18	3/4	2,370.22	3/4	2,122.26	3/4	1,874.30	3/4	1,626.34		
3		3		3	3,356.89	3	3,108.93	3	2,860.97	3	2,613.01	3	2,365.05	3	2,117.10	3	1,869.14	3	1,621.18		
1/4		1/4		1/4	3,568.42	1/4	3,361.72	1/4	3,103.76	1/4	2,855.81	1/4	2,607.85	1/4	2,359.89	1/4	2,111.93	1/4	1,863.97	1/4	1,616.01
1/2		1/2		1/2	3,567.56	1/2	3,346.98	1/2	3,098.60	1/2	2,850.64	1/2	2,602.68	1/2	2,354.72	1/2	2,106.76	1/2	1,858.81	1/2	1,610.85
3/4		3/4		3/4	3,566.69	3/4	3,341.39	3/4	3,093.43	3/4	2,845.47	3/4	2,597.52	3/4	2,349.56	3/4	2,101.60	3/4	1,853.64	3/4	1,605.68
4		4		4	3,564.97	4	3,336.22	4	3,088.27	4	2,840.31	4	2,592.35	4	2,344.39	4	2,096.43	4	1,848.47	4	1,600.52
1/4		1/4		1/4	3,563.25	1/4	3,331.06	1/4	3,083.10	1/4	2,835.14	1/4	2,587.18	1/4	2,339.23	1/4	2,091.27	1/4	1,843.31	1/4	1,595.35
1/2		1/2		1/2	3,561.53	1/2	3,325.89	1/2	3,077.93	1/2	2,829.98	1/2	2,582.02	1/2	2,334.06	1/2	2,086.10	1/2	1,838.14	1/2	1,590.18
3/4		3/4		3/4	3,559.81	3/4	3,320.73	3/4	3,072.77	3/4	2,824.81	3/4	2,576.85	3/4	2,328.99	3/4	2,080.94	3/4	1,832.98	3/4	1,585.02
5		5		5	3,556.36	5	3,315.56	5	3,067.60	5	2,819.64	5	2,571.69	5	2,323.73	5	2,075.77	5	1,827.81	5	1,579.85
1/4		1/4		1/4	3,552.92	1/4	3,310.40	1/4	3,062.44	1/4	2,814.48	1/4	2,566.52	1/4	2,318.56	1/4	2,070.60	1/4	1,822.65	1/4	1,574.69
1/2		1/2		1/2	3,549.48	1/2	3,305.23	1/2	3,057.27	1/2	2,809.31	1/2	2,561.35	1/2	2,313.40	1/2	2,065.44	1/2	1,817.48	1/2	1,569.52
3/4		3/4		3/4	3,546.04	3/4	3,300.06	3/4	3,052.11	3/4	2,804.15	3/4	2,556.19	3/4	2,308.23	3/4	2,060.27	3/4	1,812.31	3/4	1,564.36
6		6		6	3,541.32	6	3,294.90	6	3,046.94	6	2,798.98	6	2,551.02	6	2,303.06	6	2,055.11	6	1,807.15	6	1,559.19
1/4		1/4		1/4	3,536.61	1/4	3,289.73	1/4	3,041.77	1/4	2,793.82	1/4	2,545.86	1/4	2,297.90	1/4	2,049.94	1/4	1,801.98	1/4	1,554.02
1/2		1/2		1/2	3,531.90	1/2	3,284.57	1/2	3,036.61	1/2	2,788.65	1/2	2,540.69	1/2	2,292.73	1/2	2,044.77	1/2	1,796.82	1/2	1,548.86
3/4		3/4		3/4	3,527.19	3/4	3,279.40	3/4	3,031.44	3/4	2,783.48	3/4	2,535.53	3/4	2,287.57	3/4	2,039.61	3/4	1,791.65	3/4	1,543.69
7		7		7	3,522.05	7	3,274.24	7	3,026.28	7	2,778.32	7	2,530.36	7	2,282.40	7	2,034.44	7	1,786.48	7	1,538.53
1/4		1/4		1/4	3,516.91	1/4	3,269.07	1/4	3,021.11	1/4	2,773.15	1/4	2,525.19	1/4	2,277.24	1/4	2,029.28	1/4	1,781.32	1/4	1,533.36
