



BARGE "HFL 232SS"

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

(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 20, 2024

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



BARGE "HFL 232SS"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-11 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	3,644.45	0	3,424.82	0	3,205.18	0	2,958.88	0	2,686.36	0	2,414.08	0	2,141.95	0	1,870.03
1/4		1/4		1/4	3,639.88	1/4	3,420.24	1/4	3,200.60	1/4	2,953.19	1/4	2,680.69	1/4	2,408.41	1/4	2,136.29	1/4	1,864.36
1/2		1/2		1/2	3,635.30	1/2	3,415.66	1/2	3,196.03	1/2	2,947.50	1/2	2,675.02	1/2	2,402.74	1/2	2,130.63	1/2	1,858.69
3/4		3/4		3/4	3,630.73	3/4	3,411.09	3/4	3,191.45	3/4	2,941.82	3/4	2,669.35	3/4	2,397.07	3/4	2,124.96	3/4	1,853.02
1		1		1	3,626.15	1	3,406.51	1	3,186.87	1	2,936.13	1	2,663.67	1	2,391.39	1	2,119.30	1	1,847.35
1/4		1/4		1/4	3,621.58	1/4	3,401.94	1/4	3,182.30	1/4	2,930.44	1/4	2,658.00	1/4	2,385.72	1/4	2,113.64	1/4	1,841.68
1/2		1/2		1/2	3,617.00	1/2	3,397.36	1/2	3,177.72	1/2	2,924.76	1/2	2,652.33	1/2	2,380.05	1/2	2,107.97	1/2	1,836.01
3/4		3/4		3/4	3,612.42	3/4	3,392.79	3/4	3,173.15	3/4	2,919.07	3/4	2,646.66	3/4	2,374.38	3/4	2,102.31	3/4	1,830.34
2		2		2	3,607.85	2	3,388.21	2	3,168.57	2	2,913.38	2	2,640.98	2	2,368.70	2	2,096.65	2	1,824.68
1/4		1/4		1/4	3,603.27	1/4	3,383.63	1/4	3,164.00	1/4	2,907.70	1/4	2,635.31	1/4	2,363.03	1/4	2,090.98	1/4	1,819.01
1/2		1/2		1/2	3,598.70	1/2	3,379.06	1/2	3,159.42	1/2	2,902.01	1/2	2,629.64	1/2	2,357.36	1/2	2,085.32	1/2	1,813.34
3/4		3/4		3/4	3,594.12	3/4	3,374.48	3/4	3,154.84	3/4	2,896.32	3/4	2,623.97	3/4	2,351.69	3/4	2,079.66	3/4	1,807.67
3		3		3	3,589.55	3	3,369.91	3	3,150.27	3	2,890.63	3	2,618.29	3	2,346.02	3	2,073.99	3	1,802.00
1/4		1/4		1/4	3,584.97	1/4	3,365.33	1/4	3,145.69	1/4	2,884.95	1/4	2,612.62	1/4	2,340.35	1/4	2,068.33	1/4	1,796.33
1/2		1/2		1/2	3,580.39	1/2	3,360.76	1/2	3,141.12	1/2	2,879.26	1/2	2,606.95	1/2	2,334.68	1/2	2,062.66	1/2	1,790.66
3/4		3/4		3/4	3,575.82	3/4	3,356.18	3/4	3,136.54	3/4	2,873.58	3/4	2,601.28	3/4	2,329.01	3/4	2,057.00	3/4	1,784.99
4		4	3,765.38	4	3,571.24	4	3,351.60	4	3,131.97	4	2,867.90	4	2,595.60	4	2,323.34	4	2,051.34	4	1,779.32
1/4		1/4	3,764.43	1/4	3,566.67	1/4	3,347.03	1/4	3,127.39	1/4	2,862.22	1/4	2,589.93	1/4	2,317.67	1/4	2,045.67	1/4	1,773.66
1/2		1/2	3,763.48	1/2	3,562.09	1/2	3,342.45	1/2	3,122.81	1/2	2,856.54	1/2	2,584.26	1/2	2,312.00	1/2	2,040.01	1/2	1,767.99
3/4		3/4	3,761.59	3/4	3,557.51	3/4	3,337.88	3/4	3,118.24	3/4	2,850.87	3/4	2,578.59	3/4	2,306.33	3/4	2,034.35	3/4	1,762.32
5		5	3,759.69	5	3,552.94	5	3,333.30	5	3,113.66	5	2,845.19	5	2,572.91	5	2,300.66	5	2,028.68	5	1,756.65
1/4		1/4	3,757.80	1/4	3,548.36	1/4	3,328.72	1/4	3,109.09	1/4	2,839.52	1/4	2,567.24	1/4	2,294.99	1/4	2,023.02	1/4	1,750.98
1/2		1/2	3,755.90	1/2	3,543.79	1/2	3,324.15	1/2	3,104.51	1/2	2,833.85	1/2	2,561.57	1/2	2,289.32	1/2	2,017.36	1/2	1,745.31
3/4		3/4	3,752.67	3/4	3,539.21	3/4	3,319.57	3/4	3,099.38	3/4	2,828.18	3/4	2,555.90	3/4	2,283.65	3/4	2,011.69	3/4	1,739.64
6		6	3,749.43	6	3,534.64	6	3,315.00	6	3,094.25	6	2,822.50	6	2,550.22	6	2,277.99	6	2,006.03	6	1,733.97
1/4		1/4	3,746.20	1/4	3,530.06	1/4	3,310.42	1/4	3,089.12	1/4	2,816.83	1/4	2,544.55	1/4	2,272.32	1/4	2,000.36	1/4	1,728.31
1/2		1/2	3,742.96	1/2	3,525.48	1/2	3,305.85	1/2	3,083.99	1/2	2,811.16	1/2	2,538.88	1/2	2,266.65	1/2	1,994.70	1/2	1,722.64
3/4		3/4	3,738.89	3/4	3,520.91	3/4	3,301.27	3/4	3,078.30	3/4	2,805.49	3/4	2,533.21	3/4	2,260.98	3/4	1,989.04	3/4	1,716.97
7		7	3,734.81	7	3,516.33	7	3,296.69	7	3,072.61	7	2,799.81	7	2,527.53	7	2,255.31	7	1,983.37	7	1,711.30
1/4		1/4	3,730.73	1/4	3,511.76	1/4	3,292.12	1/4	3,066.93	1/4	2,794.14	1/4	2,521.86	1/4	2,249.64	1/4	1,977.71	1/4	1,705.63
1/2		1/2	3,726.66	1/2	3,507.18	1/2	3,287.54	1/2	3,061.24	1/2	2,788.47	1/2	2,516.19	1/2	2,243.97	1/2	1,972.05	1/2	1,699.96
