



BARGE "HMS 3148"

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 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
1 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 PORT	- 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 STBD	- 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
3 PORT	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-1/2	- 03-1/2
3 STBD	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-1/2	- 03-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"
 AFT DRAFT = 5'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 252'-09"

January 23, 2023

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

<http://www.pmacorp.net>



BARGE "HMS 3148"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,922.13	0	4,590.15	0	4,244.06	0	3,885.04	0	3,521.94	0	3,158.85	0	2,795.76	0	2,432.61
1/4	1/4	1/4	1/4	1/4	4,915.36	1/4	4,583.08	1/4	4,236.71	1/4	3,877.47	1/4	3,514.38	1/4	3,151.29	1/4	2,788.20	1/4	2,425.04
1/2	1/2	1/2	1/2	1/2	4,908.59	1/2	4,576.01	1/2	4,229.36	1/2	3,869.91	1/2	3,506.82	1/2	3,143.72	1/2	2,780.63	1/2	2,417.47
3/4	3/4	3/4	3/4	3/4	4,901.80	3/4	4,568.91	3/4	4,221.99	3/4	3,862.34	3/4	3,499.25	3/4	3,136.16	3/4	2,773.07	3/4	2,409.91
1	1	1	1	1	4,895.01	1	4,561.82	1	4,214.62	1	3,854.78	1	3,491.69	1	3,128.60	1	2,765.50	1	2,402.34
1/4	1/4	1/4	1/4	1/4	4,888.22	1/4	4,554.72	1/4	4,207.24	1/4	3,847.21	1/4	3,484.12	1/4	3,121.03	1/4	2,757.94	1/4	2,394.77
1/2	1/2	1/2	1/2	1/2	4,881.43	1/2	4,547.63	1/2	4,199.87	1/2	3,839.65	1/2	3,476.56	1/2	3,113.47	1/2	2,750.38	1/2	2,387.20
3/4	3/4	3/4	3/4	3/4	4,874.62	3/4	4,540.51	3/4	4,192.48	3/4	3,832.09	3/4	3,468.99	3/4	3,105.90	3/4	2,742.81	3/4	2,379.64
2	2	2	2	2	4,867.81	2	4,533.39	2	4,185.08	2	3,824.52	2	3,461.43	2	3,098.34	2	2,735.25	2	2,372.07
1/4	1/4	1/4	1/4	1/4	4,861.00	1/4	4,526.27	1/4	4,177.69	1/4	3,816.96	1/4	3,453.87	1/4	3,090.77	1/4	2,727.68	1/4	2,364.50
1/2	1/2	1/2	1/2	1/2	4,854.18	1/2	4,519.15	1/2	4,170.29	1/2	3,809.39	1/2	3,446.30	1/2	3,083.21	1/2	2,720.12	1/2	2,356.94
3/4	3/4	3/4	3/4	3/4	4,847.35	3/4	4,512.01	3/4	4,162.88	3/4	3,801.83	3/4	3,438.74	3/4	3,075.65	3/4	2,712.55	3/4	2,349.37
3	3	3	3	3	4,840.51	3	4,504.87	3	4,155.46	3	3,794.26	3	3,431.17	3	3,068.08	3	2,704.99	3	2,341.80
1/4	1/4	1/4	1/4	1/4	4,833.68	1/4	4,497.73	1/4	4,148.04	1/4	3,786.70	1/4	3,423.61	1/4	3,060.52	1/4	2,697.43	1/4	2,334.23
1/2	1/2	1/2	1/2	1/2	4,826.84	1/2	4,490.59	1/2	4,140.62	1/2	3,779.13	1/2	3,416.04	1/2	3,052.95	1/2	2,689.86	1/2	2,326.67
3/4	3/4	3/4	3/4	3/4	4,819.98	3/4	4,483.42	3/4	4,133.18	3/4	3,771.57	3/4	3,408.48	3/4	3,045.39	3/4	2,682.30	3/4	2,319.10
4	4	4	4	4	4,813.12	4	4,476.26	4	4,125.74	4	3,764.01	4	3,400.91	4	3,037.82	4	2,674.73	4	2,311.53
1/4	1/4	1/4	1/4	1/4	4,806.26	1/4	4,469.10	1/4	4,118.30	1/4	3,756.44	1/4	3,393.35	1/4	3,030.26	1/4	2,667.17	1/4	2,303.96
1/2	1/2	1/2	1/2	1/2	4,799.40	1/2	4,461.93	1/2	4,110.86	1/2	3,748.88	1/2	3,385.79	1/2	3,022.69	1/2	2,659.60	1/2	2,296.40
3/4	3/4	3/4	3/4	3/4	4,792.52	3/4	4,454.74	3/4	4,103.40	3/4	3,741.31	3/4	3,378.22	3/4	3,015.13	3/4	2,652.04	3/4	2,288.83
5	5	5	5	5	4,785.64	5	4,447.56	5	4,095.93	5	3,733.75	5	3,370.66	5	3,007.57	5	2,644.48	5	2,281.26
1/4	1/4	1/4	1/4	1/4	4,778.76	1/4	4,440.37	1/4	4,088.47	1/4	3,726.18	1/4	3,363.09	1/4	3,000.00	1/4	2,636.92	1/4	2,273.70
1/2	1/2	1/2	1/2	1/2	4,771.88	1/2	4,433.18	1/2	4,081.01	1/2	3,718.62	1/2	3,355.53	1/2	2,992.44	1/2	2,629.35	1/2	2,266.13
3/4	3/4	3/4	3/4	3/4	4,764.97	3/4	4,425.97	3/4	4,073.52	3/4	3,711.05	3/4	3,347.96	3/4	2,984.87	3/4	2,621.79	3/4	2,258.56
6	6	6	6	6	4,758.07	6	4,418.76	6	4,066.03	6	3,703.49	6	3,340.40	6	2,977.31	6	2,614.22	6	2,250.99
1/4	1/4	1/4	1/4	1/4	4,751.16	1/4	4,411.55	1/4	4,058.55	1/4	3,695.93	1/4	3,332.83	1/4	2,969.74	1/4	2,606.65	1/4	2,243.43
1/2	1/2	1/2	1/2	1/2	4,744.26	1/2	4,404.34	1/2	4,051.06	1/2	3,688.36	1/2	3,325.27	1/2	2,962.18	1/2	2,599.09	1/2	2,235.86
3/4	3/4	3/4	3/4	3/4	4,737.33	3/4	4,397.11	3/4	4,043.55	3/4	3,680.80	3/4	3,317.71	3/4	2,954.61	3/4	2,591.52	3/4	2,228.29
7	7	7	7	7	4,730.39	7	4,389.87	7	4,036.04	7	3,673.23	7	3,310.14	7	2,947.05	7	2,583.95	7	2,220.73
1/4	1/4	1/4	1/4	1/4	4,723.46	1/4	4,382.64	1/4	4,028.53	1/4	3,665.67	1/4	3,302.58	1/4	2,939.49	1/4	2,576.38	1/4	2,213.16
1/2	1/2	1/2	1/2	1/2	4,716.53	1/2	4,375.41	1/2	4,021.02	1/2	3,658.10	1/2	3,295.01	1/2	2,931.92	1/2	2,568.82	1/2	2,205.59
3/4	3/4	3/4	3/4	3/4	4,709.55	3/4	4,368.15	3/4	4,013.49	3/4	3,650.54	3/4	3,287.45	3/4	2,924.36	3/4	2,561.25	3/4	2,198.02
8	8	8	8	8	4,702.57	8	4,360.89	8	4,005.96	8	3,642.98	8	3,279.88	8	2,916.79	8	2,553.68	8	2,190.46
1/4	1/4	1/4	1/4	1/4	4,695.59	1/4	4,353.64	1/4	3,998.42	1/4	3,635.41	1/4	3,272.32	1/4	2,909.23	1/4	2,546.12	1/4	2,182.89
1/2	1/2	1/2	1/2	1/2	4,688.61	1/2	4,346.38	1/2	3,990.89	1/2	3,627.85	1/2	3,264.76	1/2	2,901.66	1/2	2,538.55	1/2	2,175.32
3/4	3/4	3/4	3/4	3/4	4,681.61	3/4	4,339.10	3/4	3,983.34	3/4	3,620.28	3/4	3,257.19	3/4	2,894.10	3/4	2,530.98	3/4	2,167.76
9	9	9	9	9	4,674.60	9	4,331.82	9	3,975.79	9	3,612.72	9	3,249.63	9	2,886.54	9	2,523.41	9	2,160.19
1/4	1/4	1/4	1/4	1/4	4,966.17	1/4	4,667.60	1/4	4,324.54	1/4	3,968.23	1/4	3,605.15	1/4	3,242.06	1/4	2,878.97	1/4	2,515.85
1/2	1/2	1/2	1/2	1/2	4,989.54	1/2	4,660.60	1/2	4,317.26	1/2	3,960.68	1/2	3,597.59	1/2	3,234.50	1/2	2,871.41	1/2	2,508.28
3/4	3/4	3/4	3/4	3/4	4,982.81	3/4	4,653.57	3/4	4,309.96	3/4	3,953.12	3/4	3,590.02	3/4	3,226.93	3/4	2,863.84	3/4	2,500.71
10	10	10	10	10	4,646.55	10	4,302.66	10	3,945.55	10	3,582.46	10	3,219.37	10	2,856.28	10	2,493.14	10	2,129.92
1/4	1/4	1/4	1/4	1/4	4,969.37	1/4	4,639.52	1/4	4,295.36	1/4	3,937.99	1/4	3,574.90	1/4	3,211.80	1/4	2,848.71	1/4	2,485.58
1/2	1/2	1/2	1/2	1/2	4,962.64	1/2	4,632.49	1/2	4,288.05	1/2	3,930.42	1/2	3,567.33	1/2	3,204.24	1/2	2,841.15	1/2	2,478.01
3/4	3/4	3/4	3/4	3/4	4,955.90	3/4	4,625.44	3/4	4,280.73	3/4	3,922.86	3/4	3,559.77	3/4	3,196.68	3/4	2,833.58	3/4	2,470.44
11	11	11	11	11	4,618.40	11	4,273.40	11	3,915.29	11	3,552.20	11	3,189.11	11	2,826.02	11	2,462.88	11	2,099.65
1/4	1/4	1/4	1/4	1/4	4,942.41	1/4	4,611.35	1/4	4,266.08	1/4	3,907.73	1/4	3,544.64	1/4	3,181.55	1/4	2,818.46	1/4	2,455.31
1/2	1/2	1/2	1/2	1/2	4,935.66	1/2	4,604.30	1/2	4,258.75	1/2	3,900.16	1/2	3,537.07	1/2	3,173.98	1/2	2,810.89	1/2	2,447.74
3/4	3/4	3/4	3/4	3/4	4,928.89	3/4	4,597.22	3/4	4,251.40	3/4	3,892.60	3/4	3,529.51	3/4	3,166.42	3/4	2,803.33	3/4	2,440.17