1/2		1/2		1/2	3,511.78	1/2	3,263.90	1/2	3,015.95	1/2	2,767.99	1/2	2,520.03	1/2	2,272.07	1/2	2,024.11	1/2	1,776.15	1/2	1,528.19
3/4		3/4		3/4	3,506.64	3/4	3,258.74	3/4	3,010.78	3/4	2,762.82	3/4	2,514.86	3/4	2,266.90	3/4	2,018.95	3/4	1,770.99	3/4	1,523.03
8		8		8	3,501.48	8	3,253.57	8	3,005.61	8	2,757.66	8	2,509.70	8	2,261.74	8	2,013.78	8	1,765.82	8	1,517.86
1/4		1/4		1/4	3,496.32	1/4	3,248.41	1/4	3,000.45	1/4	2,752.49	1/4	2,504.53	1/4	2,256.57	1/4	2,008.61	1/4	1,760.66	1/4	1,512.70
1/2		1/2		1/2	3,491.16	1/2	3,243.24	1/2	2,995.28	1/2	2,747.32	1/2	2,499.37	1/2	2,251.41	1/2	2,003.45	1/2	1,755.49	1/2	1,507.53
3/4		3/4		3/4	3,486.01	3/4	3,238.07	3/4	2,990.12	3/4	2,742.16	3/4	2,494.20	3/4	2,246.24	3/4	1,998.28	3/4	1,750.32	3/4	1,502.37
9		9		9	3,480.85	9	3,232.91	9	2,984.95	9	2,736.99	9	2,489.03	9	2,241.08	9	1,993.12	9	1,745.16	9	1,497.20
1/4		1/4		1/4	3,475.69	1/4	3,227.74	1/4	2,979.78	1/4	2,731.83	1/4	2,483.87	1/4	2,235.91	1/4	1,987.95	1/4	1,739.99	1/4	1,492.03
1/2		1/2		1/2	3,470.53	1/2	3,222.58	1/2	2,974.62	1/2	2,726.66	1/2	2,478.70	1/2	2,230.74	1/2	1,982.79	1/2	1,734.83	1/2	1,486.87
3/4		3/4		3/4	3,465.37	3/4	3,217.41	3/4	2,969.45	3/4	2,721.49	3/4	2,473.54	3/4	2,225.58	3/4	1,977.62	3/4	1,729.66	3/4	1,481.70
10		10		10	3,460.20	10	3,212.25	10	2,964.29	10	2,716.33	10	2,468.37	10	2,220.41	10	1,972.45	10	1,724.50	10	1,476.54
1/4		1/4		1/4	3,455.04	1/4	3,207.08	1/4	2,959.12	1/4	2,711.16	1/4	2,463.20	1/4	2,215.25	1/4	1,967.29	1/4	1,719.33	1/4	1,471.37
1/2		1/2		1/2	3,449.87	1/2	3,201.91	1/2	2,953.96	1/2	2,706.00	1/2	2,458.04	1/2	2,210.08	1/2	1,962.12	1/2	1,714.16	1/2	1,466.21
3/4		3/4		3/4	3,444.71	3/4	3,196.75	3/4	2,948.79	3/4	2,700.83	3/4	2,452.87	3/4	2,204.91	3/4	1,956.96	3/4	1,709.00	3/4	1,461.04
11		11		11	3,439.54	11	3,191.58	11	2,943.62	11	2,695.67	11	2,447.71	11	2,199.75	11	1,951.79	11	1,703.83	11	1,455.87
1/4		1/4		1/4	3,434.38	1/4	3,186.42	1/4	2,938.46	1/4	2,690.50	1/4	2,442.54	1/4	2,194.58	1/4	1,946.62	1/4	1,698.67	1/4	1,450.71
1/2		1/2		1/2	3,429.21	1/2	3,181.25	1/2	2,933.29	1/2	2,685.33	1/2	2,437.38	1/2	2,189.42	1/2	1,941.46	1/2	1,693.50	1/2	1,445.54
3/4		3/4		3/4	3,424.04	3/4	3,176.08	3/4	2,928.13	3/4	2,680.17	3/4	2,432.21	3/4	2,184.25	3/4	1,936.29	3/4	1,688.33	3/4	1,440.38