3/4		3/4	3,722.11	3/4	3,502.60	3/4	3,282.97	3/4	3,055.55	3/4	2,782.80	3/4	2,510.52	3/4	2,238.30	3/4	1,966.38	3/4	1,694.29
8		8	3,717.57	8	3,498.03	8	3,278.39	8	3,049.87	8	2,777.12	8	2,504.84	8	2,232.63	8	1,960.72	8	1,688.62
1/4		1/4	3,713.02	1/4	3,493.45	1/4	3,273.81	1/4	3,044.18	1/4	2,771.45	1/4	2,499.17	1/4	2,226.96	1/4	1,955.05	1/4	1,682.96
1/2		1/2	3,708.48	1/2	3,488.88	1/2	3,269.24	1/2	3,038.49	1/2	2,765.78	1/2	2,493.50	1/2	2,221.30	1/2	1,949.39	1/2	1,677.29
3/4		3/4	3,703.91	3/4	3,484.30	3/4	3,264.66	3/4	3,032.80	3/4	2,760.11	3/4	2,487.83	3/4	2,215.62	3/4	1,943.72	3/4	1,671.62
9		9	3,699.35	9	3,479.73	9	3,260.09	9	3,027.12	9	2,754.43	9	2,482.15	9	2,209.95	9	1,938.05	9	1,665.95
1/4		1/4	3,694.78	1/4	3,475.15	1/4	3,255.51	1/4	3,021.43	1/4	2,748.76	1/4	2,476.48	1/4	2,204.28	1/4	1,932.38	1/4	1,660.28
1/2		1/2	3,690.21	1/2	3,470.57	1/2	3,250.94	1/2	3,015.74	1/2	2,743.09	1/2	2,470.81	1/2	2,198.61	1/2	1,926.71	1/2	1,654.61
3/4		3/4	3,685.63	3/4	3,466.00	3/4	3,246.36	3/4	3,010.06	3/4	2,737.42	3/4	2,465.14	3/4	2,192.94	3/4	1,921.04	3/4	1,648.94
10		10	3,681.06	10	3,461.42	10	3,241.78	10	3,004.37	10	2,731.74	10	2,459.46	10	2,187.27	10	1,915.38	10	1,643.27
1/4		1/4	3,676.48	1/4	3,456.85	1/4	3,237.21	1/4	2,998.68	1/4	2,726.07	1/4	2,453.79	1/4	2,181.60	1/4	1,909.71	1/4	1,637.60
1/2		1/2	3,671.91	1/2	3,452.27	1/2	3,232.63	1/2	2,993.00	1/2	2,720.40	1/2	2,448.12	1/2	2,175.94	1/2	1,904.04	1/2	1,631.94
3/4		3/4	3,667.33	3/4	3,447.70	3/4	3,228.06	3/4	2,987.31	3/4	2,714.73	3/4	2,442.45	3/4	2,170.27	3/4	1,898.37	3/4	1,626.27
11		11	3,662.76	11	3,443.12	11	3,223.48	11	2,981.62	11	2,709.05	11	2,436.77	11	2,164.61	11	1,892.70	11	1,620.60
1/4		1/4	3,658.18	1/4	3,438.54	1/4	3,218.91	1/4	2,975.94	1/4	2,703.38	1/4	2,431.10	1/4	2,158.95	1/4	1,887.03	1/4	1,614.93
1/2		1/2	3,653.61	1/2	3,433.97	1/2	3,214.33	1/2	2,970.25	1/2	2,697.71	1/2	2,425.43	1/2	2,153.28	1/2	1,881.36	1/2	1,609.26
3/4		3/4	3,649.03	3/4	3,429.39	3/4	3,209.75	3/4	2,964.56	3/4	2,692.04	3/4	2,419.76	3/4	2,147.62	3/4	1,875.69	3/4	1,603.59

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 28'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "HFL 232SS"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-11 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	1,597.92	0	1,325.82	0	1,053.72	0	784.37	0	516.82	0	243.88	0		0		0		0	
1/4	1,592.25	1/4	1,320.15	1/4	1,048.05	1/4	778.89	1/4	511.14	1/4	238.19	1/4		1/4		1/4		1/4	
1/2	1,586.59	1/2	1,314.48	1/2	1,042.38	1/2	773.41	1/2	505.45	1/2	232.51	1/2		1/2		1/2		1/2	
3/4	1,580.92	3/4	1,308.81	3/4	1,036.71	3/4	767.94	3/4	499.77	3/4	226.82	3/4		3/4		3/4		3/4	
1	1,575.25	1	1,303.15	1	1,031.04	1	762.46	1	494.08	1	221.13	1		1		1		1	
1/4	1,569.58	1/4	1,297.48	1/4	1,025.37	1/4	756.99	1/4	488.40	1/4	215.45	1/4		1/4		1/4		1/4	
1/2	1,563.91	1/2	1,291.81	1/2	1,019.71	1/2	751.52	1/2	482.71	1/2	209.76	1/2		1/2		1/2		1/2	
3/4	1,558.24	3/4	1,286.14	3/4	1,014.04	3/4	746.05	3/4	477.02	3/4	204.08	3/4		3/4		3/4		3/4	
2	1,552.57	2	1,280.47	2	1,008.37	2	740.58	2	471.34	2	198.39	2		2		2		2	
1/4	1,546.90	1/4	1,274.80	1/4	1,002.70	1/4	735.11	1/4	465.65	1/4	192.70	1/4		1/4		1/4		1/4	
1/2	1,541.24	1/2	1,269.13	1/2	997.03	1/2	729.64	1/2	459.96	1/2	187.02	1/2		1/2		1/2		1/2	
3/4	1,535.57	3/4	1,263.46	3/4	991.36	3/4	724.17	3/4	454.28	3/4	181.33	3/4		3/4		3/4		3/4	
3	1,529.90	3	1,257.80	3	985.69	3	718.70	3	448.59	3	175.64	3		3		3		3	
1/4	1,524.23	1/4	1,252.13	1/4	980.02	1/4	713.23	1/4	442.90	1/4	169.96	1/4		1/4		1/4		1/4	
1/2	1,518.56	1/2	1,246.46	1/2	974.36	1/2	707.75	1/2	437.22	1/2	164.27	1/2		1/2		1/2		1/2	
3/4	1,512.89	3/4	1,240.79	3/4	968.69	3/4	702.28	3/4	431.53	3/4	158.58	3/4		3/4		3/4		3/4	
4	1,507.22	4	1,235.12	4	963.02	4	696.81	4	425.84	4	152.90	4		4		4		4	
1/4	1,501.55	1/4	1,229.45	1/4	957.35	1/4	691.34	1/4	420.16	1/4	147.21	1/4		1/4		1/4		1/4	
