



# BARGE "HMS 3148"

## INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 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 INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 3/4"

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 INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	21.42	0	359.72	0	722.93	0	1,085.90	0	1,448.87	0	1,812.10	0	2,175.32	0	2,538.55	0	2,901.66	0	3,264.76
1/4	25.68	1/4	367.29	1/4	730.50	1/4	1,093.45	1/4	1,456.44	1/4	1,819.66	1/4	2,182.89	1/4	2,546.12	1/4	2,909.23	1/4	3,272.32
1/2	29.94	1/2	374.85	1/2	738.06	1/2	1,101.01	1/2	1,464.01	1/2	1,827.23	1/2	2,190.46	1/2	2,553.68	1/2	2,916.79	1/2	3,279.88
3/4	34.19	3/4	382.42	3/4	745.63	3/4	1,108.56	3/4	1,471.57	3/4	1,834.80	3/4	2,198.02	3/4	2,561.25	3/4	2,924.36	3/4	3,287.45
1	38.45	1	389.99	1	753.20	1	1,116.12	1	1,479.14	1	1,842.37	1	2,205.59	1	2,568.82	1	2,931.92	1	3,295.01
1/4	43.96	1/4	397.55	1/4	760.76	1/4	1,123.67	1/4	1,486.71	1/4	1,849.93	1/4	2,213.16	1/4	2,576.38	1/4	2,939.49	1/4	3,302.58
1/2	49.48	1/2	405.12	1/2	768.33	1/2	1,131.23	1/2	1,494.27	1/2	1,857.50	1/2	2,220.73	1/2	2,583.95	1/2	2,947.05	1/2	3,310.14
3/4	55.00	3/4	412.69	3/4	775.90	3/4	1,138.78	3/4	1,501.84	3/4	1,865.07	3/4	2,228.29	3/4	2,591.52	3/4	2,954.62	3/4	3,317.71
2	60.51	2	420.25	2	783.47	2	1,146.34	2	1,509.41	2	1,872.63	2	2,235.86	2	2,599.09	2	2,962.18	2	3,325.27
1/4	67.29	1/4	427.82	1/4	791.03	1/4	1,153.89	1/4	1,516.98	1/4	1,880.20	1/4	2,243.43	1/4	2,606.65	1/4	2,969.74	1/4	3,332.84
1/2	74.07	1/2	435.39	1/2	798.60	1/2	1,161.45	1/2	1,524.54	1/2	1,887.77	1/2	2,250.99	1/2	2,614.22	1/2	2,977.31	1/2	3,340.40
3/4	80.85	3/4	442.95	3/4	806.17	3/4	1,169.00	3/4	1,532.11	3/4	1,895.34	3/4	2,258.56	3/4	2,621.79	3/4	2,984.87	3/4	3,347.96
3	87.63	3	450.52	3	813.73	3	1,176.56	3	1,539.68	3	1,902.90	3	2,266.13	3	2,629.35	3	2,992.44	3	3,355.53
1/4	95.11	1/4	458.09	1/4	821.30	1/4	1,184.11	1/4	1,547.25	1/4	1,910.47	1/4	2,273.70	1/4	2,636.92	1/4	3,000.00	1/4	3,363.09
1/2	102.60	1/2	465.66	1/2	828.87	1/2	1,191.67	1/2	1,554.81	1/2	1,918.04	1/2	2,281.26	1/2	2,644.48	1/2	3,007.57	1/2	3,370.66
3/4	110.09	3/4	473.22	3/4	836.43	3/4	1,199.22	3/4	1,562.38	3/4	1,925.60	3/4	2,288.83	3/4	2,652.04	3/4	3,015.13	3/4	3,378.22
4	117.58	4	480.79	4	844.00	4	1,206.78	4	1,569.95	4	1,933.17	4	2,296.40	4	2,659.60	4	3,022.69	4	3,385.79
1/4	125.14	1/4	488.36	1/4	851.57	1/4	1,214.33	1/4	1,577.51	1/4	1,940.74	1/4	2,303.96	1/4	2,667.17	1/4	3,030.26	1/4	3,393.35
1/2	132.71	1/2	495.92	1/2	859.13	1/2	1,221.89	1/2	1,585.08	1/2	1,948.31	1/2	2,311.53	1/2	2,674.73	1/2	3,037.82	1/2	3,400.91
3/4	140.28	3/4	503.49	3/4	866.70	3/4	1,229.44	3/4	1,592.65	3/4	1,955.87	3/4	2,319.10	3/4	2,682.30	3/4	3,045.39	3/4	3,408.48
5	147.85	5	511.06	5	874.27	5	1,237.00	5	1,600.22	5	1,963.44	5	2,326.67	5	2,689.86	5	3,052.95	5	3,416.04
1/4	155.41	1/4	518.62	1/4	881.83	1/4	1,244.56	1/4	1,607.78	1/4	1,971.01	1/4	2,334.23	1/4	2,697.43	1/4	3,060.52	1/4	3,423.61
1/2	162.98	1/2	526.19	1/2	889.40	1/2	1,252.13	1/2	1,615.35	1/2	1,978.58	1/2	2,341.80	1/2	2,704.99	1/2	3,068.08	1/2	3,431.17
3/4	170.55	3/4	533.76	3/4	896.97	3/4	1,259.69	3/4	1,622.92	3/4	1,986.14	3/4	2,349.37	3/4	2,712.55	3/4	3,075.65	3/4	3,438.74
6	178.11	6	541.32	6	904.54	6	1,267.26	6	1,630.48	6	1,993.71	6	2,356.94	6	2,720.12	6	3,083.21	6	3,446.30
1/4	185.68	1/4	548.89	1/4	912.10	1/4	1,274.83	1/4	1,638.05	1/4	2,001.28	1/4	2,364.50	1/4	2,727.68	1/4	3,090.77	1/4	3,453.87
1/2	193.25	1/2	556.46	1/2	919.67	1/2	1,282.39	1/2	1,645.62	1/2	2,008.84	1/2	2,372.07	1/2	2,735.25	1/2	3,098.34	1/2	3,461.43
3/4	200.81	3/4	564.02	3/4	927.24	3/4	1,289.96	3/4	1,653.19	3/4	2,016.41	3/4	2,379.64	3/4	2,742.81	3/4	3,105.90	3/4	3,468.99
7	208.38	7	571.59	7	934.80	7	1,297.53	7	1,660.75	7	2,023.98	7	2,387.20	7	2,750.38	7	3,113.47	7	3,476.56
1/4	215.95	1/4	579.16	1/4	942.36	1/4	1,305.09	1/4	1,668.32	1/4	2,031.55	1/4	2,394.77	1/4	2,757.94	1/4	3,121.03	1/4	3,484.12
1/2	223.51	1/2	586.73	1/2	949.91	1/2	1,312.66	1/2	1,675.89	1/2	2,039.11	1/2	2,402.34	1/2	2,765.50	1/2	3,128.60	1/2	3,491.69
3/4	231.08	3/4	594.29	3/4	957.47	3/4	1,320.23	3/4	1,683.45	3/4	2,046.68	3/4	2,409.91	3/4	2,773.07	3/4	3,136.16	3/4	3,499.25
8	238.65	8	601.86	8	965.02	8	1,327.80	8	1,691.02	8	2,054.25	8	2,417.47	8	2,780.63	8	3,143.73	8	3,506.82
1/4	246.22	1/4	609.43	1/4	972.58	1/4	1,335.36	1/4	1,698.59	1/4	2,061.81	1/4	2,425.04	1/4	2,788.20	1/4	3,151.29	1/4	3,514.38
1/2	253.78	1/2	616.99	1/2	980.13	1/2	1,342.93	1/2	1,706.16	1/2	2,069.38	1/2	2,432.61	1/2	2,795.76	1/2	3,158.85	1/2	3,521.95
3/4	261.35	3/4	624.56	3/4	987.69	3/4	1,350.50	3/4	1,713.72	3/4	2,076.95	3/4	2,440.17	3/4	2,803.33	3/4	3,166.42	3/4	3,529.51
9	268.92	9	632.13	9	995.24	9	1,358.07	9	1,721.29	9	2,084.52	9	2,447.74	9	2,810.89	9	3,173.98	9	3,537.07
1/4	276.48	1/4	639.69	1/4	1,002.80	1/4	1,365.63	1/4	1,728.86	1/4	2,092.08	1/4	2,455.31	1/4	2,818.46	1/4	3,181.55	1/4	3,544.64
1/2	284.05	1/2	647.26	1/2	1,010.35	1/2	1,373.20	1/2	1,736.43	1/2	2,099.65	1/2	2,462.88	1/2	2,826.02	1/2	3,189.11	1/2	3,552.20
3/4	291.62	3/4	654.83	3/4	1,017.91	3/4	1,380.77	3/4	1,743.99	3/4	2,107.22	3/4	2,470.44	3/4	2,833.58	3/4	3,196.68	3/4	3,559.77
10	299.18	10	662.39	10	1,025.46	10	1,388.33	10	1,751.56	10	2,114.78	10	2,478.01	10	2,841.15	10	3,204.24	10	3,567.33
1/4	306.75	1/4	669.96	1/4	1,033.02	1/4	1,395.90	1/4	1,759.13	1/4	2,122.35	1/4	2,485.58	1/4	2,848.71	1/4	3,211.80	1/4	3,574.90
1/2	314.32	1/2	677.53	1/2	1,040.57	1/2	1,403.47	1/2	1,766.69	1/2	2,129.92	1/2	2,493.14	1/2	2,856.28	1/2	3,219.37	1/2	3,582.46
3/4	321.88	3/4	685.10	3/4	1,048.13	3/4	1,411.04	3/4	1,774.26	3/4	2,137.49	3/4	2,500.71	3/4	2,863.84	3/4	3,226.93	3/4	3,590.02
11	329.45	11	692.66	11	1,055.68	11	1,418.60	11	1,781.83	11	2,145.05	11	2,508.28	11	2,871.41	11	3,234.50	11	3,597.59
1/4	337.02	1/4	700.23	1/4	1,063.23	1/4	1,426.17	1/4	1,789.40	1/4	2,152.62	1/4	2,515.85	1/4	2,878.97	1/4	3,242.06	1/4	3,605.15
1/2	344.58	1/2	707.80	1/2	1,070.79	1/2	1,433.74	1/2	1,796.96	1/2	2,160.19	1/2	2,523.41	1/2	2,886.54	1/2	3,249.63	1/2	3,612.72
3/4	352.15	3/4	715.36	3/4	1,078.34	3/4	1,441.30	3/4	1,804.53	3/4	2,167.76	3/4	2,530.98	3/4	2,894.10	3/4	3,257.19	3/4	3,620.28