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 LIP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "HMS 3148"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,069.38	0	1,706.16	0	1,342.93	0	980.13	0	616.99	0	253.78	0		0		0		0	
1/4	2,061.81	1/4	1,698.59	1/4	1,335.36	1/4	972.58	1/4	609.43	1/4	246.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,054.25	1/2	1,691.02	1/2	1,327.80	1/2	965.02	1/2	601.86	1/2	238.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,046.68	3/4	1,683.45	3/4	1,320.23	3/4	957.47	3/4	594.29	3/4	231.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,039.11	1	1,675.89	1	1,312.66	1	949.91	1	586.73	1	223.51	1	1	1	1	1	1	1	1
1/4	2,031.55	1/4	1,668.32	1/4	1,305.09	1/4	942.36	1/4	579.16	1/4	215.95	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,023.98	1/2	1,660.75	1/2	1,297.53	1/2	934.80	1/2	571.59	1/2	208.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,016.41	3/4	1,653.19	3/4	1,289.96	3/4	927.24	3/4	564.02	3/4	200.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,008.84	2	1,645.62	2	1,282.39	2	919.67	2	556.46	2	193.25	2	2	2	2	2	2	2	2
1/4	2,001.28	1/4	1,638.05	1/4	1,274.83	1/4	912.10	1/4	548.89	1/4	185.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,993.71	1/2	1,630.48	1/2	1,267.26	1/2	904.54	1/2	541.32	1/2	178.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,986.14	3/4	1,622.92	3/4	1,259.69	3/4	896.97	3/4	533.76	3/4	170.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,978.58	3	1,615.35	3	1,252.13	3	889.40	3	526.19	3	162.98	3	3	3	3	3	3	3	3
1/4	1,971.01	1/4	1,607.78	1/4	1,244.56	1/4	881.83	1/4	518.62	1/4	155.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,963.44	1/2	1,600.22	1/2	1,236.99	1/2	874.27	1/2	511.06	1/2	147.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,955.87	3/4	1,592.65	3/4	1,229.44	3/4	866.70	3/4	503.49	3/4	140.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,948.31	4	1,585.08	4	1,221.89	4	859.13	4	495.92	4	132.71	4	4	4	4	4	4	4	4
1/4	1,940.74	1/4	1,577.51	1/4	1,214.33	1/4	851.57	1/4	488.36	1/4	125.14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,933.17	1/2	1,569.95	1/2	1,206.78	1/2	844.00	1/2	480.79	1/2	117.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,925.60	3/4	1,562.38	3/4	1,199.22	3/4	836.43	3/4	473.22	3/4	110.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,918.04	5	1,554.81	5	1,191.67	5	828.87	5	465.66	5	102.60	5	5	5	5	5	5	5	5
1/4	1,910.47	1/4	1,547.24	1/4	1,184.11	1/4	821.30	1/4	458.09	1/4	95.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,902.90	1/2	1,539.68	1/2	1,176.56	1/2	813.73	1/2	450.52	1/2	87.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,895.34	3/4	1,532.11	3/4	1,169.00	3/4	806.17	3/4	442.95	3/4	80.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,887.77	6	1,524.54	6	1,161.45	6	798.60	6	435.39	6	74.07	6	6	6	6	6	6	6	6
1/4	1,880.20	1/4	1,516.98	1/4	1,153.89	1/4	791.03	1/4	427.82	1/4	67.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,872.63	1/2	1,509.41	1/2	1,146.34	1/2	783.46	1/2	420.25	1/2	60.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,865.07	3/4	1,501.84	3/4	1,138.78	3/4	775.90	3/4	412.69	3/4	55.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,857.50	7	1,494.27	7	1,131.23	7	768.33	7	405.12	7	49.48	7	7	7	7	7	7	7	7
1/4	1,849.93	1/4	1,486.71	1/4	1,123.67	1/4	760.76	1/4	397.55	1/4	43.96	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,842.37	1/2	1,479.14	1/2	1,116.12	1/2	753.20	1/2	389.99	1/2	38.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,834.80	3/4	1,471.57	3/4	1,108.56	3/4	745.63	3/4	382.42	3/4	34.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,827.23	8	1,464.01	8	1,101.01	8	738.06	8	374.85	8	29.93	8	8	8	8	8	8	8	8
1/4	1,819.66	1/4	1,456.44	1/4	1,093.45	1/4	730.50	1/4	367.29	1/4	25.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,812.10	1/2	1,448.87	1/2	1,085.90	1/2	722.93	1/2	359.72	1/2	21.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,804.53	3/4	1,441.30	3/4	1,078.34	3/4	715.36	3/4	352.15	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,796.96	9	1,433.74	9	1,070.79	9	707.80	9	344.58	9		9	9	9	9	9	9	9	9
1/4	1,789.40	1/4	1,426.17	1/4	1,063.23	1/4	700.23	1/4	337.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,781.83	1/2	1,418.60	1/2	1,055.68	1/2	692.66	1/2	329.45	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,774.26	3/4	1,411.04	3/4	1,048.12	3/4	685.10	3/4	321.88	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,766.69	10	1,403.47	10	1,040.57	10	677.53	10	314.32	10		10	10	10	10	10	10	10	10
1/4	1,759.13	1/4	1,395.90	1/4	1,033.02	1/4	669.96	1/4	306.75	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,751.56	1/2	1,388.33	1/2	1,025.46	1/2	662.39	1/2	299.18	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,743.99	3/4	1,380.77	3/4	1,017.91	3/4	654.83	3/4	291.62	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,736.42	11	1,373.20	11	1,010.35	11	647.26	11	284.05	11		11	11	11	11	11	11	11	11
1/4	1,728.86	1/4	1,365.63	1/4	1,002.80	1/4	639.69	1/4	276.48	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,721.29	1/2	1,358.06	1/2	995.24	1/2	632.13	1/2	268.92	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,713.72	3/4	1,350.50	3/4	987.69	3/4	624.56	3/4	261.35	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/23/2023 JS
CALCULATED: 01/23/2023 CL
PRINTED: 01/23/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HMS 3148"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,917.68	0	4,585.85	0	4,239.92	0	3,881.09	0	3,518.19	0	3,155.29	0	2,792.39	0	2,429.41
1/4	1/4	1/4	1/4	1/4	4,910.91	1/4	4,578.78	1/4	4,232.58	1/4	3,873.53	1/4	3,510.63	1/4	3,147.73	1/4	2,784.83	1/4	2,421.85
1/2	1/2	1/2	1/2	1/2	4,904.15	1/2	4,571.71	1/2	4,225.23	1/2	3,865.97	1/2	3,503.07	1/2	3,140.17	1/2	2,777.27	1/2	2,414.28
3/4	3/4	3/4	3/4	3/4	4,897.36	3/4	4,564.62	3/4	4,217.86	3/4	3,858.41	3/4	3,495.51	3/4	3,132.61	3/4	2,769.71	3/4	2,406.72
1	1	1	1	1	4,890.57	1	4,557.53	1	4,210.50	1	3,850.85	1	3,487.95	1	3,125.05	1	2,762.15	1	2,399.16
1/4	1/4	1/4	1/4	1/4	4,883.79	1/4	4,550.44	1/4	4,203.13	1/4	3,843.29	1/4	3,480.39	1/4	3,117.49	1/4	2,754.59	1/4	2,391.59
1/2	1/2	1/2	1/2	1/2	4,877.00	1/2	4,543.34	1/2	4,195.76	1/2	3,835.72	1/2	3,472.83	1/2	3,109.93	1/2	2,747.03	1/2	2,384.03
3/4	3/4	3/4	3/4	3/4	4,870.19	3/4	4,536.23	3/4	4,188.37	3/4	3,828.16	3/4	3,465.27	3/4	3,102.37	3/4	2,739.47	3/4	2,376.47
2	2	2	2	2	4,863.38	2	4,529.12	2	4,180.98	2	3,820.60	2	3,457.70	2	3,094.81	2	2,731.91	2	2,368.91
1/4	1/4	1/4	1/4	1/4	4,856.57	1/4	4,522.00	1/4	4,173.59	1/4	3,813.04	1/4	3,450.14	1/4	3,087.25	1/4	2,724.35	1/4	2,361.34
1/2	1/2	1/2	1/2	1/2	4,849.76	1/2	4,514.89	1/2	4,166.20	1/2	3,805.48	1/2	3,442.58	1/2	3,079.68	1/2	2,716.79	1/2	2,353.78
3/4	3/4	3/4	3/4	3/4	4,842.93	3/4	4,507.75	3/4	4,158.78	3/4	3,797.92	3/4	3,435.02	3/4	3,072.12	3/4	2,709.23	3/4	2,346.22
3	3	3	3	3	4,836.10	3	4,500.61	3	4,151.37	3	3,790.36	3	3,427.46	3	3,064.56	3	2,701.66	3	2,338.65
1/4	1/4	1/4	1/4	1/4	4,829.26	1/4	4,493.47	1/4	4,143.96	1/4	3,782.80	1/4	3,419.90	1/4	3,057.00	1/4	2,694.10	1/4	2,331.09
1/2	1/2	1/2	1/2	1/2	4,822.43	1/2	4,486.33	1/2	4,136.54	1/2	3,775.24	1/2	3,412.34	1/2	3,049.44	1/2	2,686.54	1/2	2,323.53
3/4	3/4	3/4	3/4	3/4	4,815.57	3/4	4,479.17	3/4	4,129.11	3/4	3,767.68	3/4	3,404.78	3/4	3,041.88	3/4	2,678.98	3/4	2,315.96
4	4	4	4	4	4,808.72	4	4,472.01	4	4,121.67	4	3,760.12	4	3,397.22	4	3,034.32	4	2,671.42	4	2,308.40
1/4	1/4	1/4	1/4	1/4	4,801.86	1/4	4,464.85	1/4	4,114.23	1/4	3,752.56	1/4	3,389.66	1/4	3,026.76	1/4	2,663.86	1/4	2,300.84
1/2	1/2	1/2	1/2	1/2	4,795.01	1/2	4,457.69	1/2	4,106.80	1/2	3,745.00	1/2	3,382.10	1/2	3,019.20	1/2	2,656.30	1/2	2,293.27
3/4	3/4	3/4	3/4	3/4	4,788.13	3/4	4,450.51	3/4	4,099.34	3/4	3,737.44	3/4	3,374.54	3/4	3,011.64	3/4	2,648.74	3/4	2,285.71
5	5	5	5	5	4,781.25	5	4,443.32	5	4,091.88	5	3,729.88	5	3,366.98	5	3,004.08	5	2,641.18	5	2,278.15
1/4	1/4	1/4	1/4	1/4	4,774.37	1/4	4,436.14	1/4	4,084.42	1/4	3,722.32	1/4	3,359.42	1/4	2,996.52	1/4	2,633.61	1/4	2,270.59
1/2	1/2	1/2	1/2	1/2	4,767.49	1/2	4,428.96	1/2	4,076.96	1/2	3,714.76	1/2	3,351.86	1/2	2,988.96	1/2	2,626.05	1/2	2,263.02
3/4	3/4	3/4	3/4	3/4	4,760.59	3/4	4,421.75	3/4	4,069.47	3/4	3,707.20	3/4	3,344.30	3/4	2,981.40	3/4	2,618.49	3/4	2,255.46
6	6	6	6	6	4,753.69	6	4,414.54	6	4,061.99	6	3,699.64	6	3,336.74	6	2,973.84	6	2,610.92	6	2,247.90
1/4	1/4	1/4	1/4	1/4	4,746.79	1/4	4,407.33	1/4	4,054.51	1/4	3,692.08	1/4	3,329.18	1/4	2,966.28	1/4	2,603.36	1/4	2,240.33
1/2	1/2	1/2	1/2	1/2	4,739.88	1/2	4,400.13	1/2	4,047.02	1/2	3,684.52	1/2	3,321.62	1/2	2,958.72	1/2	2,595.80	1/2	2,232.77
3/4	3/4	3/4	3/4	3/4	4,732.96	3/4	4,392.90	3/4	4,039.52	3/4	3,676.96	3/4	3,314.06	3/4	2,951.16	3/4	2,588.24	3/4	2,225.21
7	7	7	7	7	4,726.03	7	4,385.67	7	4,032.01	7	3,669.40	7	3,306.50	7	2,943.60	7	2,580.67	7	2,217.64
1/4	1/4	1/4	1/4	1/4	4,719.10	1/4	4,378.44	1/4	4,024.51	1/4	3,661.84	1/4	3,298.94	1/4	2,936.04	1/4	2,573.11	1/4	2,210.08
1/2	1/2	1/2	1/2	1/2	4,712.17	1/2	4,371.21	1/2	4,017.00	1/2	3,654.28	1/2	3,291.38	1/2	2,928.48	1/2	2,565.55	1/2	2,202.52
3/4	3/4	3/4	3/4	3/4	4,705.19	3/4	4,363.96	3/4	4,009.47	3/4	3,646.71	3/4	3,283.82	3/4	2,920.92	3/4	2,557.98	3/4	2,194.95
8	8	8	8	8	4,698.22	8	4,356.70	8	4,001.94	8	3,639.15	8	3,276.26	8	2,913.36	8	2,550.42	8	2,187.39
1/4	1/4	1/4	1/4	1/4	4,691.24	1/4	4,349.45	1/4	3,994.42	1/4	3,631.59	1/4	3,268.69	1/4	2,905.80	1/4	2,542.86	1/4	2,179.83
1/2	1/2	1/2	1/2	1/2	4,684.26	1/2	4,342.20	1/2	3,986.89	1/2	3,624.03	1/2	3,261.13	1/2	2,898.24	1/2	2,535.29	1/2	2,172.27
3/4	3/4	3/4	3/4	3/4	4,677.26	3/4	4,334.92	3/4	3,979.34	3/4	3,616.47	3/4	3,253.57	3/4	2,890.67	3/4	2,527.73	3/4	2,164.70
9	9	9	9	9	4,670.26	9	4,327.65	9	3,971.79	9	3,608.91	9	3,246.01	9	2,883.11	9	2,520.17	9	2,157.14
1/4	1/4	1/4	1/4	1/4	4,663.26	1/4	4,320.37	1/4	3,964.24	1/4	3,601.35	1/4	3,238.45	1/4	2,875.55	1/4	2,512.60	1/4	2,149.58
1/2	1/2	1/2	1/2	1/2	4,656.26	1/2	4,313.09	1/2	3,956.69	1/2	3,593.79	1/2	3,230.89	1/2	2,867.99	1/2	2,505.04	1/2	2,142.01
3/4	3/4	3/4	3/4	3/4	4,649.24	3/4	4,305.79	3/4	3,949.13	3/4	3,586.23	3/4	3,223.33	3/4	2,860.43	3/4	2,497.48	3/4	2,134.45
10	10	10	10	10	4,642.22	10	4,298.50	10	3,941.57	10	3,578.67	10	3,215.77	10	2,852.87	10	2,489.92	10	2,126.89
1/4	1/4	1/4	1/4	1/4	4,635.19	1/4	4,291.20	1/4	3,934.01	1/4	3,571.11	1/4	3,208.21	1/4	2,845.31	1/4	2,482.35	1/4	2,119.32
1/2	1/2	1/2	1/2	1/2	4,628.17	1/2	4,283.90	1/2	3,926.45	1/2	3,563.55	1/2	3,200.65	1/2	2,837.75	1/2	2,474.79	1/2	2,111.76
3/4	3/4	3/4	3/4	3/4	4,621.13	3/4	4,276.58	3/4	3,918.89	3/4	3,555.99	3/4	3,193.09	3/4	2,830.19	3/4	2,467.23	3/4	2,104.20
11	11	11	11	11	4,614.08	11	4,269.25	11	3,911.33	11	3,548.43	11	3,185.53	11	2,822.63	11	2,459.66	11	2,096.63
1/4	1/4	1/4	1/4	1/4	4,607.03	1/4	4,261.93	1/4	3,903.77	1/4	3,540.87	1/4	3,177.97	1/4	2,815.07	1/4	2,452.10	1/4	2,089.07
1/2	1/2	1/2	1/2	1/2	4,600.00	1/2	4,254.61	1/2	3,896.21	1/2	3,533.31	1/2	3,170.41	1/2	2,807.51	1/2	2,444.54	1/2	2,081.51
3/4	3/4	3/4	3/4	3/4	4,592.92	3/4	4,247.27	3/4	3,888.65	3/4	3,525.75	3/4	3,162.85	3/4	2,799.95	3/4	2,436.97	3/4	2,073.94