1/2	1,495.88	1/2	1,223.78	1/2	951.68	1/2	685.87	1/2	414.47	1/2	141.52	1/2		1/2		1/2		1/2	
3/4	1,490.22	3/4	1,218.11	3/4	946.01	3/4	680.38	3/4	408.79	3/4	135.84	3/4		3/4		3/4		3/4	
5	1,484.55	5	1,212.44	5	940.34	5	674.89	5	403.10	5	130.15	5		5		5		5	
1/4	1,478.88	1/4	1,206.78	1/4	934.67	1/4	669.40	1/4	397.41	1/4	124.47	1/4		1/4		1/4		1/4	
1/2	1,473.21	1/2	1,201.11	1/2	929.00	1/2	663.91	1/2	391.73	1/2	118.78	1/2		1/2		1/2		1/2	
3/4	1,467.54	3/4	1,195.44	3/4	923.34	3/4	658.33	3/4	386.04	3/4	113.09	3/4		3/4		3/4		3/4	
6	1,461.87	6	1,189.77	6	917.67	6	652.75	6	380.35	6	107.41	6		6		6		6	
1/4	1,456.20	1/4	1,184.10	1/4	912.00	1/4	647.16	1/4	374.67	1/4	101.72	1/4		1/4		1/4		1/4	
1/2	1,450.53	1/2	1,178.43	1/2	906.33	1/2	641.58	1/2	368.98	1/2	96.04	1/2		1/2		1/2		1/2	
3/4	1,444.87	3/4	1,172.76	3/4	900.66	3/4	635.92	3/4	363.29	3/4	90.36	3/4		3/4		3/4		3/4	
7	1,439.20	7	1,167.09	7	894.99	7	630.27	7	357.61	7	84.68	7		7		7		7	
1/4	1,433.53	1/4	1,161.43	1/4	889.32	1/4	624.61	1/4	351.92	1/4	79.00	1/4		1/4		1/4		1/4	
1/2	1,427.86	1/2	1,155.76	1/2	883.65	1/2	618.95	1/2	346.24	1/2	73.32	1/2		1/2		1/2		1/2	
3/4	1,422.19	3/4	1,150.09	3/4	878.06	3/4	613.29	3/4	340.55	3/4	67.67	3/4		3/4		3/4		3/4	
8	1,416.52	8	1,144.42	8	872.46	8	607.62	8	334.86	8	62.01	8		8		8		8	
1/4	1,410.85	1/4	1,138.75	1/4	866.86	1/4	601.96	1/4	329.18	1/4	56.36	1/4		1/4		1/4		1/4	
1/2	1,405.18	1/2	1,133.08	1/2	861.27	1/2	596.29	1/2	323.49	1/2	50.71	1/2		1/2		1/2		1/2	
3/4	1,399.52	3/4	1,127.41	3/4	855.76	3/4	590.62	3/4	317.80	3/4	45.52	3/4		3/4		3/4		3/4	
9	1,393.85	9	1,121.74	9	850.25	9	584.94	9	312.12	9	40.33	9		9		9		9	
1/4	1,388.18	1/4	1,116.08	1/4	844.75	1/4	579.27	1/4	306.43	1/4	35.15	1/4		1/4		1/4		1/4	
1/2	1,382.51	1/2	1,110.41	1/2	839.24	1/2	573.59	1/2	300.74	1/2	29.96	1/2		1/2		1/2		1/2	
3/4	1,376.84	3/4	1,104.74	3/4	833.75	3/4	567.92	3/4	295.06	3/4	26.17	3/4		3/4		3/4		3/4	
10	1,371.17	10	1,099.07	10	828.26	10	562.24	10	289.37	10	22.38	10		10		10		10	
1/4	1,365.50	1/4	1,093.40	1/4	822.77	1/4	556.57	1/4	283.68	1/4	18.59	1/4		1/4		1/4		1/4	
1/2	1,359.83	1/2	1,087.73	1/2	817.28	1/2	550.89	1/2	278.00	1/2	14.80	1/2		1/2		1/2		1/2	
3/4	1,354.16	3/4	1,082.06	3/4	811.79	3/4	545.22	3/4	272.31	3/4	12.91	3/4		3/4		3/4		3/4	
11	1,348.50	11	1,076.39	11	806.30	11	539.54	11	266.63	11	11.01	11		11		11		11	
1/4	1,342.83	1/4	1,070.72	1/4	800.82	1/4	533.86	1/4	260.94	1/4	9.11	1/4		1/4		1/4		1/4	
1/2	1,337.16	1/2	1,065.06	1/2	795.33	1/2	528.18	1/2	255.25	1/2	7.22	1/2		1/2		1/2		1/2	
3/4	1,331.49	3/4	1,059.39	3/4	789.85	3/4	522.50	3/4	249.57	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/19/2024 CL
CALCULATED: 12/20/2024 CL
PRINTED: 12/20/2024 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2024

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



BARGE "HFL 232SS"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-11 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		0	3,432.35	0	3,184.91	0	2,937.47	0	2,690.03	0	2,442.59	0	2,195.15	0	1,947.71	0	1,700.27
1/4		1/4		1/4	3,427.19	1/4	3,179.75	1/4	2,932.31	1/4	2,684.87	1/4	2,437.43	1/4	2,189.99	1/4	1,942.55	1/4	1,695.11
1/2		1/2		1/2	3,422.04	1/2	3,174.60	1/2	2,927.16	1/2	2,679.72	1/2	2,432.28	1/2	2,184.84	1/2	1,937.40	1/2	1,689.96
3/4		3/4		3/4	3,416.88	3/4	3,169.44	3/4	2,922.00	3/4	2,674.56	3/4	2,427.12	3/4	2,179.68	3/4	1,932.24	3/4	1,684.80
1		1		1	3,411.73	1	3,164.29	1	2,916.85	1	2,669.41	1	2,421.97	1	2,174.53	1	1,927.09	1	1,679.65
1/4		1/4		1/4	3,406.57	1/4	3,159.13	1/4	2,911.69	1/4	2,664.25	1/4	2,416.81	1/4	2,169.37	1/4	1,921.93	1/4	1,674.49
1/2		1/2		1/2	3,401.42	1/2	3,153.98	1/2	2,906.54	1/2	2,659.10	1/2	2,411.66	1/2	2,164.22	1/2	1,916.78	1/2	1,669.34
3/4		3/4		3/4	3,396.26	3/4	3,148.82	3/4	2,901.38	3/4	2,653.94	3/4	2,406.50	3/4	2,159.06	3/4	1,911.62	3/4	1,664.18
