



BARGE "HFL 216S"

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	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
2 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
3 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	00-3/8	- 00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 162'-03"

June 17, 2021

PRECISION MEASUREMENT
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BARGE "HFL 216S"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-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	0.94	0	217.88	0	461.39	0	707.41	0	954.99	0	1,202.58	0	1,450.16	0	1,697.74	0	1,945.33	0	2,192.91
1/4	1.80	1/4	223.01	1/4	466.42	1/4	712.57	1/4	960.15	1/4	1,207.73	1/4	1,455.32	1/4	1,702.90	1/4	1,950.48	1/4	2,198.07
1/2	2.66	1/2	228.15	1/2	471.46	1/2	717.73	1/2	965.31	1/2	1,212.89	1/2	1,460.47	1/2	1,708.06	1/2	1,955.64	1/2	2,203.23
3/4	3.52	3/4	233.29	3/4	476.50	3/4	722.89	3/4	970.47	3/4	1,218.05	3/4	1,465.63	3/4	1,713.22	3/4	1,960.80	3/4	2,208.39
1	4.38	1	238.42	1	481.54	1	728.04	1	975.62	1	1,223.21	1	1,470.79	1	1,718.37	1	1,965.96	1	2,213.54
1/4	6.97	1/4	243.54	1/4	486.57	1/4	733.20	1/4	980.78	1/4	1,228.37	1/4	1,475.95	1/4	1,723.53	1/4	1,971.12	1/4	2,218.70
1/2	9.55	1/2	248.66	1/2	491.61	1/2	738.36	1/2	985.94	1/2	1,233.52	1/2	1,481.11	1/2	1,728.69	1/2	1,976.27	1/2	2,223.86
3/4	12.14	3/4	253.78	3/4	496.65	3/4	743.52	3/4	991.10	3/4	1,238.68	3/4	1,486.26	3/4	1,733.85	3/4	1,981.43	3/4	2,229.02
2	14.72	2	258.90	2	501.69	2	748.68	2	996.26	2	1,243.84	2	1,491.42	2	1,739.01	2	1,986.59	2	2,234.18
1/4	19.03	1/4	264.03	1/4	506.73	1/4	753.83	1/4	1,001.41	1/4	1,249.00	1/4	1,496.58	1/4	1,744.16	1/4	1,991.75	1/4	2,239.34
1/2	23.34	1/2	269.17	1/2	511.76	1/2	758.99	1/2	1,006.57	1/2	1,254.16	1/2	1,501.74	1/2	1,749.32	1/2	1,996.91	1/2	2,244.49
3/4	27.65	3/4	274.30	3/4	516.80	3/4	764.15	3/4	1,011.73	3/4	1,259.31	3/4	1,506.90	3/4	1,754.48	3/4	2,002.06	3/4	2,249.65
3	31.95	3	279.44	3	521.84	3	769.31	3	1,016.89	3	1,264.47	3	1,512.05	3	1,759.64	3	2,007.22	3	2,254.81
1/4	37.08	1/4	284.57	1/4	526.88	1/4	774.47	1/4	1,022.05	1/4	1,269.63	1/4	1,517.21	1/4	1,764.80	1/4	2,012.38	1/4	2,259.97
1/2	42.21	1/2	289.71	1/2	531.91	1/2	779.62	1/2	1,027.20	1/2	1,274.79	1/2	1,522.37	1/2	1,769.95	1/2	2,017.54	1/2	2,265.13
3/4	47.33	3/4	294.84	3/4	536.95	3/4	784.78	3/4	1,032.36	3/4	1,279.95	3/4	1,527.53	3/4	1,775.11	3/4	2,022.70	3/4	2,270.29
4	52.46	4	299.98	4	541.99	4	789.94	4	1,037.52	4	1,285.10	4	1,532.69	4	1,780.27	4	2,027.85	4	2,275.45
1/4	57.62	1/4	305.09	1/4	547.16	1/4	795.10	1/4	1,042.68	1/4	1,290.26	1/4	1,537.84	1/4	1,785.43	1/4	2,033.01	1/4	2,280.60
1/2	62.77	1/2	310.21	1/2	552.33	1/2	800.26	1/2	1,047.84	1/2	1,295.42	1/2	1,543.00	1/2	1,790.59	1/2	2,038.17	1/2	2,285.76
3/4	67.93	3/4	315.32	3/4	557.50	3/4	805.41	3/4	1,052.99	3/4	1,300.58	3/4	1,548.16	3/4	1,795.74	3/4	2,043.33	3/4	2,290.92
5	73.09	5	320.44	5	562.67	5	810.57	5	1,058.15	5	1,305.74	5	1,553.32	5	1,800.90	5	2,048.49	5	2,296.08
1/4	78.26	1/4	325.56	1/4	567.84	1/4	815.73	1/4	1,063.31	1/4	1,310.89	1/4	1,558.48	1/4	1,806.06	1/4	2,053.64	1/4	2,301.24
1/2	83.43	1/2	330.67	1/2	573.01	1/2	820.89	1/2	1,068.47	1/2	1,316.05	1/2	1,563.63	1/2	1,811.22	1/2	2,058.80	1/2	2,306.40
3/4	88.60	3/4	335.79	3/4	578.18	3/4	826.04	3/4	1,073.63	3/4	1,321.21	3/4	1,568.79	3/4	1,816.38	3/4	2,063.96	3/4	2,311.55
6	93.77	6	340.90	6	583.34	6	831.20	6	1,078.78	6	1,326.37	6	1,573.95	6	1,821.53	6	2,069.12	6	2,316.71
1/4	98.94	1/4	345.93	1/4	588.51	1/4	836.36	1/4	1,083.94	1/4	1,331.52	1/4	1,579.11	1/4	1,826.69	1/4	2,074.28	1/4	2,321.87
1/2	104.11	1/2	350.97	1/2	593.68	1/2	841.52	1/2	1,089.10	1/2	1,336.68	1/2	1,584.27	1/2	1,831.85	1/2	2,079.43	1/2	2,327.02
3/4	109.28	3/4	356.00	3/4	598.85	3/4	846.68	3/4	1,094.26	3/4	1,341.84	3/4	1,589.42	3/4	1,837.01	3/4	2,084.59	3/4	2,332.17
7	114.45	7	361.03	7	604.02	7	851.83	7	1,099.42	7	1,347.00	7	1,594.58	7	1,842.17	7	2,089.75	7	2,337.33
1/4	119.62	1/4	366.06	1/4	609.19	1/4	856.99	1/4	1,104.57	1/4	1,352.16	1/4	1,599.74	1/4	1,847.32	1/4	2,094.91	1/4	2,342.48
1/2	124.80	1/2	371.09	1/2	614.36	1/2	862.15	1/2	1,109.73	1/2	1,357.31	1/2	1,604.90	1/2	1,852.48	1/2	2,100.07	1/2	2,347.63
3/4	129.97	3/4	376.12	3/4	619.53	3/4	867.31	3/4	1,114.89	3/4	1,362.47	3/4	1,610.06	3/4	1,857.64	3/4	2,105.22	3/4	2,352.79
8	135.14	8	381.15	8	624.70	8	872.47	8	1,120.05	8	1,367.63	8	1,615.21	8	1,862.80	8	2,110.38	8	2,357.94