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 LIP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-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 "HMS 3148"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,066.38	0	1,703.35	0	1,340.32	0	979.24	0	616.66	0	253.65	0		0		0		0	
1/4	2,058.82	1/4	1,695.79	1/4	1,332.76	1/4	971.73	1/4	609.10	1/4	246.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,051.26	1/2	1,688.23	1/2	1,325.20	1/2	964.22	1/2	601.53	1/2	238.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,043.69	3/4	1,680.66	3/4	1,317.63	3/4	956.70	3/4	593.97	3/4	230.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,036.13	1	1,673.10	1	1,310.07	1	949.19	1	586.41	1	223.39	1	1	1	1	1	1	1	1
1/4	2,028.57	1/4	1,665.54	1/4	1,302.51	1/4	941.68	1/4	578.85	1/4	215.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,021.00	1/2	1,657.97	1/2	1,294.95	1/2	934.16	1/2	571.28	1/2	208.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,013.44	3/4	1,650.41	3/4	1,287.39	3/4	926.64	3/4	563.72	3/4	200.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,005.88	2	1,642.85	2	1,279.83	2	919.11	2	556.16	2	193.14	2	2	2	2	2	2	2	2
1/4	1,998.31	1/4	1,635.28	1/4	1,272.27	1/4	911.58	1/4	548.59	1/4	185.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,990.75	1/2	1,627.72	1/2	1,264.71	1/2	904.05	1/2	541.03	1/2	178.02	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,983.19	3/4	1,620.16	3/4	1,257.19	3/4	896.48	3/4	533.47	3/4	170.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,975.62	3	1,612.60	3	1,249.67	3	888.92	3	525.91	3	162.89	3	3	3	3	3	3	3	3
1/4	1,968.06	1/4	1,605.03	1/4	1,242.15	1/4	881.36	1/4	518.34	1/4	155.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,960.50	1/2	1,597.47	1/2	1,234.63	1/2	873.80	1/2	510.78	1/2	147.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,952.94	3/4	1,589.91	3/4	1,227.11	3/4	866.23	3/4	503.22	3/4	140.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,945.37	4	1,582.34	4	1,219.60	4	858.67	4	495.66	4	132.64	4	4	4	4	4	4	4	4
1/4	1,937.81	1/4	1,574.78	1/4	1,212.09	1/4	851.11	1/4	488.09	1/4	125.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,930.25	1/2	1,567.22	1/2	1,204.58	1/2	843.54	1/2	480.53	1/2	117.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,922.68	3/4	1,559.65	3/4	1,197.07	3/4	835.98	3/4	472.97	3/4	110.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,915.12	5	1,552.09	5	1,189.56	5	828.42	5	465.40	5	102.55	5	5	5	5	5	5	5	5
1/4	1,907.56	1/4	1,544.53	1/4	1,182.05	1/4	820.86	1/4	457.84	1/4	95.06	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,899.99	1/2	1,536.96	1/2	1,174.53	1/2	813.29	1/2	450.28	1/2	87.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,892.43	3/4	1,529.40	3/4	1,167.02	3/4	805.73	3/4	442.72	3/4	80.80	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,884.87	6	1,521.84	6	1,159.51	6	798.17	6	435.15	6	74.03	6	6	6	6	6	6	6	6
1/4	1,877.30	1/4	1,514.28	1/4	1,152.00	1/4	790.60	1/4	427.59	1/4	67.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,869.74	1/2	1,506.71	1/2	1,144.49	1/2	783.04	1/2	420.03	1/2	60.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,862.18	3/4	1,499.15	3/4	1,136.98	3/4	775.48	3/4	412.46	3/4	54.97	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,854.61	7	1,491.59	7	1,129.47	7	767.92	7	404.90	7	49.45	7	7	7	7	7	7	7	7
1/4	1,847.05	1/4	1,484.02	1/4	1,121.95	1/4	760.35	1/4	397.34	1/4	43.94	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,839.49	1/2	1,476.46	1/2	1,114.44	1/2	752.79	1/2	389.78	1/2	38.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,831.93	3/4	1,468.90	3/4	1,106.93	3/4	745.23	3/4	382.21	3/4	34.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,824.36	8	1,461.33	8	1,099.42	8	737.66	8	374.65	8	29.92	8	8	8	8	8	8	8	8
1/4	1,816.80	1/4	1,453.77	1/4	1,091.91	1/4	730.10	1/4	367.09	1/4	25.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,809.24	1/2	1,446.21	1/2	1,084.40	1/2	722.54	1/2	359.52	1/2	21.41	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,801.67	3/4	1,438.64	3/4	1,076.89	3/4	714.98	3/4	351.96	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,794.11	9	1,431.08	9	1,069.38	9	707.41	9	344.40	9		9	9	9	9	9	9	9	9
1/4	1,786.55	1/4	1,423.52	1/4	1,061.86	1/4	699.85	1/4	336.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,778.98	1/2	1,415.96	1/2	1,054.35	1/2	692.29	1/2	329.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,771.42	3/4	1,408.39	3/4	1,046.84	3/4	684.73	3/4	321.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,763.86	10	1,400.83	10	1,039.33	10	677.16	10	314.15	10		10	10	10	10	10	10	10	10
1/4	1,756.29	1/4	1,393.27	1/4	1,031.82	1/4	669.60	1/4	306.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,748.73	1/2	1,385.70	1/2	1,024.31	1/2	662.04	1/2	299.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,741.17	3/4	1,378.14	3/4	1,016.80	3/4	654.47	3/4	291.46	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,733.61	11	1,370.58	11	1,009.28	11	646.91	11	283.90	11		11	11	11	11	11	11	11	11
1/4	1,726.04	1/4	1,363.01	1/4	1,001.77	1/4	639.35	1/4	276.33	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,718.48	1/2	1,355.45	1/2	994.26	1/2	631.79	1/2	268.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,710.92	3/4	1,347.89	3/4	986.75	3/4	624.22	3/4	261.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/23/2023 JS
CALCULATED: 01/23/2023 CL
PRINTED: 01/23/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2023

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



BARGE "HMS 3148"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0	4,902.72	0	4,572.11	0	4,227.41	0	3,869.80	0	3,508.13	0	3,146.46	0	2,784.80	0	2,423.06		
1/4	1/4	1/4	4,895.98	1/4	4,565.07	1/4	4,220.09	1/4	3,862.26	1/4	3,500.60	1/4	3,138.93	1/4	2,777.26	1/4	2,415.53				
1/2	1/2	1/2	5,201.32	1/2	4,889.24	1/2	4,558.02	1/2	4,212.77	1/2	3,854.73	1/2	3,493.06	1/2	3,131.40	1/2	2,769.73	1/2	2,407.99		
3/4	3/4	3/4	5,196.22	3/4	4,882.48	3/4	4,550.96	3/4	4,205.42	3/4	3,847.19	3/4	3,485.53	3/4	3,123.86	3/4	2,762.20	3/4	2,400.45		
1	1	1	5,191.11	1	4,875.72	1	4,543.89	1	4,198.08	1	3,839.66	1	3,477.99	1	3,116.33	1	2,754.66	1	2,392.91		
1/4	1/4	1/4	5,186.01	1/4	4,868.96	1/4	4,536.82	1/4	4,190.74	1/4	3,832.12	1/4	3,470.46	1/4	3,108.79	1/4	2,747.13	1/4	2,385.38		
1/2	1/2	1/2	5,180.90	1/2	4,862.20	1/2	4,529.76	1/2	4,183.40	1/2	3,824.59	1/2	3,462.92	1/2	3,101.26	1/2	2,739.59	1/2	2,377.84		
3/4	3/4	3/4	5,174.58	3/4	4,855.41	3/4	4,522.67	3/4	4,176.03	3/4	3,817.05	3/4	3,455.39	3/4	3,093.72	3/4	2,732.06	3/4	2,370.30		
2	2	2	5,168.27	2	4,848.63	2	4,515.58	2	4,168.67	2	3,809.52	2	3,447.85	2	3,086.19	2	2,724.52	2	2,362.76		
1/4	1/4	1/4	5,161.95	1/4	4,841.84	1/4	4,508.49	1/4	4,161.30	1/4	3,801.98	1/4	3,440.32	1/4	3,078.65	1/4	2,716.99	1/4	2,355.23		
1/2	1/2	1/2	5,155.63	1/2	4,835.06	1/2	4,501.40	1/2	4,153.94	1/2	3,794.45	1/2	3,432.78	1/2	3,071.12	1/2	2,709.45	1/2	2,347.69		
3/4	3/4	3/4	5,148.45	3/4	4,828.25	3/4	4,494.29	3/4	4,146.55	3/4	3,786.91	3/4	3,425.25	3/4	3,063.58	3/4	2,701.92	3/4	2,340.15		
3	3	3	5,141.27	3	4,821.44	3	4,487.17	3	4,139.16	3	3,779.38	3	3,417.71	3	3,056.05	3	2,694.38	3	2,332.61		
1/4	1/4	1/4	5,134.09	1/4	4,814.64	1/4	4,480.06	1/4	4,131.77	1/4	3,771.85	1/4	3,410.18	1/4	3,048.51	1/4	2,686.85	1/4	2,325.08		
1/2	1/2	1/2	5,126.91	1/2	4,807.83	1/2	4,472.95	1/2	4,124.38	1/2	3,764.31	1/2	3,402.64	1/2	3,040.98	1/2	2,679.31	1/2	2,317.54		
3/4	3/4	3/4	5,120.43	3/4	4,801.00	3/4	4,465.81	3/4	4,116.97	3/4	3,756.78	3/4	3,395.11	3/4	3,033.44	3/4	2,671.78	3/4	2,310.00		
4	4	4	5,113.94	4	4,794.17	4	4,458.68	4	4,109.56	4	3,749.24	4	3,387.58	4	3,025.91	4	2,664.24	4	2,302.46		
1/4	1/4	1/4	5,107.46	1/4	4,787.34	1/4	4,451.54	1/4	4,102.15	1/4	3,741.71	1/4	3,380.04	1/4	3,018.38	1/4	2,656.71	1/4	2,294.93		
1/2	1/2	1/2	5,100.97	1/2	4,780.51	1/2	4,444.41	1/2	4,094.74	1/2	3,734.17	1/2	3,372.51	1/2	3,010.84	1/2	2,649.17	1/2	2,287.39		
3/4	3/4	3/4	5,094.46	3/4	4,773.65	3/4	4,437.25	3/4	4,087.31	3/4	3,726.64	3/4	3,364.97	3/4	3,003.31	3/4	2,641.64	3/4	2,279.85		
5	5	5	5,087.95	5	4,766.80	5	4,430.09	5	4,079.87	5	3,719.10	5	3,357.44	5	2,995.77	5	2,634.11	5	2,272.31		
1/4	1/4	1/4	5,081.45	1/4	4,759.95	1/4	4,422.93	1/4	4,072.44	1/4	3,711.57	1/4	3,349.90	1/4	2,988.24	1/4	2,626.57	1/4	2,264.78		
1/2	1/2	1/2	5,074.94	1/2	4,753.09	1/2	4,415.77	1/2	4,065.00	1/2	3,704.03	1/2	3,342.37	1/2	2,980.70	1/2	2,619.04	1/2	2,257.24		
3/4	3/4	3/4	5,068.41	3/4	4,746.22	3/4	4,408.59	3/4	4,057.55	3/4	3,696.50	3/4	3,334.83	3/4	2,973.17	3/4	2,611.50	3/4	2,249.70		
6	6	6	5,061.88	6	4,739.34	6	4,401.41	6	4,050.09	6	3,688.96	6	3,327.30	6	2,965.63	6	2,603.96	6	2,242.16		
1/4	1/4	1/4	5,055.34	1/4	4,732.46	1/4	4,394.23	1/4	4,042.63	1/4	3,681.43	1/4	3,319.76	1/4	2,958.10	1/4	2,596.43	1/4	2,234.63		
1/2	1/2	1/2	5,048.81	1/2	4,725.59	1/2	4,387.05	1/2	4,035.17	1/2	3,673.89	1/2	3,312.23	1/2	2,950.56	1/2	2,588.89	1/2	2,227.09		
3/4	3/4	3/4	5,042.26	3/4	4,718.68	3/4	4,379.85	3/4	4,027.69	3/4	3,666.36	3/4	3,304.69	3/4	2,943.03	3/4	2,581.35	3/4	2,219.55		
7	7	7	5,035.70	7	4,711.78	7	4,372.64	7	4,020.21	7	3,658.82	7	3,297.16	7	2,935.49	7	2,573.81	7	2,212.01		
1/4	1/4	1/4	5,029.15	1/4	4,704.88	1/4	4,365.44	1/4	4,012.73	1/4	3,651.29	1/4	3,289.62	1/4	2,927.96	1/4	2,566.28	1/4	2,204.48		
1/2	1/2	1/2	5,022.59	1/2	4,697.97	1/2	4,358.23	1/2	4,005.25	1/2	3,643.76	1/2	3,282.09	1/2	2,920.42	1/2	2,558.74	1/2	2,196.94		
3/4	3/4	3/4	5,016.02	3/4	4,691.02	3/4	4,351.00	3/4	3,997.75	3/4	3,636.22	3/4	3,274.55	3/4	2,912.89	3/4	2,551.20	3/4	2,189.40		
8	8	8	5,009.44	8	4,684.07	8	4,343.78	8	3,990.25	8	3,628.69	8	3,267.02	8	2,905.35	8	2,543.66	8	2,181.86		
1/4	1/4	1/4	5,002.86	1/4	4,677.12	1/4	4,336.55	1/4	3,982.74	1/4	3,621.15	1/4	3,259.49	1/4	2,897.82	1/4	2,536.13	1/4	2,174.33		
1/2	1/2	1/2	4,996.28	1/2	4,670.17	1/2	4,329.32	1/2	3,975.24	1/2	3,613.62	1/2	3,251.95	1/2	2,890.29	1/2	2,528.59	1/2	2,166.79		
3/4	3/4	3/4	4,989.68	3/4	4,663.19	3/4	4,322.07	3/4	3,967.72	3/4	3,606.08	3/4	3,244.42	3/4	2,882.75	3/4	2,521.05	3/4	2,159.25		
9	9	9	4,983.07	9	4,656.22	9	4,314.82	9	3,960.19	9	3,598.55	9	3,236.88	9	2,875.22	9	2,513.51	9	2,151.71		
1/4	1/4	1/4	4,976.46	1/4	4,649.24	1/4	4,307.57	1/4	3,952.67	1/4	3,591.01	1/4	3,229.35	1/4	2,867.68	1/4	2,505.98	1/4	2,144.18		
1/2	1/2	1/2	4,969.85	1/2	4,642.27	1/2	4,300.32	1/2	3,945.14	1/2	3,583.48	1/2	3,221.81	1/2	2,860.15	1/2	2,498.44	1/2	2,136.64		
3/4	3/4	3/4	4,963.15	3/4	4,635.27	3/4	4,293.05	3/4	3,937.61	3/4	3,575.94	3/4	3,214.28	3/4	2,852.61	3/4	2,490.90	3/4	2,129.10		
10	10	10	4,956.46	10	4,628.27	10	4,285.78	10	3,930.07	10	3,568.41	10	3,206.74	10	2,845.08	10	2,483.36	10	2,121.56		
1/4	1/4	1/4	4,949.76	1/4	4,621.28	1/4	4,278.50	1/4	3,922.54	1/4	3,560.87	1/4	3,199.21	1/4	2,837.54	1/4	2,475.83	1/4	2,114.03		
1/2	1/2	1/2	4,943.07	1/2	4,614.28	1/2	4,271.23	1/2	3,915.00	1/2	3,553.34	1/2	3,191.67	1/2	2,830.01	1/2	2,468.29	1/2	2,106.49		
3/4	3/4	3/4	4,936.35	3/4	4,607.26	3/4	4,263.93	3/4	3,907.47	3/4	3,545.80	3/4	3,184.14	3/4	2,822.47	3/4	2,460.75	3/4	2,098.95		
11	11	11	4,929.63	11	4,600.24	11	4,256.64	11	3,899.94	11	3,538.27	11	3,176.60	11	2,814.94	11	2,453.21	11	2,091.41		
1/4	1/4	1/4	4,922.91	1/4	4,593.22	1/4	4,249.34	1/4	3,892.40	1/4	3,530.73	1/4	3,169.07	1/4	2,807.40	1/4	2,445.68	1/4	2,083.88		
1/2	1/2	1/2	4,916.20	1/2	4,586.20	1/2	4,242.04	1/2	3,884.87	1/2	3,523.20	1/2	3,161.53	1/2	2,799.87	1/2	2,438.14	1/2	2,076.34		
3/4	3/4	3/4	4,909.46	3/4	4,579.15	3/4	4,234.72	3/4	3,877.33	3/4	3,515.67	3/4	3,154.00	3/4	2,792.33	3/4	2,430.60	3/4	2,068.80		