2		2		2	3,391.11	2	3,143.67	2	2,896.23	2	2,648.79	2	2,401.35	2	2,153.91	2	1,906.47	2	1,659.03
1/4		1/4		1/4	3,385.95	1/4	3,138.51	1/4	2,891.07	1/4	2,643.63	1/4	2,396.19	1/4	2,148.75	1/4	1,901.31	1/4	1,653.87
1/2		1/2		1/2	3,380.80	1/2	3,133.36	1/2	2,885.92	1/2	2,638.48	1/2	2,391.04	1/2	2,143.60	1/2	1,896.16	1/2	1,648.72
3/4		3/4		3/4	3,375.64	3/4	3,128.20	3/4	2,880.76	3/4	2,633.32	3/4	2,385.88	3/4	2,138.44	3/4	1,891.00	3/4	1,643.56
3		3		3	3,370.49	3	3,123.05	3	2,875.61	3	2,628.17	3	2,380.73	3	2,133.29	3	1,885.85	3	1,638.41
1/4		1/4		1/4	3,365.33	1/4	3,117.89	1/4	2,870.45	1/4	2,623.01	1/4	2,375.57	1/4	2,128.13	1/4	1,880.69	1/4	1,633.25
1/2		1/2		1/2	3,360.18	1/2	3,112.74	1/2	2,865.30	1/2	2,617.86	1/2	2,370.42	1/2	2,122.98	1/2	1,875.54	1/2	1,628.10
3/4		3/4		3/4	3,355.02	3/4	3,107.58	3/4	2,860.14	3/4	2,612.70	3/4	2,365.26	3/4	2,117.82	3/4	1,870.38	3/4	1,622.94
4		4		4	3,349.87	4	3,102.43	4	2,854.99	4	2,607.55	4	2,360.11	4	2,112.67	4	1,865.23	4	1,617.79
1/4		1/4	3,560.95	1/4	3,344.71	1/4	3,097.27	1/4	2,849.83	1/4	2,602.39	1/4	2,354.95	1/4	2,107.51	1/4	1,860.07	1/4	1,612.63
1/2		1/2	3,560.09	1/2	3,339.56	1/2	3,092.12	1/2	2,844.68	1/2	2,597.24	1/2	2,349.80	1/2	2,102.36	1/2	1,854.92	1/2	1,607.48
3/4		3/4	3,559.23	3/4	3,334.40	3/4	3,086.96	3/4	2,839.52	3/4	2,592.08	3/4	2,344.64	3/4	2,097.20	3/4	1,849.76	3/4	1,602.32
5		5	3,557.51	5	3,329.25	5	3,081.81	5	2,834.37	5	2,586.93	5	2,339.49	5	2,092.05	5	1,844.61	5	1,597.17
1/4		1/4	3,555.79	1/4	3,324.09	1/4	3,076.65	1/4	2,829.21	1/4	2,581.77	1/4	2,334.33	1/4	2,086.89	1/4	1,839.45	1/4	1,592.01
1/2		1/2	3,554.07	1/2	3,318.94	1/2	3,071.50	1/2	2,824.06	1/2	2,576.62	1/2	2,329.18	1/2	2,081.74	1/2	1,834.30	1/2	1,586.86
3/4		3/4	3,552.36	3/4	3,313.78	3/4	3,066.34	3/4	2,818.90	3/4	2,571.46	3/4	2,324.02	3/4	2,076.58	3/4	1,829.14	3/4	1,581.70
6		6	3,548.92	6	3,308.63	6	3,061.19	6	2,813.75	6	2,566.31	6	2,318.87	6	2,071.43	6	1,823.99	6	1,576.55
1/4		1/4	3,545.48	1/4	3,303.47	1/4	3,056.03	1/4	2,808.59	1/4	2,561.15	1/4	2,313.71	1/4	2,066.27	1/4	1,818.83	1/4	1,571.39
1/2		1/2	3,542.05	1/2	3,298.32	1/2	3,050.88	1/2	2,803.44	1/2	2,556.00	1/2	2,308.56	1/2	2,061.12	1/2	1,813.68	1/2	1,566.24
3/4		3/4	3,538.61	3/4	3,293.16	3/4	3,045.72	3/4	2,798.28	3/4	2,550.84	3/4	2,303.40	3/4	2,055.96	3/4	1,808.52	3/4	1,561.08
7		7	3,533.91	7	3,288.01	7	3,040.57	7	2,793.13	7	2,545.69	7	2,298.25	7	2,050.81	7	1,803.37	7	1,555.93
1/4		1/4	3,529.21	1/4	3,282.85	1/4	3,035.41	1/4	2,787.97	1/4	2,540.53	1/4	2,293.09	1/4	2,045.65	1/4	1,798.21	1/4	1,550.77
1/2		1/2	3,524.51	1/2	3,277.70	1/2	3,030.26	1/2	2,782.82	1/2	2,535.38	1/2	2,287.94	1/2	2,040.50	1/2	1,793.06	1/2	1,545.62
3/4		3/4	3,519.81	3/4	3,272.54	3/4	3,025.10	3/4	2,777.66	3/4	2,530.22	3/4	2,282.78	3/4	2,035.34	3/4	1,787.90	3/4	1,540.46
8		8	3,514.68	8	3,267.39	8	3,019.95	8	2,772.51	8	2,525.07	8	2,277.63	8	2,030.19	8	1,782.75	8	1,535.31
1/4		1/4	3,509.55	1/4	3,262.23	1/4	3,014.79	1/4	2,767.35	1/4	2,519.91	1/4	2,272.47	1/4	2,025.03	1/4	1,777.59	1/4	1,530.15
1/2		1/2	3,504.43	1/2	3,257.08	1/2	3,009.64	1/2	2,762.20	1/2	2,514.76	1/2	2,267.32	1/2	2,019.88	1/2	1,772.44	1/2	1,525.00
3/4		3/4	3,499.30	3/4	3,251.92	3/4	3,004.48	3/4	2,757.04	3/4	2,509.60	3/4	2,262.16	3/4	2,014.72	3/4	1,767.28	3/4	1,519.84
9		9	3,494.15	9	3,246.77	9	2,999.33	9	2,751.89	9	2,504.45	9	2,257.01	9	2,009.57	9	1,762.13	9	1,514.69
1/4		1/4	3,489.00	1/4	3,241.61	1/4	2,994.17	1/4	2,746.73	1/4	2,499.29	1/4	2,251.85	1/4	2,004.41	1/4	1,756.97	1/4	1,509.53
1/2		1/2	3,483.86	1/2	3,236.46	1/2	2,989.02	1/2	2,741.58	1/2	2,494.14	1/2	2,246.70	1/2	1,999.26	1/2	1,751.82	1/2	1,504.38
3/4		3/4	3,478.71	3/4	3,231.30	3/4	2,983.86	3/4	2,736.42	3/4	2,488.98	3/4	2,241.54	3/4	1,994.10	3/4	1,746.66	3/4	1,499.22
10		10	3,473.56	10	3,226.15	10	2,978.71	10	2,731.27	10	2,483.83	10	2,236.39	10	1,988.95	10	1,741.51	10	1,494.07