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 TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 29'-06" FORWARD OF AFT BULKHEAD

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



BARGE "HFL 200S"

2 CENTER ULLAGE TABLE

GAUGE HEIGHT 15'-10 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,435.21	0	1,187.25	0	939.29	0	694.37	0	448.78	0	201.83	0	0	0	0	0	0	0	0
1/4	1,430.04	1/4	1,182.09	1/4	934.13	1/4	689.37	1/4	444.61	1/4	196.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,424.88	1/2	1,176.92	1/2	928.96	1/2	684.36	1/2	439.45	1/2	191.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,419.71	3/4	1,171.75	3/4	923.80	3/4	679.36	3/4	434.28	3/4	186.34	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,414.55	1	1,166.59	1	918.63	1	674.36	1	429.12	1	181.17	1	1	1	1	1	1	1	1
1/4	1,409.38	1/4	1,161.42	1/4	913.46	1/4	669.35	1/4	423.95	1/4	176.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,404.22	1/2	1,156.26	1/2	908.30	1/2	664.35	1/2	418.78	1/2	170.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,399.05	3/4	1,151.09	3/4	903.13	3/4	659.35	3/4	413.62	3/4	165.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,393.88	2	1,145.93	2	897.97	2	654.34	2	408.45	2	160.51	2	2	2	2	2	2	2	2
1/4	1,388.72	1/4	1,140.76	1/4	892.80	1/4	649.34	1/4	403.29	1/4	155.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,383.55	1/2	1,135.59	1/2	887.64	1/2	644.33	1/2	398.12	1/2	150.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,378.39	3/4	1,130.43	3/4	882.47	3/4	639.33	3/4	392.96	3/4	145.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,373.22	3	1,125.26	3	877.30	3	634.33	3	387.79	3	139.85	3	3	3	3	3	3	3	3
1/4	1,368.05	1/4	1,120.10	1/4	872.14	1/4	629.32	1/4	382.63	1/4	134.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,362.89	1/2	1,114.93	1/2	866.97	1/2	624.32	1/2	377.46	1/2	129.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,357.72	3/4	1,109.76	3/4	861.81	3/4	619.32	3/4	372.30	3/4	124.35	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,352.56	4	1,104.60	4	856.64	4	614.31	4	367.13	4	119.19	4	4	4	4	4	4	4	4
1/4	1,347.39	1/4	1,099.43	1/4	851.47	1/4	609.30	1/4	361.96	1/4	114.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,342.23	1/2	1,094.27	1/2	846.31	1/2	604.29	1/2	356.80	1/2	108.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,337.06	3/4	1,089.10	3/4	841.14	3/4	599.28	3/4	351.63	3/4	103.69	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,331.89	5	1,083.94	5	835.98	5	594.19	5	346.47	5	98.52	5	5	5	5	5	5	5	5
1/4	1,326.73	1/4	1,078.77	1/4	830.81	1/4	589.10	1/4	341.30	1/4	93.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,321.56	1/2	1,073.60	1/2	825.65	1/2	584.01	1/2	336.14	1/2	88.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,316.40	3/4	1,068.44	3/4	820.48	3/4	578.92	3/4	330.97	3/4	83.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,311.23	6	1,063.27	6	815.31	6	573.75	6	325.81	6	77.87	6	6	6	6	6	6	6	6
1/4	1,306.07	1/4	1,058.11	1/4	810.15	1/4	568.58	1/4	320.64	1/4	72.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,300.90	1/2	1,052.94	1/2	804.98	1/2	563.42	1/2	315.47	1/2	67.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,295.73	3/4	1,047.78	3/4	799.82	3/4	558.25	3/4	310.31	3/4	62.40	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,290.57	7	1,042.61	7	794.73	7	553.09	7	305.14	7	57.26	7	7	7	7	7	7	7	7
1/4	1,285.40	1/4	1,037.44	1/4	789.64	1/4	547.92	1/4	299.98	1/4	52.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,280.24	1/2	1,032.28	1/2	784.55	1/2	542.76	1/2	294.81	1/2	46.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,275.07	3/4	1,027.11	3/4	779.46	3/4	537.59	3/4	289.65	3/4	41.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,269.90	8	1,021.95	8	774.45	8	532.43	8	284.48	8	37.14	8	8	8	8	8	8	8	8
1/4	1,264.74	1/4	1,016.78	1/4	769.44	1/4	527.26	1/4	279.32	1/4	32.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,259.57	1/2	1,011.61	1/2	764.43	1/2	522.09	1/2	274.15	1/2	27.72	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,254.41	3/4	1,006.45	3/4	759.42	3/4	516.93	3/4	268.98	3/4	23.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,249.24	9	1,001.28	9	754.42	9	511.76	9	263.82	9	19.56	9	9	9	9	9	9	9	9
1/4	1,244.08	1/4	996.12	1/4	749.41	1/4	506.60	1/4	258.65	1/4	16.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,238.91	1/2	990.95	1/2	744.41	1/2	501.43	1/2	253.49	1/2	12.68	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,233.74	3/4	985.79	3/4	739.40	3/4	496.27	3/4	248.32	3/4	9.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,228.58	10	980.62	10	734.40	10	491.10	10	243.16	10	7.51	10	10	10	10	10	10	10	10
1/4	1,223.41	1/4	975.45	1/4	729.40	1/4	486.94	1/4	237.99	1/4	5.79	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,218.25	1/2	970.29	1/2	724.39	1/2	480.77	1/2	232.83	1/2	4.07	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,213.08	3/4	965.12	3/4	719.38	3/4	475.61	3/4	227.66	3/4	2.35	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,207.92	11	959.96	11	714.39	11	470.44	11	222.50	11	1.11	11	11	11	11	11	11	11	11
1/4	1,202.75	1/4	954.79	1/4	709.38	1/4	465.27	1/4	217.33	1/4	1.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,197.58	1/2	949.63	1/2	704.38	1/2	460.11	1/2	212.16	1/2	1.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,192.42	3/4	944.46	3/4	699.37	3/4	454.94	3/4	207.00	3/4	1.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/19/2018 CL
CALCULATED: 12/11/2018 CL
PRINTED: 12/11/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2018