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP 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 INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,627.85	0	3,990.89	0	4,346.38	0	4,688.61	0	5,016.09	0		0		0		0		0	
1/4	3,635.41	1/4	3,998.42	1/4	4,353.64	1/4	4,695.59	1/4	5,022.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,642.98	1/2	4,005.96	1/2	4,360.90	1/2	4,702.57	1/2	5,029.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,650.54	3/4	4,013.49	3/4	4,368.15	3/4	4,709.55	3/4	5,035.90	3/4		3/4		3/4		3/4		3/4	
1	3,658.10	1	4,021.02	1	4,375.41	1	4,716.53	1	5,042.51	1		1		1		1		1	
1/4	3,665.67	1/4	4,028.53	1/4	4,382.64	1/4	4,723.46	1/4	5,049.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.23	1/2	4,036.04	1/2	4,389.87	1/2	4,730.39	1/2	5,055.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,680.80	3/4	4,043.55	3/4	4,397.11	3/4	4,737.33	3/4	5,062.25	3/4		3/4		3/4		3/4		3/4	
2	3,688.36	2	4,051.06	2	4,404.34	2	4,744.26	2	5,068.84	2		2		2		2		2	
1/4	3,695.93	1/4	4,058.55	1/4	4,411.55	1/4	4,751.16	1/4	5,075.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,703.49	1/2	4,066.03	1/2	4,418.76	1/2	4,758.07	1/2	5,081.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,711.06	3/4	4,073.52	3/4	4,425.97	3/4	4,764.97	3/4	5,088.51	3/4		3/4		3/4		3/4		3/4	
3	3,718.62	3	4,081.01	3	4,433.18	3	4,771.88	3	5,095.07	3		3		3		3		3	
1/4	3,726.18	1/4	4,088.47	1/4	4,440.37	1/4	4,778.76	1/4	5,101.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,733.75	1/2	4,095.93	1/2	4,447.56	1/2	4,785.64	1/2	5,108.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,741.31	3/4	4,103.40	3/4	4,454.74	3/4	4,792.52	3/4	5,114.68	3/4		3/4		3/4		3/4		3/4	
4	3,748.88	4	4,110.86	4	4,461.93	4	4,799.40	4	5,121.22	4		4		4		4		4	
1/4	3,756.44	1/4	4,118.30	1/4	4,469.10	1/4	4,806.26	1/4	5,127.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,764.01	1/2	4,125.74	1/2	4,476.26	1/2	4,813.12	1/2	5,134.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,771.57	3/4	4,133.18	3/4	4,483.42	3/4	4,819.98	3/4	5,140.76	3/4		3/4		3/4		3/4		3/4	
5	3,779.13	5	4,140.62	5	4,490.59	5	4,826.84	5	5,147.27	5		5		5		5		5	
1/4	3,786.70	1/4	4,148.04	1/4	4,497.73	1/4	4,833.68	1/4	5,154.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,794.26	1/2	4,155.46	1/2	4,504.87	1/2	4,840.51	1/2	5,161.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,801.83	3/4	4,162.88	3/4	4,512.01	3/4	4,847.35	3/4	5,168.89	3/4		3/4		3/4		3/4		3/4	
6	3,809.39	6	4,170.29	6	4,519.15	6	4,854.18	6	5,176.10	6		6		6		6		6	
1/4	3,816.96	1/4	4,177.69	1/4	4,526.27	1/4	4,861.00	1/4	5,182.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,824.52	1/2	4,185.08	1/2	4,533.39	1/2	4,867.81	1/2	5,188.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,832.09	3/4	4,192.48	3/4	4,540.51	3/4	4,874.62	3/4	5,195.13	3/4		3/4		3/4		3/4		3/4	
7	3,839.65	7	4,199.87	7	4,547.63	7	4,881.43	7	5,201.47	7		7		7		7		7	
1/4	3,847.21	1/4	4,207.24	1/4	4,554.72	1/4	4,888.22	1/4	5,206.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,854.78	1/2	4,214.62	1/2	4,561.82	1/2	4,895.01	1/2	5,211.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,862.34	3/4	4,221.99	3/4	4,568.91	3/4	4,901.80	3/4	5,216.85	3/4		3/4		3/4		3/4		3/4	
8	3,869.91	8	4,229.36	8	4,576.01	8	4,908.59	8	5,221.98	8		8		8		8		8	
1/4	3,877.47	1/4	4,236.71	1/4	4,583.08	1/4	4,915.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,885.04	1/2	4,244.06	1/2	4,590.15	1/2	4,922.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,892.60	3/4	4,251.40	3/4	4,597.22	3/4	4,928.89	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,900.17	9	4,258.75	9	4,604.30	9	4,935.66	9		9		9		9		9		9	
1/4	3,907.73	1/4	4,266.08	1/4	4,611.35	1/4	4,942.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,915.29	1/2	4,273.40	1/2	4,618.40	1/2	4,949.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,922.86	3/4	4,280.73	3/4	4,625.44	3/4	4,955.90	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,930.42	10	4,288.05	10	4,632.49	10	4,962.64	10		10		10		10		10		10	
1/4	3,937.99	1/4	4,295.36	1/4	4,639.52	1/4	4,969.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,945.55	1/2	4,302.66	1/2	4,646.55	1/2	4,976.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,953.12	3/4	4,309.96	3/4	4,653.57	3/4	4,982.81	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,960.68	11	4,317.26	11	4,660.60	11	4,989.54	11		11		11		11		11		11	
1/4	3,968.23	1/4	4,324.54	1/4	4,667.60	1/4	4,996.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,975.79	1/2	4,331.82	1/2	4,674.60	1/2	5,002.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,983.34	3/4	4,339.10	3/4	4,681.61	3/4	5,009.45	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"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	21.41	0	359.52	0	722.54	0	1,084.40	0	1,446.21	0	1,809.24	0	2,172.27	0	2,535.29	0	2,898.24	0	3,261.13
1/4	25.67	1/4	367.09	1/4	730.10	1/4	1,091.91	1/4	1,453.77	1/4	1,816.80	1/4	2,179.83	1/4	2,542.86	1/4	2,905.80	1/4	3,268.69
1/2	29.92	1/2	374.65	1/2	737.66	1/2	1,099.42	1/2	1,461.33	1/2	1,824.36	1/2	2,187.39	1/2	2,550.42	1/2	2,913.36	1/2	3,276.25
3/4	34.17	3/4	382.21	3/4	745.23	3/4	1,106.93	3/4	1,468.90	3/4	1,831.93	3/4	2,194.95	3/4	2,557.98	3/4	2,920.92	3/4	3,283.82
1	38.42	1	389.78	1	752.79	1	1,114.44	1	1,476.46	1	1,839.49	1	2,202.52	1	2,565.55	1	2,928.48	1	3,291.38
1/4	43.94	1/4	397.34	1/4	760.35	1/4	1,121.95	1/4	1,484.02	1/4	1,847.05	1/4	2,210.08	1/4	2,573.11	1/4	2,936.04	1/4	3,298.94
1/2	49.45	1/2	404.90	1/2	767.92	1/2	1,129.47	1/2	1,491.59	1/2	1,854.61	1/2	2,217.64	1/2	2,580.67	1/2	2,943.60	1/2	3,306.50
3/4	54.97	3/4	412.46	3/4	775.48	3/4	1,136.98	3/4	1,499.15	3/4	1,862.18	3/4	2,225.21	3/4	2,588.24	3/4	2,951.16	3/4	3,314.06
2	60.48	2	420.03	2	783.04	2	1,144.49	2	1,506.71	2	1,869.74	2	2,232.77	2	2,595.80	2	2,958.72	2	3,321.62
1/4	67.25	1/4	427.59	1/4	790.60	1/4	1,152.00	1/4	1,514.28	1/4	1,877.30	1/4	2,240.33	1/4	2,603.36	1/4	2,966.28	1/4	3,329.18
1/2	74.03	1/2	435.15	1/2	798.17	1/2	1,159.51	1/2	1,521.84	1/2	1,884.87	1/2	2,247.90	1/2	2,610.92	1/2	2,973.84	1/2	3,336.74
3/4	80.80	3/4	442.72	3/4	805.73	3/4	1,167.02	3/4	1,529.40	3/4	1,892.43	3/4	2,255.46	3/4	2,618.49	3/4	2,981.40	3/4	3,344.30