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 LIP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HMS 3148"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,061.26	0	1,699.46	0	1,337.66	0	976.29	0	614.57	0	252.79	0		0		0		0	
1/4	2,053.73	1/4	1,691.93	1/4	1,330.13	1/4	968.76	1/4	607.03	1/4	245.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,046.19	1/2	1,684.39	1/2	1,322.59	1/2	961.24	1/2	599.50	1/2	237.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,038.65	3/4	1,676.85	3/4	1,315.05	3/4	953.71	3/4	591.96	3/4	230.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,031.11	1	1,669.31	1	1,307.51	1	946.19	1	584.42	1	222.64	1	1	1	1	1	1	1	1
1/4	2,023.58	1/4	1,661.78	1/4	1,299.98	1/4	938.66	1/4	576.89	1/4	215.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,016.04	1/2	1,654.24	1/2	1,292.44	1/2	931.13	1/2	569.35	1/2	207.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,008.50	3/4	1,646.70	3/4	1,284.90	3/4	923.60	3/4	561.81	3/4	200.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,000.96	2	1,639.16	2	1,277.36	2	916.06	2	554.27	2	192.49	2	2	2	2	2	2	2	2
1/4	1,993.43	1/4	1,631.63	1/4	1,269.83	1/4	908.52	1/4	546.74	1/4	184.95	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,985.89	1/2	1,624.09	1/2	1,262.29	1/2	900.99	1/2	539.20	1/2	177.41	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,978.35	3/4	1,616.55	3/4	1,254.75	3/4	893.45	3/4	531.66	3/4	169.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,970.81	3	1,609.01	3	1,247.22	3	885.91	3	524.13	3	162.34	3	3	3	3	3	3	3	3
1/4	1,963.28	1/4	1,601.48	1/4	1,239.68	1/4	878.37	1/4	516.59	1/4	154.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,955.74	1/2	1,593.94	1/2	1,232.15	1/2	870.84	1/2	509.05	1/2	147.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,948.20	3/4	1,586.40	3/4	1,224.62	3/4	863.30	3/4	501.51	3/4	139.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,940.66	4	1,578.86	4	1,217.10	4	855.76	4	493.98	4	132.19	4	4	4	4	4	4	4	4
1/4	1,933.13	1/4	1,571.33	1/4	1,209.57	1/4	848.23	1/4	486.44	1/4	124.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,925.59	1/2	1,563.79	1/2	1,202.05	1/2	840.69	1/2	478.90	1/2	117.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,918.05	3/4	1,556.25	3/4	1,194.52	3/4	833.15	3/4	471.37	3/4	109.66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,910.51	5	1,548.71	5	1,186.99	5	825.61	5	463.83	5	102.20	5	5	5	5	5	5	5	5
1/4	1,902.98	1/4	1,541.18	1/4	1,179.47	1/4	818.08	1/4	456.29	1/4	94.74	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,895.44	1/2	1,533.64	1/2	1,171.94	1/2	810.54	1/2	448.75	1/2	87.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,887.90	3/4	1,526.10	3/4	1,164.42	3/4	803.00	3/4	441.22	3/4	80.53	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,880.36	6	1,518.56	6	1,156.89	6	795.46	6	433.68	6	73.78	6	6	6	6	6	6	6	6
1/4	1,872.83	1/4	1,511.03	1/4	1,149.37	1/4	787.93	1/4	426.14	1/4	67.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,865.29	1/2	1,503.49	1/2	1,141.84	1/2	780.39	1/2	418.60	1/2	60.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,857.75	3/4	1,495.95	3/4	1,134.32	3/4	772.85	3/4	411.07	3/4	54.78	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,850.21	7	1,488.41	7	1,126.79	7	765.32	7	403.53	7	49.29	7	7	7	7	7	7	7	7
1/4	1,842.68	1/4	1,480.88	1/4	1,119.27	1/4	757.78	1/4	395.99	1/4	43.79	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,835.14	1/2	1,473.34	1/2	1,111.74	1/2	750.24	1/2	388.46	1/2	38.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,827.60	3/4	1,465.80	3/4	1,104.22	3/4	742.70	3/4	380.92	3/4	34.06	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,820.06	8	1,458.26	8	1,096.69	8	735.17	8	373.38	8	29.82	8	8	8	8	8	8	8	8
1/4	1,812.53	1/4	1,450.73	1/4	1,089.17	1/4	727.63	1/4	365.84	1/4	25.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,804.99	1/2	1,443.19	1/2	1,081.64	1/2	720.09	1/2	358.31	1/2	21.34	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,797.45	3/4	1,435.65	3/4	1,074.12	3/4	712.56	3/4	350.77	3/4	17.10	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,789.91	9	1,428.11	9	1,066.59	9	705.02	9	343.23	9	12.86	9	9	9	9	9	9	9	9
1/4	1,782.38	1/4	1,420.58	1/4	1,059.07	1/4	697.48	1/4	335.70	1/4	8.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,774.84	1/2	1,413.04	1/2	1,051.54	1/2	689.94	1/2	328.16	1/2	4.37	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,767.30	3/4	1,405.50	3/4	1,044.02	3/4	682.41	3/4	320.62	3/4	0.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,759.76	10	1,397.96	10	1,036.49	10	674.87	10	313.08	10		10	10	10	10	10	10	10	10
1/4	1,752.23	1/4	1,390.43	1/4	1,028.97	1/4	667.33	1/4	305.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,744.69	1/2	1,382.89	1/2	1,021.44	1/2	659.80	1/2	298.01	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,737.15	3/4	1,375.35	3/4	1,013.92	3/4	652.26	3/4	290.47	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,729.61	11	1,367.81	11	1,006.39	11	644.72	11	282.94	11		11	11	11	11	11	11	11	11
1/4	1,722.08	1/4	1,360.28	1/4	998.86	1/4	637.18	1/4	275.40	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,714.54	1/2	1,352.74	1/2	991.34	1/2	629.65	1/2	267.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,707.00	3/4	1,345.20	3/4	983.81	3/4	622.11	3/4	260.32	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/23/2023 JS
CALCULATED: 01/23/2023 CL
PRINTED: 01/23/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2023