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



BARGE "HFL 200S"

3 CENTER ULLAGE TABLE

GUAGE HEIGHT 16'-00 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 28'-00" FORWARD OF AFT BULKHEAD

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





BARGE "HFL 200S"

3 CENTER ULLAGE TABLE

GUAGE HEIGHT 16'-00 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,466.29	0	1,219.29	0	972.28	0	725.48	0	478.93	0	231.94	0	4.06	0		0		0	
1/4	1,461.15	1/4	1,214.14	1/4	967.14	1/4	720.35	1/4	473.78	1/4	226.79	1/4	2.34	1/4		1/4		1/4	
1/2	1,456.00	1/2	1,209.00	1/2	961.99	1/2	715.22	1/2	468.64	1/2	221.65	1/2		1/2		1/2		1/2	
3/4	1,450.85	3/4	1,203.85	3/4	956.85	3/4	710.09	3/4	463.49	3/4	216.50	3/4		3/4		3/4		3/4	
1	1,445.71	1	1,198.70	1	951.70	1	704.97	1	458.35	1	211.35	1		1		1		1	
1/4	1,440.56	1/4	1,193.56	1/4	946.56	1/4	699.84	1/4	453.20	1/4	206.21	1/4		1/4		1/4		1/4	
1/2	1,435.42	1/2	1,188.41	1/2	941.41	1/2	694.71	1/2	448.06	1/2	201.06	1/2		1/2		1/2		1/2	
3/4	1,430.27	3/4	1,183.27	3/4	936.26	3/4	689.58	3/4	442.91	3/4	195.92	3/4		3/4		3/4		3/4	
2	1,425.12	2	1,178.12	2	931.12	2	684.46	2	437.76	2	190.77	2		2		2		2	
1/4	1,419.98	1/4	1,172.97	1/4	926.97	1/4	679.33	1/4	432.62	1/4	185.63	1/4		1/4		1/4		1/4	
1/2	1,414.83	1/2	1,167.83	1/2	920.83	1/2	674.20	1/2	427.47	1/2	180.48	1/2		1/2		1/2		1/2	
3/4	1,409.69	3/4	1,162.68	3/4	915.68	3/4	669.07	3/4	422.33	3/4	175.33	3/4		3/4		3/4		3/4	
3	1,404.54	3	1,157.54	3	910.53	3	663.95	3	417.18	3	170.19	3		3		3		3	
1/4	1,399.39	1/4	1,152.39	1/4	905.39	1/4	658.82	1/4	412.04	1/4	165.04	1/4		1/4		1/4		1/4	
1/2	1,394.25	1/2	1,147.25	1/2	900.24	1/2	653.69	1/2	406.89	1/2	159.90	1/2		1/2		1/2		1/2	
3/4	1,389.10	3/4	1,142.10	3/4	895.10	3/4	648.56	3/4	401.74	3/4	154.75	3/4		3/4		3/4		3/4	
4	1,383.96	4	1,136.95	4	889.95	4	643.44	4	396.60	4	149.61	4		4		4		4	
1/4	1,378.81	1/4	1,131.81	1/4	884.80	1/4	638.31	1/4	391.45	1/4	144.46	1/4		1/4		1/4		1/4	
1/2	1,373.66	1/2	1,126.66	1/2	879.66	1/2	633.18	1/2	386.31	1/2	139.31	1/2		1/2		1/2		1/2	
3/4	1,368.52	3/4	1,121.52	3/4	874.51	3/4	628.06	3/4	381.16	3/4	134.17	3/4		3/4		3/4		3/4	
5	1,363.37	5	1,116.37	5	869.37	5	622.93	5	376.02	5	129.02	5		5		5		5	
1/4	1,358.23	1/4	1,111.22	1/4	864.22	1/4	617.80	1/4	370.87	1/4	123.86	1/4		1/4		1/4		1/4	
1/2	1,353.08	1/2	1,106.08	1/2	859.07	1/2	612.67	1/2	365.72	1/2	118.73	1/2		1/2		1/2		1/2	
