



BARGE "HFL 204S"

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	- 00-0/8	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 ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 162'-06"

December 23, 2018

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

<http://www.pmacorp.net>



BARGE "HFL 204S"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-10 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	1,586.05	0	1,313.06	0	1,040.08	0	770.43	0	501.39	0	227.56	0		0		0		0	
1/4	1,580.36	1/4	1,307.38	1/4	1,034.39	1/4	764.94	1/4	495.68	1/4	221.85	1/4		1/4		1/4		1/4	
1/2	1,574.68	1/2	1,301.69	1/2	1,028.70	1/2	759.45	1/2	489.98	1/2	216.15	1/2		1/2		1/2		1/2	
3/4	1,568.99	3/4	1,296.00	3/4	1,023.02	3/4	753.96	3/4	484.27	3/4	210.44	3/4		3/4		3/4		3/4	
1	1,563.30	1	1,290.32	1	1,017.33	1	748.47	1	478.57	1	204.74	1		1		1		1	
1/4	1,557.61	1/4	1,284.63	1/4	1,011.64	1/4	742.99	1/4	472.86	1/4	199.03	1/4		1/4		1/4		1/4	
1/2	1,551.93	1/2	1,278.94	1/2	1,005.96	1/2	737.50	1/2	467.16	1/2	193.33	1/2		1/2		1/2		1/2	
3/4	1,546.24	3/4	1,273.25	3/4	1,000.27	3/4	732.01	3/4	461.45	3/4	187.62	3/4		3/4		3/4		3/4	
2	1,540.55	2	1,267.57	2	994.58	2	726.52	2	455.75	2	181.92	2		2		2		2	
1/4	1,534.86	1/4	1,261.88	1/4	988.89	1/4	721.03	1/4	450.04	1/4	176.21	1/4		1/4		1/4		1/4	
1/2	1,529.18	1/2	1,256.19	1/2	983.21	1/2	715.54	1/2	444.34	1/2	170.51	1/2		1/2		1/2		1/2	
3/4	1,523.49	3/4	1,250.50	3/4	977.52	3/4	710.05	3/4	438.63	3/4	164.80	3/4		3/4		3/4		3/4	
3	1,517.80	3	1,244.82	3	971.83	3	704.56	3	432.93	3	159.10	3		3		3		3	
1/4	1,512.12	1/4	1,239.13	1/4	966.14	1/4	699.08	1/4	427.22	1/4	153.39	1/4		1/4		1/4		1/4	
1/2	1,506.43	1/2	1,233.44	1/2	960.46	1/2	693.59	1/2	421.52	1/2	147.69	1/2		1/2		1/2		1/2	
3/4	1,500.74	3/4	1,227.76	3/4	954.77	3/4	688.10	3/4	415.81	3/4	141.98	3/4		3/4		3/4		3/4	
4	1,495.05	4	1,222.07	4	949.08	4	682.59	4	410.11	4	136.28	4		4		4		4	
1/4	1,489.37	1/4	1,216.38	1/4	943.40	1/4	677.08	1/4	404.40	1/4	130.57	1/4		1/4		1/4		1/4	
1/2	1,483.68	1/2	1,210.69	1/2	937.71	1/2	671.58	1/2	398.70	1/2	124.87	1/2		1/2		1/2		1/2	
3/4	1,477.99	3/4	1,205.01	3/4	932.02	3/4	666.07	3/4	393.00	3/4	119.16	3/4		3/4		3/4		3/4	
5	1,472.31	5	1,199.32	5	926.33	5	660.47	5	387.29	5	113.46	5		5		5		5	
1/4	1,466.62	1/4	1,193.63	1/4	920.65	1/4	654.87	1/4	381.59	1/4	107.76	1/4		1/4		1/4		1/4	
1/2	1,460.93	1/2	1,187.95	1/2	914.96	1/2	649.27	1/2	375.88	1/2	102.05	1/2		1/2		1/2		1/2	
3/4	1,455.24	3/4	1,182.26	3/4	909.27	3/4	643.67	3/4	370.18	3/4	96.35	3/4		3/4		3/4		3/4	
6	1,449.56	6	1,176.57	6	903.59	6	637.99	6	364.47	6	90.65	6		6		6		6	
1/4	1,443.87	1/4	1,170.88	1/4	897.90	1/4	632.32	1/4	358.77	1/4	84.96	1/4		1/4		1/4		1/4	
1/2	1,438.18	1/2	1,165.20	1/2	892.21	1/2	626.64	1/2	353.06	1/2	79.26	1/2		1/2		1/2		1/2	
3/4	1,432.50	3/4	1,159.51	3/4	886.52	3/4	620.96	3/4	347.36	3/4	73.56	3/4		3/4		3/4		3/4	
7	1,426.81	7	1,153.82	7	880.91	7	615.28	7	341.65	7	67.89	7		7		7		7	
1/4	1,421.12	1/4	1,148.14	1/4	875.29	1/4	609.60	1/4	335.95	1/4	62.22	1/4		1/4		1/4		1/4	
1/2	1,415.43	1/2	1,142.45	1/2	869.68	1/2	603.91	1/2	330.24	1/2	56.54	1/2		1/2		1/2		1/2	
3/4	1,409.75	3/4	1,136.76	3/4	864.06	3/4	598.23	3/4	324.54	3/4	50.87	3/4		3/4		3/4		3/4	
8	1,404.06	8	1,131.07	8	858.54	8	592.53	8	318.83	8	45.67	8		8		8		8	
1/4	1,398.37	1/4	1,125.39	1/4	853.01	1/4	586.84	1/4	313.13	1/4	40.46	1/4		1/4		1/4		1/4	
1/2	1,392.68	1/2	1,119.70	1/2	847.49	1/2	581.15	1/2	307.42	1/2	35.26	1/2		1/2		1/2		1/2	
3/4	1,387.00	3/4	1,114.01	3/4	841.96	3/4	575.46	3/4	301.72	3/4	30.06	3/4		3/4		3/4		3/4	
9	1,381.31	9	1,108.32	9	836.46	9	569.76	9	296.01	9	26.25	9		9		9		9	
1/4	1,375.62	1/4	1,102.64	1/4	830.95	1/4	564.07	1/4	290.31	1/4	22.45	1/4		1/4		1/4		1/4	
1/2	1,369.94	1/2	1,096.95	1/2	825.44	1/2	558.38	1/2	284.60	1/2	18.65	1/2		1/2		1/2		1/2	
3/4	1,364.25	3/4	1,091.26	3/4	819.94	3/4	552.68	3/4	278.90	3/4	14.85	3/4		3/4		3/4		3/4	
10	1,358.56	10	1,085.58	10	814.43	10	546.99	10	273.19	10	12.95	10		10		10		10	
1/4	1,352.87	1/4	1,079.89	1/4	808.92	1/4	541.29	1/4	267.49	1/4	11.05	1/4		1/4		1/4		1/4	
1/2	1,347.19	1/2	1,074.20	1/2	803.42	1/2	535.59	1/2	261.78	1/2	9.14	1/2		1/2		1/2		1/2	
3/4	1,341.50	3/4	1,068.51	3/4	797.91	3/4	529.90	3/4	256.08	3/4	7.24	3/4		3/4		3/4		3/4	
11	1,335.81	11	1,062.83	11	792.41	11	524.20	11	250.38	11		11		11		11		11	
1/4	1,330.13	1/4	1,057.14	1/4	786.91	1/4	518.50	1/4	244.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,324.44	1/2	1,051.45	1/2	781.42	1/2	512.79	1/2	238.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,318.75	3/4	1,045.77	3/4	775.92	3/4	507.09	3/4	233.26	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/19/2018 SW
