



BARGE "HFL 218S"

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	00-1/8	- 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	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"

July 30, 2021

**PRECISION MEASUREMENT
 & ANALYSIS, INC.**
 P.O. Box 2092
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BARGE "HFL 218S"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.93	0	217.18	0	459.92	0	705.16	0	951.95	0	1,198.75	0	1,445.55	0	1,692.34	0	1,939.14	0	2,185.94
1/4	1.79	1/4	222.30	1/4	464.94	1/4	710.30	1/4	957.09	1/4	1,203.89	1/4	1,450.69	1/4	1,697.48	1/4	1,944.28	1/4	2,191.08
1/2	2.65	1/2	227.42	1/2	469.96	1/2	715.44	1/2	962.24	1/2	1,209.03	1/2	1,455.83	1/2	1,702.63	1/2	1,949.42	1/2	2,196.22
3/4	3.51	3/4	232.54	3/4	474.98	3/4	720.59	3/4	967.38	3/4	1,214.17	3/4	1,460.97	3/4	1,707.77	3/4	1,954.56	3/4	2,201.36
1	4.37	1	237.67	1	480.00	1	725.73	1	972.52	1	1,219.32	1	1,466.11	1	1,712.91	1	1,959.71	1	2,206.50
1/4	6.95	1/4	242.77	1/4	485.03	1/4	730.87	1/4	977.66	1/4	1,224.46	1/4	1,471.25	1/4	1,718.05	1/4	1,964.85	1/4	2,211.65
1/2	9.52	1/2	247.87	1/2	490.05	1/2	736.01	1/2	982.80	1/2	1,229.60	1/2	1,476.40	1/2	1,723.19	1/2	1,969.99	1/2	2,216.79
3/4	12.10	3/4	252.97	3/4	495.07	3/4	741.15	3/4	987.94	3/4	1,234.74	3/4	1,481.54	3/4	1,728.33	3/4	1,975.13	3/4	2,221.93
2	14.68	2	258.08	2	500.09	2	746.29	2	993.09	2	1,239.88	2	1,486.68	2	1,733.48	2	1,980.27	2	2,227.07
1/4	18.97	1/4	263.19	1/4	505.11	1/4	751.43	1/4	998.23	1/4	1,245.02	1/4	1,491.82	1/4	1,738.62	1/4	1,985.41	1/4	2,232.21
1/2	23.26	1/2	268.31	1/2	510.14	1/2	756.58	1/2	1,003.37	1/2	1,250.16	1/2	1,496.96	1/2	1,743.76	1/2	1,990.56	1/2	2,237.36
3/4	27.56	3/4	273.43	3/4	515.16	3/4	761.72	3/4	1,008.51	3/4	1,255.31	3/4	1,502.10	3/4	1,748.90	3/4	1,995.70	3/4	2,242.50
3	31.85	3	278.55	3	520.18	3	766.86	3	1,013.65	3	1,260.45	3	1,507.24	3	1,754.04	3	2,000.84	3	2,247.64
1/4	36.96	1/4	283.67	1/4	525.20	1/4	772.00	1/4	1,018.79	1/4	1,265.59	1/4	1,512.39	1/4	1,759.18	1/4	2,005.98	1/4	2,252.78
1/2	42.07	1/2	288.79	1/2	530.22	1/2	777.14	1/2	1,023.93	1/2	1,270.73	1/2	1,517.53	1/2	1,764.32	1/2	2,011.12	1/2	2,257.92
3/4	47.18	3/4	293.90	3/4	535.24	3/4	782.28	3/4	1,029.08	3/4	1,275.87	3/4	1,522.67	3/4	1,769.47	3/4	2,016.26	3/4	2,263.07
4	52.29	4	299.02	4	540.27	4	787.43	4	1,034.22	4	1,281.01	4	1,527.81	4	1,774.61	4	2,021.40	4	2,268.21
1/4	57.43	1/4	304.12	1/4	545.42	1/4	792.57	1/4	1,039.36	1/4	1,286.16	1/4	1,532.95	1/4	1,779.75	1/4	2,026.55	1/4	2,273.35
1/2	62.57	1/2	309.22	1/2	550.57	1/2	797.71	1/2	1,044.50	1/2	1,291.30	1/2	1,538.09	1/2	1,784.89	1/2	2,031.69	1/2	2,278.49
3/4	67.72	3/4	314.32	3/4	555.72	3/4	802.85	3/4	1,049.64	3/4	1,296.44	3/4	1,543.24	3/4	1,790.03	3/4	2,036.83	3/4	2,283.63
5	72.86	5	319.42	5	560.88	5	807.99	5	1,054.78	5	1,301.58	5	1,548.38	5	1,795.17	5	2,041.97	5	2,288.78
1/4	78.01	1/4	324.52	1/4	566.03	1/4	813.13	1/4	1,059.93	1/4	1,306.72	1/4	1,553.52	1/4	1,800.32	1/4	2,047.11	1/4	2,293.92
1/2	83.16	1/2	329.62	1/2	571.18	1/2	818.27	1/2	1,065.07	1/2	1,311.86	1/2	1,558.66	1/2	1,805.46	1/2	2,052.25	1/2	2,299.06
3/4	88.32	3/4	334.72	3/4	576.34	3/4	823.42	3/4	1,070.21	3/4	1,317.01	3/4	1,563.80	3/4	1,810.60	3/4	2,057.40	3/4	2,304.20
6	93.47	6	339.82	6	581.49	6	828.56	6	1,075.35	6	1,322.15	6	1,568.94	6	1,815.74	6	2,062.54	6	2,309.34
1/4	98.63	1/4	344.83	1/4	586.64	1/4	833.70	1/4	1,080.49	1/4	1,327.29	1/4	1,574.09	1/4	1,820.88	1/4	2,067.68	1/4	2,314.48
1/2	103.78	1/2	349.85	1/2	591.80	1/2	838.84	1/2	1,085.63	1/2	1,332.43	1/2	1,579.23	1/2	1,826.02	1/2	2,072.82	1/2	2,319.62
3/4	108.93	3/4	354.86	3/4	596.95	3/4	843.98	3/4	1,090.78	3/4	1,337.57	3/4	1,584.37	3/4	1,831.17	3/4	2,077.96	3/4	2,324.76
7	114.09	7	359.88	7	602.10	7	849.12	7	1,095.92	7	1,342.71	7	1,589.51	7	1,836.31	7	2,083.10	7	2,329.89
1/4	119.24	1/4	364.89	1/4	607.25	1/4	854.26	1/4	1,101.06	1/4	1,347.86	1/4	1,594.65	1/4	1,841.45	1/4	2,088.25	1/4	2,335.03