1/4		1/4	3,468.42	1/4	3,220.99	1/4	2,973.55	1/4	2,726.11	1/4	2,478.67	1/4	2,231.23	1/4	1,983.79	1/4	1,736.35	1/4	1,488.91
1/2		1/2	3,463.27	1/2	3,215.84	1/2	2,968.40	1/2	2,720.96	1/2	2,473.52	1/2	2,226.08	1/2	1,978.64	1/2	1,731.20	1/2	1,483.76
3/4		3/4	3,458.12	3/4	3,210.68	3/4	2,963.24	3/4	2,715.80	3/4	2,468.36	3/4	2,220.92	3/4	1,973.48	3/4	1,726.04	3/4	1,478.60
11		11	3,452.97	11	3,205.53	11	2,958.09	11	2,710.65	11	2,463.21	11	2,215.77	11	1,968.33	11	1,720.89	11	1,473.45
1/4		1/4	3,447.81	1/4	3,200.37	1/4	2,952.93	1/4	2,705.49	1/4	2,458.05	1/4	2,210.61	1/4	1,963.17	1/4	1,715.73	1/4	1,468.29
1/2		1/2	3,442.66	1/2	3,195.22	1/2	2,947.78	1/2	2,700.34	1/2	2,452.90	1/2	2,205.46	1/2	1,958.02	1/2	1,710.58	1/2	1,463.14
3/4		3/4	3,437.50	3/4	3,190.06	3/4	2,942.62	3/4	2,695.18	3/4	2,447.74	3/4	2,200.30	3/4	1,952.86	3/4	1,705.42	3/4	1,457.98

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'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HFL 232SS"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-11 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	1,452.83	0	1,205.39	0	957.95	0	712.89	0	469.46	0	222.03	0		0		0		0	
1/4	1,447.67	1/4	1,200.23	1/4	952.79	1/4	707.90	1/4	464.30	1/4	216.88	1/4		1/4		1/4		1/4	
1/2	1,442.52	1/2	1,195.08	1/2	947.64	1/2	702.90	1/2	459.15	1/2	211.72	1/2		1/2		1/2		1/2	
3/4	1,437.36	3/4	1,189.92	3/4	942.48	3/4	697.91	3/4	453.99	3/4	206.57	3/4		3/4		3/4		3/4	
1	1,432.21	1	1,184.77	1	937.33	1	692.92	1	448.84	1	201.41	1		1		1		1	
1/4	1,427.05	1/4	1,179.61	1/4	932.17	1/4	687.92	1/4	443.68	1/4	196.26	1/4		1/4		1/4		1/4	
1/2	1,421.90	1/2	1,174.46	1/2	927.02	1/2	682.93	1/2	438.53	1/2	191.10	1/2		1/2		1/2		1/2	
3/4	1,416.74	3/4	1,169.30	3/4	921.86	3/4	677.94	3/4	433.37	3/4	185.95	3/4		3/4		3/4		3/4	
2	1,411.59	2	1,164.15	2	916.71	2	672.94	2	428.22	2	180.79	2		2		2		2	
1/4	1,406.43	1/4	1,158.99	1/4	911.55	1/4	667.95	1/4	423.06	1/4	175.64	1/4		1/4		1/4		1/4	
1/2	1,401.28	1/2	1,153.84	1/2	906.40	1/2	662.96	1/2	417.91	1/2	170.48	1/2		1/2		1/2		1/2	
3/4	1,396.12	3/4	1,148.68	3/4	901.24	3/4	657.97	3/4	412.75	3/4	165.33	3/4		3/4		3/4		3/4	
3	1,390.97	3	1,143.53	3	896.09	3	652.97	3	407.60	3	160.17	3		3		3		3	
1/4	1,385.81	1/4	1,138.37	1/4	890.93	1/4	647.98	1/4	402.45	1/4	155.02	1/4		1/4		1/4		1/4	
1/2	1,380.66	1/2	1,133.22	1/2	885.78	1/2	642.99	1/2	397.29	1/2	149.86	1/2		1/2		1/2		1/2	
3/4	1,375.50	3/4	1,128.06	3/4	880.62	3/4	637.99	3/4	392.14	3/4	144.71	3/4		3/4		3/4		3/4	
4	1,370.35	4	1,122.91	4	875.47	4	633.00	4	386.98	4	139.56	4		4		4		4	
1/4	1,365.19	1/4	1,117.75	1/4	870.31	1/4	628.01	1/4	381.83	1/4	134.40	1/4		1/4		1/4		1/4	
1/2	1,360.04	1/2	1,112.60	1/2	865.16	1/2	623.01	1/2	376.67	1/2	129.25	1/2		1/2		1/2		1/2	
3/4	1,354.88	3/4	1,107.44	3/4	860.00	3/4	618.02	3/4	371.52	3/4	124.09	3/4		3/4		3/4		3/4	
5	1,349.73	5	1,102.29	5	854.85	5	613.02	5	366.36	5	118.94	5		5		5		5	
1/4	1,344.57	1/4	1,097.13	1/4	849.69	1/4	608.02	1/4	361.21	1/4	113.78	1/4		1/4		1/4		1/4	
1/2	1,339.42	1/2	1,091.98	1/2	844.54	1/2	603.02	1/2	356.05	1/2	108.63	1/2		1/2		1/2		1/2	
3/4	1,334.26	3/4	1,086.82	3/4	839.38	3/4	598.02	3/4	350.90	3/4	103.47	3/4		3/4		3/4		3/4	
6	1,329.11	6	1,081.67	6	834.23	6	592.94	6	345.74	6	98.32	6		6		6		6	
1/4	1,323.95	1/4	1,076.51	1/4	829.07	1/4	587.86	1/4	340.59	1/4	93.16	1/4		1/4		1/4		1/4	
1/2	1,318.80	1/2	1,071.36	1/2	823.92	1/2	582.78	1/2	335.43	1/2	88.01	1/2		1/2		1/2		1/2	
3/4	1,313.64	3/4	1,066.20	3/4	818.76	3/4	577.70	3/4	330.28	3/4	82.86	3/4		3/4		3/4		3/4	
7	1,308.49	7	1,061.05	7	813.61	7	572.55	7	325.12	7	77.71	7		7		7		7	
1/4	1,303.33	1/4	1,055.89	1/4	808.45	1/4	567.40	1/4	319.97	1/4	72.56	1/4		1/4		1/4		1/4	
1/2	1,298.18	1/2	1,050.74	1/2	803.30	1/2	562.24	1/2	314.82	1/2	67.41	1/2		1/2		1/2		1/2	
3/4	1,293.02	3/4	1,045.58	3/4	798.14	3/4	557.09	3/4	309.66	3/4	62.27	3/4		3/4		3/4		3/4	