CALCULATED: 12/22/2018 CL
PRINTED: 12/23/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HFL 204S"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-11 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	1,447.48	0	1,199.19	0	950.90	0	705.32	0	460.72	0	212.45	0		0		0		0	
1/4	1,442.30	1/4	1,194.01	1/4	945.72	1/4	700.31	1/4	455.55	1/4	207.28	1/4		1/4		1/4		1/4	
1/2	1,437.13	1/2	1,188.84	1/2	940.55	1/2	695.30	1/2	450.38	1/2	202.10	1/2		1/2		1/2		1/2	
3/4	1,431.96	3/4	1,183.67	3/4	935.38	3/4	690.29	3/4	445.21	3/4	196.93	3/4		3/4		3/4		3/4	
1	1,426.79	1	1,178.50	1	930.21	1	685.28	1	440.03	1	191.76	1		1		1		1	
1/4	1,421.61	1/4	1,173.32	1/4	925.03	1/4	680.27	1/4	434.86	1/4	186.59	1/4		1/4		1/4		1/4	
1/2	1,416.44	1/2	1,168.15	1/2	919.86	1/2	675.26	1/2	429.69	1/2	181.41	1/2		1/2		1/2		1/2	
3/4	1,411.27	3/4	1,162.98	3/4	914.69	3/4	670.25	3/4	424.52	3/4	176.24	3/4		3/4		3/4		3/4	
2	1,406.10	2	1,157.81	2	909.52	2	665.24	2	419.34	2	171.07	2		2		2		2	
1/4	1,400.92	1/4	1,152.63	1/4	904.34	1/4	660.23	1/4	414.17	1/4	165.90	1/4		1/4		1/4		1/4	
1/2	1,395.75	1/2	1,147.46	1/2	899.17	1/2	655.22	1/2	409.00	1/2	160.72	1/2		1/2		1/2		1/2	
3/4	1,390.58	3/4	1,142.29	3/4	894.00	3/4	650.21	3/4	403.83	3/4	155.55	3/4		3/4		3/4		3/4	
3	1,385.40	3	1,137.11	3	888.83	3	645.20	3	398.66	3	150.38	3		3		3		3	
1/4	1,380.23	1/4	1,131.94	1/4	883.65	1/4	640.19	1/4	393.48	1/4	145.21	1/4		1/4		1/4		1/4	
1/2	1,375.06	1/2	1,126.77	1/2	878.48	1/2	635.18	1/2	388.31	1/2	140.04	1/2		1/2		1/2		1/2	
3/4	1,369.89	3/4	1,121.60	3/4	873.31	3/4	630.17	3/4	383.14	3/4	134.86	3/4		3/4		3/4		3/4	
4	1,364.71	4	1,116.42	4	868.13	4	625.16	4	377.97	4	129.69	4		4		4		4	
1/4	1,359.54	1/4	1,111.25	1/4	862.96	1/4	620.15	1/4	372.79	1/4	124.52	1/4		1/4		1/4		1/4	
1/2	1,354.37	1/2	1,106.08	1/2	857.79	1/2	615.13	1/2	367.62	1/2	119.35	1/2		1/2		1/2		1/2	
3/4	1,349.20	3/4	1,100.91	3/4	852.62	3/4	610.11	3/4	362.45	3/4	114.17	3/4		3/4		3/4		3/4	
5	1,344.02	5	1,095.73	5	847.44	5	605.10	5	357.28	5	109.00	5		5		5		5	
1/4	1,338.85	1/4	1,090.56	1/4	842.27	1/4	600.08	1/4	352.10	1/4	103.83	1/4		1/4		1/4		1/4	
1/2	1,333.68	1/2	1,085.39	1/2	837.10	1/2	594.98	1/2	346.93	1/2	98.66	1/2		1/2		1/2		1/2	
3/4	1,328.50	3/4	1,080.22	3/4	831.93	3/4	589.89	3/4	341.76	3/4	93.49	3/4		3/4		3/4		3/4	
6	1,323.33	6	1,075.04	6	826.75	6	584.79	6	336.59	6	88.31	6		6		6		6	
1/4	1,318.16	1/4	1,069.87	1/4	821.58	1/4	579.69	1/4	331.41	1/4	83.14	1/4		1/4		1/4		1/4	
1/2	1,312.99	1/2	1,064.70	1/2	816.41	1/2	574.52	1/2	326.24	1/2	77.98	1/2		1/2		1/2		1/2	
3/4	1,307.81	3/4	1,059.52	3/4	811.23	3/4	569.34	3/4	321.07	3/4	72.81	3/4		3/4		3/4		3/4	
7	1,302.64	7	1,054.35	7	806.06	7	564.17	7	315.90	7	67.65	7		7		7		7	
1/4	1,297.47	1/4	1,049.18	1/4	800.89	1/4	559.00	1/4	310.72	1/4	62.48	1/4		1/4		1/4		1/4	
1/2	1,292.30	1/2	1,044.01	1/2	795.79	1/2	553.83	1/2	305.55	1/2	57.34	1/2		1/2		1/2		1/2	
3/4	1,287.12	3/4	1,038.83	3/4	790.70	3/4	548.65	3/4	300.38	3/4	52.19	3/4		3/4		3/4		3/4	
8	1,281.95	8	1,033.66	8	785.60	8	543.48	8	295.21	8	47.05	8		8		8		8	
1/4	1,276.78	1/4	1,028.49	1/4	780.50	1/4	538.31	1/4	290.03	1/4	41.91	1/4		1/4		1/4		1/4	
1/2	1,271.60	1/2	1,023.32	1/2	775.48	1/2	533.14	1/2	284.86	1/2	37.19	1/2		1/2		1/2		1/2	
3/4	1,266.43	3/4	1,018.14	3/4	770.47	3/4	527.97	3/4	279.69	3/4	32.47	3/4		3/4		3/4		3/4	
9	1,261.26	9	1,012.97	9	765.45	9	522.79	9	274.52	9	27.75	9		9		9		9	
1/4	1,256.09	1/4	1,007.80	1/4	760.44	1/4	517.62	1/4	269.35	1/4	23.03	1/4		1/4		1/4		1/4	
1/2	1,250.91	1/2	1,002.62	1/2	755.43	1/2	512.45	1/2	264.17	1/2	19.59	1/2		1/2		1/2		1/2	
3/4	1,245.74	3/4	997.45	3/4	750.42	3/4	507.28	3/4	259.00	3/4	16.14	3/4		3/4		3/4		3/4	
10	1,240.57	10	992.28	10	745.41	10	502.10	10	253.83	10	12.69	10		10		10		10	
1/4	1,235.40	1/4	987.11	1/4	740.40	1/4	496.93	1/4	248.66	1/4	9.25	1/4		1/4		1/4		1/4	
1/2	1,230.22	1/2	981.93	1/2	735.39	1/2	491.76	1/2	243.48	1/2	7.52	1/2		1/2		1/2		1/2	
3/4	1,225.05	3/4	976.76	3/4	730.37	3/4	486.59	3/4	238.31	3/4	5.80	3/4		3/4		3/4		3/4	
11	1,219.88	11	971.59	11	725.36	11	481.41	11	233.14	11	4.07	11		11		11		11	
1/4	1,214.71	1/4	966.42	1/4	720.35	1/4	476.24	1/4	227.97	1/4	2.35	1/4		1/4		1/4		1/4	
1/2	1,209.53	1/2	961.24	1/2	715.34	1/2	471.07	1/2	222.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,204.36	3/4	956.07	3/4	710.33	3/4	465.90	3/4	217.62	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/19/2018 SW
CALCULATED: 12/22/2018 CL
PRINTED: 12/23/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2018