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



BARGE "HMS 3148"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
					4,878.87		4,548.05		4,203.16		3,845.42		3,483.84		3,122.26		2,760.69		2,399.02		
1/4	1/4	5,184.13	1/4	4,872.13	1/4	4,541.00	1/4	4,195.84	1/4	3,837.89	1/4	3,476.31	1/4	3,114.73	1/4	2,753.15	1/4	2,391.49			
1/2	1/2	5,179.03	1/2	4,865.37	1/2	4,533.94	1/2	4,188.50	1/2	3,830.36	1/2	3,468.78	1/2	3,107.20	1/2	2,745.62	1/2	2,383.95			
3/4	3/4	5,173.92	3/4	4,858.61	3/4	4,526.88	3/4	4,181.16	3/4	3,822.82	3/4	3,461.25	3/4	3,099.67	3/4	2,738.09	3/4	2,376.42			
1	1	5,168.82	1	4,851.85	1	4,519.81	1	4,173.82	1	3,815.29	1	3,453.71	1	3,092.13	1	2,730.55	1	2,368.88			
1/4	1/4	5,163.71	1/4	4,845.09	1/4	4,512.75	1/4	4,166.48	1/4	3,807.76	1/4	3,446.18	1/4	3,084.60	1/4	2,723.02	1/4	2,361.35			
1/2	1/2	5,157.40	1/2	4,838.31	1/2	4,505.66	1/2	4,159.11	1/2	3,800.23	1/2	3,438.65	1/2	3,077.07	1/2	2,715.49	1/2	2,353.81			
3/4	3/4	5,151.08	3/4	4,831.53	3/4	4,498.57	3/4	4,151.75	3/4	3,792.69	3/4	3,431.11	3/4	3,069.53	3/4	2,707.96	3/4	2,346.27			
2	2	5,144.77	2	4,824.75	2	4,491.48	2	4,144.39	2	3,785.16	2	3,423.58	2	3,062.00	2	2,700.42	2	2,338.74			
1/4	1/4	5,138.45	1/4	4,817.96	1/4	4,484.40	1/4	4,137.02	1/4	3,777.63	1/4	3,416.05	1/4	3,054.47	1/4	2,692.89	1/4	2,331.20			
1/2	1/2	5,131.27	1/2	4,811.16	1/2	4,477.29	1/2	4,129.64	1/2	3,770.09	1/2	3,408.51	1/2	3,046.94	1/2	2,685.36	1/2	2,323.67			
3/4	3/4	5,124.09	3/4	4,804.35	3/4	4,470.17	3/4	4,122.25	3/4	3,762.56	3/4	3,400.98	3/4	3,039.40	3/4	2,677.82	3/4	2,316.13			
3	3	5,116.91	3	4,797.55	3	4,463.06	3	4,114.86	3	3,755.03	3	3,393.45	3	3,031.87	3	2,670.29	3	2,308.60			
1/4	1/4	5,109.73	1/4	4,790.74	1/4	4,455.95	1/4	4,107.48	1/4	3,747.50	1/4	3,385.92	1/4	3,024.34	1/4	2,662.76	1/4	2,301.06			
1/2	1/2	5,103.25	1/2	4,783.91	1/2	4,448.82	1/2	4,100.07	1/2	3,739.96	1/2	3,378.38	1/2	3,016.80	1/2	2,655.22	1/2	2,293.52			
3/4	3/4	5,096.77	3/4	4,777.08	3/4	4,441.69	3/4	4,092.66	3/4	3,732.43	3/4	3,370.85	3/4	3,009.27	3/4	2,647.69	3/4	2,285.99			
4	4	5,090.28	4	4,770.25	4	4,434.55	4	4,085.25	4	3,724.90	4	3,363.32	4	3,001.74	4	2,640.16	4	2,278.45			
1/4	1/4	5,083.80	1/4	4,763.43	1/4	4,427.42	1/4	4,077.84	1/4	3,717.36	1/4	3,355.78	1/4	2,994.21	1/4	2,632.63	1/4	2,270.92			
1/2	1/2	5,077.29	1/2	4,756.57	1/2	4,420.26	1/2	4,070.41	1/2	3,709.83	1/2	3,348.25	1/2	2,986.67	1/2	2,625.09	1/2	2,263.38			
3/4	3/4	5,070.79	3/4	4,749.72	3/4	4,413.11	3/4	4,062.98	3/4	3,702.30	3/4	3,340.72	3/4	2,979.14	3/4	2,617.56	3/4	2,255.85			
5	5	5,064.28	5	4,742.87	5	4,405.95	5	4,055.54	5	3,694.76	5	3,333.19	5	2,971.61	5	2,610.02	5	2,248.31			
1/4	1/4	5,057.77	1/4	4,736.02	1/4	4,398.79	1/4	4,048.11	1/4	3,687.23	1/4	3,325.65	1/4	2,964.07	1/4	2,602.48	1/4	2,240.78			
1/2	1/2	5,051.24	1/2	4,729.15	1/2	4,391.61	1/2	4,040.66	1/2	3,679.70	1/2	3,318.12	1/2	2,956.54	1/2	2,594.95	1/2	2,233.24			
3/4	3/4	5,044.71	3/4	4,722.27	3/4	4,384.43	3/4	4,033.20	3/4	3,672.17	3/4	3,310.59	3/4	2,949.01	3/4	2,587.41	3/4	2,225.70			
6	6	5,038.19	6	4,715.40	6	4,377.26	6	4,025.74	6	3,664.63	6	3,303.05	6	2,941.47	6	2,579.88	6	2,218.17			
1/4	1/4	5,031.66	1/4	4,708.52	1/4	4,370.08	1/4	4,018.29	1/4	3,657.10	1/4	3,295.52	1/4	2,933.94	1/4	2,572.34	1/4	2,210.63			
1/2	1/2	5,025.10	1/2	4,701.62	1/2	4,362.87	1/2	4,010.81	1/2	3,649.57	1/2	3,287.99	1/2	2,926.41	1/2	2,564.81	1/2	2,203.10			
3/4	3/4	5,018.55	3/4	4,694.72	3/4	4,355.67	3/4	4,003.33	3/4	3,642.03	3/4	3,280.46	3/4	2,918.88	3/4	2,557.27	3/4	2,195.56			
7	7	5,012.00	7	4,687.82	7	4,348.47	7	3,995.85	7	3,634.50	7	3,272.92	7	2,911.34	7	2,549.74	7	2,188.03			
1/4	1/4	5,005.45	1/4	4,680.92	1/4	4,341.27	1/4	3,988.38	1/4	3,626.97	1/4	3,265.39	1/4	2,903.81	1/4	2,542.20	1/4	2,180.49			
1/2	1/2	4,998.87	1/2	4,673.97	1/2	4,334.04	1/2	3,980.87	1/2	3,619.44	1/2	3,257.86	1/2	2,896.28	1/2	2,534.66	1/2	2,172.96			
3/4	3/4	4,992.29	3/4	4,667.02	3/4	4,326.82	3/4	3,973.37	3/4	3,611.90	3/4	3,250.32	3/4	2,888.74	3/4	2,527.13	3/4	2,165.42			
8	8	4,985.72	8	4,660.07	8	4,319.59	8	3,965.87	8	3,604.37	8	3,242.79	8	2,881.21	8	2,519.59	8	2,157.88			
1/4	1/4	4,979.14	1/4	4,653.12	1/4	4,312.36	1/4	3,958.37	1/4	3,596.84	1/4	3,235.26	1/4	2,873.68	1/4	2,512.06	1/4	2,150.35			
1/2	1/2	4,972.54	1/2	4,646.15	1/2	4,305.12	1/2	3,950.85	1/2	3,589.30	1/2	3,227.73	1/2	2,866.15	1/2	2,504.52	1/2	2,142.81			
3/4	3/4	4,965.93	3/4	4,639.17	3/4	4,297.87	3/4	3,943.33	3/4	3,581.77	3/4	3,220.19	3/4	2,858.61	3/4	2,496.99	3/4	2,135.28			
9	9	4,959.32	9	4,632.20	9	4,290.62	9	3,935.81	9	3,574.24	9	3,212.66	9	2,851.08	9	2,489.45	9	2,127.74			
1/4	1/4	4,952.71	1/4	4,625.23	1/4	4,283.37	1/4	3,928.28	1/4	3,566.71	1/4	3,205.13	1/4	2,843.55	1/4	2,481.91	1/4	2,120.21			
1/2	1/2	4,946.02	1/2	4,618.23	1/2	4,276.10	1/2	3,920.75	1/2	3,559.17	1/2	3,197.59	1/2	2,836.01	1/2	2,474.38	1/2	2,112.67			
3/4	3/4	4,939.33	3/4	4,611.24	3/4	4,268.83	3/4	3,913.22	3/4	3,551.64	3/4	3,190.06	3/4	2,828.48	3/4	2,466.84	3/4	2,105.13			
10	10	4,932.63	10	4,604.24	10	4,261.56	10	3,905.69	10	3,544.11	10	3,182.53	10	2,820.95	10	2,459.31	10	2,097.60			
1/4	1/4	4,925.94	1/4	4,597.25	1/4	4,254.28	1/4	3,898.15	1/4	3,536.57	1/4	3,174.99	1/4	2,813.42	1/4	2,451.77	1/4	2,090.06			
1/2	1/2	4,919.23	1/2	4,590.23	1/2	4,246.99	1/2	3,890.62	1/2	3,529.04	1/2	3,167.46	1/2	2,805.88	1/2	2,444.24	1/2	2,082.53			
3/4	3/4	4,912.51	3/4	4,583.21	3/4	4,239.70	3/4	3,883.09	3/4	3,521.51	3/4	3,159.93	3/4	2,798.35	3/4	2,436.70	3/4	2,074.99			
11	11	4,905.79	11	4,576.19	11	4,232.40	11	3,875.55	11	3,513.98	11	3,152.40	11	2,790.82	11	2,429.17	11	2,067.46			
1/4	1/4	4,899.08	1/4	4,569.17	1/4	4,225.11	1/4	3,868.02	1/4	3,506.44	1/4	3,144.86	1/4	2,783.28	1/4	2,421.63	1/4	2,059.92			
1/2	1/2	4,892.34	1/2	4,562.13	1/2	4,217.79	1/2	3,860.49	1/2	3,498.91	1/2	3,137.33	1/2	2,775.75	1/2	2,414.09	1/2	2,052.39			
3/4	3/4	4,885.61	3/4	4,555.09	3/4	4,210.47	3/4	3,852.96	3/4	3,491.38	3/4	3,129.80	3/4	2,768.22	3/4	2,406.56	3/4	2,044.85			