8	1,287.87	8	1,040.43	8	793.06	8	551.93	8	304.51	8	57.14	8		8		8		8	
1/4	1,282.71	1/4	1,035.27	1/4	787.98	1/4	546.78	1/4	299.35	1/4	52.01	1/4		1/4		1/4		1/4	
1/2	1,277.56	1/2	1,030.12	1/2	782.90	1/2	541.62	1/2	294.20	1/2	46.89	1/2		1/2		1/2		1/2	
3/4	1,272.40	3/4	1,024.96	3/4	777.82	3/4	536.47	3/4	289.04	3/4	41.76	3/4		3/4		3/4		3/4	
9	1,267.25	9	1,019.81	9	772.83	9	531.31	9	283.89	9	37.06	9		9		9		9	
1/4	1,262.09	1/4	1,014.65	1/4	767.83	1/4	526.16	1/4	278.73	1/4	32.36	1/4		1/4		1/4		1/4	
1/2	1,256.94	1/2	1,009.50	1/2	762.83	1/2	521.00	1/2	273.58	1/2	27.66	1/2		1/2		1/2		1/2	
3/4	1,251.78	3/4	1,004.34	3/4	757.83	3/4	515.85	3/4	268.42	3/4	22.96	3/4		3/4		3/4		3/4	
10	1,246.63	10	999.19	10	752.84	10	510.69	10	263.27	10	19.52	10		10		10		10	
1/4	1,241.47	1/4	994.03	1/4	747.84	1/4	505.54	1/4	258.11	1/4	16.08	1/4		1/4		1/4		1/4	
1/2	1,236.32	1/2	988.88	1/2	742.85	1/2	500.38	1/2	252.96	1/2	12.65	1/2		1/2		1/2		1/2	
3/4	1,231.16	3/4	983.72	3/4	737.86	3/4	495.23	3/4	247.80	3/4	9.21	3/4		3/4		3/4		3/4	
11	1,226.01	11	978.57	11	732.86	11	490.07	11	242.65	11	7.50	11		11		11		11	
1/4	1,220.85	1/4	973.41	1/4	727.87	1/4	484.92	1/4	237.49	1/4	5.78	1/4		1/4		1/4		1/4	
1/2	1,215.70	1/2	968.26	1/2	722.88	1/2	479.77	1/2	232.34	1/2	4.06	1/2		1/2		1/2		1/2	
3/4	1,210.54	3/4	963.10	3/4	717.88	3/4	474.61	3/4	227.19	3/4	2.34	3/4		3/4		3/4		3/4	

STRAPPED: 12/19/2024 CL
CALCULATED: 12/20/2024 CL
PRINTED: 12/20/2024 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2024

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 232SS"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 16'-00 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	3,430.60	0	3,184.44	0	2,938.28	0	2,692.11	0	2,445.95	0	2,199.79	0	1,953.62	0	1,707.46
1/4		1/4		1/4	3,425.48	1/4	3,179.31	1/4	2,933.15	1/4	2,686.99	1/4	2,440.82	1/4	2,194.66	1/4	1,948.50	1/4	1,702.33
1/2		1/2		1/2	3,420.35	1/2	3,174.18	1/2	2,928.02	1/2	2,681.86	1/2	2,435.69	1/2	2,189.53	1/2	1,943.37	1/2	1,697.20
3/4		3/4		3/4	3,415.22	3/4	3,169.06	3/4	2,922.89	3/4	2,676.73	3/4	2,430.57	3/4	2,184.40	3/4	1,938.24	3/4	1,692.08
1		1		1	3,410.09	1	3,163.93	1	2,917.76	1	2,671.60	1	2,425.44	1	2,179.27	1	1,933.11	1	1,686.95
1/4		1/4		1/4	3,404.96	1/4	3,158.80	1/4	2,912.64	1/4	2,666.47	1/4	2,420.31	1/4	2,174.15	1/4	1,927.98	1/4	1,681.82
1/2		1/2		1/2	3,399.83	1/2	3,153.67	1/2	2,907.51	1/2	2,661.34	1/2	2,415.18	1/2	2,169.02	1/2	1,922.85	1/2	1,676.69
3/4		3/4		3/4	3,394.71	3/4	3,148.54	3/4	2,902.38	3/4	2,656.22	3/4	2,410.05	3/4	2,163.89	3/4	1,917.73	3/4	1,671.56
2		2		2	3,389.58	2	3,143.41	2	2,897.25	2	2,651.09	2	2,404.92	2	2,158.76	2	1,912.60	2	1,666.43
1/4		1/4		1/4	3,384.45	1/4	3,138.29	1/4	2,892.12	1/4	2,645.96	1/4	2,399.80	1/4	2,153.63	1/4	1,907.47	1/4	1,661.31
1/2		1/2		1/2	3,379.32	1/2	3,133.16	1/2	2,886.99	1/2	2,640.83	1/2	2,394.67	1/2	2,148.50	1/2	1,902.34	1/2	1,656.18
3/4		3/4		3/4	3,374.19	3/4	3,128.03	3/4	2,881.87	3/4	2,635.70	3/4	2,389.54	3/4	2,143.38	3/4	1,897.21	3/4	1,651.05
3		3		3	3,369.06	3	3,122.90	3	2,876.74	3	2,630.57	3	2,384.41	3	2,138.25	3	1,892.08	3	1,645.92
1/4		1/4		1/4	3,363.93	1/4	3,117.77	1/4	2,871.61	1/4	2,625.45	1/4	2,379.28	1/4	2,133.12	1/4	1,886.96	1/4	1,640.79
1/2		1/2		1/2	3,358.81	1/2	3,112.64	1/2	2,866.48	1/2	2,620.32	1/2	2,374.15	1/2	2,127.99	1/2	1,881.83	1/2	1,635.66
3/4		3/4		3/4	3,353.68	3/4	3,107.51	3/4	2,861.35	3/4	2,615.19	3/4	2,369.03	3/4	2,122.86	3/4	1,876.70	3/4	1,630.54
4		4		4	3,348.55	4	3,102.39	4	2,856.22	4	2,610.06	4	2,363.90	4	2,117.73	4	1,871.57	4	1,625.41
1/4		1/4		1/4	3,343.42	1/4	3,097.26	1/4	2,851.09	1/4	2,604.93	1/4	2,358.77	1/4	2,112.61	1/4	1,866.44	1/4	1,620.28
1/2		1/2		1/2	3,338.29	1/2	3,092.13	1/2	2,845.97	1/2	2,599.80	1/2	2,353.64	1/2	2,107.48	1/2	1,861.31	1/2	1,615.15
3/4		3/4		3/4	3,548.31	3/4	3,333.16	3/4	3,087.00	3/4	2,840.84	3/4	2,594.67	3/4	2,348.51	3/4	2,102.35	3/4	1,856.19