1/2	124.40	1/2	369.91	1/2	612.41	1/2	859.41	1/2	1,106.20	1/2	1,353.00	1/2	1,599.79	1/2	1,846.59	1/2	2,093.39	1/2	2,340.17
3/4	129.55	3/4	374.92	3/4	617.56	3/4	864.55	3/4	1,111.34	3/4	1,358.14	3/4	1,604.94	3/4	1,851.73	3/4	2,098.53	3/4	2,345.31
8	134.71	8	379.94	8	622.71	8	869.69	8	1,116.48	8	1,363.28	8	1,610.08	8	1,856.87	8	2,103.67	8	2,350.44
1/4	139.86	1/4	384.92	1/4	627.87	1/4	874.83	1/4	1,121.62	1/4	1,368.42	1/4	1,615.22	1/4	1,862.02	1/4	2,108.81	1/4	2,355.58
1/2	145.02	1/2	389.91	1/2	633.02	1/2	879.97	1/2	1,126.77	1/2	1,373.56	1/2	1,620.36	1/2	1,867.16	1/2	2,113.95	1/2	2,360.72
3/4	150.17	3/4	394.89	3/4	638.17	3/4	885.11	3/4	1,131.91	3/4	1,378.70	3/4	1,625.50	3/4	1,872.30	3/4	2,119.10	3/4	2,365.85
9	155.33	9	399.88	9	643.33	9	890.26	9	1,137.05	9	1,383.85	9	1,630.64	9	1,877.44	9	2,124.24	9	2,370.99
1/4	160.48	1/4	404.86	1/4	648.48	1/4	895.40	1/4	1,142.19	1/4	1,388.99	1/4	1,635.78	1/4	1,882.58	1/4	2,129.38	1/4	2,376.13
1/2	165.64	1/2	409.85	1/2	653.63	1/2	900.54	1/2	1,147.33	1/2	1,394.13	1/2	1,640.93	1/2	1,887.72	1/2	2,134.52	1/2	2,381.27
3/4	170.79	3/4	414.83	3/4	658.78	3/4	905.68	3/4	1,152.47	3/4	1,399.27	3/4	1,646.07	3/4	1,892.86	3/4	2,139.66	3/4	2,386.40
10	175.94	10	419.82	10	663.94	10	910.82	10	1,157.62	10	1,404.41	10	1,651.21	10	1,898.01	10	2,144.80	10	2,391.54
1/4	181.10	1/4	424.82	1/4	669.09	1/4	915.96	1/4	1,162.76	1/4	1,409.55	1/4	1,656.35	1/4	1,903.15	1/4	2,149.94	1/4	2,396.68
1/2	186.25	1/2	429.82	1/2	674.24	1/2	921.10	1/2	1,167.90	1/2	1,414.70	1/2	1,661.49	1/2	1,908.29	1/2	2,155.09	1/2	2,401.82
3/4	191.41	3/4	434.83	3/4	679.40	3/4	926.25	3/4	1,173.04	3/4	1,419.84	3/4	1,666.63	3/4	1,913.43	3/4	2,160.23	3/4	2,406.95
11	196.56	11	439.83	11	684.55	11	931.39	11	1,178.18	11	1,424.98	11	1,671.78	11	1,918.57	11	2,165.37	11	2,412.09
1/4	201.72	1/4	444.85	1/4	689.70	1/4	936.53	1/4	1,183.32	1/4	1,430.12	1/4	1,676.92	1/4	1,923.71	1/4	2,170.51	1/4	2,417.23
1/2	206.87	1/2	449.87	1/2	694.86	1/2	941.67	1/2	1,188.47	1/2	1,435.26	1/2	1,682.06	1/2	1,928.86	1/2	2,175.65	1/2	2,422.36
3/4	212.03	3/4	454.90	3/4	700.01	3/4	946.81	3/4	1,193.61	3/4	1,440.40	3/4	1,687.20	3/4	1,934.00	3/4	2,180.79	3/4	2,427.50

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "HFL 218S"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,432.64	0	2,676.90	0	2,893.55	0	3,110.21	0	3,326.87	0		0		0		0		0	
1/4	2,437.78	1/4	2,681.41	1/4	2,898.07	1/4	3,114.73	1/4	3,331.38	1/4		1/4		1/4		1/4		1/4	
1/2	2,442.92	1/2	2,685.92	1/2	2,902.58	1/2	3,119.24	1/2	3,335.90	1/2		1/2		1/2		1/2		1/2	
3/4	2,448.06	3/4	2,690.44	3/4	2,907.10	3/4	3,123.75	3/4	3,340.41	3/4		3/4		3/4		3/4		3/4	
1	2,453.20	1	2,694.95	1	2,911.61	1	3,128.27	1	3,344.92	1		1		1		1		1	
1/4	2,458.34	1/4	2,699.47	1/4	2,916.12	1/4	3,132.78	1/4	3,349.44	1/4		1/4		1/4		1/4		1/4	
1/2	2,463.48	1/2	2,703.98	1/2	2,920.64	1/2	3,137.29	1/2	3,353.95	1/2		1/2		1/2		1/2		1/2	
3/4	2,468.63	3/4	2,708.49	3/4	2,925.15	3/4	3,141.81	3/4	3,358.47	3/4		3/4		3/4		3/4		3/4	
2	2,473.77	2	2,713.01	2	2,929.66	2	3,146.32	2	3,362.98	2		2		2		2		2	
1/4	2,478.91	1/4	2,717.52	1/4	2,934.18	1/4	3,150.84	1/4	3,367.49	1/4		1/4		1/4		1/4		1/4	
1/2	2,484.05	1/2	2,722.03	1/2	2,938.69	1/2	3,155.35	1/2	3,372.01	1/2		1/2		1/2		1/2		1/2	
3/4	2,489.19	3/4	2,726.55	3/4	2,943.21	3/4	3,159.86	3/4	3,376.52	3/4		3/4		3/4		3/4		3/4	
3	2,494.33	3	2,731.06	3	2,947.72	3	3,164.38	3	3,381.03	3		3		3		3		3	
1/4	2,499.47	1/4	2,735.58	1/4	2,952.23	1/4	3,168.89	1/4	3,385.55	1/4		1/4		1/4		1/4		1/4	
1/2	2,504.61	1/2	2,740.09	1/2	2,956.75	1/2	3,173.40	1/2	3,390.06	1/2		1/2		1/2		1/2		1/2	
3/4	2,509.75	3/4	2,744.60	3/4	2,961.26	3/4	3,177.92	3/4	3,394.58	3/4		3/4		3/4		3/4		3/4	
4	2,514.89	4	2,749.12	4	2,965.77	4	3,182.43	4	3,399.09	4		4		4		4		4	
1/4	2,520.03	1/4	2,753.63	1/4	2,970.29	1/4	3,186.95	1/4	3,403.59	1/4		1/4		1/4		1/4		1/4	
1/2	2,525.18	1/2	2,758.14	1/2	2,974.80	1/2	3,191.46	1/2	3,408.08	1/2		1/2		1/2		1/2		1/2	