1/4	140.31	1/4	386.15	1/4	629.87	1/4	877.62	1/4	1,125.21	1/4	1,372.79	1/4	1,620.37	1/4	1,867.96	1/4	2,115.54	1/4	2,363.10
1/2	145.48	1/2	391.15	1/2	635.04	1/2	882.78	1/2	1,130.36	1/2	1,377.95	1/2	1,625.53	1/2	1,873.11	1/2	2,120.70	1/2	2,368.25
3/4	150.65	3/4	396.15	3/4	640.21	3/4	887.94	3/4	1,135.52	3/4	1,383.10	3/4	1,630.69	3/4	1,878.27	3/4	2,125.86	3/4	2,373.40
9	155.82	9	401.15	9	645.38	9	893.10	9	1,140.68	9	1,388.26	9	1,635.85	9	1,883.43	9	2,131.01	9	2,378.56
1/4	160.99	1/4	406.15	1/4	650.55	1/4	898.26	1/4	1,145.84	1/4	1,393.42	1/4	1,641.00	1/4	1,888.59	1/4	2,136.17	1/4	2,383.71
1/2	166.16	1/2	411.16	1/2	655.72	1/2	903.41	1/2	1,151.00	1/2	1,398.58	1/2	1,646.16	1/2	1,893.75	1/2	2,141.33	1/2	2,388.86
3/4	171.34	3/4	416.16	3/4	660.89	3/4	908.57	3/4	1,156.15	3/4	1,403.74	3/4	1,651.32	3/4	1,898.90	3/4	2,146.49	3/4	2,394.02
10	176.51	10	421.16	10	666.06	10	913.73	10	1,161.31	10	1,408.89	10	1,656.48	10	1,904.06	10	2,151.65	10	2,399.17
1/4	181.68	1/4	426.18	1/4	671.23	1/4	918.89	1/4	1,166.47	1/4	1,414.05	1/4	1,661.64	1/4	1,909.22	1/4	2,156.80	1/4	2,404.33
1/2	186.85	1/2	431.20	1/2	676.40	1/2	924.04	1/2	1,171.63	1/2	1,419.21	1/2	1,666.79	1/2	1,914.38	1/2	2,161.96	1/2	2,409.48
3/4	192.02	3/4	436.22	3/4	681.57	3/4	929.20	3/4	1,176.79	3/4	1,424.37	3/4	1,671.95	3/4	1,919.54	3/4	2,167.12	3/4	2,414.63
11	197.19	11	441.24	11	686.73	11	934.36	11	1,181.94	11	1,429.53	11	1,677.11	11	1,924.69	11	2,172.28	11	2,419.79
1/4	202.36	1/4	446.27	1/4	691.90	1/4	939.52	1/4	1,187.10	1/4	1,434.68	1/4	1,682.27	1/4	1,929.85	1/4	2,177.44	1/4	2,424.94
1/2	207.53	1/2	451.31	1/2	697.07	1/2	944.68	1/2	1,192.26	1/2	1,439.84	1/2	1,687.43	1/2	1,935.01	1/2	2,182.59	1/2	2,430.09
3/4	212.70	3/4	456.35	3/4	702.24	3/4	949.83	3/4	1,197.42	3/4	1,445.00	3/4	1,692.58	3/4	1,940.17	3/4	2,187.75	3/4	2,435.25

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 "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "HFL 216S"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-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	2,440.40	0	2,685.44	0	2,902.79	0	3,120.14	0	3,337.49	0		0		0		0		0	
1/4	2,445.56	1/4	2,689.97	1/4	2,907.32	1/4	3,124.67	1/4	3,342.01	1/4		1/4		1/4		1/4		1/4	
1/2	2,450.72	1/2	2,694.50	1/2	2,911.84	1/2	3,129.19	1/2	3,346.54	1/2		1/2		1/2		1/2		1/2	
3/4	2,455.87	3/4	2,699.02	3/4	2,916.37	3/4	3,133.72	3/4	3,351.07	3/4		3/4		3/4		3/4		3/4	
1	2,461.03	1	2,703.55	1	2,920.90	1	3,138.25	1	3,355.60	1		1		1		1		1	
1/4	2,466.19	1/4	2,708.08	1/4	2,925.43	1/4	3,142.78	1/4	3,360.13	1/4		1/4		1/4		1/4		1/4	
1/2	2,471.35	1/2	2,712.61	1/2	2,929.96	1/2	3,147.31	1/2	3,364.65	1/2		1/2		1/2		1/2		1/2	
3/4	2,476.50	3/4	2,717.14	3/4	2,934.49	3/4	3,151.83	3/4	3,369.18	3/4		3/4		3/4		3/4		3/4	
2	2,481.66	2	2,721.66	2	2,939.01	2	3,156.36	2	3,373.71	2		2		2		2		2	
1/4	2,486.82	1/4	2,726.19	1/4	2,943.54	1/4	3,160.89	1/4	3,378.24	1/4		1/4		1/4		1/4		1/4	
1/2	2,491.97	1/2	2,730.72	1/2	2,948.07	1/2	3,165.42	1/2	3,382.77	1/2		1/2		1/2		1/2		1/2	
3/4	2,497.13	3/4	2,735.25	3/4	2,952.60	3/4	3,169.95	3/4	3,387.30	3/4		3/4		3/4		3/4		3/4	
3	2,502.29	3	2,739.78	3	2,957.13	3	3,174.47	3	3,391.82	3		3		3		3		3	
1/4	2,507.45	1/4	2,744.31	1/4	2,961.65	1/4	3,179.00	1/4	3,396.35	1/4		1/4		1/4		1/4		1/4	
1/2	2,512.60	1/2	2,748.83	1/2	2,966.18	1/2	3,183.53	1/2	3,400.88	1/2		1/2		1/2		1/2		1/2	
3/4	2,517.76	3/4	2,753.36	3/4	2,970.71	3/4	3,188.06	3/4	3,405.41	3/4		3/4		3/4		3/4		3/4	
4	2,522.92	4	2,757.89	4	2,975.24	4	3,192.59	4	3,409.94	4		4		4		4		4	
1/4	2,528.08	1/4	2,762.42	1/4	2,979.77	1/4	3,197.12	1/4	3,414.45	1/4		1/4		1/4		1/4		1/4	
1/2	2,533.23	1/2	2,766.95	1/2	2,984.29	1/2	3,201.64	1/2	3,418.96	1/2		1/2		1/2		1/2		1/2	
3/4	2,538.39	3/4	2,771.47	3/4	2,988.82	3/4	3,206.17	3/4	3,423.47	3/4		3/4		3/4		3/4		3/4	
5	2,543.55	5	2,776.00	5	2,993.35	5	3,210.70	5	3,427.98	5		5		5		5		5	
1/4	2,548.70	1/4	2,780.53	1/4	2,997.88	1/4	3,215.23	1/4	3,431.65	1/4		1/4		1/4		1/4		1/4	
1/2	2,553.86	1/2	2,785.06	1/2	3,002.41	1/2	3,219.76	1/2	3,435.31	1/2		1/2		1/2		1/2		1/2	
3/4	2,559.02	3/4	2,789.59	3/4	3,006.93	3/4	3,224.28	3/4	3,438.98	3/4		3/4		3/4		3/4		3/4	
6	2,564.18	6	2,794.11	6	3,011.46	6	3,228.81	6	3,442.64	6		6		6		6		6	
1/4	2,569.33	1/4	2,798.64	1/4	3,015.99	1/4	3,233.34	1/4	3,444.59	1/4		1/4		1/4		1/4		1/4	
1/2	2,574.49	1/2	2,803.17	1/2	3,020.52	1/2	3,237.87	1/2	3,446.53	1/2		1/2		1/2		1/2		1/2	