3	87.58	3	450.28	3	813.29	3	1,174.53	3	1,536.96	3	1,899.99	3	2,263.02	3	2,626.05	3	2,988.96	3	3,351.86
1/4	95.06	1/4	457.84	1/4	820.86	1/4	1,182.05	1/4	1,544.53	1/4	1,907.56	1/4	2,270.59	1/4	2,633.61	1/4	2,996.52	1/4	3,359.42
1/2	102.55	1/2	465.40	1/2	828.42	1/2	1,189.56	1/2	1,552.09	1/2	1,915.12	1/2	2,278.15	1/2	2,641.18	1/2	3,004.08	1/2	3,366.98
3/4	110.03	3/4	472.97	3/4	835.98	3/4	1,197.07	3/4	1,559.65	3/4	1,922.68	3/4	2,285.71	3/4	2,648.74	3/4	3,011.64	3/4	3,374.54
4	117.52	4	480.53	4	843.54	4	1,204.58	4	1,567.22	4	1,930.25	4	2,293.27	4	2,656.30	4	3,019.20	4	3,382.10
1/4	125.08	1/4	488.09	1/4	851.11	1/4	1,212.09	1/4	1,574.78	1/4	1,937.81	1/4	2,300.84	1/4	2,663.86	1/4	3,026.76	1/4	3,389.66
1/2	132.64	1/2	495.66	1/2	858.67	1/2	1,219.60	1/2	1,582.34	1/2	1,945.37	1/2	2,308.40	1/2	2,671.42	1/2	3,034.32	1/2	3,397.22
3/4	140.20	3/4	503.22	3/4	866.23	3/4	1,227.11	3/4	1,589.91	3/4	1,952.94	3/4	2,315.96	3/4	2,678.98	3/4	3,041.88	3/4	3,404.78
5	147.77	5	510.78	5	873.80	5	1,234.63	5	1,597.47	5	1,960.50	5	2,323.53	5	2,686.54	5	3,049.44	5	3,412.34
1/4	155.33	1/4	518.34	1/4	881.36	1/4	1,242.15	1/4	1,605.03	1/4	1,968.06	1/4	2,331.09	1/4	2,694.10	1/4	3,057.00	1/4	3,419.90
1/2	162.89	1/2	525.91	1/2	888.92	1/2	1,249.67	1/2	1,612.60	1/2	1,975.62	1/2	2,338.65	1/2	2,701.66	1/2	3,064.56	1/2	3,427.46
3/4	170.45	3/4	533.47	3/4	896.48	3/4	1,257.19	3/4	1,620.16	3/4	1,983.19	3/4	2,346.22	3/4	2,709.23	3/4	3,072.12	3/4	3,435.02
6	178.02	6	541.03	6	904.05	6	1,264.71	6	1,627.72	6	1,990.75	6	2,353.78	6	2,716.79	6	3,079.68	6	3,442.58
1/4	185.58	1/4	548.59	1/4	911.58	1/4	1,272.27	1/4	1,635.28	1/4	1,998.31	1/4	2,361.34	1/4	2,724.35	1/4	3,087.24	1/4	3,450.14
1/2	193.14	1/2	556.16	1/2	919.11	1/2	1,279.83	1/2	1,642.85	1/2	2,005.88	1/2	2,368.91	1/2	2,731.91	1/2	3,094.81	1/2	3,457.70
3/4	200.71	3/4	563.72	3/4	926.64	3/4	1,287.39	3/4	1,650.41	3/4	2,013.44	3/4	2,376.47	3/4	2,739.47	3/4	3,102.37	3/4	3,465.26
7	208.27	7	571.28	7	934.16	7	1,294.95	7	1,657.97	7	2,021.00	7	2,384.03	7	2,747.03	7	3,109.93	7	3,472.83
1/4	215.83	1/4	578.85	1/4	941.68	1/4	1,302.51	1/4	1,665.54	1/4	2,028.57	1/4	2,391.59	1/4	2,754.59	1/4	3,117.49	1/4	3,480.39
1/2	223.39	1/2	586.41	1/2	949.19	1/2	1,310.07	1/2	1,673.10	1/2	2,036.13	1/2	2,399.16	1/2	2,762.15	1/2	3,125.05	1/2	3,487.95
3/4	230.96	3/4	593.97	3/4	956.70	3/4	1,317.63	3/4	1,680.66	3/4	2,043.69	3/4	2,406.72	3/4	2,769.71	3/4	3,132.61	3/4	3,495.51
8	238.52	8	601.53	8	964.22	8	1,325.20	8	1,688.23	8	2,051.26	8	2,414.28	8	2,777.27	8	3,140.17	8	3,503.07
1/4	246.08	1/4	609.10	1/4	971.73	1/4	1,332.76	1/4	1,695.79	1/4	2,058.82	1/4	2,421.85	1/4	2,784.83	1/4	3,147.73	1/4	3,510.63
1/2	253.65	1/2	616.66	1/2	979.24	1/2	1,340.32	1/2	1,703.35	1/2	2,066.38	1/2	2,429.41	1/2	2,792.39	1/2	3,155.29	1/2	3,518.19
3/4	261.21	3/4	624.22	3/4	986.75	3/4	1,347.89	3/4	1,710.92	3/4	2,073.94	3/4	2,436.97	3/4	2,799.95	3/4	3,162.85	3/4	3,525.75
9	268.77	9	631.79	9	994.26	9	1,355.45	9	1,718.48	9	2,081.51	9	2,444.54	9	2,807.51	9	3,170.41	9	3,533.31
1/4	276.33	1/4	639.35	1/4	1,001.77	1/4	1,363.01	1/4	1,726.04	1/4	2,089.07	1/4	2,452.10	1/4	2,815.07	1/4	3,177.97	1/4	3,540.87
1/2	283.90	1/2	646.91	1/2	1,009.28	1/2	1,370.58	1/2	1,733.61	1/2	2,096.63	1/2	2,459.66	1/2	2,822.63	1/2	3,185.53	1/2	3,548.43
3/4	291.46	3/4	654.47	3/4	1,016.80	3/4	1,378.14	3/4	1,741.17	3/4	2,104.20	3/4	2,467.23	3/4	2,830.19	3/4	3,193.09	3/4	3,555.99
10	299.02	10	662.04	10	1,024.31	10	1,385.70	10	1,748.73	10	2,111.76	10	2,474.79	10	2,837.75	10	3,200.65	10	3,563.55
1/4	306.59	1/4	669.60	1/4	1,031.82	1/4	1,393.27	1/4	1,756.29	1/4	2,119.32	1/4	2,482.35	1/4	2,845.31	1/4	3,208.21	1/4	3,571.11
1/2	314.15	1/2	677.16	1/2	1,039.33	1/2	1,400.83	1/2	1,763.86	1/2	2,126.89	1/2	2,489.92	1/2	2,852.87	1/2	3,215.77	1/2	3,578.67
3/4	321.71	3/4	684.73	3/4	1,046.84	3/4	1,408.39	3/4	1,771.42	3/4	2,134.45	3/4	2,497.48	3/4	2,860.43	3/4	3,223.33	3/4	3,586.23
11	329.27	11	692.29	11	1,054.35	11	1,415.96	11	1,778.98	11	2,142.01	11	2,505.04	11	2,867.99	11	3,230.89	11	3,593.79
1/4	336.84	1/4	699.85	1/4	1,061.86	1/4	1,423.52	1/4	1,786.55	1/4	2,149.58	1/4	2,512.60	1/4	2,875.55	1/4	3,238.45	1/4	3,601.35
1/2	344.40	1/2	707.41	1/2	1,069.38	1/2	1,431.08	1/2	1,794.11	1/2	2,157.14	1/2	2,520.17	1/2	2,883.11	1/2	3,246.01	1/2	3,608.91
3/4	351.96	3/4	714.98	3/4	1,076.89	3/4	1,438.64	3/4	1,801.67	3/4	2,164.70	3/4	2,527.73	3/4	2,890.67	3/4	3,253.57	3/4	3,616.47

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP 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 INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,624.03	0	3,986.89	0	4,342.20	0	4,684.26	0	5,011.59	0		0		0		0		0	
1/4	3,631.59	1/4	3,994.42	1/4	4,349.45	1/4	4,691.24	1/4	5,018.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,639.15	1/2	4,001.94	1/2	4,356.70	1/2	4,698.22	1/2	5,024.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,646.71	3/4	4,009.47	3/4	4,363.96	3/4	4,705.19	3/4	5,031.40	3/4		3/4		3/4		3/4		3/4	
1	3,654.27	1	4,017.00	1	4,371.21	1	4,712.17	1	5,038.00	1		1		1		1		1	
1/4	3,661.84	1/4	4,024.51	1/4	4,378.44	1/4	4,719.10	1/4	5,044.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,669.40	1/2	4,032.01	1/2	4,385.67	1/2	4,726.03	1/2	5,051.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.96	3/4	4,039.52	3/4	4,392.90	3/4	4,732.96	3/4	5,057.74	3/4		3/4		3/4		3/4		3/4	
2	3,684.52	2	4,047.02	2	4,400.13	2	4,739.88	2	5,064.32	2		2		2		2		2	
1/4	3,692.08	1/4	4,054.51	1/4	4,407.33	1/4	4,746.79	1/4	5,070.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,699.64	1/2	4,061.99	1/2	4,414.54	1/2	4,753.69	1/2	5,077.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,707.20	3/4	4,069.47	3/4	4,421.75	3/4	4,760.59	3/4	5,083.99	3/4		3/4		3/4		3/4		3/4	
3	3,714.76	3	4,076.96	3	4,428.95	3	4,767.49	3	5,090.55	3		3		3		3		3	
1/4	3,722.32	1/4	4,084.42	1/4	4,436.14	1/4	4,774.37	1/4	5,097.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,729.88	1/2	4,091.88	1/2	4,443.32	1/2	4,781.25	1/2	5,103.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,737.44	3/4	4,099.34	3/4	4,450.51	3/4	4,788.13	3/4	5,110.15	3/4		3/4		3/4		3/4		3/4	
4	3,745.00	4	4,106.80	4	4,457.69	4	4,795.01	4	5,116.68	4		4		4		4		4	