3/4	2,530.32	3/4	2,762.66	3/4	2,979.32	3/4	3,195.97	3/4	3,412.58	3/4		3/4		3/4		3/4		3/4	
5	2,535.46	5	2,767.17	5	2,983.83	5	3,200.49	5	3,417.08	5		5		5		5		5	
1/4	2,540.60	1/4	2,771.68	1/4	2,988.34	1/4	3,205.00	1/4	3,420.73	1/4		1/4		1/4		1/4		1/4	
1/2	2,545.74	1/2	2,776.20	1/2	2,992.86	1/2	3,209.51	1/2	3,424.38	1/2		1/2		1/2		1/2		1/2	
3/4	2,550.88	3/4	2,780.71	3/4	2,997.37	3/4	3,214.03	3/4	3,428.04	3/4		3/4		3/4		3/4		3/4	
6	2,556.02	6	2,785.23	6	3,001.88	6	3,218.54	6	3,431.69	6		6		6		6		6	
1/4	2,561.16	1/4	2,789.74	1/4	3,006.40	1/4	3,223.05	1/4	3,433.63	1/4		1/4		1/4		1/4		1/4	
1/2	2,566.30	1/2	2,794.25	1/2	3,010.91	1/2	3,227.57	1/2	3,435.57	1/2		1/2		1/2		1/2		1/2	
3/4	2,571.44	3/4	2,798.77	3/4	3,015.42	3/4	3,232.08	3/4	3,437.50	3/4		3/4		3/4		3/4		3/4	
7	2,576.58	7	2,803.28	7	3,019.94	7	3,236.60	7	3,439.44	7		7		7		7		7	
1/4	2,581.73	1/4	2,807.79	1/4	3,024.45	1/4	3,241.11	1/4	3,439.66	1/4		1/4		1/4		1/4		1/4	
1/2	2,586.87	1/2	2,812.31	1/2	3,028.97	1/2	3,245.62	1/2	3,439.87	1/2		1/2		1/2		1/2		1/2	
3/4	2,592.01	3/4	2,816.82	3/4	3,033.48	3/4	3,250.14	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,597.15	8	2,821.34	8	3,037.99	8	3,254.65	8		8		8		8		8		8	
1/4	2,602.29	1/4	2,825.85	1/4	3,042.51	1/4	3,259.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,607.43	1/2	2,830.36	1/2	3,047.02	1/2	3,263.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,612.57	3/4	2,834.88	3/4	3,051.53	3/4	3,268.19	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,617.71	9	2,839.39	9	3,056.05	9	3,272.71	9		9		9		9		9		9	
1/4	2,622.85	1/4	2,843.90	1/4	3,060.56	1/4	3,277.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,627.99	1/2	2,848.42	1/2	3,065.08	1/2	3,281.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,633.13	3/4	2,852.93	3/4	3,069.59	3/4	3,286.25	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,638.28	10	2,857.45	10	3,074.10	10	3,290.76	10		10		10		10		10		10	
1/4	2,643.42	1/4	2,861.96	1/4	3,078.62	1/4	3,295.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,648.56	1/2	2,866.47	1/2	3,083.13	1/2	3,299.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,653.70	3/4	2,870.99	3/4	3,087.64	3/4	3,304.30	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,658.84	11	2,875.50	11	3,092.16	11	3,308.82	11		11		11		11		11		11	
1/4	2,663.98	1/4	2,880.01	1/4	3,096.67	1/4	3,313.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,667.87	1/2	2,884.53	1/2	3,101.18	1/2	3,317.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,672.38	3/4	2,889.04	3/4	3,105.70	3/4	3,322.36	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2021 JS
CALCULATED: 07/30/2021 CL
PRINTED: 07/30/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

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



BARGE "HFL 218S"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-09"

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	0.93	0	242.54	0	512.31	0	788.06	0	1,064.50	0	1,340.95	0	1,617.40	0	1,893.84	0	2,170.29	0	2,446.74
1/4	1.89	1/4	248.30	1/4	517.90	1/4	793.82	1/4	1,070.26	1/4	1,346.71	1/4	1,623.16	1/4	1,899.60	1/4	2,176.05	1/4	2,452.49
1/2	2.85	1/2	254.06	1/2	523.48	1/2	799.58	1/2	1,076.02	1/2	1,352.47	1/2	1,628.92	1/2	1,905.36	1/2	2,181.81	1/2	2,458.25
3/4	3.81	3/4	259.81	3/4	529.06	3/4	805.34	3/4	1,081.78	3/4	1,358.23	3/4	1,634.67	3/4	1,911.12	3/4	2,187.57	3/4	2,464.01
1	4.77	1	265.57	1	534.65	1	811.09	1	1,087.54	1	1,363.99	1	1,640.43	1	1,916.88	1	2,193.33	1	2,469.77
1/4	7.65	1/4	271.33	1/4	540.41	1/4	816.85	1/4	1,093.30	1/4	1,369.75	1/4	1,646.19	1/4	1,922.64	1/4	2,199.09	1/4	2,475.53
1/2	10.53	1/2	277.09	1/2	546.17	1/2	822.61	1/2	1,099.06	1/2	1,375.51	1/2	1,651.95	1/2	1,928.40	1/2	2,204.85	1/2	2,481.29
3/4	13.41	3/4	282.85	3/4	551.93	3/4	828.37	3/4	1,104.82	3/4	1,381.27	3/4	1,657.71	3/4	1,934.16	3/4	2,210.60	3/4	2,487.05
2	16.29	2	288.61	2	557.69	2	834.13	2	1,110.58	2	1,387.02	2	1,663.47	2	1,939.92	2	2,216.36	2	2,492.81