3/4	2,579.65	3/4	2,807.70	3/4	3,025.05	3/4	3,242.40	3/4	3,448.47	3/4		3/4		3/4		3/4		3/4	
7	2,584.81	7	2,812.23	7	3,029.58	7	3,246.92	7	3,450.41	7		7		7		7		7	
1/4	2,589.96	1/4	2,816.75	1/4	3,034.10	1/4	3,251.45	1/4	3,450.63	1/4		1/4		1/4		1/4		1/4	
1/2	2,595.12	1/2	2,821.28	1/2	3,038.63	1/2	3,255.98	1/2	3,450.85	1/2		1/2		1/2		1/2		1/2	
3/4	2,600.28	3/4	2,825.81	3/4	3,043.16	3/4	3,260.51	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,605.43	8	2,830.34	8	3,047.69	8	3,265.04	8		8		8		8		8		8	
1/4	2,610.59	1/4	2,834.87	1/4	3,052.22	1/4	3,269.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,615.75	1/2	2,839.40	1/2	3,056.74	1/2	3,274.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,620.91	3/4	2,843.92	3/4	3,061.27	3/4	3,278.62	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,626.06	9	2,848.45	9	3,065.80	9	3,283.15	9		9		9		9		9		9	
1/4	2,631.22	1/4	2,852.98	1/4	3,070.33	1/4	3,287.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,636.38	1/2	2,857.51	1/2	3,074.86	1/2	3,292.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,641.54	3/4	2,862.04	3/4	3,079.38	3/4	3,296.73	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,646.69	10	2,866.56	10	3,083.91	10	3,301.26	10		10		10		10		10		10	
1/4	2,651.85	1/4	2,871.09	1/4	3,088.44	1/4	3,305.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,657.01	1/2	2,875.62	1/2	3,092.97	1/2	3,310.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,662.17	3/4	2,880.15	3/4	3,097.50	3/4	3,314.85	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,667.33	11	2,884.68	11	3,102.02	11	3,319.37	11		11		11		11		11		11	
1/4	2,671.86	1/4	2,889.20	1/4	3,106.55	1/4	3,323.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,676.38	1/2	2,893.73	1/2	3,111.08	1/2	3,328.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,680.91	3/4	2,898.26	3/4	3,115.61	3/4	3,332.96	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/17/2021 CL
CALCULATED: 06/17/2021 CL
PRINTED: 06/17/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2021

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



BARGE "HFL 216S"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-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	0.94	0	243.21	0	513.73	0	790.23	0	1,067.44	0	1,344.65	0	1,621.86	0	1,899.07	0	2,176.28	0	2,453.49
1/4	1.90	1/4	248.98	1/4	519.33	1/4	796.01	1/4	1,073.22	1/4	1,350.43	1/4	1,627.64	1/4	1,904.85	1/4	2,182.06	1/4	2,459.27
1/2	2.86	1/2	254.76	1/2	524.93	1/2	801.78	1/2	1,078.99	1/2	1,356.20	1/2	1,633.41	1/2	1,910.62	1/2	2,187.83	1/2	2,465.04
3/4	3.82	3/4	260.53	3/4	530.53	3/4	807.56	3/4	1,084.77	3/4	1,361.98	3/4	1,639.19	3/4	1,916.40	3/4	2,193.61	3/4	2,470.82
1	4.79	1	266.31	1	536.12	1	813.33	1	1,090.54	1	1,367.75	1	1,644.96	1	1,922.17	1	2,199.38	1	2,476.59
1/4	7.67	1/4	272.08	1/4	541.90	1/4	819.11	1/4	1,096.32	1/4	1,373.53	1/4	1,650.74	1/4	1,927.95	1/4	2,205.16	1/4	2,482.37
1/2	10.56	1/2	277.86	1/2	547.67	1/2	824.88	1/2	1,102.09	1/2	1,379.30	1/2	1,656.51	1/2	1,933.72	1/2	2,210.93	1/2	2,488.14
3/4	13.45	3/4	283.63	3/4	553.45	3/4	830.66	3/4	1,107.87	3/4	1,385.08	3/4	1,662.29	3/4	1,939.50	3/4	2,216.71	3/4	2,493.92
2	16.33	2	289.41	2	559.22	2	836.43	2	1,113.64	2	1,390.85	2	1,668.06	2	1,945.27	2	2,222.48	2	2,499.69
1/4	21.14	1/4	295.18	1/4	565.00	1/4	842.21	1/4	1,119.42	1/4	1,396.63	1/4	1,673.84	1/4	1,951.05	1/4	2,228.26	1/4	2,505.47
1/2	25.95	1/2	300.96	1/2	570.78	1/2	847.98	1/2	1,125.19	1/2	1,402.40	1/2	1,679.61	1/2	1,956.82	1/2	2,234.03	1/2	2,511.24
3/4	30.76	3/4	306.73	3/4	576.55	3/4	853.76	3/4	1,130.97	3/4	1,408.18	3/4	1,685.39	3/4	1,962.60	3/4	2,239.81	3/4	2,517.02
3	35.58	3	312.51	3	582.33	3	859.54	3	1,136.74	3	1,413.95	3	1,691.16	3	1,968.37	3	2,245.58	3	2,522.79
1/4	41.30	1/4	318.09	1/4	588.10	1/4	865.31	1/4	1,142.52	1/4	1,419.73	1/4	1,696.94	1/4	1,974.15	1/4	2,251.36	1/4	2,528.57
1/2	47.03	1/2	323.68	1/2	593.88	1/2	871.09	1/2	1,148.30	1/2	1,425.50	1/2	1,702.71	1/2	1,979.92	1/2	2,257.13	1/2	2,534.34
3/4	52.75	3/4	329.27	3/4	599.65	3/4	876.86	3/4	1,154.07	3/4	1,431.28	3/4	1,708.49	3/4	1,985.70	3/4	2,262.91	3/4	2,540.12
4	58.48	4	334.86	4	605.43	4	882.64	4	1,159.85	4	1,437.06	4	1,714.26	4	1,991.47	4	2,268.68	4	2,545.89
1/4	64.24	1/4	340.45	1/4	611.20	1/4	888.41	1/4	1,165.62	1/4	1,442.83	1/4	1,720.04	1/4	1,997.25	1/4	2,274.46	1/4	2,551.67