1/4	3,752.56	1/4	4,114.23	1/4	4,464.85	1/4	4,801.86	1/4	5,123.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,760.12	1/2	4,121.67	1/2	4,472.01	1/2	4,808.72	1/2	5,129.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,767.68	3/4	4,129.11	3/4	4,479.17	3/4	4,815.57	3/4	5,136.22	3/4		3/4		3/4		3/4		3/4	
5	3,775.24	5	4,136.54	5	4,486.33	5	4,822.43	5	5,142.73	5		5		5		5		5	
1/4	3,782.80	1/4	4,143.96	1/4	4,493.47	1/4	4,829.26	1/4	5,149.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,790.36	1/2	4,151.37	1/2	4,500.61	1/2	4,836.10	1/2	5,157.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,797.92	3/4	4,158.78	3/4	4,507.75	3/4	4,842.93	3/4	5,164.34	3/4		3/4		3/4		3/4		3/4	
6	3,805.48	6	4,166.20	6	4,514.89	6	4,849.76	6	5,171.54	6		6		6		6		6	
1/4	3,813.04	1/4	4,173.59	1/4	4,522.00	1/4	4,856.57	1/4	5,177.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,820.60	1/2	4,180.98	1/2	4,529.12	1/2	4,863.38	1/2	5,184.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,828.16	3/4	4,188.37	3/4	4,536.23	3/4	4,870.19	3/4	5,190.56	3/4		3/4		3/4		3/4		3/4	
7	3,835.72	7	4,195.76	7	4,543.34	7	4,877.00	7	5,196.89	7		7		7		7		7	
1/4	3,843.28	1/4	4,203.13	1/4	4,550.44	1/4	4,883.79	1/4	5,202.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,850.85	1/2	4,210.50	1/2	4,557.53	1/2	4,890.57	1/2	5,207.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,858.41	3/4	4,217.86	3/4	4,564.62	3/4	4,897.36	3/4	5,212.26	3/4		3/4		3/4		3/4		3/4	
8	3,865.97	8	4,225.23	8	4,571.71	8	4,904.15	8	5,217.39	8		8		8		8		8	
1/4	3,873.53	1/4	4,232.58	1/4	4,578.78	1/4	4,910.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,881.09	1/2	4,239.92	1/2	4,585.85	1/2	4,917.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,888.65	3/4	4,247.27	3/4	4,592.92	3/4	4,924.44	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,896.21	9	4,254.61	9	4,599.99	9	4,931.20	9		9		9		9		9		9	
1/4	3,903.77	1/4	4,261.93	1/4	4,607.03	1/4	4,937.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,911.33	1/2	4,269.25	1/2	4,614.08	1/2	4,944.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,918.89	3/4	4,276.58	3/4	4,621.13	3/4	4,951.43	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,926.45	10	4,283.90	10	4,628.17	10	4,958.17	10		10		10		10		10		10	
1/4	3,934.01	1/4	4,291.20	1/4	4,635.19	1/4	4,964.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,941.57	1/2	4,298.50	1/2	4,642.22	1/2	4,971.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,949.13	3/4	4,305.79	3/4	4,649.24	3/4	4,978.34	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,956.69	11	4,313.09	11	4,656.26	11	4,985.06	11		11		11		11		11		11	
1/4	3,964.24	1/4	4,320.37	1/4	4,663.26	1/4	4,991.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,971.79	1/2	4,327.65	1/2	4,670.26	1/2	4,998.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,979.34	3/4	4,334.92	3/4	4,677.26	3/4	5,004.96	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 INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	21.34	0	358.31	0	720.09	0	1,081.64	0	1,443.19	0	1,804.99	0	2,166.79	0	2,528.59	0	2,890.29	0	3,251.95
1/4	25.58	1/4	365.84	1/4	727.63	1/4	1,089.17	1/4	1,450.73	1/4	1,812.53	1/4	2,174.33	1/4	2,536.13	1/4	2,897.82	1/4	3,259.49
1/2	29.82	1/2	373.38	1/2	735.17	1/2	1,096.69	1/2	1,458.26	1/2	1,820.06	1/2	2,181.86	1/2	2,543.66	1/2	2,905.35	1/2	3,267.02
3/4	34.06	3/4	380.92	3/4	742.70	3/4	1,104.22	3/4	1,465.80	3/4	1,827.60	3/4	2,189.40	3/4	2,551.20	3/4	2,912.89	3/4	3,274.55
1	38.30	1	388.46	1	750.24	1	1,111.74	1	1,473.34	1	1,835.14	1	2,196.94	1	2,558.74	1	2,920.42	1	3,282.09
1/4	43.79	1/4	395.99	1/4	757.78	1/4	1,119.27	1/4	1,480.88	1/4	1,842.68	1/4	2,204.48	1/4	2,566.28	1/4	2,927.96	1/4	3,289.62
1/2	49.29	1/2	403.53	1/2	765.32	1/2	1,126.79	1/2	1,488.41	1/2	1,850.21	1/2	2,212.01	1/2	2,573.81	1/2	2,935.49	1/2	3,297.16
3/4	54.78	3/4	411.07	3/4	772.85	3/4	1,134.32	3/4	1,495.95	3/4	1,857.75	3/4	2,219.55	3/4	2,581.35	3/4	2,943.03	3/4	3,304.69
2	60.28	2	418.60	2	780.39	2	1,141.84	2	1,503.49	2	1,865.29	2	2,227.09	2	2,588.89	2	2,950.56	2	3,312.23
1/4	67.03	1/4	426.14	1/4	787.93	1/4	1,149.37	1/4	1,511.03	1/4	1,872.83	1/4	2,234.63	1/4	2,596.43	1/4	2,958.10	1/4	3,319.76
1/2	73.78	1/2	433.68	1/2	795.46	1/2	1,156.89	1/2	1,518.56	1/2	1,880.36	1/2	2,242.16	1/2	2,603.96	1/2	2,965.63	1/2	3,327.30
3/4	80.53	3/4	441.22	3/4	803.00	3/4	1,164.42	3/4	1,526.10	3/4	1,887.90	3/4	2,249.70	3/4	2,611.50	3/4	2,973.17	3/4	3,334.83
3	87.28	3	448.75	3	810.54	3	1,171.94	3	1,533.64	3	1,895.44	3	2,257.24	3	2,619.04	3	2,980.70	3	3,342.37
1/4	94.74	1/4	456.29	1/4	818.08	1/4	1,179.47	1/4	1,541.18	1/4	1,902.98	1/4	2,264.78	1/4	2,626.57	1/4	2,988.24	1/4	3,349.90
1/2	102.20	1/2	463.83	1/2	825.61	1/2	1,186.99	1/2	1,548.71	1/2	1,910.51	1/2	2,272.31	1/2	2,634.11	1/2	2,995.77	1/2	3,357.44
3/4	109.66	3/4	471.37	3/4	833.15	3/4	1,194.52	3/4	1,556.25	3/4	1,918.05	3/4	2,279.85	3/4	2,641.64	3/4	3,003.31	3/4	3,364.97
4	117.12	4	478.90	4	840.69	4	1,202.05	4	1,563.79	4	1,925.59	4	2,287.39	4	2,649.17	4	3,010.84	4	3,372.51
1/4	124.65	1/4	486.44	1/4	848.23	1/4	1,209.57	1/4	1,571.33	1/4	1,933.13	1/4	2,294.93	1/4	2,656.71	1/4	3,018.38	1/4	3,380.04
1/2	132.19	1/2	493.98	1/2	855.76	1/2	1,217.10	1/2	1,578.86	1/2	1,940.66	1/2	2,302.46	1/2	2,664.24	1/2	3,025.91	1/2	3,387.58
3/4	139.73	3/4	501.51	3/4	863.30	3/4	1,224.62	3/4	1,586.40	3/4	1,948.20	3/4	2,310.00	3/4	2,671.78	3/4	3,033.44	3/4	3,395.11
5	147.27	5	509.05	5	870.84	5	1,232.15	5	1,593.94	5	1,955.74	5	2,317.54	5	2,679.31	5	3,040.98	5	3,402.64
1/4	154.80	1/4	516.59	1/4	878.37	1/4	1,239.68	1/4	1,601.48	1/4	1,963.28	1/4	2,325.08	1/4	2,686.85	1/4	3,048.51	1/4	3,410.18
1/2	162.34	1/2	524.13	1/2	885.91	1/2	1,247.22	1/2	1,609.01	1/2	1,970.81	1/2	2,332.61	1/2	2,694.38	1/2	3,056.05	1/2	3,417.71
3/4	169.88	3/4	531.66	3/4	893.45	3/4	1,254.75	3/4	1,616.55	3/4	1,978.35	3/4	2,340.15	3/4	2,701.92	3/4	3,063.58	3/4	3,425.25
6	177.41	6	539.20	6	900.99	6	1,262.29	6	1,624.09	6	1,985.89	6	2,347.69	6	2,709.45	6	3,071.12	6	3,432.78
1/4	184.95	1/4	546.74	1/4	908.52	1/4	1,269.83	1/4	1,631.63	1/4	1,993.43	1/4	2,355.23	1/4	2,716.99	1/4	3,078.65	1/4	3,440.32
1/2	192.49	1/2	554.27	1/2	916.06	1/2	1,277.36	1/2	1,639.16	1/2	2,000.96	1/2	2,362.76	1/2	2,724.52	1/2	3,086.19	1/2	3,447.85