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



BARGE "HFL 204S"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-11"

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	3,415.33	0	3,168.42	0	2,921.50	0	2,674.59	0	2,427.68	0	2,180.77	0	1,933.86	0	1,686.94		
1/4	1/4	1/4	3,410.18	1/4	3,163.27	1/4	2,916.36	1/4	2,669.45	1/4	2,422.54	1/4	2,175.62	1/4	1,928.71	1/4	1,681.80		
1/2	1/2	1/2	3,405.04	1/2	3,158.13	1/2	2,911.22	1/2	2,664.30	1/2	2,417.39	1/2	2,170.48	1/2	1,923.57	1/2	1,676.66		
3/4	3/4	3/4	3,399.90	3/4	3,152.98	3/4	2,906.07	3/4	2,659.16	3/4	2,412.25	3/4	2,165.34	3/4	1,918.42	3/4	1,671.51		
1	1	1	3,394.75	1	3,147.84	1	2,900.93	1	2,654.02	1	2,407.10	1	2,160.19	1	1,913.28	1	1,666.37		
1/4	1/4	1/4	3,389.61	1/4	3,142.70	1/4	2,895.78	1/4	2,648.87	1/4	2,401.96	1/4	2,155.05	1/4	1,908.14	1/4	1,661.22		
1/2	1/2	1/2	3,384.46	1/2	3,137.55	1/2	2,890.64	1/2	2,643.73	1/2	2,396.82	1/2	2,149.90	1/2	1,902.99	1/2	1,656.08		
3/4	3/4	3/4	3,379.32	3/4	3,132.41	3/4	2,885.50	3/4	2,638.58	3/4	2,391.67	3/4	2,144.76	3/4	1,897.85	3/4	1,650.94		
2	2	2	3,374.18	2	3,127.26	2	2,880.35	2	2,633.44	2	2,386.53	2	2,139.62	2	1,892.70	2	1,645.79		
1/4	1/4	1/4	3,369.03	1/4	3,122.12	1/4	2,875.21	1/4	2,628.30	1/4	2,381.38	1/4	2,134.47	1/4	1,887.56	1/4	1,640.65		
1/2	1/2	1/2	3,363.89	1/2	3,116.98	1/2	2,870.06	1/2	2,623.15	1/2	2,376.24	1/2	2,129.33	1/2	1,882.42	1/2	1,635.50		
3/4	3/4	3/4	3,358.74	3/4	3,111.83	3/4	2,864.92	3/4	2,618.01	3/4	2,371.10	3/4	2,124.18	3/4	1,877.27	3/4	1,630.36		
3	3	3	3,353.60	3	3,106.69	3	2,859.78	3	2,612.86	3	2,365.95	3	2,119.04	3	1,872.13	3	1,625.22		
1/4	1/4	1/4	3,348.46	1/4	3,101.54	1/4	2,854.63	1/4	2,607.72	1/4	2,360.81	1/4	2,113.90	1/4	1,866.98	1/4	1,620.07		
1/2	1/2	1/2	3,559.14	1/2	3,343.31	1/2	3,096.40	1/2	2,849.49	1/2	2,602.58	1/2	2,355.66	1/2	2,108.75	1/2	1,861.84	1/2	1,614.93
3/4	3/4	3/4	3,558.29	3/4	3,338.17	3/4	3,091.26	3/4	2,844.34	3/4	2,597.43	3/4	2,350.52	3/4	2,103.61	3/4	1,856.70	3/4	1,609.78
4	4	4	3,557.43	4	3,333.02	4	3,086.11	4	2,839.20	4	2,592.29	4	2,345.38	4	2,098.46	4	1,851.55	4	1,604.64
1/4	1/4	1/4	3,555.71	1/4	3,327.88	1/4	3,080.97	1/4	2,834.06	1/4	2,587.14	1/4	2,340.23	1/4	2,093.32	1/4	1,846.41	1/4	1,599.50
1/2	1/2	1/2	3,554.00	1/2	3,322.74	1/2	3,075.82	1/2	2,828.91	1/2	2,582.00	1/2	2,335.09	1/2	2,088.18	1/2	1,841.26	1/2	1,594.35
3/4	3/4	3/4	3,552.28	3/4	3,317.59	3/4	3,070.68	3/4	2,823.77	3/4	2,576.86	3/4	2,329.94	3/4	2,083.03	3/4	1,836.12	3/4	1,589.21
5	5	5	3,550.57	5	3,312.45	5	3,065.54	5	2,818.62	5	2,571.71	5	2,324.80	5	2,077.89	5	1,830.98	5	1,584.06
1/4	1/4	1/4	3,547.14	1/4	3,307.30	1/4	3,060.39	1/4	2,813.48	1/4	2,566.57	1/4	2,319.66	1/4	2,072.74	1/4	1,825.83	1/4	1,578.92
1/2	1/2	1/2	3,543.71	1/2	3,302.16	1/2	3,055.25	1/2	2,808.34	1/2	2,561.42	1/2	2,314.51	1/2	2,067.60	1/2	1,820.69	1/2	1,573.78
3/4	3/4	3/4	3,540.28	3/4	3,297.02	3/4	3,050.10	3/4	2,803.19	3/4	2,556.28	3/4	2,309.37	3/4	2,062.46	3/4	1,815.54	3/4	1,568.63
6	6	6	3,536.86	6	3,291.87	6	3,044.96	6	2,798.05	6	2,551.14	6	2,304.22	6	2,057.31	6	1,810.40	6	1,563.49