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 LIP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-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 "HMS 3148"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,037.31	0	1,675.61	0	1,313.90	0	965.71	0	606.89	0	245.19	0		0		0		0	
1/4	2,029.78	1/4	1,668.07	1/4	1,306.36	1/4	958.52	1/4	599.35	1/4	237.66	1/4		1/4		1/4		1/4	
1/2	2,022.24	1/2	1,660.53	1/2	1,298.83	1/2	951.33	1/2	591.82	1/2	230.12	1/2		1/2		1/2		1/2	
3/4	2,014.71	3/4	1,653.00	3/4	1,291.29	3/4	944.13	3/4	584.28	3/4	222.58	3/4		3/4		3/4		3/4	
1	2,007.17	1	1,645.46	1	1,283.75	1	936.94	1	576.75	1	215.05	1		1		1		1	
1/4	1,999.64	1/4	1,637.93	1/4	1,276.22	1/4	929.75	1/4	569.21	1/4	207.51	1/4		1/4		1/4		1/4	
1/2	1,992.10	1/2	1,630.39	1/2	1,268.72	1/2	922.50	1/2	561.68	1/2	199.98	1/2		1/2		1/2		1/2	
3/4	1,984.57	3/4	1,622.86	3/4	1,261.23	3/4	915.26	3/4	554.14	3/4	192.44	3/4		3/4		3/4		3/4	
2	1,977.03	2	1,615.32	2	1,253.74	2	908.01	2	546.61	2	184.91	2		2		2		2	
1/4	1,969.49	1/4	1,607.79	1/4	1,246.24	1/4	900.77	1/4	539.07	1/4	177.37	1/4		1/4		1/4		1/4	
1/2	1,961.96	1/2	1,600.25	1/2	1,239.04	1/2	893.24	1/2	531.54	1/2	169.84	1/2		1/2		1/2		1/2	
3/4	1,954.42	3/4	1,592.71	3/4	1,231.84	3/4	885.70	3/4	524.00	3/4	162.30	3/4		3/4		3/4		3/4	
3	1,946.89	3	1,585.18	3	1,224.63	3	878.16	3	516.47	3	154.77	3		3		3		3	
1/4	1,939.35	1/4	1,577.64	1/4	1,217.43	1/4	870.63	1/4	508.93	1/4	147.23	1/4		1/4		1/4		1/4	
1/2	1,931.82	1/2	1,570.11	1/2	1,210.24	1/2	863.09	1/2	501.39	1/2	139.70	1/2		1/2		1/2		1/2	
3/4	1,924.28	3/4	1,562.57	3/4	1,203.05	3/4	855.56	3/4	493.86	3/4	132.16	3/4		3/4		3/4		3/4	
4	1,916.74	4	1,555.04	4	1,195.86	4	848.02	4	486.32	4	124.62	4		4		4		4	
1/4	1,909.21	1/4	1,547.50	1/4	1,188.66	1/4	840.49	1/4	478.79	1/4	117.09	1/4		1/4		1/4		1/4	
1/2	1,901.67	1/2	1,539.96	1/2	1,181.47	1/2	832.95	1/2	471.25	1/2	109.63	1/2		1/2		1/2		1/2	
3/4	1,894.14	3/4	1,532.43	3/4	1,174.28	3/4	825.42	3/4	463.72	3/4	102.18	3/4		3/4		3/4		3/4	
5	1,886.60	5	1,524.89	5	1,167.09	5	817.88	5	456.18	5	94.72	5		5		5		5	
1/4	1,879.07	1/4	1,517.36	1/4	1,159.90	1/4	810.35	1/4	448.65	1/4	87.26	1/4		1/4		1/4		1/4	
1/2	1,871.53	1/2	1,509.82	1/2	1,152.70	1/2	802.81	1/2	441.11	1/2	80.51	1/2		1/2		1/2		1/2	
3/4	1,864.00	3/4	1,502.29	3/4	1,145.51	3/4	795.27	3/4	433.58	3/4	73.76	3/4		3/4		3/4		3/4	
6	1,856.46	6	1,494.75	6	1,138.32	6	787.74	6	426.04	6	67.01	6		6		6		6	
1/4	1,848.92	1/4	1,487.22	1/4	1,131.13	1/4	780.20	1/4	418.50	1/4	60.26	1/4		1/4		1/4		1/4	
1/2	1,841.39	1/2	1,479.68	1/2	1,123.94	1/2	772.67	1/2	410.97	1/2	54.77	1/2		1/2		1/2		1/2	
3/4	1,833.85	3/4	1,472.14	3/4	1,116.74	3/4	765.13	3/4	403.43	3/4	49.27	3/4		3/4		3/4		3/4	
7	1,826.32	7	1,464.61	7	1,109.55	7	757.60	7	395.90	7	43.78	7		7		7		7	
1/4	1,818.78	1/4	1,457.07	1/4	1,102.36	1/4	750.06	1/4	388.36	1/4	38.29	1/4		1/4		1/4		1/4	
1/2	1,811.25	1/2	1,449.54	1/2	1,095.17	1/2	742.53	1/2	380.83	1/2	34.05	1/2		1/2		1/2		1/2	
3/4	1,803.71	3/4	1,442.00	3/4	1,087.98	3/4	734.99	3/4	373.29	3/4	29.81	3/4		3/4		3/4		3/4	
8	1,796.18	8	1,434.47	8	1,080.78	8	727.46	8	365.76	8	25.57	8		8		8		8	
1/4	1,788.64	1/4	1,426.93	1/4	1,073.59	1/4	719.92	1/4	358.22	1/4	21.34	1/4		1/4		1/4		1/4	
1/2	1,781.10	1/2	1,419.40	1/2	1,066.40	1/2	712.39	1/2	350.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,773.57	3/4	1,411.86	3/4	1,059.21	3/4	704.85	3/4	343.15	3/4		3/4		3/4		3/4		3/4	
9	1,766.03	9	1,404.32	9	1,052.02	9	697.31	9	335.62	9		9		9		9		9	
1/4	1,758.50	1/4	1,396.79	1/4	1,044.82	1/4	689.78	1/4	328.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,750.96	1/2	1,389.25	1/2	1,037.63	1/2	682.24	1/2	320.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,743.43	3/4	1,381.72	3/4	1,030.44	3/4	674.71	3/4	313.01	3/4		3/4		3/4		3/4		3/4	
10	1,735.89	10	1,374.18	10	1,023.25	10	667.17	10	305.47	10		10		10		10		10	
1/4	1,728.35	1/4	1,366.65	1/4	1,016.06	1/4	659.64	1/4	297.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,720.82	1/2	1,359.11	1/2	1,008.86	1/2	652.10	1/2	290.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,713.28	3/4	1,351.57	3/4	1,001.67	3/4	644.57	3/4	282.87	3/4		3/4		3/4		3/4		3/4	
11	1,705.75	11	1,344.04	11	994.48	11	637.03	11	275.33	11		11		11		11		11	
1/4	1,698.21	1/4	1,336.50	1/4	987.29	1/4	629.50	1/4	267.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,690.68	1/2	1,328.97	1/2	980.10	1/2	621.96	1/2	260.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,683.14	3/4	1,321.43	3/4	972.90	3/4	614.43	3/4	252.73	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/23/2023 JS
CALCULATED: 01/23/2023 CL
PRINTED: 01/23/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HMS 3148"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0	4,248.34	0	4,071.35	0	3,886.82	0	3,695.36	0	3,496.45	0	3,138.38	0	2,779.04	0	2,419.08		
1/4	1/4	1/4	1/4	1/4	4,244.73	1/4	4,067.57	1/4	3,882.90	1/4	3,691.32	1/4	3,488.99	1/4	3,130.89	1/4	2,771.54	1/4	2,411.58		
1/2	1/2	1/2	1/2	1/2	4,241.12	1/2	4,063.80	1/2	3,878.98	1/2	3,687.28	1/2	3,481.52	1/2	3,123.41	1/2	2,764.04	1/2	2,404.08		
3/4	3/4	3/4	3/4	3/4	4,398.07	3/4	4,237.51	3/4	4,060.03	3/4	3,875.06	3/4	3,683.25	3/4	3,474.05	3/4	3,115.92	3/4	2,756.54	3/4	2,396.58
1	1	1	1	1	4,396.42	1	4,233.88	1	4,056.24	1	3,871.12	1	3,679.21	1	3,466.59	1	3,108.44	1	2,749.04	1	2,389.08
1/4	1/4	1/4	1/4	1/4	4,394.77	1/4	4,230.26	1/4	4,052.45	1/4	3,867.19	1/4	3,675.17	1/4	3,459.12	1/4	3,100.95	1/4	2,741.55	1/4	2,381.58
1/2	1/2	1/2	1/2	1/2	4,393.11	1/2	4,226.64	1/2	4,048.67	1/2	3,863.26	1/2	3,671.14	1/2	3,451.65	1/2	3,093.47	1/2	2,734.05	1/2	2,374.08
3/4	3/4	3/4	3/4	3/4	4,391.46	3/4	4,223.01	3/4	4,044.88	3/4	3,859.32	3/4	3,667.10	3/4	3,444.18	3/4	3,085.98	3/4	2,726.55	3/4	2,366.58
2	2	2	2	2	4,388.59	2	4,219.38	2	4,041.08	2	3,855.38	2	3,663.06	2	3,436.72	2	3,078.49	2	2,719.05	2	2,359.08
1/4	1/4	1/4	1/4	1/4	4,385.72	1/4	4,215.74	1/4	4,037.29	1/4	3,851.43	1/4	3,659.03	1/4	3,429.25	1/4	3,071.01	1/4	2,711.55	1/4	2,351.58
1/2	1/2	1/2	1/2	1/2	4,382.85	1/2	4,212.10	1/2	4,033.49	1/2	3,847.49	1/2	3,654.99	1/2	3,421.78	1/2	3,063.52	1/2	2,704.05	1/2	2,344.08
3/4	3/4	3/4	3/4	3/4	4,379.98	3/4	4,208.47	3/4	4,029.69	3/4	3,843.54	3/4	3,650.95	3/4	3,414.32	3/4	3,056.04	3/4	2,696.56	3/4	2,336.58
3	3	3	3	3	4,376.19	3	4,204.82	3	4,025.88	3	3,839.58	3	3,646.92	3	3,406.85	3	3,048.55	3	2,689.06	3	2,329.08
1/4	1/4	1/4	1/4	1/4	4,372.41	1/4	4,201.17	1/4	4,022.07	1/4	3,835.62	1/4	3,642.88	1/4	3,399.38	1/4	3,041.07	1/4	2,681.56	1/4	2,321.58
1/2	1/2	1/2	1/2	1/2	4,368.62	1/2	4,197.52	1/2	4,018.26	1/2	3,831.67	1/2	3,638.85	1/2	3,391.92	1/2	3,033.58	1/2	2,674.06	1/2	2,314.08
3/4	3/4	3/4	3/4	3/4	4,364.84	3/4	4,193.88	3/4	4,014.45	3/4	3,827.71	3/4	3,634.81	3/4	3,384.45	3/4	3,026.09	3/4	2,666.56	3/4	2,306.58
4	4	4	4	4	4,361.36	4	4,190.21	4	4,010.63	4	3,823.74	4	3,630.77	4	3,376.98	4	3,018.61	4	2,659.06	4	2,299.08
1/4	1/4	1/4	1/4	1/4	4,357.89	1/4	4,186.55	1/4	4,006.80	1/4	3,819.77	1/4	3,626.74	1/4	3,369.51	1/4	3,011.12	1/4	2,651.57	1/4	2,291.58
1/2	1/2	1/2	1/2	1/2	4,354.41	1/2	4,182.89	1/2	4,002.98	1/2	3,815.80	1/2	3,622.70	1/2	3,362.05	1/2	3,003.64	1/2	2,644.07	1/2	2,284.08
3/4	3/4	3/4	3/4	3/4	4,350.94	3/4	4,179.23	3/4	3,999.16	3/4	3,811.83	3/4	3,618.66	3/4	3,354.58	3/4	2,996.15	3/4	2,636.57	3/4	2,276.58
5	5	5	5	5	4,347.45	5	4,175.56	5	3,995.32	5	3,807.84	5	3,614.63	5	3,347.12	5	2,988.67	5	2,629.07	5	2,269.08
1/4	1/4	1/4	1/4	1/4	4,343.97	1/4	4,171.89	1/4	3,991.49	1/4	3,803.86	1/4	3,610.59	1/4	3,339.65	1/4	2,981.18	1/4	2,621.57	1/4	2,261.58
1/2	1/2	1/2	1/2	1/2	4,340.48	1/2	4,168.21	1/2	3,987.65	1/2	3,799.88	1/2	3,606.55	1/2	3,332.18	1/2	2,973.69	1/2	2,614.07	1/2	2,254.08
3/4	3/4	3/4	3/4	3/4	4,336.99	3/4	4,164.54	3/4	3,983.82	3/4	3,795.90	3/4	3,602.52	3/4	3,324.72	3/4	2,966.21	3/4	2,606.58	3/4	2,246.58
6	6	6	6	6	4,333.49	6	4,160.86	6	3,979.97	6	3,791.90	6	3,598.48	6	3,317.27	6	2,958.72	6	2,599.08	6	2,239.08
1/4	1/4	1/4	1/4	1/4	4,330.00	1/4	4,157.17	1/4	3,976.12	1/4	3,787.91	1/4	3,594.44	1/4	3,309.82	1/4	2,951.24	1/4	2,591.58	1/4	2,231.58
1/2	1/2	1/2	1/2	1/2	4,326.50	1/2	4,153.49	1/2	3,972.28	1/2	3,783.91	1/2	3,590.41	1/2	3,302.37	1/2	2,943.75	1/2	2,584.08	1/2	2,224.08
3/4	3/4	3/4	3/4	3/4	4,323.00	3/4	4,149.80	3/4	3,968.43	3/4	3,779.92	3/4	3,586.37	3/4	3,294.91	3/4	2,936.27	3/4	2,576.58	3/4	2,216.58
7	7	7	7	7	4,319.49	7	4,146.10	7	3,964.57	7	3,775.91	7	3,582.33	7	3,287.46	7	2,928.78	7	2,569.08	7	2,209.08
1/4	1/4	1/4	1/4	1/4	4,315.97	1/4	4,142.40	1/4	3,960.71	1/4	3,771.90	1/4	3,578.30	1/4	3,280.01	1/4	2,921.29	1/4	2,561.58	1/4	2,201.58
1/2	1/2	1/2	1/2	1/2	4,312.46	1/2	4,138.70	1/2	3,956.85	1/2	3,767.89	1/2	3,574.26	1/2	3,272.56	1/2	2,913.81	1/2	2,554.08	1/2	2,194.08
3/4	3/4	3/4	3/4	3/4	4,308.95	3/4	4,135.00	3/4	3,952.99	3/4	3,763.89	3/4	3,570.22	3/4	3,265.11	3/4	2,906.32	3/4	2,546.58	3/4	2,186.58
8	8	8	8	8	4,305.43	8	4,131.28	8	3,949.12	8	3,759.87	8	3,566.19	8	3,257.66	8	2,898.84	8	2,539.08	8	2,179.08
1/4	1/4	1/4	1/4	1/4	4,301.91	1/4	4,127.56	1/4	3,945.24	1/4	3,755.85	1/4	3,562.15	1/4	3,250.20	1/4	2,891.35	1/4	2,531.58	1/4	2,171.58
1/2	1/2	1/2	1/2	1/2	4,298.38	1/2	4,123.83	1/2	3,941.37	1/2	3,751.83	1/2	3,558.11	1/2	3,242.75	1/2	2,883.87	1/2	2,524.08	1/2	2,164.08
3/4	3/4	3/4	3/4	3/4	4,294.86	3/4	4,120.11	3/4	3,937.50	3/4	3,747.81	3/4	3,554.08	3/4	3,235.30	3/4	2,876.38	3/4	2,516.58	3/4	2,156.58
9	9	9	9	9	4,291.32	9	4,116.37	9	3,933.62	9	3,743.78	9	3,550.04	9	3,227.85	9	2,868.89	9	2,509.08	9	2,149.08
1/4	1/4	1/4	1/4	1/4	4,287.78	1/4	4,112.63	1/4	3,929.73	1/4	3,739.75	1/4	3,546.00	1/4	3,220.40	1/4	2,861.41	1/4	2,501.58	1/4	2,141.58
1/2	1/2	1/2	1/2	1/2	4,284.24	1/2	4,108.90	1/2	3,925.85	1/2	3,735.72	1/2	3,541.97	1/2	3,212.95	1/2	2,853.92	1/2	2,494.08	1/2	2,134.08
3/4	3/4	3/4	3/4	3/4	4,280.69	3/4	4,105.16	3/4	3,921.96	3/4	3,731.69	3/4	3,537.93	3/4	3,205.50	3/4	2,846.44	3/4	2,486.58	3/4	2,126.58
10	10	10	10	10	4,277.11	10	4,101.41	10	3,918.07	10	3,727.65	10	3,533.89	10	3,198.04	10	2,838.95	10	2,479.08	10	2,119.08
1/4	1/4	1/4	1/4	1/4	4,273.52	1/4	4,097.66	1/4	3,914.17	1/4	3,723.61	1/4	3,529.86	1/4	3,190.59	1/4	2,831.47	1/4	2,471.58	1/4	2,111.58
1/2	1/2	1/2	1/2	1/2	4,269.93	1/2	4,093.91	1/2	3,910.27	1/2	3,719.58	1/2	3,525.82	1/2	3,183.14	1/2	2,823.98	1/2	2,464.08	1/2	2,104.08
3/4	3/4	3/4	3/4	3/4	4,266.35	3/4	4,090.16	3/4	3,906.38	3/4	3,715.54	3/4	3,521.78	3/4	3,175.69	3/4	2,816.49	3/4	2,456.58	3/4	2,096.58
11	11	11	11	11	4,262.75	11	4,086.40	11	3,902.47	11	3,711.50	11	3,517.32	11	3,168.23	11	2,809.01	11	2,449.08	11	2,089.08
1/4	1/4	1/4	1/4	1/4	4,259.15	1/4	4,082.64	1/4	3,898.56	1/4	3,707.47	1/4	3,512.85	1/4	3,160.78	1/4	2,801.52	1/4	2,441.58	1/4	2,081.58
1/2	1/2	1/2	1/2	1/2	4,255.55	1/2	4,078.88	1/2	3,894.65	1/2	3,703.43	1/2	3,508.39	1/2	3,153.32	1/2	2,794.03	1/2	2,434.08	1/2	2,074.08
3/4	3/4	3/4	3/4	3/4	4,251.95	3/4	4,075.12	3/4	3,890.74	3/4	3,699.39	3/4	3,503.92	3/4	3,145.87	3/4	2,786.54	3/4	2,426.58	3/4	2,066.58