1/2	70.00	1/2	346.04	1/2	616.98	1/2	894.19	1/2	1,171.40	1/2	1,448.61	1/2	1,725.82	1/2	2,003.02	1/2	2,280.23	1/2	2,557.44
3/4	75.76	3/4	351.63	3/4	622.75	3/4	899.96	3/4	1,177.17	3/4	1,454.38	3/4	1,731.59	3/4	2,008.80	3/4	2,286.01	3/4	2,563.22
5	81.52	5	357.21	5	628.53	5	905.74	5	1,182.95	5	1,460.16	5	1,737.37	5	2,014.58	5	2,291.78	5	2,568.99
1/4	87.29	1/4	362.80	1/4	634.30	1/4	911.51	1/4	1,188.72	1/4	1,465.93	1/4	1,743.14	1/4	2,020.35	1/4	2,297.56	1/4	2,574.77
1/2	93.06	1/2	368.39	1/2	640.08	1/2	917.29	1/2	1,194.50	1/2	1,471.71	1/2	1,748.92	1/2	2,026.13	1/2	2,303.34	1/2	2,580.54
3/4	98.84	3/4	373.98	3/4	645.85	3/4	923.06	3/4	1,200.27	3/4	1,477.48	3/4	1,754.69	3/4	2,031.90	3/4	2,309.11	3/4	2,586.32
6	104.61	6	379.57	6	651.63	6	928.84	6	1,206.05	6	1,483.26	6	1,760.47	6	2,037.68	6	2,314.89	6	2,592.10
1/4	110.38	1/4	385.16	1/4	657.40	1/4	934.61	1/4	1,211.82	1/4	1,489.03	1/4	1,766.24	1/4	2,043.45	1/4	2,320.66	1/4	2,597.87
1/2	116.16	1/2	390.74	1/2	663.18	1/2	940.39	1/2	1,217.60	1/2	1,494.81	1/2	1,772.02	1/2	2,049.23	1/2	2,326.44	1/2	2,603.65
3/4	121.93	3/4	396.33	3/4	668.95	3/4	946.16	3/4	1,223.37	3/4	1,500.58	3/4	1,777.79	3/4	2,055.00	3/4	2,332.21	3/4	2,609.42
7	127.71	7	401.92	7	674.73	7	951.94	7	1,229.15	7	1,506.36	7	1,783.57	7	2,060.78	7	2,337.99	7	2,615.20
1/4	133.48	1/4	407.51	1/4	680.50	1/4	957.71	1/4	1,234.92	1/4	1,512.13	1/4	1,789.34	1/4	2,066.55	1/4	2,343.76	1/4	2,620.97
1/2	139.26	1/2	413.10	1/2	686.28	1/2	963.49	1/2	1,240.70	1/2	1,517.91	1/2	1,795.12	1/2	2,072.33	1/2	2,349.54	1/2	2,626.75
3/4	145.03	3/4	418.69	3/4	692.05	3/4	969.26	3/4	1,246.47	3/4	1,523.68	3/4	1,800.89	3/4	2,078.10	3/4	2,355.31	3/4	2,632.52
8	150.81	8	424.27	8	697.83	8	975.04	8	1,252.25	8	1,529.46	8	1,806.67	8	2,083.88	8	2,361.09	8	2,638.30
1/4	156.58	1/4	429.86	1/4	703.60	1/4	980.81	1/4	1,258.02	1/4	1,535.23	1/4	1,812.44	1/4	2,089.65	1/4	2,366.86	1/4	2,644.07
1/2	162.36	1/2	435.45	1/2	709.38	1/2	986.59	1/2	1,263.80	1/2	1,541.01	1/2	1,818.22	1/2	2,095.43	1/2	2,372.64	1/2	2,649.85
3/4	168.13	3/4	441.04	3/4	715.16	3/4	992.36	3/4	1,269.57	3/4	1,546.78	3/4	1,823.99	3/4	2,101.20	3/4	2,378.41	3/4	2,655.62
9	173.91	9	446.63	9	720.93	9	998.14	9	1,275.35	9	1,552.56	9	1,829.77	9	2,106.98	9	2,384.19	9	2,661.40
1/4	179.68	1/4	452.22	1/4	726.71	1/4	1,003.92	1/4	1,281.12	1/4	1,558.33	1/4	1,835.54	1/4	2,112.75	1/4	2,389.96	1/4	2,667.17
1/2	185.46	1/2	457.80	1/2	732.48	1/2	1,009.69	1/2	1,286.90	1/2	1,564.11	1/2	1,841.32	1/2	2,118.53	1/2	2,395.74	1/2	2,672.95
3/4	191.23	3/4	463.39	3/4	738.26	3/4	1,015.47	3/4	1,292.68	3/4	1,569.88	3/4	1,847.09	3/4	2,124.30	3/4	2,401.51	3/4	2,678.72
10	197.01	10	468.98	10	744.03	10	1,021.24	10	1,298.45	10	1,575.66	10	1,852.87	10	2,130.08	10	2,407.29	10	2,684.50
1/4	202.78	1/4	474.57	1/4	749.81	1/4	1,027.02	1/4	1,304.23	1/4	1,581.44	1/4	1,858.64	1/4	2,135.85	1/4	2,413.06	1/4	2,690.27
1/2	208.56	1/2	480.16	1/2	755.58	1/2	1,032.79	1/2	1,310.00	1/2	1,587.21	1/2	1,864.42	1/2	2,141.63	1/2	2,418.84	1/2	2,696.05
3/4	214.33	3/4	485.75	3/4	761.36	3/4	1,038.57	3/4	1,315.78	3/4	1,592.99	3/4	1,870.20	3/4	2,147.40	3/4	2,424.61	3/4	2,701.82
11	220.11	11	491.33	11	767.13	11	1,044.34	11	1,321.55	11	1,598.76	11	1,875.97	11	2,153.18	11	2,430.39	11	2,707.60
1/4	225.88	1/4	496.93	1/4	772.91	1/4	1,050.12	1/4	1,327.33	1/4	1,604.54	1/4	1,881.75	1/4	2,158.96	1/4	2,436.16	1/4	2,713.37
1/2	231.66	1/2	502.53	1/2	778.68	1/2	1,055.89	1/2	1,333.10	1/2	1,610.31	1/2	1,887.52	1/2	2,164.73	1/2	2,441.94	1/2	2,719.15
3/4	237.43	3/4	508.13	3/4	784.46	3/4	1,061.67	3/4	1,338.88	3/4	1,616.09	3/4	1,893.30	3/4	2,170.51	3/4	2,447.72	3/4	2,724.92

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 31'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HFL 216S"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-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	2,730.70	0	3,007.91	0	3,285.12	0	3,562.33	0	3,839.54	0		0		0		0		0	
1/4	2,736.48	1/4	3,013.68	1/4	3,290.89	1/4	3,568.10	1/4	3,845.31	1/4		1/4		1/4		1/4		1/4	
1/2	2,742.25	1/2	3,019.46	1/2	3,296.67	1/2	3,573.88	1/2	3,851.09	1/2		1/2		1/2		1/2		1/2	
3/4	2,748.03	3/4	3,025.24	3/4	3,302.44	3/4	3,579.65	3/4	3,856.86	3/4		3/4		3/4		3/4		3/4	
1	2,753.80	1	3,031.01	1	3,308.22	1	3,585.43	1	3,862.64	1		1		1		1		1	
1/4	2,759.58	1/4	3,036.79	1/4	3,314.00	1/4	3,591.20	1/4	3,868.41	1/4		1/4		1/4		1/4		1/4	
1/2	2,765.35	1/2	3,042.56	1/2	3,319.77	1/2	3,596.98	1/2	3,874.19	1/2		1/2		1/2		1/2		1/2	