1/4	1/4	1/4	3,532.16	1/4	3,286.73	1/4	3,039.82	1/4	2,792.90	1/4	2,545.99	1/4	2,299.08	1/4	2,052.17	1/4	1,805.26	1/4	1,558.34
1/2	1/2	1/2	3,527.47	1/2	3,281.58	1/2	3,034.67	1/2	2,787.76	1/2	2,540.85	1/2	2,293.94	1/2	2,047.02	1/2	1,800.11	1/2	1,553.20
3/4	3/4	3/4	3,522.78	3/4	3,276.44	3/4	3,029.53	3/4	2,782.62	3/4	2,535.70	3/4	2,288.79	3/4	2,041.88	3/4	1,794.97	3/4	1,548.06
7	7	7	3,518.09	7	3,271.30	7	3,024.38	7	2,777.47	7	2,530.56	7	2,283.65	7	2,036.74	7	1,789.82	7	1,542.91
1/4	1/4	1/4	3,512.97	1/4	3,266.15	1/4	3,019.24	1/4	2,772.33	1/4	2,525.42	1/4	2,278.50	1/4	2,031.59	1/4	1,784.68	1/4	1,537.77
1/2	1/2	1/2	3,507.86	1/2	3,261.01	1/2	3,014.10	1/2	2,767.18	1/2	2,520.27	1/2	2,273.36	1/2	2,026.45	1/2	1,779.54	1/2	1,532.62
3/4	3/4	3/4	3,502.74	3/4	3,255.86	3/4	3,008.95	3/4	2,762.04	3/4	2,515.13	3/4	2,268.22	3/4	2,021.30	3/4	1,774.39	3/4	1,527.48
8	8	8	3,497.63	8	3,250.72	8	3,003.81	8	2,756.90	8	2,509.98	8	2,263.07	8	2,016.16	8	1,769.25	8	1,522.34
1/4	1/4	1/4	3,492.49	1/4	3,245.58	1/4	2,998.66	1/4	2,751.75	1/4	2,504.84	1/4	2,257.93	1/4	2,011.02	1/4	1,764.10	1/4	1,517.19
1/2	1/2	1/2	3,487.35	1/2	3,240.43	1/2	2,993.52	1/2	2,746.61	1/2	2,499.70	1/2	2,252.78	1/2	2,005.87	1/2	1,758.96	1/2	1,512.05
3/4	3/4	3/4	3,482.22	3/4	3,235.29	3/4	2,988.38	3/4	2,741.46	3/4	2,494.55	3/4	2,247.64	3/4	2,000.73	3/4	1,753.82	3/4	1,506.90
9	9	9	3,477.08	9	3,230.14	9	2,983.23	9	2,736.32	9	2,489.41	9	2,242.50	9	1,995.58	9	1,748.67	9	1,501.76
1/4	1/4	1/4	3,471.93	1/4	3,225.00	1/4	2,978.09	1/4	2,731.18	1/4	2,484.26	1/4	2,237.35	1/4	1,990.44	1/4	1,743.53	1/4	1,496.62
1/2	1/2	1/2	3,466.78	1/2	3,219.86	1/2	2,972.94	1/2	2,726.03	1/2	2,479.12	1/2	2,232.21	1/2	1,985.30	1/2	1,738.38	1/2	1,491.47
3/4	3/4	3/4	3,461.63	3/4	3,214.71	3/4	2,967.80	3/4	2,720.89	3/4	2,473.98	3/4	2,227.06	3/4	1,980.15	3/4	1,733.24	3/4	1,486.33
10	10	10	3,456.48	10	3,209.57	10	2,962.66	10	2,715.74	10	2,468.83	10	2,221.92	10	1,975.01	10	1,728.10	10	1,481.18
1/4	1/4	1/4	3,451.34	1/4	3,204.42	1/4	2,957.51	1/4	2,710.60	1/4	2,463.69	1/4	2,216.78	1/4	1,969.86	1/4	1,722.95	1/4	1,476.04
1/2	1/2	1/2	3,446.19	1/2	3,199.28	1/2	2,952.37	1/2	2,705.46	1/2	2,458.54	1/2	2,211.63	1/2	1,964.72	1/2	1,717.81	1/2	1,470.90
3/4	3/4	3/4	3,441.05	3/4	3,194.14	3/4	2,947.22	3/4	2,700.31	3/4	2,453.40	3/4	2,206.49	3/4	1,959.58	3/4	1,712.66	3/4	1,465.75
11	11	11	3,435.90	11	3,188.99	11	2,942.08	11	2,695.17	11	2,448.26	11	2,201.34	11	1,954.43	11	1,707.52	11	1,460.61
1/4	1/4	1/4	3,430.76	1/4	3,183.85	1/4	2,936.94	1/4	2,690.02	1/4	2,443.11	1/4	2,196.20	1/4	1,949.29	1/4	1,702.38	1/4	1,455.46
1/2	1/2	1/2	3,425.62	1/2	3,178.70	1/2	2,931.79	1/2	2,684.88	1/2	2,437.97	1/2	2,191.06	1/2	1,944.14	1/2	1,697.23	1/2	1,450.32
3/4	3/4	3/4	3,420.47	3/4	3,173.56	3/4	2,926.65	3/4	2,679.74	3/4	2,432.82	3/4	2,185.91	3/4	1,939.00	3/4	1,692.09	3/4	1,445.18

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'-00" FORWARD OF AFT BULKHEAD

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



BARGE "HFL 204S"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-11"