1/4	21.09	1/4	294.37	1/4	563.44	1/4	839.89	1/4	1,116.34	1/4	1,392.78	1/4	1,669.23	1/4	1,945.68	1/4	2,222.12	1/4	2,498.57
1/2	25.88	1/2	300.13	1/2	569.20	1/2	845.65	1/2	1,122.10	1/2	1,398.54	1/2	1,674.99	1/2	1,951.44	1/2	2,227.88	1/2	2,504.33
3/4	30.68	3/4	305.89	3/4	574.96	3/4	851.41	3/4	1,127.86	3/4	1,404.30	3/4	1,680.75	3/4	1,957.20	3/4	2,233.64	3/4	2,510.09
3	35.48	3	311.65	3	580.72	3	857.17	3	1,133.62	3	1,410.06	3	1,686.51	3	1,962.95	3	2,239.40	3	2,515.85
1/4	41.19	1/4	317.22	1/4	586.48	1/4	862.93	1/4	1,139.37	1/4	1,415.82	1/4	1,692.27	1/4	1,968.71	1/4	2,245.16	1/4	2,521.61
1/2	46.90	1/2	322.79	1/2	592.24	1/2	868.69	1/2	1,145.13	1/2	1,421.58	1/2	1,698.03	1/2	1,974.47	1/2	2,250.92	1/2	2,527.37
3/4	52.61	3/4	328.36	3/4	598.00	3/4	874.45	3/4	1,150.89	3/4	1,427.34	3/4	1,703.79	3/4	1,980.23	3/4	2,256.68	3/4	2,533.13
4	58.31	4	333.94	4	603.76	4	880.21	4	1,156.65	4	1,433.10	4	1,709.55	4	1,985.99	4	2,262.44	4	2,538.88
1/4	64.06	1/4	339.51	1/4	609.52	1/4	885.97	1/4	1,162.41	1/4	1,438.86	1/4	1,715.30	1/4	1,991.75	1/4	2,268.20	1/4	2,544.64
1/2	69.80	1/2	345.08	1/2	615.28	1/2	891.72	1/2	1,168.17	1/2	1,444.62	1/2	1,721.06	1/2	1,997.51	1/2	2,273.96	1/2	2,550.40
3/4	75.55	3/4	350.66	3/4	621.04	3/4	897.48	3/4	1,173.93	3/4	1,450.38	3/4	1,726.82	3/4	2,003.27	3/4	2,279.72	3/4	2,556.16
5	81.29	5	356.23	5	626.80	5	903.24	5	1,179.69	5	1,456.14	5	1,732.58	5	2,009.03	5	2,285.48	5	2,561.92
1/4	87.05	1/4	361.80	1/4	632.56	1/4	909.00	1/4	1,185.45	1/4	1,461.90	1/4	1,738.34	1/4	2,014.79	1/4	2,291.23	1/4	2,567.68
1/2	92.81	1/2	367.38	1/2	638.32	1/2	914.76	1/2	1,191.21	1/2	1,467.65	1/2	1,744.10	1/2	2,020.55	1/2	2,296.99	1/2	2,573.44
3/4	98.56	3/4	372.95	3/4	644.07	3/4	920.52	3/4	1,196.97	3/4	1,473.41	3/4	1,749.86	3/4	2,026.31	3/4	2,302.75	3/4	2,579.20
6	104.32	6	378.52	6	649.83	6	926.28	6	1,202.73	6	1,479.17	6	1,755.62	6	2,032.07	6	2,308.51	6	2,584.96
1/4	110.08	1/4	384.09	1/4	655.59	1/4	932.04	1/4	1,208.49	1/4	1,484.93	1/4	1,761.38	1/4	2,037.83	1/4	2,314.27	1/4	2,590.72
1/2	115.84	1/2	389.67	1/2	661.35	1/2	937.80	1/2	1,214.25	1/2	1,490.69	1/2	1,767.14	1/2	2,043.58	1/2	2,320.03	1/2	2,596.48
3/4	121.60	3/4	395.24	3/4	667.11	3/4	943.56	3/4	1,220.00	3/4	1,496.45	3/4	1,772.90	3/4	2,049.34	3/4	2,325.79	3/4	2,602.24
7	127.36	7	400.81	7	672.87	7	949.32	7	1,225.76	7	1,502.21	7	1,778.66	7	2,055.10	7	2,331.55	7	2,608.00
1/4	133.12	1/4	406.39	1/4	678.63	1/4	955.08	1/4	1,231.52	1/4	1,507.97	1/4	1,784.42	1/4	2,060.86	1/4	2,337.31	1/4	2,613.76
1/2	138.88	1/2	411.96	1/2	684.39	1/2	960.84	1/2	1,237.28	1/2	1,513.73	1/2	1,790.18	1/2	2,066.62	1/2	2,343.07	1/2	2,619.51
3/4	144.63	3/4	417.53	3/4	690.15	3/4	966.60	3/4	1,243.04	3/4	1,519.49	3/4	1,795.93	3/4	2,072.38	3/4	2,348.83	3/4	2,625.27
8	150.39	8	423.11	8	695.91	8	972.35	8	1,248.80	8	1,525.25	8	1,801.69	8	2,078.14	8	2,354.59	8	2,631.03
1/4	156.15	1/4	428.68	1/4	701.67	1/4	978.11	1/4	1,254.56	1/4	1,531.01	1/4	1,807.45	1/4	2,083.90	1/4	2,360.35	1/4	2,636.79
1/2	161.91	1/2	434.25	1/2	707.43	1/2	983.87	1/2	1,260.32	1/2	1,536.77	1/2	1,813.21	1/2	2,089.66	1/2	2,366.11	1/2	2,642.55
3/4	167.67	3/4	439.82	3/4	713.19	3/4	989.63	3/4	1,266.08	3/4	1,542.53	3/4	1,818.97	3/4	2,095.42	3/4	2,371.86	3/4	2,648.31
9	173.43	9	445.40	9	718.95	9	995.39	9	1,271.84	9	1,548.28	9	1,824.73	9	2,101.18	9	2,377.62	9	2,654.07
1/4	179.19	1/4	450.97	1/4	724.70	1/4	1,001.15	1/4	1,277.60	1/4	1,554.04	1/4	1,830.49	1/4	2,106.94	1/4	2,383.38	1/4	2,659.83
1/2	184.95	1/2	456.54	1/2	730.46	1/2	1,006.91	1/2	1,283.36	1/2	1,559.80	1/2	1,836.25	1/2	2,112.70	1/2	2,389.14	1/2	2,665.59
3/4	190.71	3/4	462.12	3/4	736.22	3/4	1,012.67	3/4	1,289.12	3/4	1,565.56	3/4	1,842.01	3/4	2,118.46	3/4	2,394.90	3/4	2,671.35
10	196.47	10	467.69	10	741.98	10	1,018.43	10	1,294.88	10	1,571.32	10	1,847.77	10	2,124.21	10	2,400.66	10	2,677.11
1/4	202.22	1/4	473.26	1/4	747.74	1/4	1,024.19	1/4	1,300.63	1/4	1,577.08	1/4	1,853.53	1/4	2,129.97	1/4	2,406.42	1/4	2,682.87