3/4	2,771.13	3/4	3,048.34	3/4	3,325.55	3/4	3,602.76	3/4	3,879.96	3/4		3/4		3/4		3/4		3/4	
2	2,776.90	2	3,054.11	2	3,331.32	2	3,608.53	2	3,885.74	2		2		2		2		2	
1/4	2,782.68	1/4	3,059.89	1/4	3,337.10	1/4	3,614.31	1/4	3,891.52	1/4		1/4		1/4		1/4		1/4	
1/2	2,788.45	1/2	3,065.66	1/2	3,342.87	1/2	3,620.08	1/2	3,897.29	1/2		1/2		1/2		1/2		1/2	
3/4	2,794.23	3/4	3,071.44	3/4	3,348.65	3/4	3,625.86	3/4	3,903.07	3/4		3/4		3/4		3/4		3/4	
3	2,800.00	3	3,077.21	3	3,354.42	3	3,631.63	3	3,908.84	3		3		3		3		3	
1/4	2,805.78	1/4	3,082.99	1/4	3,360.20	1/4	3,637.41	1/4	3,914.62	1/4		1/4		1/4		1/4		1/4	
1/2	2,811.55	1/2	3,088.76	1/2	3,365.97	1/2	3,643.18	1/2	3,920.39	1/2		1/2		1/2		1/2		1/2	
3/4	2,817.33	3/4	3,094.54	3/4	3,371.75	3/4	3,648.96	3/4	3,926.17	3/4		3/4		3/4		3/4		3/4	
4	2,823.10	4	3,100.31	4	3,377.52	4	3,654.73	4	3,931.94	4		4		4		4		4	
1/4	2,828.88	1/4	3,106.09	1/4	3,383.30	1/4	3,660.51	1/4	3,937.69	1/4		1/4		1/4		1/4		1/4	
1/2	2,834.65	1/2	3,111.86	1/2	3,389.07	1/2	3,666.28	1/2	3,943.45	1/2		1/2		1/2		1/2		1/2	
3/4	2,840.43	3/4	3,117.64	3/4	3,394.85	3/4	3,672.06	3/4	3,949.20	3/4		3/4		3/4		3/4		3/4	
5	2,846.20	5	3,123.41	5	3,400.62	5	3,677.83	5	3,954.95	5		5		5		5		5	
1/4	2,851.98	1/4	3,129.19	1/4	3,406.40	1/4	3,683.61	1/4	3,959.76	1/4		1/4		1/4		1/4		1/4	
1/2	2,857.75	1/2	3,134.96	1/2	3,412.17	1/2	3,689.38	1/2	3,964.58	1/2		1/2		1/2		1/2		1/2	
3/4	2,863.53	3/4	3,140.74	3/4	3,417.95	3/4	3,695.16	3/4	3,969.39	3/4		3/4		3/4		3/4		3/4	
6	2,869.30	6	3,146.51	6	3,423.72	6	3,700.93	6	3,974.20	6		6		6		6		6	
1/4	2,875.08	1/4	3,152.29	1/4	3,429.50	1/4	3,706.71	1/4	3,977.09	1/4		1/4		1/4		1/4		1/4	
1/2	2,880.86	1/2	3,158.06	1/2	3,435.27	1/2	3,712.48	1/2	3,979.97	1/2		1/2		1/2		1/2		1/2	
3/4	2,886.63	3/4	3,163.84	3/4	3,441.05	3/4	3,718.26	3/4	3,982.86	3/4		3/4		3/4		3/4		3/4	
7	2,892.41	7	3,169.62	7	3,446.82	7	3,724.03	7	3,985.75	7		7		7		7		7	
1/4	2,898.18	1/4	3,175.39	1/4	3,452.60	1/4	3,729.81	1/4	3,986.71	1/4		1/4		1/4		1/4		1/4	
1/2	2,903.96	1/2	3,181.17	1/2	3,458.38	1/2	3,735.58	1/2	3,987.68	1/2		1/2		1/2		1/2		1/2	
3/4	2,909.73	3/4	3,186.94	3/4	3,464.15	3/4	3,741.36	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,915.51	8	3,192.72	8	3,469.93	8	3,747.14	8		8		8		8		8		8	
1/4	2,921.28	1/4	3,198.49	1/4	3,475.70	1/4	3,752.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,927.06	1/2	3,204.27	1/2	3,481.48	1/2	3,758.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,932.83	3/4	3,210.04	3/4	3,487.25	3/4	3,764.46	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,938.61	9	3,215.82	9	3,493.03	9	3,770.24	9		9		9		9		9		9	
1/4	2,944.38	1/4	3,221.59	1/4	3,498.80	1/4	3,776.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,950.16	1/2	3,227.37	1/2	3,504.58	1/2	3,781.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,955.93	3/4	3,233.14	3/4	3,510.35	3/4	3,787.56	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,961.71	10	3,238.92	10	3,516.13	10	3,793.34	10		10		10		10		10		10	
1/4	2,967.48	1/4	3,244.69	1/4	3,521.90	1/4	3,799.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,973.26	1/2	3,250.47	1/2	3,527.68	1/2	3,804.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,979.03	3/4	3,256.24	3/4	3,533.45	3/4	3,810.66	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,984.81	11	3,262.02	11	3,539.23	11	3,816.44	11		11		11		11		11		11	
1/4	2,990.58	1/4	3,267.79	1/4	3,545.00	1/4	3,822.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,996.36	1/2	3,273.57	1/2	3,550.78	1/2	3,827.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,002.13	3/4	3,279.34	3/4	3,556.55	3/4	3,833.76	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/17/2021 CL
CALCULATED: 06/17/2021 CL
PRINTED: 06/17/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2021

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



BARGE "HFL 216S"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.94	0	215.51	0	460.60	0	706.09	0	951.60	0	1,197.12	0	1,442.63	0	1,688.15	0	1,933.66	0	2,179.18
1/4	1.79	1/4	220.62	1/4	465.71	1/4	711.20	1/4	956.72	1/4	1,202.23	1/4	1,447.75	1/4	1,693.26	1/4	1,938.78	1/4	2,184.29
1/2	2.64	1/2	225.74	1/2	470.82	1/2	716.32	1/2	961.83	1/2	1,207.35	1/2	1,452.86	1/2	1,698.38	1/2	1,943.89	1/2	2,189.41
3/4	3.49	3/4	230.85	3/4	475.93	3/4	721.43	3/4	966.95	3/4	1,212.46	3/4	1,457.98	3/4	1,703.49	3/4	1,949.01	3/4	2,194.52