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	1,440.03	0	1,193.12	0	946.21	0	699.58	0	453.03	0	206.13	0		0		0		0	
1/4	1,434.89	1/4	1,187.98	1/4	941.06	1/4	694.46	1/4	447.89	1/4	200.99	1/4		1/4		1/4		1/4	
1/2	1,429.74	1/2	1,182.83	1/2	935.92	1/2	689.33	1/2	442.75	1/2	195.84	1/2		1/2		1/2		1/2	
3/4	1,424.60	3/4	1,177.69	3/4	930.78	3/4	684.21	3/4	437.60	3/4	190.70	3/4		3/4		3/4		3/4	
1	1,419.46	1	1,172.54	1	925.63	1	679.08	1	432.46	1	185.56	1		1		1		1	
1/4	1,414.31	1/4	1,167.40	1/4	920.49	1/4	673.95	1/4	427.32	1/4	180.41	1/4		1/4		1/4		1/4	
1/2	1,409.17	1/2	1,162.26	1/2	915.34	1/2	668.83	1/2	422.17	1/2	175.27	1/2		1/2		1/2		1/2	
3/4	1,404.02	3/4	1,157.11	3/4	910.20	3/4	663.70	3/4	417.03	3/4	170.13	3/4		3/4		3/4		3/4	
2	1,398.88	2	1,151.97	2	905.06	2	658.58	2	411.88	2	164.98	2		2		2		2	
1/4	1,393.74	1/4	1,146.82	1/4	899.91	1/4	653.45	1/4	406.74	1/4	159.84	1/4		1/4		1/4		1/4	
1/2	1,388.59	1/2	1,141.68	1/2	894.77	1/2	648.33	1/2	401.60	1/2	154.69	1/2		1/2		1/2		1/2	
3/4	1,383.45	3/4	1,136.54	3/4	889.62	3/4	643.20	3/4	396.45	3/4	149.55	3/4		3/4		3/4		3/4	
3	1,378.30	3	1,131.39	3	884.48	3	638.08	3	391.31	3	144.41	3		3		3		3	
1/4	1,373.16	1/4	1,126.25	1/4	879.34	1/4	632.95	1/4	386.17	1/4	139.26	1/4		1/4		1/4		1/4	
1/2	1,368.02	1/2	1,121.10	1/2	874.19	1/2	627.83	1/2	381.02	1/2	134.12	1/2		1/2		1/2		1/2	
3/4	1,362.87	3/4	1,115.96	3/4	869.05	3/4	622.70	3/4	375.88	3/4	128.98	3/4		3/4		3/4		3/4	
4	1,357.73	4	1,110.82	4	863.90	4	617.57	4	370.73	4	123.83	4		4		4		4	
1/4	1,352.58	1/4	1,105.67	1/4	858.76	1/4	612.44	1/4	365.59	1/4	118.69	1/4		1/4		1/4		1/4	
1/2	1,347.44	1/2	1,100.53	1/2	853.62	1/2	607.31	1/2	360.45	1/2	113.54	1/2		1/2		1/2		1/2	
3/4	1,342.30	3/4	1,095.38	3/4	848.47	3/4	602.18	3/4	355.30	3/4	108.40	3/4		3/4		3/4		3/4	
5	1,337.15	5	1,090.24	5	843.33	5	597.05	5	350.16	5	103.26	5		5		5		5	
1/4	1,332.01	1/4	1,085.10	1/4	838.18	1/4	591.91	1/4	345.01	1/4	98.11	1/4		1/4		1/4		1/4	
1/2	1,326.86	1/2	1,079.95	1/2	833.04	1/2	586.77	1/2	339.87	1/2	92.97	1/2		1/2		1/2		1/2	
3/4	1,321.72	3/4	1,074.81	3/4	827.90	3/4	581.63	3/4	334.73	3/4	87.83	3/4		3/4		3/4		3/4	
6	1,316.58	6	1,069.66	6	822.75	6	576.49	6	329.58	6	82.68	6		6		6		6	
1/4	1,311.43	1/4	1,064.52	1/4	817.61	1/4	571.34	1/4	324.44	1/4	77.55	1/4		1/4		1/4		1/4	
1/2	1,306.29	1/2	1,059.38	1/2	812.46	1/2	566.20	1/2	319.30	1/2	72.41	1/2		1/2		1/2		1/2	
3/4	1,301.14	3/4	1,054.23	3/4	807.32	3/4	561.05	3/4	314.15	3/4	67.27	3/4		3/4		3/4		3/4	
7	1,296.00	7	1,049.09	7	802.18	7	555.91	7	309.01	7	62.14	7		7		7		7	
1/4	1,290.86	1/4	1,043.94	1/4	797.04	1/4	550.77	1/4	303.86	1/4	57.02	1/4		1/4		1/4		1/4	
1/2	1,285.71	1/2	1,038.80	1/2	791.90	1/2	545.62	1/2	298.72	1/2	51.91	1/2		1/2		1/2		1/2	
3/4	1,280.57	3/4	1,033.66	3/4	786.76	3/4	540.48	3/4	293.58	3/4	46.79	3/4		3/4		3/4		3/4	
8	1,275.42	8	1,028.51	8	781.61	8	535.34	8	288.43	8	41.68	8		8		8		8	
1/4	1,270.28	1/4	1,023.37	1/4	776.48	1/4	530.19	1/4	283.29	1/4	36.99	1/4		1/4		1/4		1/4	
1/2	1,265.14	1/2	1,018.22	1/2	771.35	1/2	525.05	1/2	278.15	1/2	32.29	1/2		1/2		1/2		1/2	
3/4	1,259.99	3/4	1,013.08	3/4	766.22	3/4	519.90	3/4	273.00	3/4	27.60	3/4		3/4		3/4		3/4	
9	1,254.85	9	1,007.94	9	761.09	9	514.76	9	267.86	9	22.91	9		9		9		9	
1/4	1,249.70	1/4	1,002.79	1/4	755.96	1/4	509.62	1/4	262.71	1/4	19.48	1/4		1/4		1/4		1/4	
1/2	1,244.56	1/2	997.65	1/2	750.84	1/2	504.47	1/2	257.57	1/2	16.05	1/2		1/2		1/2		1/2	
3/4	1,239.42	3/4	992.50	3/4	745.71	3/4	499.33	3/4	252.43	3/4	12.63	3/4		3/4		3/4		3/4	
10	1,234.27	10	987.36	10	740.59	10	494.19	10	247.28	10	9.20	10		10		10		10	
1/4	1,229.13	1/4	982.22	1/4	735.46	1/4	489.04	1/4	242.14	1/4	7.48	1/4		1/4		1/4		1/4	
1/2	1,223.98	1/2	977.07	1/2	730.34	1/2	483.90	1/2	237.00	1/2	5.77	1/2		1/2		1/2		1/2	
3/4	1,218.84	3/4	971.93	3/4	725.21	3/4	478.75	3/4	231.85	3/4	4.05	3/4		3/4		3/4		3/4	
11	1,213.70	11	966.78	11	720.08	11	473.61	11	226.71	11	2.34	11		11		11		11	
1/4	1,208.55	1/4	961.64	1/4	714.96	1/4	468.47	1/4	221.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,203.41	1/2	956.50	1/2	709.83	1/2	463.32	1/2	216.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,198.26	3/4	951.35	3/4	704.71	3/4	458.18	3/4	211.28	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/19/2018 SW
CALCULATED: 12/22/2018 CL
PRINTED: 12/23/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HFL 204S"