1/2	207.98	1/2	478.84	1/2	753.50	1/2	1,029.95	1/2	1,306.39	1/2	1,582.84	1/2	1,859.29	1/2	2,135.73	1/2	2,412.18	1/2	2,688.63
3/4	213.74	3/4	484.41	3/4	759.26	3/4	1,035.71	3/4	1,312.15	3/4	1,588.60	3/4	1,865.05	3/4	2,141.49	3/4	2,417.94	3/4	2,694.39
11	219.50	11	489.98	11	765.02	11	1,041.47	11	1,317.91	11	1,594.36	11	1,870.81	11	2,147.25	11	2,423.70	11	2,700.14
1/4	225.26	1/4	495.56	1/4	770.78	1/4	1,047.23	1/4	1,323.67	1/4	1,600.12	1/4	1,876.56	1/4	2,153.01	1/4	2,429.46	1/4	2,705.90
1/2	231.02	1/2	501.15	1/2	776.54	1/2	1,052.99	1/2	1,329.43	1/2	1,605.88	1/2	1,882.32	1/2	2,158.77	1/2	2,435.22	1/2	2,711.66
3/4	236.78	3/4	506.73	3/4	782.30	3/4	1,058.74	3/4	1,335.19	3/4	1,611.64	3/4	1,888.08	3/4	2,164.53	3/4	2,440.98	3/4	2,717.42

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 INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 31'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HFL 218S"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,723.18	0	2,999.63	0	3,276.07	0	3,552.52	0	3,828.97	0		0		0		0		0	
1/4	2,728.94	1/4	3,005.39	1/4	3,281.83	1/4	3,558.28	1/4	3,834.73	1/4		1/4		1/4		1/4		1/4	
1/2	2,734.70	1/2	3,011.15	1/2	3,287.59	1/2	3,564.04	1/2	3,840.49	1/2		1/2		1/2		1/2		1/2	
3/4	2,740.46	3/4	3,016.91	3/4	3,293.35	3/4	3,569.80	3/4	3,846.25	3/4		3/4		3/4		3/4		3/4	
1	2,746.22	1	3,022.67	1	3,299.11	1	3,575.56	1	3,852.00	1		1		1		1		1	
1/4	2,751.98	1/4	3,028.42	1/4	3,304.87	1/4	3,581.32	1/4	3,857.76	1/4		1/4		1/4		1/4		1/4	
1/2	2,757.74	1/2	3,034.18	1/2	3,310.63	1/2	3,587.08	1/2	3,863.52	1/2		1/2		1/2		1/2		1/2	
3/4	2,763.50	3/4	3,039.94	3/4	3,316.39	3/4	3,592.84	3/4	3,869.28	3/4		3/4		3/4		3/4		3/4	
2	2,769.26	2	3,045.70	2	3,322.15	2	3,598.60	2	3,875.04	2		2		2		2		2	
1/4	2,775.02	1/4	3,051.46	1/4	3,327.91	1/4	3,604.35	1/4	3,880.80	1/4		1/4		1/4		1/4		1/4	
1/2	2,780.78	1/2	3,057.22	1/2	3,333.67	1/2	3,610.11	1/2	3,886.56	1/2		1/2		1/2		1/2		1/2	
3/4	2,786.53	3/4	3,062.98	3/4	3,339.43	3/4	3,615.87	3/4	3,892.32	3/4		3/4		3/4		3/4		3/4	
3	2,792.29	3	3,068.74	3	3,345.19	3	3,621.63	3	3,898.08	3		3		3		3		3	
1/4	2,798.05	1/4	3,074.50	1/4	3,350.95	1/4	3,627.39	1/4	3,903.84	1/4		1/4		1/4		1/4		1/4	
1/2	2,803.81	1/2	3,080.26	1/2	3,356.71	1/2	3,633.15	1/2	3,909.60	1/2		1/2		1/2		1/2		1/2	
3/4	2,809.57	3/4	3,086.02	3/4	3,362.46	3/4	3,638.91	3/4	3,915.36	3/4		3/4		3/4		3/4		3/4	
4	2,815.33	4	3,091.78	4	3,368.22	4	3,644.67	4	3,921.12	4		4		4		4		4	
1/4	2,821.09	1/4	3,097.54	1/4	3,373.98	1/4	3,650.43	1/4	3,926.85	1/4		1/4		1/4		1/4		1/4	
1/2	2,826.85	1/2	3,103.30	1/2	3,379.74	1/2	3,656.19	1/2	3,932.59	1/2		1/2		1/2		1/2		1/2	
3/4	2,832.61	3/4	3,109.06	3/4	3,385.50	3/4	3,661.95	3/4	3,938.33	3/4		3/4		3/4		3/4		3/4	
5	2,838.37	5	3,114.81	5	3,391.26	5	3,667.71	5	3,944.06	5		5		5		5		5	
1/4	2,844.13	1/4	3,120.57	1/4	3,397.02	1/4	3,673.47	1/4	3,948.86	1/4		1/4		1/4		1/4		1/4	
1/2	2,849.89	1/2	3,126.33	1/2	3,402.78	1/2	3,679.23	1/2	3,953.66	1/2		1/2		1/2		1/2		1/2	
3/4	2,855.65	3/4	3,132.09	3/4	3,408.54	3/4	3,684.99	3/4	3,958.46	3/4		3/4		3/4		3/4		3/4	
6	2,861.41	6	3,137.85	6	3,414.30	6	3,690.74	6	3,963.26	6		6		6		6		6	
1/4	2,867.16	1/4	3,143.61	1/4	3,420.06	1/4	3,696.50	1/4	3,966.14	1/4		1/4		1/4		1/4		1/4	
1/2	2,872.92	1/2	3,149.37	1/2	3,425.82	1/2	3,702.26	1/2	3,969.02	1/2		1/2		1/2		1/2		1/2	
3/4	2,878.68	3/4	3,155.13	3/4	3,431.58	3/4	3,708.02	3/4	3,971.90	3/4		3/4		3/4		3/4		3/4	
7	2,884.44	7	3,160.89	7	3,437.34	7	3,713.78	7	3,974.78	7		7		7		7		7	
1/4	2,890.20	1/4	3,166.65	1/4	3,443.09	1/4	3,719.54	1/4	3,975.74	1/4		1/4		1/4		1/4		1/4	
1/2	2,895.96	1/2	3,172.41	1/2	3,448.85	1/2	3,725.30	1/2	3,976.70	1/2		1/2		1/2		1/2		1/2	
3/4	2,901.72	3/4	3,178.17	3/4	3,454.61	3/4	3,731.06	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,907.48	8	3,183.93	8	3,460.37	8	3,736.82	8		8		8		8		8		8	