5		5		5	3,547.45	5	3,328.04	5	3,081.87	5	2,835.71	5	2,589.55	5	2,343.38	5	2,097.22	5	1,851.06
1/4		1/4		1/4	3,546.60	1/4	3,322.91	1/4	3,076.74	1/4	2,830.58	1/4	2,584.42	1/4	2,338.25	1/4	2,092.09	1/4	1,845.93
1/2		1/2		1/2	3,544.89	1/2	3,317.78	1/2	3,071.62	1/2	2,825.45	1/2	2,579.29	1/2	2,333.13	1/2	2,086.96	1/2	1,840.80
3/4		3/4		3/4	3,543.18	3/4	3,312.65	3/4	3,066.49	3/4	2,820.32	3/4	2,574.16	3/4	2,328.00	3/4	2,081.83	3/4	1,835.67
6		6		6	3,541.47	6	3,307.52	6	3,061.36	6	2,815.20	6	2,569.03	6	2,322.87	6	2,076.71	6	1,830.54
1/4		1/4		1/4	3,539.76	1/4	3,302.39	1/4	3,056.23	1/4	2,810.07	1/4	2,563.90	1/4	2,317.74	1/4	2,071.58	1/4	1,825.41
1/2		1/2		1/2	3,536.34	1/2	3,297.27	1/2	3,051.10	1/2	2,804.94	1/2	2,558.78	1/2	2,312.61	1/2	2,066.45	1/2	1,820.29
3/4		3/4		3/4	3,532.93	3/4	3,292.14	3/4	3,045.97	3/4	2,799.81	3/4	2,553.65	3/4	2,307.48	3/4	2,061.32	3/4	1,815.16
7		7		7	3,529.51	7	3,287.01	7	3,040.85	7	2,794.68	7	2,548.52	7	2,302.36	7	2,056.19	7	1,810.03
1/4		1/4		1/4	3,526.09	1/4	3,281.88	1/4	3,035.72	1/4	2,789.55	1/4	2,543.39	1/4	2,297.23	1/4	2,051.06	1/4	1,804.90
1/2		1/2		1/2	3,521.41	1/2	3,276.75	1/2	3,030.59	1/2	2,784.43	1/2	2,538.26	1/2	2,292.10	1/2	2,045.94	1/2	1,799.77
3/4		3/4		3/4	3,516.74	3/4	3,271.62	3/4	3,025.46	3/4	2,779.30	3/4	2,533.13	3/4	2,286.97	3/4	2,040.81	3/4	1,794.64
8		8		8	3,512.06	8	3,266.50	8	3,020.33	8	2,774.17	8	2,528.01	8	2,281.84	8	2,035.68	8	1,789.52
1/4		1/4		1/4	3,507.38	1/4	3,261.37	1/4	3,015.20	1/4	2,769.04	1/4	2,522.88	1/4	2,276.71	1/4	2,030.55	1/4	1,784.39
1/2		1/2		1/2	3,502.28	1/2	3,256.24	1/2	3,010.08	1/2	2,763.91	1/2	2,517.75	1/2	2,271.59	1/2	2,025.42	1/2	1,779.26
3/4		3/4		3/4	3,497.18	3/4	3,251.11	3/4	3,004.95	3/4	2,758.78	3/4	2,512.62	3/4	2,266.46	3/4	2,020.29	3/4	1,774.13
9		9		9	3,492.08	9	3,245.98	9	2,999.82	9	2,753.66	9	2,507.49	9	2,261.33	9	2,015.17	9	1,769.00
1/4		1/4		1/4	3,486.98	1/4	3,240.85	1/4	2,994.69	1/4	2,748.53	1/4	2,502.36	1/4	2,256.20	1/4	2,010.04	1/4	1,763.87
1/2		1/2		1/2	3,481.86	1/2	3,235.72	1/2	2,989.56	1/2	2,743.40	1/2	2,497.24	1/2	2,251.07	1/2	2,004.91	1/2	1,758.75
3/4		3/4		3/4	3,476.74	3/4	3,230.60	3/4	2,984.43	3/4	2,738.27	3/4	2,492.11	3/4	2,245.94	3/4	1,999.78	3/4	1,753.62
10		10		10	3,471.62	10	3,225.47	10	2,979.30	10	2,733.14	10	2,486.98	10	2,240.82	10	1,994.65	10	1,748.49
1/4		1/4		1/4	3,466.50	1/4	3,220.34	1/4	2,974.18	1/4	2,728.01	1/4	2,481.85	1/4	2,235.69	1/4	1,989.52	1/4	1,743.36
1/2		1/2		1/2	3,461.37	1/2	3,215.21	1/2	2,969.05	1/2	2,722.88	1/2	2,476.72	1/2	2,230.56	1/2	1,984.40	1/2	1,738.23
3/4		3/4		3/4	3,456.24	3/4	3,210.08	3/4	2,963.92	3/4	2,717.76	3/4	2,471.59	3/4	2,225.43	3/4	1,979.27	3/4	1,733.10
11		11		11	3,451.12	11	3,204.95	11	2,958.79	11	2,712.63	11	2,466.46	11	2,220.30	11	1,974.14	11	1,727.98
1/4		1/4		1/4	3,445.99	1/4	3,199.83	1/4	2,953.66	1/4	2,707.50	1/4	2,461.34	1/4	2,215.17	1/4	1,969.01	1/4	1,722.85
1/2		1/2		1/2	3,440.86	1/2	3,194.70	1/2	2,948.53	1/2	2,702.37	1/2	2,456.21	1/2	2,210.04	1/2	1,963.88	1/2	1,717.72
3/4		3/4		3/4	3,435.73	3/4	3,189.57	3/4	2,943.41	3/4	2,697.24	3/4	2,451.08	3/4	2,204.92	3/4	1,958.75	3/4	1,712.59

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 28'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HFL 232SS"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 16'-00 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	1,461.30	0	1,215.14	0	968.97	0	723.00	0	477.30	0	231.15	0	4.04	0		0		0	
1/4	1,456.17	1/4	1,210.01	1/4	963.84	1/4	717.89	1/4	472.17	1/4	226.02	1/4	2.33	1/4		1/4		1/4	
1/2	1,451.04	1/2	1,204.88	1/2	958.72	1/2	712.78	1/2	467.04	1/2	220.89	1/2		1/2		1/2		1/2	
3/4	1,445.91	3/4	1,199.75	3/4	953.59	3/4	707.67	3/4	461.92	3/4	215.76	3/4		3/4		3/4		3/4	
1	1,440.78	1	1,194.62	1	948.46	1	702.56	1	456.79	1	210.63	1		1		1		1	
1/4	1,435.66	1/4	1,189.49	1/4	943.33	1/4	697.45	1/4	451.66	1/4	205.51	1/4		1/4		1/4		1/4	