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 23, 2018

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

<http://www.pmacorp.net>



BARGE "HFL 204S"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-10 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	2,706.47	0	2,979.90	0	3,224.77	0	3,445.12	0	3,665.48	0		0		0		0		0	
1/4	2,712.16	1/4	2,985.60	1/4	3,229.36	1/4	3,449.71	1/4	3,670.07	1/4		1/4		1/4		1/4		1/4	
1/2	2,717.85	1/2	2,991.31	1/2	3,233.95	1/2	3,454.30	1/2	3,674.66	1/2		1/2		1/2		1/2		1/2	
3/4	2,723.54	3/4	2,997.01	3/4	3,238.54	3/4	3,458.90	3/4	3,679.25	3/4		3/4		3/4		3/4		3/4	
1	2,729.23	1	3,002.72	1	3,243.13	1	3,463.49	1	3,683.84	1		1		1		1		1	
1/4	2,734.92	1/4	3,008.42	1/4	3,247.72	1/4	3,468.08	1/4	3,688.43	1/4		1/4		1/4		1/4		1/4	
1/2	2,740.61	1/2	3,014.13	1/2	3,252.31	1/2	3,472.67	1/2	3,693.02	1/2		1/2		1/2		1/2		1/2	
3/4	2,746.31	3/4	3,019.83	3/4	3,256.90	3/4	3,477.26	3/4	3,697.61	3/4		3/4		3/4		3/4		3/4	
2	2,752.00	2	3,025.54	2	3,261.50	2	3,481.85	2	3,702.19	2		2		2		2		2	
1/4	2,757.69	1/4	3,031.24	1/4	3,266.09	1/4	3,486.44	1/4	3,706.78	1/4		1/4		1/4		1/4		1/4	
1/2	2,763.38	1/2	3,036.95	1/2	3,270.68	1/2	3,491.03	1/2	3,711.36	1/2		1/2		1/2		1/2		1/2	
3/4	2,769.07	3/4	3,042.65	3/4	3,275.27	3/4	3,495.62	3/4	3,715.94	3/4		3/4		3/4		3/4		3/4	
3	2,774.76	3	3,048.36	3	3,279.86	3	3,500.21	3	3,720.52	3		3		3		3		3	
1/4	2,780.45	1/4	3,054.06	1/4	3,284.45	1/4	3,504.80	1/4	3,725.08	1/4		1/4		1/4		1/4		1/4	
1/2	2,786.14	1/2	3,059.77	1/2	3,289.04	1/2	3,509.39	1/2	3,729.64	1/2		1/2		1/2		1/2		1/2	
3/4	2,791.83	3/4	3,065.47	3/4	3,293.63	3/4	3,513.98	3/4	3,734.20	3/4		3/4		3/4		3/4		3/4	
4	2,797.52	4	3,071.18	4	3,298.22	4	3,518.57	4	3,738.76	4		4		4		4		4	
1/4	2,803.21	1/4	3,076.88	1/4	3,302.81	1/4	3,523.17	1/4	3,742.85	1/4		1/4		1/4		1/4		1/4	
1/2	2,808.91	1/2	3,082.59	1/2	3,307.40	1/2	3,527.76	1/2	3,746.94	1/2		1/2		1/2		1/2		1/2	
3/4	2,814.60	3/4	3,088.29	3/4	3,311.99	3/4	3,532.35	3/4	3,751.03	3/4		3/4		3/4		3/4		3/4	
5	2,820.29	5	3,094.00	5	3,316.58	5	3,536.94	5	3,755.12	5		5		5		5		5	
1/4	2,825.98	1/4	3,099.15	1/4	3,321.17	1/4	3,541.53	1/4	3,758.36	1/4		1/4		1/4		1/4		1/4	
1/2	2,831.67	1/2	3,104.30	1/2	3,325.77	1/2	3,546.12	1/2	3,761.61	1/2		1/2		1/2		1/2		1/2	
3/4	2,837.36	3/4	3,109.44	3/4	3,330.36	3/4	3,550.71	3/4	3,764.85	3/4		3/4		3/4		3/4		3/4	
6	2,843.05	6	3,114.59	6	3,334.95	6	3,555.30	6	3,768.10	6		6		6		6		6	
1/4	2,848.74	1/4	3,119.18	1/4	3,339.54	1/4	3,559.89	1/4	3,770.00	1/4		1/4		1/4		1/4		1/4	
1/2	2,854.43	1/2	3,123.77	1/2	3,344.13	1/2	3,564.48	1/2	3,771.90	1/2		1/2		1/2		1/2		1/2	
3/4	2,860.12	3/4	3,128.37	3/4	3,348.72	3/4	3,569.07	3/4	3,773.80	3/4		3/4		3/4		3/4		3/4	
7	2,865.81	7	3,132.96	7	3,353.31	7	3,573.66	7	3,775.70	7		7		7		7		7	
1/4	2,871.51	1/4	3,137.55	1/4	3,357.90	1/4	3,578.25	1/4	3,776.66	1/4		1/4		1/4		1/4		1/4	
1/2	2,877.21	1/2	3,142.14	1/2	3,362.49	1/2	3,582.84	1/2	3,777.61	1/2		1/2		1/2		1/2		1/2	
3/4	2,882.91	3/4	3,146.73	3/4	3,367.08	3/4	3,587.44	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,888.61	8	3,151.32	8	3,371.67	8	3,592.03	8		8		8		8		8		8	
1/4	2,894.32	1/4	3,155.91	1/4	3,376.26	1/4	3,596.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,900.02	1/2	3,160.50	1/2	3,380.85	1/2	3,601.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,905.73	3/4	3,165.09	3/4	3,385.44	3/4	3,605.80	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,911.43	9	3,169.68	9	3,390.03	9	3,610.39	9		9		9		9		9		9	
1/4	2,917.14	1/4	3,174.27	1/4	3,394.63	1/4	3,614.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,922.84	1/2	3,178.86	1/2	3,399.22	1/2	3,619.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,928.55	3/4	3,183.45	3/4	3,403.81	3/4	3,624.16	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,934.25	10	3,188.04	10	3,408.40	10	3,628.75	10		10		10		10		10		10	
1/4	2,939.96	1/4	3,192.63	1/4	3,412.99	1/4	3,633.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,945.66	1/2	3,197.23	1/2	3,417.58	1/2	3,637.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,951.37	3/4	3,201.82	3/4	3,422.17	3/4	3,642.52	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,957.07	11	3,206.41	11	3,426.76	11	3,647.11	11		11		11		11		11		11	
1/4	2,962.78	1/4	3,211.00	1/4	3,431.35	1/4	3,651.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,968.48	1/2	3,215.59	1/2	3,435.94	1/2	3,656.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,974.19	3/4	3,220.18	3/4	3,440.53	3/4	3,660.89	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/19/2018 SW
CALCULATED: 12/22/2018 CL