1/4	2,913.24	1/4	3,189.69	1/4	3,466.13	1/4	3,742.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,919.00	1/2	3,195.44	1/2	3,471.89	1/2	3,748.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,924.76	3/4	3,201.20	3/4	3,477.65	3/4	3,754.10	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,930.52	9	3,206.96	9	3,483.41	9	3,759.86	9		9		9		9		9		9	
1/4	2,936.28	1/4	3,212.72	1/4	3,489.17	1/4	3,765.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,942.04	1/2	3,218.48	1/2	3,494.93	1/2	3,771.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,947.79	3/4	3,224.24	3/4	3,500.69	3/4	3,777.13	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,953.55	10	3,230.00	10	3,506.45	10	3,782.89	10		10		10		10		10		10	
1/4	2,959.31	1/4	3,235.76	1/4	3,512.21	1/4	3,788.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,965.07	1/2	3,241.52	1/2	3,517.97	1/2	3,794.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,970.83	3/4	3,247.28	3/4	3,523.72	3/4	3,800.17	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,976.59	11	3,253.04	11	3,529.48	11	3,805.93	11		11		11		11		11		11	
1/4	2,982.35	1/4	3,258.80	1/4	3,535.24	1/4	3,811.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,988.11	1/2	3,264.56	1/2	3,541.00	1/2	3,817.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,993.87	3/4	3,270.32	3/4	3,546.76	3/4	3,823.21	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2021 JS
CALCULATED: 07/30/2021 CL
PRINTED: 07/30/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HFL 218S"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-08 3/4"

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	215.67	0	460.94	0	706.60	0	952.30	0	1,197.99	0	1,443.68	0	1,689.38	0	1,935.07	0	2,180.76
1/4	1.79	1/4	220.79	1/4	466.05	1/4	711.72	1/4	957.42	1/4	1,203.11	1/4	1,448.80	1/4	1,694.49	1/4	1,940.19	1/4	2,185.88
1/2	2.64	1/2	225.91	1/2	471.16	1/2	716.84	1/2	962.53	1/2	1,208.23	1/2	1,453.92	1/2	1,699.61	1/2	1,945.31	1/2	2,191.00
3/4	3.50	3/4	231.02	3/4	476.27	3/4	721.96	3/4	967.65	3/4	1,213.35	3/4	1,459.04	3/4	1,704.73	3/4	1,950.42	3/4	2,196.12
1	4.35	1	236.14	1	481.39	1	727.08	1	972.77	1	1,218.46	1	1,464.16	1	1,709.85	1	1,955.54	1	2,201.24
1/4	6.91	1/4	241.26	1/4	486.50	1/4	732.20	1/4	977.89	1/4	1,223.58	1/4	1,469.28	1/4	1,714.97	1/4	1,960.66	1/4	2,206.35
1/2	9.47	1/2	246.38	1/2	491.62	1/2	737.32	1/2	983.01	1/2	1,228.70	1/2	1,474.39	1/2	1,720.09	1/2	1,965.78	1/2	2,211.47
3/4	12.03	3/4	251.50	3/4	496.74	3/4	742.43	3/4	988.13	3/4	1,233.82	3/4	1,479.51	3/4	1,725.21	3/4	1,970.90	3/4	2,216.59
2	14.58	2	256.62	2	501.86	2	747.55	2	993.25	2	1,238.94	2	1,484.63	2	1,730.32	2	1,976.02	2	2,221.71
1/4	18.85	1/4	261.74	1/4	506.98	1/4	752.67	1/4	998.36	1/4	1,244.06	1/4	1,489.75	1/4	1,735.44	1/4	1,981.14	1/4	2,226.83
1/2	23.11	1/2	266.85	1/2	512.10	1/2	757.79	1/2	1,003.48	1/2	1,249.18	1/2	1,494.87	1/2	1,740.56	1/2	1,986.25	1/2	2,231.95
3/4	27.37	3/4	271.97	3/4	517.22	3/4	762.91	3/4	1,008.60	3/4	1,254.29	3/4	1,499.99	3/4	1,745.68	3/4	1,991.37	3/4	2,237.07
3	31.64	3	277.09	3	522.33	3	768.03	3	1,013.72	3	1,259.41	3	1,505.11	3	1,750.80	3	1,996.49	3	2,242.18
1/4	36.71	1/4	282.20	1/4	527.45	1/4	773.15	1/4	1,018.84	1/4	1,264.53	1/4	1,510.22	1/4	1,755.92	1/4	2,001.61	1/4	2,247.30
1/2	41.79	1/2	287.30	1/2	532.57	1/2	778.26	1/2	1,023.96	1/2	1,269.65	1/2	1,515.34	1/2	1,761.04	1/2	2,006.73	1/2	2,252.42
3/4	46.86	3/4	292.41	3/4	537.69	3/4	783.38	3/4	1,029.08	3/4	1,274.77	3/4	1,520.46	3/4	1,766.15	3/4	2,011.85	3/4	2,257.54
4	51.93	4	297.52	4	542.81	4	788.50	4	1,034.19	4	1,279.89	4	1,525.58	4	1,771.27	4	2,016.97	4	2,262.66
1/4	57.04	1/4	302.62	1/4	547.93	1/4	793.62	1/4	1,039.31	1/4	1,285.01	1/4	1,530.70	1/4	1,776.39	1/4	2,022.08	1/4	2,267.78
1/2	62.15	1/2	307.73	1/2	553.05	1/2	798.74	1/2	1,044.43	1/2	1,290.12	1/2	1,535.82	1/2	1,781.51	1/2	2,027.20	1/2	2,272.90
3/4	67.25	3/4	312.84	3/4	558.16	3/4	803.86	3/4	1,049.55	3/4	1,295.24	3/4	1,540.94	3/4	1,786.63	3/4	2,032.32	3/4	2,278.01