3/4	200.03	3/4	561.81	3/4	923.60	3/4	1,284.90	3/4	1,646.70	3/4	2,008.50	3/4	2,370.30	3/4	2,732.06	3/4	3,093.72	3/4	3,455.39
7	207.56	7	569.35	7	931.13	7	1,292.44	7	1,654.24	7	2,016.04	7	2,377.84	7	2,739.59	7	3,101.26	7	3,462.92
1/4	215.10	1/4	576.89	1/4	938.66	1/4	1,299.98	1/4	1,661.78	1/4	2,023.58	1/4	2,385.38	1/4	2,747.13	1/4	3,108.79	1/4	3,470.46
1/2	222.64	1/2	584.42	1/2	946.19	1/2	1,307.51	1/2	1,669.31	1/2	2,031.11	1/2	2,392.91	1/2	2,754.66	1/2	3,116.33	1/2	3,477.99
3/4	230.17	3/4	591.96	3/4	953.71	3/4	1,315.05	3/4	1,676.85	3/4	2,038.65	3/4	2,400.45	3/4	2,762.20	3/4	3,123.86	3/4	3,485.53
8	237.71	8	599.50	8	961.24	8	1,322.59	8	1,684.39	8	2,046.19	8	2,407.99	8	2,769.73	8	3,131.40	8	3,493.06
1/4	245.25	1/4	607.03	1/4	968.76	1/4	1,330.13	1/4	1,691.93	1/4	2,053.73	1/4	2,415.53	1/4	2,777.26	1/4	3,138.93	1/4	3,500.60
1/2	252.79	1/2	614.57	1/2	976.29	1/2	1,337.66	1/2	1,699.46	1/2	2,061.26	1/2	2,423.06	1/2	2,784.80	1/2	3,146.46	1/2	3,508.13
3/4	260.32	3/4	622.11	3/4	983.81	3/4	1,345.20	3/4	1,707.00	3/4	2,068.80	3/4	2,430.60	3/4	2,792.33	3/4	3,154.00	3/4	3,515.67
9	267.86	9	629.65	9	991.34	9	1,352.74	9	1,714.54	9	2,076.34	9	2,438.14	9	2,799.87	9	3,161.53	9	3,523.20
1/4	275.40	1/4	637.18	1/4	998.86	1/4	1,360.28	1/4	1,722.08	1/4	2,083.88	1/4	2,445.68	1/4	2,807.40	1/4	3,169.07	1/4	3,530.73
1/2	282.94	1/2	644.72	1/2	1,006.39	1/2	1,367.81	1/2	1,729.61	1/2	2,091.41	1/2	2,453.21	1/2	2,814.94	1/2	3,176.60	1/2	3,538.27
3/4	290.47	3/4	652.26	3/4	1,013.92	3/4	1,375.35	3/4	1,737.15	3/4	2,098.95	3/4	2,460.75	3/4	2,822.47	3/4	3,184.14	3/4	3,545.80
10	298.01	10	659.80	10	1,021.44	10	1,382.89	10	1,744.69	10	2,106.49	10	2,468.29	10	2,830.01	10	3,191.67	10	3,553.34
1/4	305.55	1/4	667.33	1/4	1,028.97	1/4	1,390.43	1/4	1,752.23	1/4	2,114.03	1/4	2,475.83	1/4	2,837.54	1/4	3,199.21	1/4	3,560.87
1/2	313.08	1/2	674.87	1/2	1,036.49	1/2	1,397.96	1/2	1,759.76	1/2	2,121.56	1/2	2,483.36	1/2	2,845.08	1/2	3,206.74	1/2	3,568.41
3/4	320.62	3/4	682.41	3/4	1,044.02	3/4	1,405.50	3/4	1,767.30	3/4	2,129.10	3/4	2,490.90	3/4	2,852.61	3/4	3,214.28	3/4	3,575.94
11	328.16	11	689.94	11	1,051.54	11	1,413.04	11	1,774.84	11	2,136.64	11	2,498.44	11	2,860.15	11	3,221.81	11	3,583.48
1/4	335.70	1/4	697.48	1/4	1,059.07	1/4	1,420.58	1/4	1,782.38	1/4	2,144.18	1/4	2,505.98	1/4	2,867.68	1/4	3,229.35	1/4	3,591.01
1/2	343.23	1/2	705.02	1/2	1,066.59	1/2	1,428.11	1/2	1,789.91	1/2	2,151.71	1/2	2,513.51	1/2	2,875.22	1/2	3,236.88	1/2	3,598.55
3/4	350.77	3/4	712.56	3/4	1,074.12	3/4	1,435.65	3/4	1,797.45	3/4	2,159.25	3/4	2,521.05	3/4	2,882.75	3/4	3,244.42	3/4	3,606.08

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP 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 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,613.62	0	3,975.24	0	4,329.32	0	4,670.17	0	4,996.28	0		0		0		0		0	
1/4	3,621.15	1/4	3,982.74	1/4	4,336.55	1/4	4,677.12	1/4	5,002.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,628.69	1/2	3,990.25	1/2	4,343.78	1/2	4,684.07	1/2	5,009.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,636.22	3/4	3,997.75	3/4	4,351.00	3/4	4,691.02	3/4	5,016.02	3/4		3/4		3/4		3/4		3/4	
1	3,643.76	1	4,005.25	1	4,358.23	1	4,697.97	1	5,022.59	1		1		1		1		1	
1/4	3,651.29	1/4	4,012.73	1/4	4,365.44	1/4	4,704.88	1/4	5,029.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,658.82	1/2	4,020.21	1/2	4,372.64	1/2	4,711.78	1/2	5,035.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,666.36	3/4	4,027.69	3/4	4,379.85	3/4	4,718.68	3/4	5,042.26	3/4		3/4		3/4		3/4		3/4	
2	3,673.89	2	4,035.17	2	4,387.05	2	4,725.59	2	5,048.81	2		2		2		2		2	
1/4	3,681.43	1/4	4,042.63	1/4	4,394.23	1/4	4,732.46	1/4	5,055.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,688.96	1/2	4,050.09	1/2	4,401.41	1/2	4,739.34	1/2	5,061.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,696.50	3/4	4,057.55	3/4	4,408.59	3/4	4,746.22	3/4	5,068.41	3/4		3/4		3/4		3/4		3/4	
3	3,704.03	3	4,065.00	3	4,415.77	3	4,753.09	3	5,074.94	3		3		3		3		3	
1/4	3,711.57	1/4	4,072.44	1/4	4,422.93	1/4	4,759.95	1/4	5,081.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,719.10	1/2	4,079.87	1/2	4,430.09	1/2	4,766.80	1/2	5,087.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,726.64	3/4	4,087.31	3/4	4,437.25	3/4	4,773.65	3/4	5,094.46	3/4		3/4		3/4		3/4		3/4	
4	3,734.17	4	4,094.74	4	4,444.41	4	4,780.51	4	5,100.97	4		4		4		4		4	
1/4	3,741.71	1/4	4,102.15	1/4	4,451.54	1/4	4,787.34	1/4	5,107.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,749.24	1/2	4,109.56	1/2	4,458.68	1/2	4,794.17	1/2	5,113.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,756.78	3/4	4,116.97	3/4	4,465.81	3/4	4,801.00	3/4	5,120.43	3/4		3/4		3/4		3/4		3/4	
5	3,764.31	5	4,124.38	5	4,472.95	5	4,807.83	5	5,126.91	5		5		5		5		5	
1/4	3,771.85	1/4	4,131.77	1/4	4,480.06	1/4	4,814.64	1/4	5,133.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,779.38	1/2	4,139.16	1/2	4,487.17	1/2	4,821.44	1/2	5,141.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,786.91	3/4	4,146.55	3/4	4,494.29	3/4	4,828.25	3/4	5,148.45	3/4		3/4		3/4		3/4		3/4	
6	3,794.45	6	4,153.94	6	4,501.40	6	4,835.06	6	5,155.63	6		6		6		6		6	
1/4	3,801.98	1/4	4,161.30	1/4	4,508.49	1/4	4,841.84	1/4	5,161.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,809.52	1/2	4,168.67	1/2	4,515.58	1/2	4,848.63	1/2	5,168.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,817.05	3/4	4,176.03	3/4	4,522.67	3/4	4,855.41	3/4	5,174.58	3/4		3/4		3/4		3/4		3/4	
7	3,824.59	7	4,183.40	7	4,529.76	7	4,862.20	7	5,180.90	7		7		7		7		7	
1/4	3,832.12	1/4	4,190.74	1/4	4,536.82	1/4	4,868.96	1/4	5,186.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,839.66	1/2	4,198.08	1/2	4,543.89	1/2	4,875.72	1/2	5,191.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,847.19	3/4	4,205.42	3/4	4,550.96	3/4	4,882.48	3/4	5,196.22	3/4		3/4		3/4		3/4		3/4	
8	3,854.73	8	4,212.77	8	4,558.02	8	4,889.24	8	5,201.32	8		8		8		8		8	
1/4	3,862.26	1/4	4,220.09	1/4	4,565.07	1/4	4,895.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,869.80	1/2	4,227.41	1/2	4,572.11	1/2	4,902.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,877.33	3/4	4,234.72	3/4	4,579.15	3/4	4,909.46	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,884.87	9	4,242.04	9	4,586.20	9	4,916.20	9		9		9		9		9		9	