PRINTED: 12/23/2018 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 204S"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-11 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	2,456.15	0	2,704.44	0	2,952.73	0	3,201.02	0	3,449.31	0		0		0		0		0	
1/4	2,461.33	1/4	2,709.62	1/4	2,957.91	1/4	3,206.19	1/4	3,454.48	1/4		1/4		1/4		1/4		1/4	
1/2	2,466.50	1/2	2,714.79	1/2	2,963.08	1/2	3,211.37	1/2	3,459.66	1/2		1/2		1/2		1/2		1/2	
3/4	2,471.67	3/4	2,719.96	3/4	2,968.25	3/4	3,216.54	3/4	3,464.83	3/4		3/4		3/4		3/4		3/4	
1	2,476.84	1	2,725.13	1	2,973.42	1	3,221.71	1	3,470.00	1		1		1		1		1	
1/4	2,482.02	1/4	2,730.31	1/4	2,978.60	1/4	3,226.89	1/4	3,475.17	1/4		1/4		1/4		1/4		1/4	
1/2	2,487.19	1/2	2,735.48	1/2	2,983.77	1/2	3,232.06	1/2	3,480.34	1/2		1/2		1/2		1/2		1/2	
3/4	2,492.36	3/4	2,740.65	3/4	2,988.94	3/4	3,237.23	3/4	3,485.51	3/4		3/4		3/4		3/4		3/4	
2	2,497.53	2	2,745.82	2	2,994.11	2	3,242.40	2	3,490.68	2		2		2		2		2	
1/4	2,502.71	1/4	2,751.00	1/4	2,999.29	1/4	3,247.58	1/4	3,495.85	1/4		1/4		1/4		1/4		1/4	
1/2	2,507.88	1/2	2,756.17	1/2	3,004.46	1/2	3,252.75	1/2	3,501.01	1/2		1/2		1/2		1/2		1/2	
3/4	2,513.05	3/4	2,761.34	3/4	3,009.63	3/4	3,257.92	3/4	3,506.18	3/4		3/4		3/4		3/4		3/4	
3	2,518.23	3	2,766.52	3	3,014.80	3	3,263.09	3	3,511.34	3		3		3		3		3	
1/4	2,523.40	1/4	2,771.69	1/4	3,019.98	1/4	3,268.27	1/4	3,516.49	1/4		1/4		1/4		1/4		1/4	
1/2	2,528.57	1/2	2,776.86	1/2	3,025.15	1/2	3,273.44	1/2	3,521.63	1/2		1/2		1/2		1/2		1/2	
3/4	2,533.74	3/4	2,782.03	3/4	3,030.32	3/4	3,278.61	3/4	3,526.77	3/4		3/4		3/4		3/4		3/4	
4	2,538.92	4	2,787.21	4	3,035.50	4	3,283.79	4	3,531.92	4		4		4		4		4	
1/4	2,544.09	1/4	2,792.38	1/4	3,040.67	1/4	3,288.96	1/4	3,536.64	1/4		1/4		1/4		1/4		1/4	
1/2	2,549.26	1/2	2,797.55	1/2	3,045.84	1/2	3,294.13	1/2	3,541.35	1/2		1/2		1/2		1/2		1/2	
3/4	2,554.43	3/4	2,802.72	3/4	3,051.01	3/4	3,299.30	3/4	3,546.07	3/4		3/4		3/4		3/4		3/4	
5	2,559.61	5	2,807.90	5	3,056.19	5	3,304.48	5	3,550.79	5		5		5		5		5	
1/4	2,564.78	1/4	2,813.07	1/4	3,061.36	1/4	3,309.65	1/4	3,554.24	1/4		1/4		1/4		1/4		1/4	
1/2	2,569.95	1/2	2,818.24	1/2	3,066.53	1/2	3,314.82	1/2	3,557.68	1/2		1/2		1/2		1/2		1/2	
3/4	2,575.13	3/4	2,823.42	3/4	3,071.70	3/4	3,319.99	3/4	3,561.13	3/4		3/4		3/4		3/4		3/4	
6	2,580.30	6	2,828.59	6	3,076.88	6	3,325.17	6	3,564.58	6		6		6		6		6	
1/4	2,585.47	1/4	2,833.76	1/4	3,082.05	1/4	3,330.34	1/4	3,566.30	1/4		1/4		1/4		1/4		1/4	
1/2	2,590.64	1/2	2,838.93	1/2	3,087.22	1/2	3,335.51	1/2	3,568.03	1/2		1/2		1/2		1/2		1/2	
3/4	2,595.82	3/4	2,844.11	3/4	3,092.40	3/4	3,340.69	3/4	3,569.75	3/4		3/4		3/4		3/4		3/4	
7	2,600.99	7	2,849.28	7	3,097.57	7	3,345.86	7	3,571.48	7		7		7		7		7	
1/4	2,606.16	1/4	2,854.45	1/4	3,102.74	1/4	3,351.03	1/4	3,572.34	1/4		1/4		1/4		1/4		1/4	
1/2	2,611.33	1/2	2,859.62	1/2	3,107.91	1/2	3,356.20	1/2	3,573.20	1/2		1/2		1/2		1/2		1/2	
3/4	2,616.51	3/4	2,864.80	3/4	3,113.09	3/4	3,361.38	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,621.68	8	2,869.97	8	3,118.26	8	3,366.55	8		8		8		8		8		8	
1/4	2,626.85	1/4	2,875.14	1/4	3,123.43	1/4	3,371.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,632.03	1/2	2,880.31	1/2	3,128.60	1/2	3,376.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,637.20	3/4	2,885.49	3/4	3,133.78	3/4	3,382.07	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,642.37	9	2,890.66	9	3,138.95	9	3,387.24	9		9		9		9		9		9	
1/4	2,647.54	1/4	2,895.83	1/4	3,144.12	1/4	3,392.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,652.72	1/2	2,901.01	1/2	3,149.30	1/2	3,397.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,657.89	3/4	2,906.18	3/4	3,154.47	3/4	3,402.76	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,663.06	10	2,911.35	10	3,159.64	10	3,407.93	10		10		10		10		10		10	
1/4	2,668.23	1/4	2,916.52	1/4	3,164.81	1/4	3,413.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,673.41	1/2	2,921.70	1/2	3,169.99	1/2	3,418.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,678.58	3/4	2,926.87	3/4	3,175.16	3/4	3,423.45	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,683.75	11	2,932.04	11	3,180.33	11	3,428.62	11		11		11		11		11		11	
1/4	2,688.92	1/4	2,937.21	1/4	3,185.50	1/4	3,433.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,694.10	1/2	2,942.39	1/2	3,190.68	1/2	3,438.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,699.27	3/4	2,947.56	3/4	3,195.85	3/4	3,444.14	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/19/2018 SW
CALCULATED: 12/22/2018 CL
PRINTED: 12/23/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2018