5	72.36	5	317.94	5	563.28	5	808.98	5	1,054.67	5	1,300.36	5	1,546.05	5	1,791.75	5	2,037.44	5	2,283.13
1/4	77.47	1/4	323.05	1/4	568.40	1/4	814.09	1/4	1,059.79	1/4	1,305.48	1/4	1,551.17	1/4	1,796.87	1/4	2,042.56	1/4	2,288.25
1/2	82.59	1/2	328.15	1/2	573.52	1/2	819.21	1/2	1,064.91	1/2	1,310.60	1/2	1,556.29	1/2	1,801.98	1/2	2,047.68	1/2	2,293.37
3/4	87.71	3/4	333.26	3/4	578.64	3/4	824.33	3/4	1,070.02	3/4	1,315.72	3/4	1,561.41	3/4	1,807.10	3/4	2,052.80	3/4	2,298.49
6	92.82	6	338.37	6	583.76	6	829.45	6	1,075.14	6	1,320.84	6	1,566.53	6	1,812.22	6	2,057.91	6	2,303.61
1/4	97.94	1/4	343.47	1/4	588.88	1/4	834.57	1/4	1,080.26	1/4	1,325.95	1/4	1,571.65	1/4	1,817.34	1/4	2,063.03	1/4	2,308.73
1/2	103.06	1/2	348.58	1/2	593.99	1/2	839.69	1/2	1,085.38	1/2	1,331.07	1/2	1,576.77	1/2	1,822.46	1/2	2,068.15	1/2	2,313.84
3/4	108.18	3/4	353.69	3/4	599.11	3/4	844.81	3/4	1,090.50	3/4	1,336.19	3/4	1,581.88	3/4	1,827.58	3/4	2,073.27	3/4	2,318.96
7	113.30	7	358.79	7	604.23	7	849.92	7	1,095.62	7	1,341.31	7	1,587.00	7	1,832.70	7	2,078.39	7	2,324.08
1/4	118.42	1/4	363.90	1/4	609.35	1/4	855.04	1/4	1,100.74	1/4	1,346.43	1/4	1,592.12	1/4	1,837.81	1/4	2,083.51	1/4	2,329.20
1/2	123.54	1/2	369.01	1/2	614.47	1/2	860.16	1/2	1,105.85	1/2	1,351.55	1/2	1,597.24	1/2	1,842.93	1/2	2,088.63	1/2	2,334.32
3/4	128.65	3/4	374.11	3/4	619.59	3/4	865.28	3/4	1,110.97	3/4	1,356.67	3/4	1,602.36	3/4	1,848.05	3/4	2,093.74	3/4	2,339.44
8	133.77	8	379.22	8	624.71	8	870.40	8	1,116.09	8	1,361.78	8	1,607.48	8	1,853.17	8	2,098.86	8	2,344.56
1/4	138.89	1/4	384.32	1/4	629.83	1/4	875.52	1/4	1,121.21	1/4	1,366.90	1/4	1,612.60	1/4	1,858.29	1/4	2,103.98	1/4	2,349.67
1/2	144.01	1/2	389.43	1/2	634.94	1/2	880.64	1/2	1,126.33	1/2	1,372.02	1/2	1,617.71	1/2	1,863.41	1/2	2,109.10	1/2	2,354.79
3/4	149.13	3/4	394.54	3/4	640.06	3/4	885.76	3/4	1,131.45	3/4	1,377.14	3/4	1,622.83	3/4	1,868.53	3/4	2,114.22	3/4	2,359.91
9	154.25	9	399.64	9	645.18	9	890.87	9	1,136.57	9	1,382.26	9	1,627.95	9	1,873.64	9	2,119.34	9	2,365.03
1/4	159.37	1/4	404.75	1/4	650.30	1/4	895.99	1/4	1,141.69	1/4	1,387.38	1/4	1,633.07	1/4	1,878.76	1/4	2,124.46	1/4	2,370.15
1/2	164.48	1/2	409.86	1/2	655.42	1/2	901.11	1/2	1,146.80	1/2	1,392.50	1/2	1,638.19	1/2	1,883.88	1/2	2,129.57	1/2	2,375.27
3/4	169.60	3/4	414.96	3/4	660.54	3/4	906.23	3/4	1,151.92	3/4	1,397.62	3/4	1,643.31	3/4	1,889.00	3/4	2,134.69	3/4	2,380.39
10	174.72	10	420.07	10	665.66	10	911.35	10	1,157.04	10	1,402.73	10	1,648.43	10	1,894.12	10	2,139.81	10	2,385.50
1/4	179.84	1/4	425.18	1/4	670.77	1/4	916.47	1/4	1,162.16	1/4	1,407.85	1/4	1,653.55	1/4	1,899.24	1/4	2,144.93	1/4	2,390.62
1/2	184.96	1/2	430.28	1/2	675.89	1/2	921.59	1/2	1,167.28	1/2	1,412.97	1/2	1,658.66	1/2	1,904.36	1/2	2,150.05	1/2	2,395.74
3/4	190.08	3/4	435.39	3/4	681.01	3/4	926.70	3/4	1,172.40	3/4	1,418.09	3/4	1,663.78	3/4	1,909.48	3/4	2,155.17	3/4	2,400.86
11	195.19	11	440.50	11	686.13	11	931.82	11	1,177.52	11	1,423.21	11	1,668.90	11	1,914.59	11	2,160.29	11	2,405.98
1/4	200.31	1/4	445.61	1/4	691.25	1/4	936.94	1/4	1,182.63	1/4	1,428.33	1/4	1,674.02	1/4	1,919.71	1/4	2,165.41	1/4	2,411.10
1/2	205.43	1/2	450.72	1/2	696.37	1/2	942.06	1/2	1,187.75	1/2	1,433.45	1/2	1,679.14	1/2	1,924.83	1/2	2,170.52	1/2	2,416.22
3/4	210.55	3/4	455.83	3/4	701.49	3/4	947.18	3/4	1,192.87	3/4	1,438.56	3/4	1,684.26	3/4	1,929.95	3/4	2,175.64	3/4	2,421.34

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

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HFL 218S"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,426.45	0	2,672.15	0	2,917.84	0	3,163.53	0	3,409.22	0		0		0		0		0	
1/4	2,431.57	1/4	2,677.27	1/4	2,922.96	1/4	3,168.65	1/4	3,414.34	1/4		1/4		1/4		1/4		1/4	
1/2	2,436.69	1/2	2,682.38	1/2	2,928.08	1/2	3,173.77	1/2	3,419.46	1/2		1/2		1/2		1/2		1/2	
3/4	2,441.81	3/4	2,687.50	3/4	2,933.20	3/4	3,178.89	3/4	3,424.58	3/4		3/4		3/4		3/4		3/4	
1	2,446.93	1	2,692.62	1	2,938.31	1	3,184.01	1	3,429.70	1		1		1		1		1	