1/2	1,430.53	1/2	1,184.36	1/2	938.20	1/2	692.34	1/2	446.53	1/2	200.38	1/2		1/2		1/2		1/2	
3/4	1,425.40	3/4	1,179.24	3/4	933.07	3/4	687.23	3/4	441.40	3/4	195.25	3/4		3/4		3/4		3/4	
2	1,420.27	2	1,174.11	2	927.94	2	682.12	2	436.27	2	190.12	2		2		2		2	
1/4	1,415.14	1/4	1,168.98	1/4	922.82	1/4	677.01	1/4	431.15	1/4	184.99	1/4		1/4		1/4		1/4	
1/2	1,410.01	1/2	1,163.85	1/2	917.69	1/2	671.90	1/2	426.02	1/2	179.86	1/2		1/2		1/2		1/2	
3/4	1,404.89	3/4	1,158.72	3/4	912.56	3/4	666.79	3/4	420.89	3/4	174.74	3/4		3/4		3/4		3/4	
3	1,399.76	3	1,153.59	3	907.43	3	661.68	3	415.76	3	169.61	3		3		3		3	
1/4	1,394.63	1/4	1,148.47	1/4	902.30	1/4	656.57	1/4	410.63	1/4	164.48	1/4		1/4		1/4		1/4	
1/2	1,389.50	1/2	1,143.34	1/2	897.17	1/2	651.46	1/2	405.51	1/2	159.35	1/2		1/2		1/2		1/2	
3/4	1,384.37	3/4	1,138.21	3/4	892.05	3/4	646.35	3/4	400.38	3/4	154.22	3/4		3/4		3/4		3/4	
4	1,379.24	4	1,133.08	4	886.92	4	641.24	4	395.25	4	149.10	4		4		4		4	
1/4	1,374.12	1/4	1,127.95	1/4	881.79	1/4	636.13	1/4	390.12	1/4	143.97	1/4		1/4		1/4		1/4	
1/2	1,368.99	1/2	1,122.82	1/2	876.66	1/2	631.02	1/2	384.99	1/2	138.84	1/2		1/2		1/2		1/2	
3/4	1,363.86	3/4	1,117.70	3/4	871.53	3/4	625.91	3/4	379.86	3/4	133.71	3/4		3/4		3/4		3/4	
5	1,358.73	5	1,112.57	5	866.40	5	620.80	5	374.74	5	128.58	5		5		5		5	
1/4	1,353.60	1/4	1,107.44	1/4	861.28	1/4	615.69	1/4	369.61	1/4	123.45	1/4		1/4		1/4		1/4	
1/2	1,348.47	1/2	1,102.31	1/2	856.15	1/2	610.58	1/2	364.48	1/2	118.33	1/2		1/2		1/2		1/2	
3/4	1,343.35	3/4	1,097.18	3/4	851.02	3/4	605.46	3/4	359.35	3/4	113.20	3/4		3/4		3/4		3/4	
6	1,338.22	6	1,092.05	6	845.89	6	600.35	6	354.22	6	108.07	6		6		6		6	
1/4	1,333.09	1/4	1,086.93	1/4	840.76	1/4	595.23	1/4	349.10	1/4	102.94	1/4		1/4		1/4		1/4	
1/2	1,327.96	1/2	1,081.80	1/2	835.63	1/2	590.11	1/2	343.97	1/2	97.81	1/2		1/2		1/2		1/2	
3/4	1,322.83	3/4	1,076.67	3/4	830.51	3/4	584.98	3/4	338.84	3/4	92.69	3/4		3/4		3/4		3/4	
7	1,317.70	7	1,071.54	7	825.38	7	579.86	7	333.71	7	87.56	7		7		7		7	
1/4	1,312.57	1/4	1,066.41	1/4	820.25	1/4	574.74	1/4	328.58	1/4	82.43	1/4		1/4		1/4		1/4	
1/2	1,307.45	1/2	1,061.28	1/2	815.12	1/2	569.61	1/2	323.45	1/2	77.31	1/2		1/2		1/2		1/2	
3/4	1,302.32	3/4	1,056.15	3/4	809.99	3/4	564.48	3/4	318.33	3/4	72.19	3/4		3/4		3/4		3/4	
8	1,297.19	8	1,051.03	8	804.86	8	559.35	8	313.20	8	67.07	8		8		8		8	
1/4	1,292.06	1/4	1,045.90	1/4	799.73	1/4	554.22	1/4	308.07	1/4	61.95	1/4		1/4		1/4		1/4	
1/2	1,286.93	1/2	1,040.77	1/2	794.61	1/2	549.10	1/2	302.94	1/2	56.85	1/2		1/2		1/2		1/2	
3/4	1,281.80	3/4	1,035.64	3/4	789.49	3/4	543.97	3/4	297.81	3/4	51.75	3/4		3/4		3/4		3/4	
9	1,276.68	9	1,030.51	9	784.36	9	538.84	9	292.69	9	46.65	9		9		9		9	
1/4	1,271.55	1/4	1,025.38	1/4	779.24	1/4	533.71	1/4	287.56	1/4	41.55	1/4		1/4		1/4		1/4	
1/2	1,266.42	1/2	1,020.26	1/2	774.12	1/2	528.58	1/2	282.43	1/2	36.87	1/2		1/2		1/2		1/2	
3/4	1,261.29	3/4	1,015.13	3/4	769.00	3/4	523.45	3/4	277.30	3/4	32.19	3/4		3/4		3/4		3/4	
10	1,256.16	10	1,010.00	10	763.89	10	518.33	10	272.17	10	27.52	10		10		10		10	
1/4	1,251.03	1/4	1,004.87	1/4	758.77	1/4	513.20	1/4	267.04	1/4	22.84	1/4		1/4		1/4		1/4	
1/2	1,245.91	1/2	999.74	1/2	753.66	1/2	508.07	1/2	261.92	1/2	19.42	1/2		1/2		1/2		1/2	
3/4	1,240.78	3/4	994.61	3/4	748.55	3/4	502.94	3/4	256.79	3/4	16.00	3/4		3/4		3/4		3/4	
11	1,235.65	11	989.49	11	743.44	11	497.81	11	251.66	11	12.59	11		11		11		11	
1/4	1,230.52	1/4	984.36	1/4	738.33	1/4	492.69	1/4	246.53	1/4	9.17	1/4		1/4		1/4		1/4	
1/2	1,225.39	1/2	979.23	1/2	733.22	1/2	487.56	1/2	241.40	1/2	7.46	1/2		1/2		1/2		1/2	
3/4	1,220.26	3/4	974.10	3/4	728.11	3/4	482.43	3/4	236.28	3/4	5.75	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/19/2024 CL
CALCULATED: 12/20/2024 CL
PRINTED: 12/20/2024 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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