PRECISION MEASUREMENT
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BARGE "HFL 204S"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-11"

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	2,448.26	0	2,695.17	0	2,942.08	0	3,188.99	0	3,435.90	0		0		0		0		0	
1/4	2,453.40	1/4	2,700.31	1/4	2,947.22	1/4	3,194.14	1/4	3,441.05	1/4		1/4		1/4		1/4		1/4	
1/2	2,458.54	1/2	2,705.46	1/2	2,952.37	1/2	3,199.28	1/2	3,446.19	1/2		1/2		1/2		1/2		1/2	
3/4	2,463.69	3/4	2,710.60	3/4	2,957.51	3/4	3,204.42	3/4	3,451.34	3/4		3/4		3/4		3/4		3/4	
1	2,468.83	1	2,715.74	1	2,962.66	1	3,209.57	1	3,456.48	1		1		1		1		1	
1/4	2,473.98	1/4	2,720.89	1/4	2,967.80	1/4	3,214.71	1/4	3,461.63	1/4		1/4		1/4		1/4		1/4	
1/2	2,479.12	1/2	2,726.03	1/2	2,972.94	1/2	3,219.86	1/2	3,466.78	1/2		1/2		1/2		1/2		1/2	
3/4	2,484.26	3/4	2,731.18	3/4	2,978.09	3/4	3,225.00	3/4	3,471.93	3/4		3/4		3/4		3/4		3/4	
2	2,489.41	2	2,736.32	2	2,983.23	2	3,230.14	2	3,477.08	2		2		2		2		2	
1/4	2,494.55	1/4	2,741.46	1/4	2,988.38	1/4	3,235.29	1/4	3,482.22	1/4		1/4		1/4		1/4		1/4	
1/2	2,499.70	1/2	2,746.61	1/2	2,993.52	1/2	3,240.43	1/2	3,487.35	1/2		1/2		1/2		1/2		1/2	
3/4	2,504.84	3/4	2,751.75	3/4	2,998.66	3/4	3,245.58	3/4	3,492.49	3/4		3/4		3/4		3/4		3/4	
3	2,509.98	3	2,756.90	3	3,003.81	3	3,250.72	3	3,497.63	3		3		3		3		3	
1/4	2,515.13	1/4	2,762.04	1/4	3,008.95	1/4	3,255.86	1/4	3,502.74	1/4		1/4		1/4		1/4		1/4	
1/2	2,520.27	1/2	2,767.18	1/2	3,014.10	1/2	3,261.01	1/2	3,507.86	1/2		1/2		1/2		1/2		1/2	
3/4	2,525.42	3/4	2,772.33	3/4	3,019.24	3/4	3,266.15	3/4	3,512.97	3/4		3/4		3/4		3/4		3/4	
4	2,530.56	4	2,777.47	4	3,024.38	4	3,271.30	4	3,518.09	4		4		4		4		4	
1/4	2,535.70	1/4	2,782.62	1/4	3,029.53	1/4	3,276.44	1/4	3,522.78	1/4		1/4		1/4		1/4		1/4	
1/2	2,540.85	1/2	2,787.76	1/2	3,034.67	1/2	3,281.58	1/2	3,527.47	1/2		1/2		1/2		1/2		1/2	
3/4	2,545.99	3/4	2,792.90	3/4	3,039.82	3/4	3,286.73	3/4	3,532.16	3/4		3/4		3/4		3/4		3/4	
5	2,551.14	5	2,798.05	5	3,044.96	5	3,291.87	5	3,536.86	5		5		5		5		5	
1/4	2,556.28	1/4	2,803.19	1/4	3,050.10	1/4	3,297.02	1/4	3,540.28	1/4		1/4		1/4		1/4		1/4	
1/2	2,561.42	1/2	2,808.34	1/2	3,055.25	1/2	3,302.16	1/2	3,543.71	1/2		1/2		1/2		1/2		1/2	
3/4	2,566.57	3/4	2,813.48	3/4	3,060.39	3/4	3,307.30	3/4	3,547.14	3/4		3/4		3/4		3/4		3/4	
6	2,571.71	6	2,818.62	6	3,065.54	6	3,312.45	6	3,550.57	6		6		6		6		6	
1/4	2,576.86	1/4	2,823.77	1/4	3,070.68	1/4	3,317.59	1/4	3,552.28	1/4		1/4		1/4		1/4		1/4	
1/2	2,582.00	1/2	2,828.91	1/2	3,075.82	1/2	3,322.74	1/2	3,554.00	1/2		1/2		1/2		1/2		1/2	
3/4	2,587.14	3/4	2,834.06	3/4	3,080.97	3/4	3,327.88	3/4	3,555.71	3/4		3/4		3/4		3/4		3/4	
7	2,592.29	7	2,839.20	7	3,086.11	7	3,333.02	7	3,557.43	7		7		7		7		7	
1/4	2,597.43	1/4	2,844.34	1/4	3,091.26	1/4	3,338.17	1/4	3,558.29	1/4		1/4		1/4		1/4		1/4	
1/2	2,602.58	1/2	2,849.49	1/2	3,096.40	1/2	3,343.31	1/2	3,559.14	1/2		1/2		1/2		1/2		1/2	
3/4	2,607.72	3/4	2,854.63	3/4	3,101.54	3/4	3,348.46	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,612.86	8	2,859.78	8	3,106.69	8	3,353.60	8		8		8		8		8		8	
1/4	2,618.01	1/4	2,864.92	1/4	3,111.83	1/4	3,358.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,623.15	1/2	2,870.06	1/2	3,116.98	1/2	3,363.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,628.30	3/4	2,875.21	3/4	3,122.12	3/4	3,369.03	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,633.44	9	2,880.35	9	3,127.26	9	3,374.18	9		9		9		9		9		9	
1/4	2,638.58	1/4	2,885.50	1/4	3,132.41	1/4	3,379.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,643.73	1/2	2,890.64	1/2	3,137.55	1/2	3,384.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,648.87	3/4	2,895.78	3/4	3,142.70	3/4	3,389.61	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,654.02	10	2,900.93	10	3,147.84	10	3,394.75	10		10		10		10		10		10	
1/4	2,659.16	1/4	2,906.07	1/4	3,152.98	1/4	3,399.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,664.30	1/2	2,911.22	1/2	3,158.13	1/2	3,405.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,669.45	3/4	2,916.36	3/4	3,163.27	3/4	3,410.18	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,674.59	11	2,921.50	11	3,168.42	11	3,415.33	11		11		11		11		11		11	
1/4	2,679.74	1/4	2,926.65	1/4	3,173.56	1/4	3,420.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,684.88	1/2	2,931.79	1/2	3,178.70	1/2	3,425.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,690.02	3/4	2,936.94	3/4	3,183.85	3/4	3,430.76	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/19/2018 SW
CALCULATED: 12/22/2018 CL
PRINTED: 12/23/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2018

PRECISION MEASUREMENT
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