1/4	2,452.05	1/4	2,697.74	1/4	2,943.43	1/4	3,189.13	1/4	3,434.82	1/4		1/4		1/4		1/4		1/4	
1/2	2,457.17	1/2	2,702.86	1/2	2,948.55	1/2	3,194.24	1/2	3,439.94	1/2		1/2		1/2		1/2		1/2	
3/4	2,462.28	3/4	2,707.98	3/4	2,953.67	3/4	3,199.36	3/4	3,445.06	3/4		3/4		3/4		3/4		3/4	
2	2,467.40	2	2,713.10	2	2,958.79	2	3,204.48	2	3,450.17	2		2		2		2		2	
1/4	2,472.52	1/4	2,718.21	1/4	2,963.91	1/4	3,209.60	1/4	3,455.29	1/4		1/4		1/4		1/4		1/4	
1/2	2,477.64	1/2	2,723.33	1/2	2,969.03	1/2	3,214.72	1/2	3,460.41	1/2		1/2		1/2		1/2		1/2	
3/4	2,482.76	3/4	2,728.45	3/4	2,974.14	3/4	3,219.84	3/4	3,465.53	3/4		3/4		3/4		3/4		3/4	
3	2,487.88	3	2,733.57	3	2,979.26	3	3,224.96	3	3,470.65	3		3		3		3		3	
1/4	2,493.00	1/4	2,738.69	1/4	2,984.38	1/4	3,230.07	1/4	3,475.77	1/4		1/4		1/4		1/4		1/4	
1/2	2,498.11	1/2	2,743.81	1/2	2,989.50	1/2	3,235.19	1/2	3,480.89	1/2		1/2		1/2		1/2		1/2	
3/4	2,503.23	3/4	2,748.93	3/4	2,994.62	3/4	3,240.31	3/4	3,486.00	3/4		3/4		3/4		3/4		3/4	
4	2,508.35	4	2,754.04	4	2,999.74	4	3,245.43	4	3,491.12	4		4		4		4		4	
1/4	2,513.47	1/4	2,759.16	1/4	3,004.86	1/4	3,250.55	1/4	3,496.24	1/4		1/4		1/4		1/4		1/4	
1/2	2,518.59	1/2	2,764.28	1/2	3,009.97	1/2	3,255.67	1/2	3,501.35	1/2		1/2		1/2		1/2		1/2	
3/4	2,523.71	3/4	2,769.40	3/4	3,015.09	3/4	3,260.79	3/4	3,506.46	3/4		3/4		3/4		3/4		3/4	
5	2,528.83	5	2,774.52	5	3,020.21	5	3,265.90	5	3,511.58	5		5		5		5		5	
1/4	2,533.94	1/4	2,779.64	1/4	3,025.33	1/4	3,271.02	1/4	3,515.84	1/4		1/4		1/4		1/4		1/4	
1/2	2,539.06	1/2	2,784.76	1/2	3,030.45	1/2	3,276.14	1/2	3,520.11	1/2		1/2		1/2		1/2		1/2	
3/4	2,544.18	3/4	2,789.87	3/4	3,035.57	3/4	3,281.26	3/4	3,524.37	3/4		3/4		3/4		3/4		3/4	
6	2,549.30	6	2,794.99	6	3,040.69	6	3,286.38	6	3,528.64	6		6		6		6		6	
1/4	2,554.42	1/4	2,800.11	1/4	3,045.80	1/4	3,291.50	1/4	3,531.20	1/4		1/4		1/4		1/4		1/4	
1/2	2,559.54	1/2	2,805.23	1/2	3,050.92	1/2	3,296.62	1/2	3,533.76	1/2		1/2		1/2		1/2		1/2	
3/4	2,564.66	3/4	2,810.35	3/4	3,056.04	3/4	3,301.73	3/4	3,536.32	3/4		3/4		3/4		3/4		3/4	
7	2,569.77	7	2,815.47	7	3,061.16	7	3,306.85	7	3,538.87	7		7		7		7		7	
1/4	2,574.89	1/4	2,820.59	1/4	3,066.28	1/4	3,311.97	1/4	3,539.73	1/4		1/4		1/4		1/4		1/4	
1/2	2,580.01	1/2	2,825.70	1/2	3,071.40	1/2	3,317.09	1/2	3,540.58	1/2		1/2		1/2		1/2		1/2	
3/4	2,585.13	3/4	2,830.82	3/4	3,076.52	3/4	3,322.21	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,590.25	8	2,835.94	8	3,081.63	8	3,327.33	8		8		8		8		8		8	
1/4	2,595.37	1/4	2,841.06	1/4	3,086.75	1/4	3,332.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,600.49	1/2	2,846.18	1/2	3,091.87	1/2	3,337.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,605.60	3/4	2,851.30	3/4	3,096.99	3/4	3,342.68	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,610.72	9	2,856.42	9	3,102.11	9	3,347.80	9		9		9		9		9		9	
1/4	2,615.84	1/4	2,861.53	1/4	3,107.23	1/4	3,352.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,620.96	1/2	2,866.65	1/2	3,112.35	1/2	3,358.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,626.08	3/4	2,871.77	3/4	3,117.46	3/4	3,363.16	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,631.20	10	2,876.89	10	3,122.58	10	3,368.28	10		10		10		10		10		10	
1/4	2,636.32	1/4	2,882.01	1/4	3,127.70	1/4	3,373.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,641.43	1/2	2,887.13	1/2	3,132.82	1/2	3,378.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,646.55	3/4	2,892.25	3/4	3,137.94	3/4	3,383.63	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,651.67	11	2,897.36	11	3,143.06	11	3,388.75	11		11		11		11		11		11	
1/4	2,656.79	1/4	2,902.48	1/4	3,148.18	1/4	3,393.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,661.91	1/2	2,907.60	1/2	3,153.29	1/2	3,398.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,667.03	3/4	2,912.72	3/4	3,158.41	3/4	3,404.11	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HFL 218S"

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