1	4.35	1	235.97	1	481.03	1	726.55	1	972.06	1	1,217.58	1	1,463.09	1	1,708.61	1	1,954.12	1	2,199.64
1/4	6.90	1/4	241.08	1/4	486.15	1/4	731.66	1/4	977.18	1/4	1,222.69	1/4	1,468.21	1/4	1,713.72	1/4	1,959.24	1/4	2,204.75
1/2	9.46	1/2	246.20	1/2	491.26	1/2	736.78	1/2	982.29	1/2	1,227.81	1/2	1,473.32	1/2	1,718.84	1/2	1,964.35	1/2	2,209.87
3/4	12.02	3/4	251.31	3/4	496.38	3/4	741.89	3/4	987.41	3/4	1,232.92	3/4	1,478.44	3/4	1,723.95	3/4	1,969.47	3/4	2,214.98
2	14.57	2	256.43	2	501.49	2	747.01	2	992.52	2	1,238.04	2	1,483.55	2	1,729.07	2	1,974.58	2	2,220.10
1/4	18.83	1/4	261.54	1/4	506.61	1/4	752.12	1/4	997.64	1/4	1,243.15	1/4	1,488.67	1/4	1,734.18	1/4	1,979.70	1/4	2,225.21
1/2	23.09	1/2	266.66	1/2	511.72	1/2	757.24	1/2	1,002.75	1/2	1,248.27	1/2	1,493.78	1/2	1,739.30	1/2	1,984.81	1/2	2,230.33
3/4	27.35	3/4	271.77	3/4	516.84	3/4	762.35	3/4	1,007.87	3/4	1,253.38	3/4	1,498.90	3/4	1,744.41	3/4	1,989.93	3/4	2,235.44
3	31.61	3	276.89	3	521.95	3	767.47	3	1,012.98	3	1,258.50	3	1,504.01	3	1,749.53	3	1,995.04	3	2,240.56
1/4	36.69	1/4	281.99	1/4	527.07	1/4	772.58	1/4	1,018.10	1/4	1,263.61	1/4	1,509.13	1/4	1,754.64	1/4	2,000.16	1/4	2,245.67
1/2	41.76	1/2	287.09	1/2	532.18	1/2	777.70	1/2	1,023.21	1/2	1,268.73	1/2	1,514.24	1/2	1,759.76	1/2	2,005.27	1/2	2,250.79
3/4	46.83	3/4	292.19	3/4	537.30	3/4	782.81	3/4	1,028.33	3/4	1,273.84	3/4	1,519.36	3/4	1,764.87	3/4	2,010.39	3/4	2,255.90
4	51.90	4	297.30	4	542.41	4	787.93	4	1,033.44	4	1,278.96	4	1,524.47	4	1,769.99	4	2,015.50	4	2,261.02
1/4	57.00	1/4	302.40	1/4	547.53	1/4	793.04	1/4	1,038.56	1/4	1,284.07	1/4	1,529.59	1/4	1,775.10	1/4	2,020.62	1/4	2,266.13
1/2	62.10	1/2	307.50	1/2	552.64	1/2	798.16	1/2	1,043.67	1/2	1,289.19	1/2	1,534.70	1/2	1,780.22	1/2	2,025.73	1/2	2,271.25
3/4	67.20	3/4	312.60	3/4	557.76	3/4	803.27	3/4	1,048.79	3/4	1,294.30	3/4	1,539.82	3/4	1,785.33	3/4	2,030.85	3/4	2,276.36
5	72.30	5	317.71	5	562.87	5	808.39	5	1,053.90	5	1,299.42	5	1,544.93	5	1,790.45	5	2,035.96	5	2,281.48
1/4	77.42	1/4	322.81	1/4	567.99	1/4	813.50	1/4	1,059.02	1/4	1,304.53	1/4	1,550.05	1/4	1,795.56	1/4	2,041.08	1/4	2,286.59
1/2	82.53	1/2	327.91	1/2	573.10	1/2	818.62	1/2	1,064.13	1/2	1,309.65	1/2	1,555.16	1/2	1,800.68	1/2	2,046.19	1/2	2,291.71
3/4	87.64	3/4	333.02	3/4	578.22	3/4	823.73	3/4	1,069.25	3/4	1,314.76	3/4	1,560.28	3/4	1,805.79	3/4	2,051.31	3/4	2,296.82
6	92.76	6	338.12	6	583.33	6	828.85	6	1,074.36	6	1,319.88	6	1,565.39	6	1,810.91	6	2,056.42	6	2,301.94
1/4	97.87	1/4	343.22	1/4	588.45	1/4	833.96	1/4	1,079.48	1/4	1,324.99	1/4	1,570.51	1/4	1,816.02	1/4	2,061.54	1/4	2,307.05
1/2	102.99	1/2	348.32	1/2	593.56	1/2	839.08	1/2	1,084.59	1/2	1,330.11	1/2	1,575.62	1/2	1,821.14	1/2	2,066.65	1/2	2,312.17
3/4	108.10	3/4	353.43	3/4	598.68	3/4	844.19	3/4	1,089.71	3/4	1,335.22	3/4	1,580.74	3/4	1,826.25	3/4	2,071.77	3/4	2,317.28
7	113.22	7	358.53	7	603.79	7	849.31	7	1,094.82	7	1,340.34	7	1,585.85	7	1,831.37	7	2,076.88	7	2,322.40
1/4	118.33	1/4	363.63	1/4	608.91	1/4	854.42	1/4	1,099.94	1/4	1,345.45	1/4	1,590.97	1/4	1,836.48	1/4	2,082.00	1/4	2,327.51
1/2	123.44	1/2	368.73	1/2	614.02	1/2	859.54	1/2	1,105.05	1/2	1,350.57	1/2	1,596.08	1/2	1,841.60	1/2	2,087.11	1/2	2,332.63
3/4	128.56	3/4	373.84	3/4	619.14	3/4	864.65	3/4	1,110.17	3/4	1,355.68	3/4	1,601.20	3/4	1,846.71	3/4	2,092.23	3/4	2,337.74
8	133.67	8	378.94	8	624.25	8	869.77	8	1,115.28	8	1,360.80	8	1,606.31	8	1,851.83	8	2,097.34	8	2,342.86
1/4	138.79	1/4	384.04	1/4	629.37	1/4	874.88	1/4	1,120.40	1/4	1,365.91	1/4	1,611.43	1/4	1,856.94	1/4	2,102.46	1/4	2,347.97
1/2	143.90	1/2	389.15	1/2	634.48	1/2	880.00	1/2	1,125.51	1/2	1,371.03	1/2	1,616.54	1/2	1,862.06	1/2	2,107.57	1/2	2,353.09
3/4	149.02	3/4	394.25	3/4	639.59	3/4	885.11	3/4	1,130.63	3/4	1,376.14	3/4	1,621.66	3/4	1,867.17	3/4	2,112.69	3/4	2,358.20
9	154.13	9	399.35	9	644.71	9	890.23	9	1,135.74	9	1,381.26	9	1,626.77	9	1,872.29	9	2,117.80	9	2,363.32
1/4	159.25	1/4	404.45	1/4	649.82	1/4	895.34	1/4	1,140.86	1/4	1,386.37	1/4	1,631.89	1/4	1,877.40	1/4	2,122.92	1/4	2,368.43
1/2	164.36	1/2	409.56	1/2	654.94	1/2	900.45	1/2	1,145.97	1/2	1,391.49	1/2	1,637.00	1/2	1,882.52	1/2	2,128.03	1/2	2,373.55
3/4	169.48	3/4	414.66	3/4	660.05	3/4	905.57	3/4	1,151.08	3/4	1,396.60	3/4	1,642.12	3/4	1,887.63	3/4	2,133.15	3/4	2,378.66
10	174.59	10	419.76	10	665.17	10	910.68	10	1,156.20	10	1,401.72	10	1,647.23	10	1,892.75	10	2,138.26	10	2,383.78