1/4	3,892.40	1/4	4,249.34	1/4	4,593.22	1/4	4,922.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,899.94	1/2	4,256.64	1/2	4,600.24	1/2	4,929.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,907.47	3/4	4,263.93	3/4	4,607.26	3/4	4,936.35	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,915.00	10	4,271.23	10	4,614.28	10	4,943.07	10		10		10		10		10		10	
1/4	3,922.54	1/4	4,278.50	1/4	4,621.28	1/4	4,949.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,930.07	1/2	4,285.78	1/2	4,628.27	1/2	4,956.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,937.61	3/4	4,293.05	3/4	4,635.27	3/4	4,963.15	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,945.14	11	4,300.32	11	4,642.27	11	4,969.85	11		11		11		11		11		11	
1/4	3,952.67	1/4	4,307.57	1/4	4,649.24	1/4	4,976.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,960.19	1/2	4,314.82	1/2	4,656.22	1/2	4,983.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,967.72	3/4	4,322.07	3/4	4,663.19	3/4	4,989.68	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"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.34	0	358.22	0	719.92	0	1,073.59	0	1,426.93	0	1,788.64	0	2,150.35	0	2,512.06	0	2,873.68	0	3,235.26
1/4	25.57	1/4	365.76	1/4	727.46	1/4	1,080.78	1/4	1,434.47	1/4	1,796.18	1/4	2,157.88	1/4	2,519.59	1/4	2,881.21	1/4	3,242.79
1/2	29.81	1/2	373.29	1/2	734.99	1/2	1,087.98	1/2	1,442.00	1/2	1,803.71	1/2	2,165.42	1/2	2,527.13	1/2	2,888.74	1/2	3,250.32
3/4	34.05	3/4	380.83	3/4	742.53	3/4	1,095.17	3/4	1,449.54	3/4	1,811.25	3/4	2,172.96	3/4	2,534.66	3/4	2,896.28	3/4	3,257.86
1	38.29	1	388.36	1	750.06	1	1,102.36	1	1,457.07	1	1,818.78	1	2,180.49	1	2,542.20	1	2,903.81	1	3,265.39
1/4	43.78	1/4	395.90	1/4	757.60	1/4	1,109.55	1/4	1,464.61	1/4	1,826.32	1/4	2,188.03	1/4	2,549.74	1/4	2,911.34	1/4	3,272.92
1/2	49.27	1/2	403.43	1/2	765.13	1/2	1,116.74	1/2	1,472.14	1/2	1,833.85	1/2	2,195.56	1/2	2,557.27	1/2	2,918.88	1/2	3,280.46
3/4	54.77	3/4	410.97	3/4	772.67	3/4	1,123.94	3/4	1,479.68	3/4	1,841.39	3/4	2,203.10	3/4	2,564.81	3/4	2,926.41	3/4	3,287.99
2	60.26	2	418.50	2	780.20	2	1,131.13	2	1,487.22	2	1,848.92	2	2,210.63	2	2,572.34	2	2,933.94	2	3,295.52
1/4	67.01	1/4	426.04	1/4	787.74	1/4	1,138.32	1/4	1,494.75	1/4	1,856.46	1/4	2,218.17	1/4	2,579.88	1/4	2,941.48	1/4	3,303.05
1/2	73.76	1/2	433.58	1/2	795.27	1/2	1,145.51	1/2	1,502.29	1/2	1,864.00	1/2	2,225.70	1/2	2,587.41	1/2	2,949.01	1/2	3,310.59
3/4	80.51	3/4	441.11	3/4	802.81	3/4	1,152.70	3/4	1,509.82	3/4	1,871.53	3/4	2,233.24	3/4	2,594.95	3/4	2,956.54	3/4	3,318.12
3	87.26	3	448.65	3	810.35	3	1,159.90	3	1,517.36	3	1,879.07	3	2,240.78	3	2,602.48	3	2,964.07	3	3,325.65
1/4	94.72	1/4	456.18	1/4	817.88	1/4	1,167.09	1/4	1,524.89	1/4	1,886.60	1/4	2,248.31	1/4	2,610.02	1/4	2,971.61	1/4	3,333.19
1/2	102.18	1/2	463.72	1/2	825.42	1/2	1,174.28	1/2	1,532.43	1/2	1,894.14	1/2	2,255.85	1/2	2,617.56	1/2	2,979.14	1/2	3,340.72
3/4	109.63	3/4	471.25	3/4	832.95	3/4	1,181.47	3/4	1,539.96	3/4	1,901.67	3/4	2,263.38	3/4	2,625.09	3/4	2,986.67	3/4	3,348.25
4	117.09	4	478.79	4	840.49	4	1,188.66	4	1,547.50	4	1,909.21	4	2,270.92	4	2,632.63	4	2,994.21	4	3,355.78
1/4	124.62	1/4	486.32	1/4	848.02	1/4	1,195.86	1/4	1,555.04	1/4	1,916.74	1/4	2,278.45	1/4	2,640.16	1/4	3,001.74	1/4	3,363.32
1/2	132.16	1/2	493.86	1/2	855.56	1/2	1,203.05	1/2	1,562.57	1/2	1,924.28	1/2	2,285.99	1/2	2,647.69	1/2	3,009.27	1/2	3,370.85
3/4	139.70	3/4	501.39	3/4	863.09	3/4	1,210.24	3/4	1,570.11	3/4	1,931.82	3/4	2,293.52	3/4	2,655.22	3/4	3,016.80	3/4	3,378.38
5	147.23	5	508.93	5	870.63	5	1,217.43	5	1,577.64	5	1,939.35	5	2,301.06	5	2,662.76	5	3,024.34	5	3,385.92
1/4	154.77	1/4	516.47	1/4	878.16	1/4	1,224.63	1/4	1,585.18	1/4	1,946.89	1/4	2,308.60	1/4	2,670.29	1/4	3,031.87	1/4	3,393.45
1/2	162.30	1/2	524.00	1/2	885.70	1/2	1,231.84	1/2	1,592.71	1/2	1,954.42	1/2	2,316.13	1/2	2,677.82	1/2	3,039.40	1/2	3,400.98
3/4	169.84	3/4	531.54	3/4	893.24	3/4	1,239.04	3/4	1,600.25	3/4	1,961.96	3/4	2,323.67	3/4	2,685.36	3/4	3,046.94	3/4	3,408.51
6	177.37	6	539.07	6	900.77	6	1,246.24	6	1,607.79	6	1,969.49	6	2,331.20	6	2,692.89	6	3,054.47	6	3,416.05
1/4	184.91	1/4	546.61	1/4	908.01	1/4	1,253.74	1/4	1,615.32	1/4	1,977.03	1/4	2,338.74	1/4	2,700.42	1/4	3,062.00	1/4	3,423.58
1/2	192.44	1/2	554.14	1/2	915.26	1/2	1,261.23	1/2	1,622.86	1/2	1,984.57	1/2	2,346.27	1/2	2,707.96	1/2	3,069.53	1/2	3,431.11
3/4	199.98	3/4	561.68	3/4	922.50	3/4	1,268.72	3/4	1,630.39	3/4	1,992.10	3/4	2,353.81	3/4	2,715.49	3/4	3,077.07	3/4	3,438.65
7	207.51	7	569.21	7	929.75	7	1,276.22	7	1,637.93	7	1,999.64	7	2,361.35	7	2,723.02	7	3,084.60	7	3,446.18
1/4	215.05	1/4	576.75	1/4	936.94	1/4	1,283.75	1/4	1,645.46	1/4	2,007.17	1/4	2,368.88	1/4	2,730.55	1/4	3,092.13	1/4	3,453.71
1/2	222.58	1/2	584.28	1/2	944.13	1/2	1,291.29	1/2	1,653.00	1/2	2,014.71	1/2	2,376.42	1/2	2,738.09	1/2	3,099.67	1/2	3,461.25
3/4	230.12	3/4	591.82	3/4	951.33	3/4	1,298.83	3/4	1,660.53	3/4	2,022.24	3/4	2,383.95	3/4	2,745.62	3/4	3,107.20	3/4	3,468.78
8	237.66	8	599.35	8	958.52	8	1,306.36	8	1,668.07	8	2,029.78	8	2,391.49	8	2,753.15	8	3,114.73	8	3,476.31
1/4	245.19	1/4	606.89	1/4	965.71	1/4	1,313.90	1/4	1,675.61	1/4	2,037.31	1/4	2,399.02	1/4	2,760.69	1/4	3,122.26	1/4	3,483.84
1/2	252.73	1/2	614.43	1/2	972.90	1/2	1,321.43	1/2	1,683.14	1/2	2,044.85	1/2	2,406.56	1/2	2,768.22	1/2	3,129.80	1/2	3,491.38
3/4	260.26	3/4	621.96	3/4	980.10	3/4	1,328.97	3/4	1,690.68	3/4	2,052.39	3/4	2,414.09	3/4	2,775.75	3/4	3,137.33	3/4	3,498.91
9	267.80	9	629.50	9	987.29	9	1,336.50	9	1,698.21	9	2,059.92	9	2,421.63	9	2,783.28	9	3,144.86	9	3,506.44
1/4	275.33	1/4	637.03	1/4	994.48	1/4	1,344.04	1/4	1,705.75	1/4	2,067.46	1/4	2,429.17	1/4	2,790.82	1/4	3,152.40	1/4	3,513.98
1/2	282.87	1/2	644.57	1/2	1,001.67	1/2	1,351.57	1/2	1,713.28	1/2	2,074.99	1/2	2,436.70	1/2	2,798.35	1/2	3,159.93	1/2	3,521.51
3/4	290.40	3/4	652.10	3/4	1,008.86	3/4	1,359.11	3/4	1,720.82	3/4	2,082.53	3/4	2,444.24	3/4	2,805.88	3/4	3,167.46	3/4	3,529.04
10	297.94	10	659.64	10	1,016.06	10	1,366.65	10	1,728.35	10	2,090.06	10	2,451.77	10	2,813.42	10	3,174.99	10	3,536.57
1/4	305.47	1/4	667.17	1/4	1,023.25	1/4	1,374.18	1/4	1,735.89	1/4	2,097.60	1/4	2,459.31	1/4	2,820.95	1/4	3,182.53	1/4	3,544.11