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-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 "HMS 3148"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. 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	2,059.08	0	1,699.00	0	1,338.93	0	979.14	0	619.15	0	259.09	0		0		0		0	
1/4	2,051.58	1/4	1,691.50	1/4	1,331.42	1/4	971.65	1/4	611.65	1/4	251.59	1/4		1/4		1/4		1/4	
1/2	2,044.08	1/2	1,684.00	1/2	1,323.92	1/2	964.15	1/2	604.15	1/2	244.09	1/2		1/2		1/2		1/2	
3/4	2,036.58	3/4	1,676.50	3/4	1,316.42	3/4	956.66	3/4	596.65	3/4	236.59	3/4		3/4		3/4		3/4	
1	2,029.07	1	1,669.00	1	1,308.92	1	949.17	1	589.15	1	229.08	1		1		1		1	
1/4	2,021.57	1/4	1,661.50	1/4	1,301.42	1/4	941.68	1/4	581.65	1/4	221.58	1/4		1/4		1/4		1/4	
1/2	2,014.07	1/2	1,653.99	1/2	1,293.92	1/2	934.18	1/2	574.14	1/2	214.08	1/2		1/2		1/2		1/2	
3/4	2,006.57	3/4	1,646.49	3/4	1,286.42	3/4	926.69	3/4	566.64	3/4	206.58	3/4		3/4		3/4		3/4	
2	1,999.07	2	1,638.99	2	1,278.91	2	919.19	2	559.14	2	199.08	2		2		2		2	
1/4	1,991.57	1/4	1,631.49	1/4	1,271.41	1/4	911.70	1/4	551.64	1/4	191.58	1/4		1/4		1/4		1/4	
1/2	1,984.06	1/2	1,623.99	1/2	1,263.91	1/2	904.20	1/2	544.14	1/2	184.08	1/2		1/2		1/2		1/2	
3/4	1,976.56	3/4	1,616.49	3/4	1,256.41	3/4	896.70	3/4	536.64	3/4	176.58	3/4		3/4		3/4		3/4	
3	1,969.06	3	1,608.98	3	1,248.91	3	889.20	3	529.14	3	169.07	3		3		3		3	
1/4	1,961.56	1/4	1,601.48	1/4	1,241.41	1/4	881.70	1/4	521.64	1/4	161.57	1/4		1/4		1/4		1/4	
1/2	1,954.06	1/2	1,593.98	1/2	1,233.91	1/2	874.20	1/2	514.13	1/2	154.07	1/2		1/2		1/2		1/2	
3/4	1,946.56	3/4	1,586.48	3/4	1,226.40	3/4	866.69	3/4	506.63	3/4	146.57	3/4		3/4		3/4		3/4	
4	1,939.05	4	1,578.98	4	1,218.91	4	859.19	4	499.13	4	139.07	4		4		4		4	
1/4	1,931.55	1/4	1,571.48	1/4	1,211.41	1/4	851.69	1/4	491.63	1/4	131.57	1/4		1/4		1/4		1/4	
1/2	1,924.05	1/2	1,563.97	1/2	1,203.91	1/2	844.19	1/2	484.13	1/2	124.07	1/2		1/2		1/2		1/2	
3/4	1,916.55	3/4	1,556.47	3/4	1,196.41	3/4	836.69	3/4	476.63	3/4	116.56	3/4		3/4		3/4		3/4	
5	1,909.05	5	1,548.97	5	1,188.92	5	829.19	5	469.13	5	109.14	5		5		5		5	
1/4	1,901.55	1/4	1,541.47	1/4	1,181.43	1/4	821.69	1/4	461.62	1/4	101.72	1/4		1/4		1/4		1/4	
1/2	1,894.04	1/2	1,533.97	1/2	1,173.94	1/2	814.19	1/2	454.12	1/2	94.30	1/2		1/2		1/2		1/2	
3/4	1,886.54	3/4	1,526.47	3/4	1,166.44	3/4	806.68	3/4	446.62	3/4	86.87	3/4		3/4		3/4		3/4	
6	1,879.04	6	1,518.96	6	1,158.95	6	799.18	6	439.12	6	80.15	6		6		6		6	
1/4	1,871.54	1/4	1,511.46	1/4	1,151.46	1/4	791.68	1/4	431.62	1/4	73.43	1/4		1/4		1/4		1/4	
1/2	1,864.04	1/2	1,503.96	1/2	1,143.97	1/2	784.18	1/2	424.12	1/2	66.71	1/2		1/2		1/2		1/2	
3/4	1,856.54	3/4	1,496.46	3/4	1,136.47	3/4	776.68	3/4	416.62	3/4	59.99	3/4		3/4		3/4		3/4	
7	1,849.04	7	1,488.96	7	1,128.98	7	769.18	7	409.12	7	54.52	7		7		7		7	
1/4	1,841.53	1/4	1,481.46	1/4	1,121.49	1/4	761.68	1/4	401.61	1/4	49.05	1/4		1/4		1/4		1/4	
1/2	1,834.03	1/2	1,473.96	1/2	1,114.00	1/2	754.18	1/2	394.11	1/2	43.59	1/2		1/2		1/2		1/2	
3/4	1,826.53	3/4	1,466.45	3/4	1,106.51	3/4	746.67	3/4	386.61	3/4	38.12	3/4		3/4		3/4		3/4	
8	1,819.03	8	1,458.95	8	1,099.01	8	739.17	8	379.11	8	33.90	8		8		8		8	
1/4	1,811.53	1/4	1,451.45	1/4	1,091.52	1/4	731.67	1/4	371.61	1/4	29.68	1/4		1/4		1/4		1/4	
1/2	1,804.03	1/2	1,443.95	1/2	1,084.03	1/2	724.17	1/2	364.11	1/2	25.46	1/2		1/2		1/2		1/2	
3/4	1,796.52	3/4	1,436.45	3/4	1,076.54	3/4	716.67	3/4	356.61	3/4	21.24	3/4		3/4		3/4		3/4	
9	1,789.02	9	1,428.95	9	1,069.04	9	709.17	9	349.11	9		9		9		9		9	
1/4	1,781.52	1/4	1,421.44	1/4	1,061.55	1/4	701.67	1/4	341.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,774.02	1/2	1,413.94	1/2	1,054.06	1/2	694.17	1/2	334.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,766.52	3/4	1,406.44	3/4	1,046.57	3/4	686.66	3/4	326.60	3/4		3/4		3/4		3/4		3/4	
10	1,759.02	10	1,398.94	10	1,039.08	10	679.16	10	319.10	10		10		10		10		10	
1/4	1,751.51	1/4	1,391.44	1/4	1,031.58	1/4	671.66	1/4	311.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,744.01	1/2	1,383.94	1/2	1,024.09	1/2	664.16	1/2	304.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,736.51	3/4	1,376.43	3/4	1,016.60	3/4	656.66	3/4	296.60	3/4		3/4		3/4		3/4		3/4	
11	1,729.01	11	1,368.93	11	1,009.11	11	649.16	11	289.09	11		11		11		11		11	
1/4	1,721.51	1/4	1,361.43	1/4	1,001.61	1/4	641.66	1/4	281.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,714.01	1/2	1,353.93	1/2	994.12	1/2	634.15	1/2	274.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,706.50	3/4	1,346.43	3/4	986.63	3/4	626.65	3/4	266.59	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/23/2023 JS
CALCULATED: 01/23/2023 CL
PRINTED: 01/23/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2023

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



BARGE "HMS 3148"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,222.30	0	4,046.01	0	3,862.17	0	3,671.39	0	3,473.17	0	3,115.64	0	2,757.03	0	2,397.60
1/4	1/4	1/4	1/4	1/4	4,218.71	1/4	4,042.25	1/4	3,858.27	1/4	3,667.37	1/4	3,465.71	1/4	3,108.16	1/4	2,749.54	1/4	2,390.11
1/2	1/2	1/2	1/2	1/2	4,215.11	1/2	4,038.49	1/2	3,854.36	1/2	3,663.35	1/2	3,458.26	1/2	3,100.69	1/2	2,742.05	1/2	2,382.62
3/4	3/4	3/4	3/4	3/4	4,211.51	3/4	4,034.73	3/4	3,850.45	3/4	3,659.32	3/4	3,450.80	3/4	3,093.22	3/4	2,734.56	3/4	2,375.14
1	1	1	1	1	4,207.90	1	4,030.96	1	3,846.53	1	3,655.30	1	3,443.35	1	3,085.74	1	2,727.07	1	2,367.65
1/4	1/4	1/4	1/4	1/4	4,204.30	1/4	4,027.19	1/4	3,842.61	1/4	3,651.28	1/4	3,435.89	1/4	3,078.27	1/4	2,719.59	1/4	2,360.16
1/2	1/2	1/2	1/2	1/2	4,200.69	1/2	4,023.42	1/2	3,838.69	1/2	3,647.26	1/2	3,428.43	1/2	3,070.79	1/2	2,712.10	1/2	2,352.67
3/4	3/4	3/4	3/4	3/4	4,197.08	3/4	4,019.64	3/4	3,834.78	3/4	3,643.23	3/4	3,420.98	3/4	3,063.32	3/4	2,704.61	3/4	2,345.18
2	2	2	2	2	4,193.46	2	4,015.86	2	3,830.84	2	3,639.21	2	3,413.52	2	3,055.85	2	2,697.12	2	2,337.69
1/4	1/4	1/4	1/4	1/4	4,189.84	1/4	4,012.08	1/4	3,826.91	1/4	3,635.19	1/4	3,406.07	1/4	3,048.39	1/4	2,689.64	1/4	2,330.20
1/2	1/2	1/2	1/2	1/2	4,186.21	1/2	4,008.29	1/2	3,822.98	1/2	3,631.17	1/2	3,398.61	1/2	3,040.92	1/2	2,682.15	1/2	2,322.72
3/4	3/4	3/4	3/4	3/4	4,182.59	3/4	4,004.51	3/4	3,819.05	3/4	3,627.14	3/4	3,391.16	3/4	3,033.45	3/4	2,674.66	3/4	2,315.23
3	3	3	3	3	4,178.96	3	4,000.71	3	3,815.11	3	3,623.12	3	3,383.70	3	3,025.99	3	2,667.18	3	2,307.74
1/4	1/4	1/4	1/4	1/4	4,175.32	1/4	3,996.92	1/4	3,811.16	1/4	3,619.10	1/4	3,376.24	1/4	3,018.52	1/4	2,659.69	1/4	2,300.25
1/2	1/2	1/2	1/2	1/2	4,171.69	1/2	3,993.12	1/2	3,807.22	1/2	3,615.08	1/2	3,368.79	1/2	3,011.05	1/2	2,652.20	1/2	2,292.76
3/4	3/4	3/4	3/4	3/4	4,168.06	3/4	3,989.33	3/4	3,803.27	3/4	3,611.06	3/4	3,361.33	3/4	3,003.59	3/4	2,644.71	3/4	2,285.27
4	4	4	4	4	4,164.41	4	3,985.52	4	3,799.32	4	3,607.03	4	3,353.88	4	2,996.12	4	2,637.23	4	2,277.78
1/4	1/4	1/4	1/4	1/4	4,160.77	1/4	3,981.71	1/4	3,795.36	1/4	3,603.01	1/4	3,346.42	1/4	2,988.65	1/4	2,629.74	1/4	2,270.30
1/2	1/2	1/2	1/2	1/2	4,157.12	1/2	3,977.90	1/2	3,791.41	1/2	3,598.99	1/2	3,338.97	1/2	2,981.19	1/2	2,622.25	1/2	2,262.81
3/4	3/4	3/4	3/4	3/4	4,153.47	3/4	3,974.09	3/4	3,787.45	3/4	3,594.97	3/4	3,331.51	3/4	2,973.72	3/4	2,614.77	3/4	2,255.32
5	5	5	5	5	4,149.82	5	3,970.27	5	3,783.48	5	3,590.94	5	3,324.06	5	2,966.25	5	2,607.28	5	2,247.83
1/4	1/4	1/4	1/4	1/4	4,146.16	1/4	3,966.45	1/4	3,779.51	1/4	3,586.92	1/4	3,316.60	1/4	2,958.79	1/4	2,599.79	1/4	2,240.34
1/2	1/2	1/2	1/2	1/2	4,142.50	1/2	3,962.63	1/2	3,775.54	1/2	3,582.90	1/2	3,309.15	1/2	2,951.32	1/2	2,592.30	1/2	2,232.85
3/4	3/4	3/4	3/4	3/4	4,138.84	3/4	3,958.81	3/4	3,771.58	3/4	3,578.88	3/4	3,301.70	3/4	2,943.85	3/4	2,584.82	3/4	2,225.36
6	6	6	6	6	4,135.17	6	3,954.98	6	3,767.59	6	3,574.85	6	3,294.25	6	2,936.38	6	2,577.33	6	2,217.88
1/4	1/4	1/4	1/4	1/4	4,131.50	1/4	3,951.14	1/4	3,763.61	1/4	3,570.83	1/4	3,286.81	1/4	2,928.92	1/4	2,569.84	1/4	2,210.39
1/2	1/2	1/2	1/2	1/2	4,127.83	1/2	3,947.31	1/2	3,759.63	1/2	3,566.81	1/2	3,279.37	1/2	2,921.45	1/2	2,562.35	1/2	2,202.90
3/4	3/4	3/4	3/4	3/4	4,124.16	3/4	3,943.48	3/4	3,755.65	3/4	3,562.79	3/4	3,271.93	3/4	2,913.98	3/4	2,554.86	3/4	2,195.41
7	7	7	7	7	4,120.47	7	3,939.63	7	3,751.66	7	3,558.77	7	3,264.49	7	2,906.52	7	2,547.37	7	2,187.92
1/4	1/4	1/4	1/4	1/4	4,116.79	1/4	3,935.79	1/4	3,747.67	1/4	3,554.74	1/4	3,257.05	1/4	2,899.05	1/4	2,539.89	1/4	2,180.43
1/2	1/2	1/2	1/2	1/2	4,113.10	1/2	3,931.94	1/2	3,743.67	1/2	3,550.72	1/2	3,249.61	1/2	2,891.58	1/2	2,532.40	1/2	2,172.94
3/4	3/4	3/4	3/4	3/4	4,109.42	3/4	3,928.10	3/4	3,739.68	3/4	3,546.70	3/4	3,242.17	3/4	2,884.11	3/4	2,524.91	3/4	2,165.46
8	8	8	8	8	4,105.71	8	3,924.24	8	3,735.67	8	3,542.68	8	3,234.73	8	2,876.64	8	2,517.42	8	2,157.97
1/4	1/4	1/4	1/4	1/4	4,102.00	1/4	3,920.38	1/4	3,731.67	1/4	3,538.65	1/4	3,227.29	1/4	2,869.16	1/4	2,509.93	1/4	2,150.48
1/2	1/2	1/2	1/2	1/2	4,098.29	1/2	3,916.52	1/2	3,727.66	1/2	3,534.63	1/2	3,219.85	1/2	2,861.69	1/2	2,502.44	1/2	2,142.99
3/4	3/4	3/4	3/4	3/4	4,094.58	3/4	3,912.67	3/4	3,723.66	3/4	3,530.61	3/4	3,212.41	3/4	2,854.22	3/4	2,494.95	3/4	2,135.50
9	9	9	9	9	4,090.86	9	3,908.80	9	3,719.64	9	3,526.59	9	3,204.97	9	2,846.74	9	2,487.46	9	2,128.01
1/4	1/4	1/4	1/4	1/4	4,087.14	1/4	3,904.93	1/4	3,715.62	1/4	3,522.56	1/4	3,197.53	1/4	2,839.27	1/4	2,479.98	1/4	2,120.52
1/2	1/2	1/2	1/2	1/2	4,083.41	1/2	3,901.06	1/2	3,711.61	1/2	3,518.54	1/2	3,190.09	1/2	2,831.79	1/2	2,472.49	1/2	2,113.03
3/4	3/4	3/4	3/4	3/4	4,079.69	3/4	3,897.19	3/4	3,707.59	3/4	3,514.52	3/4	3,182.65	3/4	2,824.32	3/4	2,465.00	3/4	2,105.55
10	10	10	10	10	4,075.96	10	3,893.30	10	3,703.57	10	3,510.50	10	3,175.21	10	2,816.84	10	2,457.51	10	2,098.06
1/4	1/4	1/4	1/4	1/4	4,072.22	1/4	3,889.42	1/4	3,699.55	1/4	3,506.48	1/4	3,167.77	1/4	2,809.37	1/4	2,450.02	1/4	2,090.57
1/2	1/2	1/2	1/2	1/2	4,068.49	1/2	3,885.54	1/2	3,695.52	1/2	3,502.45	1/2	3,160.33	1/2	2,801.89	1/2	2,442.53	1/2	2,083.08
3/4	3/4	3/4	3/4	3/4	4,064.75	3/4	3,881.66	3/4	3,691.50	3/4	3,498.43	3/4	3,152.89	3/4	2,794.42	3/4	2,435.04	3/4	2,075.59
11	11	11	11	11	4,061.01	11	3,877.76	11	3,687.48	11	3,493.98	11	3,145.45	11	2,786.94	11	2,427.56	11	2,068.10
1/4	1/4	1/4	1/4	1/4	4,057.26	1/4	3,873.87	1/4	3,683.46	1/4	3,489.53	1/4	3,138.00	1/4	2,779.47	1/4	2,420.07	1/4	2,060.61
1/2	1/2	1/2	1/2	1/2	4,053.51	1/2	3,869.97	1/2	3,679.43	1/2	3,485.08	1/2	3,130.56	1/2	2,771.99	1/2	2,412.58	1/2	2,053.13
3/4	3/4	3/4	3/4	3/4	4,049.77	3/4	3,866.08	3/4	3,675.41	3/4	3,480.62	3/4	3,123.11	3/4	2,764.52	3/4	2,405.09	3/4	2,045.64