1/4	179.71	1/4	424.86	1/4	670.28	1/4	915.80	1/4	1,161.31	1/4	1,406.83	1/4	1,652.35	1/4	1,897.86	1/4	2,143.38	1/4	2,388.89
1/2	184.82	1/2	429.97	1/2	675.40	1/2	920.91	1/2	1,166.43	1/2	1,411.94	1/2	1,657.46	1/2	1,902.98	1/2	2,148.49	1/2	2,394.01
3/4	189.94	3/4	435.07	3/4	680.51	3/4	926.03	3/4	1,171.54	3/4	1,417.06	3/4	1,662.57	3/4	1,908.09	3/4	2,153.61	3/4	2,399.12
11	195.05	11	440.17	11	685.63	11	931.14	11	1,176.66	11	1,422.17	11	1,667.69	11	1,913.21	11	2,158.72	11	2,404.24
1/4	200.17	1/4	445.28	1/4	690.74	1/4	936.26	1/4	1,181.77	1/4	1,427.29	1/4	1,672.80	1/4	1,918.32	1/4	2,163.84	1/4	2,409.35
1/2	205.28	1/2	450.39	1/2	695.86	1/2	941.37	1/2	1,186.89	1/2	1,432.40	1/2	1,677.92	1/2	1,923.43	1/2	2,168.95	1/2	2,414.47
3/4	210.39	3/4	455.50	3/4	700.97	3/4	946.49	3/4	1,192.00	3/4	1,437.52	3/4	1,683.03	3/4	1,928.55	3/4	2,174.06	3/4	2,419.58

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 "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 25'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HFL 216S"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,424.70	0	2,670.21	0	2,915.73	0	3,161.24	0	3,406.76	0		0		0		0		0	
1/4	2,429.81	1/4	2,675.33	1/4	2,920.84	1/4	3,166.36	1/4	3,411.87	1/4		1/4		1/4		1/4		1/4	
1/2	2,434.92	1/2	2,680.44	1/2	2,925.96	1/2	3,171.47	1/2	3,416.99	1/2		1/2		1/2		1/2		1/2	
3/4	2,440.04	3/4	2,685.55	3/4	2,931.07	3/4	3,176.59	3/4	3,422.10	3/4		3/4		3/4		3/4		3/4	
1	2,445.15	1	2,690.67	1	2,936.19	1	3,181.70	1	3,427.22	1		1		1		1		1	
1/4	2,450.27	1/4	2,695.78	1/4	2,941.30	1/4	3,186.82	1/4	3,432.33	1/4		1/4		1/4		1/4		1/4	
1/2	2,455.38	1/2	2,700.90	1/2	2,946.41	1/2	3,191.93	1/2	3,437.45	1/2		1/2		1/2		1/2		1/2	
3/4	2,460.50	3/4	2,706.01	3/4	2,951.53	3/4	3,197.04	3/4	3,442.56	3/4		3/4		3/4		3/4		3/4	
2	2,465.61	2	2,711.13	2	2,956.64	2	3,202.16	2	3,447.68	2		2		2		2		2	
1/4	2,470.73	1/4	2,716.24	1/4	2,961.76	1/4	3,207.27	1/4	3,452.79	1/4		1/4		1/4		1/4		1/4	
1/2	2,475.84	1/2	2,721.36	1/2	2,966.87	1/2	3,212.39	1/2	3,457.90	1/2		1/2		1/2		1/2		1/2	
3/4	2,480.96	3/4	2,726.47	3/4	2,971.99	3/4	3,217.50	3/4	3,463.02	3/4		3/4		3/4		3/4		3/4	
3	2,486.07	3	2,731.59	3	2,977.10	3	3,222.62	3	3,468.13	3		3		3		3		3	
1/4	2,491.19	1/4	2,736.70	1/4	2,982.22	1/4	3,227.73	1/4	3,473.25	1/4		1/4		1/4		1/4		1/4	
1/2	2,496.30	1/2	2,741.82	1/2	2,987.33	1/2	3,232.85	1/2	3,478.36	1/2		1/2		1/2		1/2		1/2	
3/4	2,501.42	3/4	2,746.93	3/4	2,992.45	3/4	3,237.96	3/4	3,483.48	3/4		3/4		3/4		3/4		3/4	
4	2,506.53	4	2,752.05	4	2,997.56	4	3,243.08	4	3,488.59	4		4		4		4		4	
1/4	2,511.65	1/4	2,757.16	1/4	3,002.68	1/4	3,248.19	1/4	3,493.70	1/4		1/4		1/4		1/4		1/4	
1/2	2,516.76	1/2	2,762.28	1/2	3,007.79	1/2	3,253.31	1/2	3,498.80	1/2		1/2		1/2		1/2		1/2	
3/4	2,521.88	3/4	2,767.39	3/4	3,012.91	3/4	3,258.42	3/4	3,503.90	3/4		3/4		3/4		3/4		3/4	
5	2,526.99	5	2,772.51	5	3,018.02	5	3,263.54	5	3,509.01	5		5		5		5		5	
1/4	2,532.11	1/4	2,777.62	1/4	3,023.14	1/4	3,268.65	1/4	3,513.27	1/4		1/4		1/4		1/4		1/4	
1/2	2,537.22	1/2	2,782.74	1/2	3,028.25	1/2	3,273.77	1/2	3,517.53	1/2		1/2		1/2		1/2		1/2	
3/4	2,542.34	3/4	2,787.85	3/4	3,033.37	3/4	3,278.88	3/4	3,521.79	3/4		3/4		3/4		3/4		3/4	
6	2,547.45	6	2,792.97	6	3,038.48	6	3,284.00	6	3,526.05	6		6		6		6		6	
1/4	2,552.57	1/4	2,798.08	1/4	3,043.60	1/4	3,289.11	1/4	3,528.61	1/4		1/4		1/4		1/4		1/4	
1/2	2,557.68	1/2	2,803.20	1/2	3,048.71	1/2	3,294.23	1/2	3,531.17	1/2		1/2		1/2		1/2		1/2	
3/4	2,562.80	3/4	2,808.31	3/4	3,053.83	3/4	3,299.34	3/4	3,533.73	3/4		3/4		3/4		3/4		3/4	
7	2,567.91	7	2,813.43	7	3,058.94	7	3,304.46	7	3,536.28	7		7		7		7		7	
1/4	2,573.03	1/4	2,818.54	1/4	3,064.06	1/4	3,309.57	1/4	3,537.14	1/4		1/4		1/4		1/4		1/4	
1/2	2,578.14	1/2	2,823.66	1/2	3,069.17	1/2	3,314.69	1/2	3,537.99	1/2		1/2		1/2		1/2		1/2	
3/4	2,583.26	3/4	2,828.77	3/4	3,074.29	3/4	3,319.80	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,588.37	8	2,833.89	8	3,079.40	8	3,324.92	8		8		8		8		8		8	
1/4	2,593.49	1/4	2,839.00	1/4	3,084.52	1/4	3,330.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,598.60	1/2	2,844.12	1/2	3,089.63	1/2	3,335.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,603.72	3/4	2,849.23	3/4	3,094.75	3/4	3,340.26	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,608.83	9	2,854.35	9	3,099.86	9	3,345.38	9		9		9		9		9		9	