3/4	1,347.94	3/4	1,100.93	3/4	853.93	3/4	607.53	3/4	360.58	3/4	113.59	3/4		3/4		3/4		3/4	
6	1,342.79	6	1,095.79	6	848.78	6	602.40	6	355.43	6	108.44	6		6		6		6	
1/4	1,337.64	1/4	1,090.64	1/4	843.64	1/4	597.27	1/4	350.29	1/4	103.29	1/4		1/4		1/4		1/4	
1/2	1,332.50	1/2	1,085.49	1/2	838.49	1/2	592.13	1/2	345.14	1/2	98.15	1/2		1/2		1/2		1/2	
3/4	1,327.35	3/4	1,080.35	3/4	833.35	3/4	586.98	3/4	340.00	3/4	93.00	3/4		3/4		3/4		3/4	
7	1,322.21	7	1,075.20	7	828.20	7	581.84	7	334.85	7	87.86	7		7		7		7	
1/4	1,317.06	1/4	1,070.06	1/4	823.05	1/4	576.70	1/4	329.70	1/4	82.71	1/4		1/4		1/4		1/4	
1/2	1,311.91	1/2	1,064.91	1/2	817.91	1/2	571.55	1/2	324.56	1/2	77.58	1/2		1/2		1/2		1/2	
3/4	1,306.77	3/4	1,059.77	3/4	812.76	3/4	566.41	3/4	319.41	3/4	72.44	3/4		3/4		3/4		3/4	
8	1,301.62	8	1,054.62	8	807.62	8	561.26	8	314.27	8	67.30	8		8		8		8	
1/4	1,296.48	1/4	1,049.47	1/4	802.47	1/4	556.12	1/4	309.12	1/4	62.16	1/4		1/4		1/4		1/4	
1/2	1,291.33	1/2	1,044.33	1/2	797.33	1/2	550.97	1/2	303.98	1/2	57.04	1/2		1/2		1/2		1/2	
3/4	1,286.18	3/4	1,039.18	3/4	792.19	3/4	545.82	3/4	298.83	3/4	51.93	3/4		3/4		3/4		3/4	
9	1,281.04	9	1,034.04	9	787.04	9	540.68	9	293.68	9	46.81	9		9		9		9	
1/4	1,275.89	1/4	1,028.89	1/4	781.90	1/4	535.53	1/4	288.54	1/4	41.69	1/4		1/4		1/4		1/4	
1/2	1,270.75	1/2	1,023.74	1/2	776.77	1/2	530.39	1/2	283.39	1/2	37.00	1/2		1/2		1/2		1/2	
3/4	1,265.60	3/4	1,018.60	3/4	771.63	3/4	525.24	3/4	278.25	3/4	32.31	3/4		3/4		3/4		3/4	
10	1,260.46	10	1,013.45	10	766.50	10	520.10	10	273.10	10	27.61	10		10		10		10	
1/4	1,255.31	1/4	1,008.31	1/4	761.37	1/4	514.95	1/4	267.96	1/4	22.92	1/4		1/4		1/4		1/4	
1/2	1,250.16	1/2	1,003.16	1/2	756.24	1/2	509.80	1/2	262.81	1/2	19.49	1/2		1/2		1/2		1/2	
3/4	1,245.02	3/4	998.01	3/4	751.11	3/4	504.66	3/4	257.67	3/4	16.06	3/4		3/4		3/4		3/4	
11	1,239.87	11	992.87	11	746.99	11	499.51	11	252.52	11	12.63	11		11		11		11	
1/4	1,234.73	1/4	987.72	1/4	740.86	1/4	494.37	1/4	247.37	1/4	9.20	1/4		1/4		1/4		1/4	
1/2	1,229.58	1/2	982.58	1/2	735.73	1/2	489.22	1/2	242.23	1/2	7.49	1/2		1/2		1/2		1/2	
3/4	1,224.43	3/4	977.43	3/4	730.60	3/4	484.08	3/4	237.08	3/4	5.77	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2018 CL
CALCULATED: 12/11/2018 CL
PRINTED: 12/11/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2018

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Pearland, Texas 77588
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