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 LIP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "HMS 3148"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,038.15	0	1,678.62	0	1,320.41	0	970.92	0	618.46	0	258.82	0		0		0		0	
1/4	2,030.66	1/4	1,671.13	1/4	1,312.98	1/4	963.77	1/4	610.97	1/4	251.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,023.17	1/2	1,663.63	1/2	1,305.55	1/2	956.61	1/2	603.47	1/2	243.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,015.68	3/4	1,656.14	3/4	1,298.12	3/4	949.46	3/4	595.98	3/4	236.34	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,008.19	1	1,648.65	1	1,290.69	1	942.30	1	588.49	1	228.85	1	1	1	1	1	1	1	1
1/4	2,000.70	1/4	1,641.16	1/4	1,283.26	1/4	935.15	1/4	581.00	1/4	221.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,993.21	1/2	1,633.67	1/2	1,275.83	1/2	927.99	1/2	573.50	1/2	213.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,985.72	3/4	1,626.18	3/4	1,268.41	3/4	920.84	3/4	566.01	3/4	206.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,978.23	2	1,618.69	2	1,260.98	2	913.68	2	558.52	2	198.88	2	2	2	2	2	2	2	2
1/4	1,970.74	1/4	1,611.20	1/4	1,253.55	1/4	906.52	1/4	551.03	1/4	191.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,963.25	1/2	1,603.71	1/2	1,246.13	1/2	899.36	1/2	543.53	1/2	183.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,955.76	3/4	1,596.22	3/4	1,238.70	3/4	892.20	3/4	536.04	3/4	176.40	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,948.27	3	1,588.73	3	1,231.29	3	885.02	3	528.55	3	168.91	3	3	3	3	3	3	3	3
1/4	1,940.78	1/4	1,581.24	1/4	1,223.88	1/4	877.84	1/4	521.06	1/4	161.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,933.29	1/2	1,573.75	1/2	1,216.46	1/2	870.66	1/2	513.56	1/2	153.92	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,925.80	3/4	1,566.26	3/4	1,209.05	3/4	863.48	3/4	506.07	3/4	146.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,918.31	4	1,558.77	4	1,201.64	4	856.29	4	498.58	4	138.93	4	4	4	4	4	4	4	4
1/4	1,910.82	1/4	1,551.28	1/4	1,194.23	1/4	849.11	1/4	491.09	1/4	131.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,903.33	1/2	1,543.79	1/2	1,186.81	1/2	841.92	1/2	483.59	1/2	123.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,895.84	3/4	1,536.30	3/4	1,179.40	3/4	834.74	3/4	476.10	3/4	116.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,888.35	5	1,528.81	5	1,172.00	5	827.50	5	468.61	5	109.02	5	5	5	5	5	5	5	5
1/4	1,880.86	1/4	1,521.32	1/4	1,164.59	1/4	820.26	1/4	461.12	1/4	101.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,873.37	1/2	1,513.83	1/2	1,157.19	1/2	813.01	1/2	453.62	1/2	94.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,865.88	3/4	1,506.34	3/4	1,149.79	3/4	805.77	3/4	446.13	3/4	86.78	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,858.39	6	1,498.85	6	1,142.63	6	798.28	6	438.64	6	80.08	6	6	6	6	6	6	6	6
1/4	1,850.89	1/4	1,491.37	1/4	1,135.48	1/4	790.79	1/4	431.15	1/4	73.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,843.40	1/2	1,483.89	1/2	1,128.32	1/2	783.29	1/2	423.65	1/2	66.68	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,835.91	3/4	1,476.41	3/4	1,121.17	3/4	775.80	3/4	416.16	3/4	59.98	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,828.42	7	1,468.98	7	1,114.01	7	768.31	7	408.67	7	54.51	7	7	7	7	7	7	7	7
1/4	1,820.93	1/4	1,461.55	1/4	1,106.86	1/4	760.82	1/4	401.18	1/4	49.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,813.44	1/2	1,454.12	1/2	1,099.70	1/2	753.32	1/2	393.68	1/2	43.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,805.95	3/4	1,446.69	3/4	1,092.55	3/4	745.83	3/4	386.19	3/4	38.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,798.46	8	1,439.26	8	1,085.40	8	738.34	8	378.70	8	33.91	8	8	8	8	8	8	8	8
1/4	1,790.97	1/4	1,431.83	1/4	1,078.24	1/4	730.85	1/4	371.21	1/4	29.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,783.48	1/2	1,424.41	1/2	1,071.09	1/2	723.35	1/2	363.71	1/2	25.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,775.99	3/4	1,416.98	3/4	1,063.93	3/4	715.86	3/4	356.22	3/4	21.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,768.50	9	1,409.55	9	1,056.78	9	708.37	9	348.73	9	17.03	9	9	9	9	9	9	9	9
1/4	1,761.01	1/4	1,402.12	1/4	1,049.62	1/4	700.88	1/4	341.24	1/4	12.81	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,753.52	1/2	1,394.69	1/2	1,042.47	1/2	693.38	1/2	333.74	1/2	8.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,746.03	3/4	1,387.26	3/4	1,035.31	3/4	685.89	3/4	326.25	3/4	4.40	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,738.54	10	1,379.83	10	1,028.16	10	678.40	10	318.76	10	0.20	10	10	10	10	10	10	10	10
1/4	1,731.05	1/4	1,372.41	1/4	1,021.00	1/4	670.91	1/4	311.27	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,723.56	1/2	1,364.98	1/2	1,013.85	1/2	663.41	1/2	303.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,716.07	3/4	1,357.55	3/4	1,006.69	3/4	655.92	3/4	296.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,708.58	11	1,350.12	11	999.54	11	648.43	11	288.79	11		11	11	11	11	11	11	11	11
1/4	1,701.09	1/4	1,342.69	1/4	992.39	1/4	640.94	1/4	281.30	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,693.60	1/2	1,335.26	1/2	985.23	1/2	633.44	1/2	273.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,686.11	3/4	1,327.83	3/4	978.08	3/4	625.95	3/4	266.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/23/2023 JS
CALCULATED: 01/23/2023 CL
PRINTED: 01/23/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2023

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



BARGE "HMS 3148"

SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	2,574	0	1,997	0	1,419	0	842	0	265	0		0		0		0	
1/4		1/4	2,562	1/4	1,985	1/4	1,407	1/4	830	1/4	253	1/4		1/4		1/4		1/4	
1/2		1/2	2,550	1/2	1,973	1/2	1,395	1/2	818	1/2	241	1/2		1/2		1/2		1/2	
3/4		3/4	2,538	3/4	1,961	3/4	1,383	3/4	806	3/4	229	3/4		3/4		3/4		3/4	
1		1	2,526	1	1,949	1	1,371	1	794	1	217	1		1		1		1	
1/4		1/4	2,514	1/4	1,937	1/4	1,359	1/4	782	1/4	204	1/4		1/4		1/4		1/4	
1/2		1/2	2,502	1/2	1,925	1/2	1,347	1/2	770	1/2	192	1/2		1/2		1/2		1/2	
3/4		3/4	2,490	3/4	1,913	3/4	1,335	3/4	758	3/4	180	3/4		3/4		3/4		3/4	
2		2	2,478	2	1,901	2	1,323	2	746	2	168	2		2		2		2	
1/4		1/4	2,466	1/4	1,889	1/4	1,311	1/4	734	1/4	156	1/4		1/4		1/4		1/4	
1/2		1/2	2,454	1/2	1,877	1/2	1,299	1/2	722	1/2	144	1/2		1/2		1/2		1/2	
3/4		3/4	2,442	3/4	1,865	3/4	1,287	3/4	710	3/4	132	3/4		3/4		3/4		3/4	
3		3	2,430	3	1,852	3	1,275	3	698	3	120	3		3		3		3	
1/4		1/4	2,418	1/4	1,840	1/4	1,263	1/4	686	1/4	108	1/4		1/4		1/4		1/4	
1/2		1/2	2,406	1/2	1,828	1/2	1,251	1/2	674	1/2	96	1/2		1/2		1/2		1/2	
3/4		3/4	2,394	3/4	1,816	3/4	1,239	3/4	662	3/4	84	3/4		3/4		3/4		3/4	
4		4	2,382	4	1,804	4	1,227	4	650	4	72	4		4		4		4	
1/4		1/4	2,370	1/4	1,792	1/4	1,215	1/4	638	1/4	60	1/4		1/4		1/4		1/4	
1/2		1/2	2,358	1/2	1,780	1/2	1,203	1/2	626	1/2	48	1/2		1/2		1/2		1/2	
3/4		3/4	2,346	3/4	1,768	3/4	1,191	3/4	613	3/4	36	3/4		3/4		3/4		3/4	
5		5	2,334	5	1,756	5	1,179	5	601	5	24	5		5		5		5	
1/4		1/4	2,322	1/4	1,744	1/4	1,167	1/4	589	1/4	12	1/4		1/4		1/4		1/4	
1/2		1/2	2,310	1/2	1,732	1/2	1,155	1/2	577	1/2	0	1/2		1/2		1/2		1/2	
3/4		3/4	2,298	3/4	1,720	3/4	1,143	3/4	565	3/4		3/4		3/4		3/4		3/4	
6		6	2,286	6	1,708	6	1,131	6	553	6		6		6		6		6	
1/4		1/4	2,274	1/4	1,696	1/4	1,119	1/4	541	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	2,261	1/2	1,684	1/2	1,107	1/2	529	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	2,249	3/4	1,672	3/4	1,095	3/4	517	3/4		3/4		3/4		3/4		3/4	
7		7	2,237	7	1,660	7	1,083	7	505	7		7		7		7		7	
1/4		1/4	2,225	1/4	1,648	1/4	1,071	1/4	493	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	2,213	1/2	1,636	1/2	1,059	1/2	481	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	2,201	3/4	1,624	3/4	1,047	3/4	469	3/4		3/4		3/4		3/4		3/4	
8		8	2,189	8	1,612	8	1,035	8	457	8		8		8		8		8	
1/4		1/4	2,177	1/4	1,600	1/4	1,022	1/4	445	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	2,165	1/2	1,588	1/2	1,010	1/2	433	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	2,153	3/4	1,576	3/4	998	3/4	421	3/4		3/4		3/4		3/4		3/4	
9		9	2,141	9	1,564	9	986	9	409	9		9		9		9		9	
1/4		1/4	2,129	1/4	1,552	1/4	974	1/4	397	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	2,117	1/2	1,540	1/2	962	1/2	385	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	2,105	3/4	1,528	3/4	950	3/4	373	3/4		3/4		3/4		3/4		3/4	
10		10	2,093	10	1,516	10	938	10	361	10		10		10		10		10	
1/4		1/4	2,081	1/4	1,504	1/4	926	1/4	349	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	2,069	1/2	1,492	1/2	914	1/2	337	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	2,057	3/4	1,480	3/4	902	3/4	325	3/4		3/4		3/4		3/4		3/4	
11		11	2,045	11	1,468	11	890	11	313	11		11		11		11		11	
1/4		1/4	2,033	1/4	1,456	1/4	878	1/4	301	1/4		1/4		1/4		1/4		1/4	
1/2		2,598	2,021	1,444	866	289						1/2		1/2		1/2		1/2	
3/4		2,586	2,009	1,431	854	277						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 AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN
 TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.

STRAPPED: 01/23/2023 JS
 CALCULATED: 01/23/2023 CL
 PRINTED: 01/23/2023 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 01/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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