1/4	2,613.95	1/4	2,859.46	1/4	3,104.98	1/4	3,350.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,619.06	1/2	2,864.58	1/2	3,110.09	1/2	3,355.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,624.18	3/4	2,869.69	3/4	3,115.21	3/4	3,360.72	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,629.29	10	2,874.81	10	3,120.32	10	3,365.84	10		10		10		10		10		10	
1/4	2,634.41	1/4	2,879.92	1/4	3,125.44	1/4	3,370.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,639.52	1/2	2,885.04	1/2	3,130.55	1/2	3,376.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,644.64	3/4	2,890.15	3/4	3,135.67	3/4	3,381.18	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,649.75	11	2,895.27	11	3,140.78	11	3,386.30	11		11		11		11		11		11	
1/4	2,654.87	1/4	2,900.38	1/4	3,145.90	1/4	3,391.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,659.98	1/2	2,905.50	1/2	3,151.01	1/2	3,396.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,665.10	3/4	2,910.61	3/4	3,156.13	3/4	3,401.64	3/4		3/4		3/4		3/4		3/4		3/4	

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



BARGE "HFL 216S"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	110	0	280	0	451	0	560	0		0		0		0		0	
1/4	1	1/4	113	1/4	284	1/4	454	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	116	1/2	287	1/2	457	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	119	3/4	291	3/4	460	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	123	1	295	1	463	1	1	1	1	1	1	1	1	1	1	1	1
1/4	4	1/4	126	1/4	299	1/4	466	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	129	1/2	302	1/2	469	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	7	3/4	133	3/4	306	3/4	472	3/4		3/4		3/4		3/4		3/4		3/4	
2	8	2	136	2	310	2	476	2	2	2	2	2	2	2	2	2	2	2	2
1/4	10	1/4	139	1/4	313	1/4	479	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	11	1/2	143	1/2	317	1/2	481	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	13	3/4	146	3/4	321	3/4	484	3/4		3/4		3/4		3/4		3/4		3/4	
3	15	3	150	3	325	3	487	3	3	3	3	3	3	3	3	3	3	3	3
1/4	17	1/4	153	1/4	328	1/4	490	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	18	1/2	156	1/2	332	1/2	493	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	20	3/4	160	3/4	336	3/4	496	3/4		3/4		3/4		3/4		3/4		3/4	
4	22	4	163	4	339	4	499	4	4	4	4	4	4	4	4	4	4	4	4
1/4	24	1/4	167	1/4	343	1/4	501	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	27	1/2	170	1/2	346	1/2	504	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	29	3/4	174	3/4	350	3/4	507	3/4		3/4		3/4		3/4		3/4		3/4	
5	31	5	178	5	354	5	510	5	5	5	5	5	5	5	5	5	5	5	5
1/4	33	1/4	181	1/4	357	1/4	512	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	36	1/2	185	1/2	361	1/2	515	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	38	3/4	188	3/4	365	3/4	517	3/4		3/4		3/4		3/4		3/4		3/4	
6	40	6	192	6	368	6	520	6	6	6	6	6	6	6	6	6	6	6	6
1/4	43	1/4	195	1/4	372	1/4	522	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	45	1/2	199	1/2	375	1/2	524	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	48	3/4	203	3/4	379	3/4	527	3/4		3/4		3/4		3/4		3/4		3/4	
7	51	7	206	7	383	7	529	7	7	7	7	7	7	7	7	7	7	7	7
1/4	53	1/4	210	1/4	386	1/4	531	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	214	1/2	390	1/2	533	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	59	3/4	217	3/4	393	3/4	536	3/4		3/4		3/4		3/4		3/4		3/4	
8	61	8	221	8	397	8	538	8	8	8	8	8	8	8	8	8	8	8	8
1/4	64	1/4	225	1/4	400	1/4	540	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	67	1/2	228	1/2	404	1/2	542	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	70	3/4	232	3/4	407	3/4	544	3/4		3/4		3/4		3/4		3/4		3/4	
9	73	9	236	9	411	9	546	9	9	9	9	9	9	9	9	9	9	9	9
1/4	76	1/4	239	1/4	414	1/4	547	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	79	1/2	243	1/2	417	1/2	549	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	82	3/4	247	3/4	421	3/4	550	3/4		3/4		3/4		3/4		3/4		3/4	
10	85	10	250	10	424	10	552	10	10	10	10	10	10	10	10	10	10	10	10
1/4	88	1/4	254	1/4	428	1/4	553	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	91	1/2	258	1/2	431	1/2	555	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	94	3/4	261	3/4	434	3/4	556	3/4		3/4		3/4		3/4		3/4		3/4	
11	97	11	265	11	438	11	557	11	11	11	11	11	11	11	11	11	11	11	11
1/4	100	1/4	269	1/4	441	1/4	558	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	103	1/2	273	1/2	444	1/2	559	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106	3/4	276	3/4	447	3/4	559	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.

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