1/2	313.01	1/2	674.71	1/2	1,030.44	1/2	1,381.72	1/2	1,743.43	1/2	2,105.13	1/2	2,466.84	1/2	2,828.48	1/2	3,190.06	1/2	3,551.64
3/4	320.54	3/4	682.24	3/4	1,037.63	3/4	1,389.25	3/4	1,750.96	3/4	2,112.67	3/4	2,474.38	3/4	2,836.01	3/4	3,197.59	3/4	3,559.17
11	328.08	11	689.78	11	1,044.82	11	1,396.79	11	1,758.50	11	2,120.21	11	2,481.91	11	2,843.55	11	3,205.13	11	3,566.71
1/4	335.62	1/4	697.31	1/4	1,052.02	1/4	1,404.32	1/4	1,766.03	1/4	2,127.74	1/4	2,489.45	1/4	2,851.08	1/4	3,212.66	1/4	3,574.24
1/2	343.15	1/2	704.85	1/2	1,059.21	1/2	1,411.86	1/2	1,773.57	1/2	2,135.28	1/2	2,496.99	1/2	2,858.61	1/2	3,220.19	1/2	3,581.77
3/4	350.69	3/4	712.39	3/4	1,066.40	3/4	1,419.40	3/4	1,781.10	3/4	2,142.81	3/4	2,504.52	3/4	2,866.15	3/4	3,227.73	3/4	3,589.30

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP 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 INNAGE 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	3,596.84	0	3,958.37	0	4,312.36	0	4,653.12	0	4,979.14	0		0		0		0		0	
1/4	3,604.37	1/4	3,965.87	1/4	4,319.59	1/4	4,660.07	1/4	4,985.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,611.90	1/2	3,973.37	1/2	4,326.82	1/2	4,667.02	1/2	4,992.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,619.44	3/4	3,980.87	3/4	4,334.04	3/4	4,673.97	3/4	4,998.87	3/4		3/4		3/4		3/4		3/4	
1	3,626.97	1	3,988.38	1	4,341.27	1	4,680.92	1	5,005.45	1		1		1		1		1	
1/4	3,634.50	1/4	3,995.85	1/4	4,348.47	1/4	4,687.82	1/4	5,012.00	1/4		1/4		1/4		1/4		1/4	
1/2	3,642.03	1/2	4,003.33	1/2	4,355.67	1/2	4,694.72	1/2	5,018.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,649.57	3/4	4,010.81	3/4	4,362.87	3/4	4,701.62	3/4	5,025.10	3/4		3/4		3/4		3/4		3/4	
2	3,657.10	2	4,018.29	2	4,370.08	2	4,708.52	2	5,031.66	2		2		2		2		2	
1/4	3,664.63	1/4	4,025.74	1/4	4,377.26	1/4	4,715.40	1/4	5,038.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,672.17	1/2	4,033.20	1/2	4,384.43	1/2	4,722.27	1/2	5,044.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,679.70	3/4	4,040.66	3/4	4,391.61	3/4	4,729.15	3/4	5,051.24	3/4		3/4		3/4		3/4		3/4	
3	3,687.23	3	4,048.11	3	4,398.79	3	4,736.02	3	5,057.77	3		3		3		3		3	
1/4	3,694.77	1/4	4,055.54	1/4	4,405.95	1/4	4,742.87	1/4	5,064.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,702.30	1/2	4,062.98	1/2	4,413.11	1/2	4,749.72	1/2	5,070.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,709.83	3/4	4,070.41	3/4	4,420.26	3/4	4,756.57	3/4	5,077.29	3/4		3/4		3/4		3/4		3/4	
4	3,717.36	4	4,077.84	4	4,427.42	4	4,763.43	4	5,083.80	4		4		4		4		4	
1/4	3,724.90	1/4	4,085.25	1/4	4,434.55	1/4	4,770.25	1/4	5,090.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,732.43	1/2	4,092.66	1/2	4,441.69	1/2	4,777.08	1/2	5,096.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,739.96	3/4	4,100.07	3/4	4,448.82	3/4	4,783.91	3/4	5,103.25	3/4		3/4		3/4		3/4		3/4	
5	3,747.50	5	4,107.48	5	4,455.95	5	4,790.74	5	5,109.73	5		5		5		5		5	
1/4	3,755.03	1/4	4,114.86	1/4	4,463.06	1/4	4,797.55	1/4	5,116.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,762.56	1/2	4,122.25	1/2	4,470.17	1/2	4,804.35	1/2	5,124.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,770.09	3/4	4,129.64	3/4	4,477.29	3/4	4,811.16	3/4	5,131.27	3/4		3/4		3/4		3/4		3/4	
6	3,777.63	6	4,137.02	6	4,484.40	6	4,817.96	6	5,138.45	6		6		6		6		6	
1/4	3,785.16	1/4	4,144.39	1/4	4,491.48	1/4	4,824.75	1/4	5,144.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,792.69	1/2	4,151.75	1/2	4,498.57	1/2	4,831.53	1/2	5,151.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,800.23	3/4	4,159.11	3/4	4,505.66	3/4	4,838.31	3/4	5,157.40	3/4		3/4		3/4		3/4		3/4	
7	3,807.76	7	4,166.48	7	4,512.75	7	4,845.09	7	5,163.71	7		7		7		7		7	
1/4	3,815.29	1/4	4,173.82	1/4	4,519.81	1/4	4,851.85	1/4	5,168.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,822.82	1/2	4,181.16	1/2	4,526.88	1/2	4,858.61	1/2	5,173.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,830.36	3/4	4,188.50	3/4	4,533.94	3/4	4,865.37	3/4	5,179.03	3/4		3/4		3/4		3/4		3/4	
8	3,837.89	8	4,195.84	8	4,541.00	8	4,872.13	8	5,184.13	8		8		8		8		8	
1/4	3,845.42	1/4	4,203.16	1/4	4,548.05	1/4	4,878.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,852.96	1/2	4,210.47	1/2	4,555.09	1/2	4,885.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,860.49	3/4	4,217.79	3/4	4,562.13	3/4	4,892.34	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,868.02	9	4,225.11	9	4,569.17	9	4,899.08	9		9		9		9		9		9	
1/4	3,875.55	1/4	4,232.40	1/4	4,576.19	1/4	4,905.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,883.09	1/2	4,239.70	1/2	4,583.21	1/2	4,912.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,890.62	3/4	4,246.99	3/4	4,590.23	3/4	4,919.23	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,898.15	10	4,254.28	10	4,597.25	10	4,925.94	10		10		10		10		10		10	
1/4	3,905.69	1/4	4,261.56	1/4	4,604.24	1/4	4,932.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,913.22	1/2	4,268.83	1/2	4,611.24	1/2	4,939.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,920.75	3/4	4,276.10	3/4	4,618.23	3/4	4,946.02	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,928.28	11	4,283.37	11	4,625.23	11	4,952.71	11		11		11		11		11		11	
1/4	3,935.81	1/4	4,290.62	1/4	4,632.20	1/4	4,959.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,943.33	1/2	4,297.87	1/2	4,639.17	1/2	4,965.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,950.85	3/4	4,305.12	3/4	4,646.15	3/4	4,972.54	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"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.24	0	356.61	0	716.67	0	1,076.54	0	1,436.45	0	1,796.52	0	2,156.58	0	2,516.58	0	2,876.38	0	3,235.30
1/4	25.46	1/4	364.11	1/4	724.17	1/4	1,084.03	1/4	1,443.95	1/4	1,804.03	1/4	2,164.08	1/4	2,524.08	1/4	2,883.87	1/4	3,242.75
1/2	29.68	1/2	371.61	1/2	731.67	1/2	1,091.52	1/2	1,451.45	1/2	1,811.53	1/2	2,171.58	1/2	2,531.58	1/2	2,891.35	1/2	3,250.20
3/4	33.90	3/4	379.11	3/4	739.17	3/4	1,099.01	3/4	1,458.95	3/4	1,819.03	3/4	2,179.08	3/4	2,539.08	3/4	2,898.84	3/4	3,257.66
1	38.12	1	386.61	1	746.67	1	1,106.51	1	1,466.45	1	1,826.53	1	2,186.58	1	2,546.58	1	2,906.32	1	3,265.11
1/4	43.59	1/4	394.11	1/4	754.18	1/4	1,114.00	1/4	1,473.96	1/4	1,834.03	1/4	2,194.08	1/4	2,554.08	1/4	2,913.81	1/4	3,272.56
1/2	49.05	1/2	401.61	1/2	761.68	1/2	1,121.49	1/2	1,481.46	1/2	1,841.53	1/2	2,201.58	1/2	2,561.58	1/2	2,921.29	1/2	3,280.01
3/4	54.52	3/4	409.12	3/4	769.18	3/4	1,128.98	3/4	1,488.96	3/4	1,849.04	3/4	2,209.08	3/4	2,569.08	3/4	2,928.78	3/4	3,287.46
2	59.99	2	416.62	2	776.68	2	1,136.47	2	1,496.46	2	1,856.54	2	2,216.58	2	2,576.58	2	2,936.27	2	3,294.91
1/4	66.71	1/4	424.12	1/4	784.18	1/4	1,143.97	1/4	1,503.96	1/4	1,864.04	1/4	2,224.08	1/4	2,584.08	1/4	2,943.75	1/4	3,302.37
1/2	73.43	1/2	431.62	1/2	791.68	1/2	1,151.46	1/2	1,511.46	1/2	1,871.54	1/2	2,231.58	1/2	2,591.58	1/2	2,951.24	1/2	3,309.82
3/4	80.15	3/4	439.12	3/4	799.18	3/4	1,158.95	3/4	1,518.96	3/4	1,879.04	3/4	2,239.08	3/4	2,599.08	3/4	2,958.72	3/4	3,317.27
3	86.87	3	446.62	3	806.68	3	1,166.44	3	1,526.47	3	1,886.54	3	2,246.58	3	2,606.58	3	2,966.21	3	3,324.72
1/4	94.30	1/4	454.12	1/4	814.19	1/4	1,173.94	1/4	1,533.97	1/4	1,894.04	1/4	2,254.08	1/4	2,614.07	1/4	2,973.69	1/4	3,332.18
1/2	101.72	1/2	461.62	1/2	821.69	1/2	1,181.43	1/2	1,541.47	1/2	1,901.55	1/2	2,261.58	1/2	2,621.57	1/2	2,981.18	1/2	3,339.65
3/4	109.14	3/4	469.13	3/4	829.19	3/4	1,188.92	3/4	1,548.97	3/4	1,909.05	3/4	2,269.08	3/4	2,629.07	3/4	2,988.67	3/4	3,347.12
4	116.56	4	476.63	4	836.69	4	1,196.41	4	1,556.47	4	1,916.55	4	2,276.58	4	2,636.57	4	2,996.15	4	3,354.58
1/4	124.07	1/4	484.13	1/4	844.19	1/4	1,203.91	1/4	1,563.97	1/4	1,924.05	1/4	2,284.08	1/4	2,644.07	1/4	3,003.64	1/4	3,362.05
1/2	131.57	1/2	491.63	1/2	851.69	1/2	1,211.41	1/2	1,571.48	1/2	1,931.55	1/2	2,291.58	1/2	2,651.57	1/2	3,011.12	1/2	3,369.51
3/4	139.07	3/4	499.13	3/4	859.19	3/4	1,218.91	3/4	1,578.98	3/4	1,939.05	3/4	2,299.08	3/4	2,659.06	3/4	3,018.61	3/4	3,376.98
5	146.57	5	506.63	5	866.69	5	1,226.40	5	1,586.48	5	1,946.56	5	2,306.58	5	2,666.56	5	3,026.09	5	3,384.45
1/4	154.07	1/4	514.13	1/4	874.20	1/4	1,233.91	1/4	1,593.98	1/4	1,954.06	1/4	2,314.08	1/4	2,674.06	1/4	3,033.58	1/4	3,391.92
1/2	161.57	1/2	521.64	1/2	881.70	1/2	1,241.41	1/2	1,601.48	1/2	1,961.56	1/2	2,321.58	1/2	2,681.56	1/2	3,041.07	1/2	3,399.38
3/4	169.07	3/4	529.14	3/4	889.20	3/4	1,248.91	3/4	1,608.98	3/4	1,969.06	3/4	2,329.08	3/4	2,689.06	3/4	3,048.55	3/4	3,406.85
6	176.58	6	536.64	6	896.70	6	1,256.41	6	1,616.49	6	1,976.56	6	2,336.58	6	2,696.56	6	3,056.04	6	3,414.32
1/4	184.08	1/4	544.14	1/4	904.20	1/4	1,263.91	1/4	1,623.99	1/4	1,984.06	1/4	2,344.08	1/4	2,704.05	1/4	3,063.52	1/4	3,421.78
1/2	191.58	1/2	551.64	1/2	911.70	1/2	1,271.41	1/2	1,631.49	1/2	1,991.57	1/2	2,351.58	1/2	2,711.55	1/2	3,071.01	1/2	3,429.25
3/4	199.08	3/4	559.14	3/4	919.19	3/4	1,278.91	3/4	1,638.99	3/4	1,999.07	3/4	2,359.08	3/4	2,719.05	3/4	3,078.49	3/4	3,436.72
7	206.58	7	566.64	7	926.69	7	1,286.42	7	1,646.49	7	2,006.57	7	2,366.58	7	2,726.55	7	3,085.98	7	3,444.18
1/4	214.08	1/4	574.14	1/4	934.18	1/4	1,293.92	1/4	1,653.99	1/4	2,014.07	1/4	2,374.08	1/4	2,734.05	1/4	3,093.47	1/4	3,451.65
1/2	221.58	1/2	581.65	1/2	941.68	1/2	1,301.42	1/2	1,661.50	1/2	2,021.57	1/2	2,381.58	1/2	2,741.55	1/2	3,100.95	1/2	3,459.12
3/4	229.08	3/4	589.15	3/4	949.17	3/4	1,308.92	3/4	1,669.00	3/4	2,029.07	3/4	2,389.08	3/4	2,749.04	3/4	3,108.44	3/4	3,466.59
8	236.59	8	596.65	8	956.66	8	1,316.42	8	1,676.50	8	2,036.58	8	2,396.58	8	2,756.54	8	3,115.92	8	3,474.05
1/4	244.09	1/4	604.15	1/4	964.15	1/4	1,323.92	1/4	1,684.00	1/4	2,044.08	1/4	2,404.08	1/4	2,764.04	1/4	3,123.41	1/4	3,481.52
1/2	251.59	1/2	611.65	1/2	971.65	1/2	1,331.42	1/2	1,691.50	1/2	2,051.58	1/2	2,411.58	1/2	2,771.54	1/2	3,130.89	1/2	3,488.99
3/4	259.09	3/4	619.15	3/4	979.14	3/4	1,338.93	3/4	1,699.00	3/4	2,059.08	3/4	2,419.08	3/4	2,779.04	3/4	3,138.38	3/4	3,496.45
9	266.59	9	626.65	9	986.63	9	1,346.43	9	1,706.50	9	2,066.58	9	2,426.58	9	2,786.54	9	3,145.87	9	3,503.92
1/4	274.09	1/4	634.15	1/4	994.12	1/4	1,353.93	1/4	1,714.01	1/4	2,074.08	1/4	2,434.08	1/4	2,794.03	1/4	3,153.32	1/4	3,508.39
1/2	281.59	1/2	641.66	1/2	1,001.61	1/2	1,361.43	1/2	1,721.51	1/2	2,081.58	1/2	2,441.58	1/2	2,801.52	1/2	3,160.78	1/2	3,512.85
3/4	289.09	3/4	649.16	3/4	1,009.11	3/4	1,368.93	3/4	1,729.01	3/4	2,089.08	3/4	2,449.08	3/4	2,809.01	3/4	3,168.23	3/4	3,517.32
10	296.60	10	656.66	10	1,016.60	10	1,376.43	10	1,736.51	10	2,096.58	10	2,456.58	10	2,816.49	10	3,175.69	10	3,521.78
1/4	304.10	1/4	664.16	1/4	1,024.09	1/4	1,383.94	1/4	1,744.01	1/4	2,104.08	1/4	2,464.08	1/4	2,823.98	1/4	3,183.14	1/4	3,525.82
1/2	311.60	1/2	671.66	1/2	1,031.58	1/2	1,391.44	1/2	1,751.51	1/2	2,111.58	1/2	2,471.58	1/2	2,831.47	1/2	3,190.59	1/2	3,529.86
3/4	319.10	3/4	679.16	3/4	1,039.08	3/4	1,398.94	3/4	1,759.02	3/4	2,119.08	3/4	2,479.08	3/4	2,838.95	3/4	3,198.04	3/4	3,533.89
11	326.60	11	686.66	11	1,046.57	11	1,406.44	11	1,766.52	11	2,126.58	11	2,486.58	11	2,846.44	11	3,205.50	11	3,537.93
1/4	334.10	1/4	694.17	1/4	1,054.06	1/4	1,413.94	1/4	1,774.02	1/4	2,134.08	1/4	2,494.08	1/4	2,853.92	1/4	3,212.95	1/4	3,541.97
1/2	341.60	1/2	701.67	1/2	1,061.55	1/2	1,421.44	1/2	1,781.52	1/2	2,141.58	1/2	2,501.58	1/2	2,861.41	1/2	3,220.40	1/2	3,546.00
3/4	349.11	3/4	709.17	3/4	1,069.04	3/4	1,428.95	3/4	1,789.02	3/4	2,149.08	3/4	2,509.08	3/4	2,868.89	3/4	3,227.85	3/4	3,550.04

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP 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 INNAGE 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	3,554.08	0	3,747.81	0	3,937.50	0	4,120.11	0	4,294.86	0		0		0		0		0	
1/4	3,558.11	1/4	3,751.83	1/4	3,941.37	1/4	4,123.83	1/4	4,298.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,562.15	1/2	3,755.85	1/2	3,945.24	1/2	4,127.56	1/2	4,301.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,566.19	3/4	3,759.87	3/4	3,949.12	3/4	4,131.28	3/4	4,305.43	3/4		3/4		3/4		3/4		3/4	
1	3,570.22	1	3,763.89	1	3,952.99	1	4,135.00	1	4,308.95	1		1		1		1		1	
1/4	3,574.26	1/4	3,767.89	1/4	3,956.85	1/4	4,138.70	1/4	4,312.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,578.30	1/2	3,771.90	1/2	3,960.71	1/2	4,142.40	1/2	4,315.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,582.33	3/4	3,775.91	3/4	3,964.57	3/4	4,146.10	3/4	4,319.49	3/4		3/4		3/4		3/4		3/4	
2	3,586.37	2	3,779.92	2	3,968.43	2	4,149.80	2	4,323.00	2		2		2		2		2	
1/4	3,590.41	1/4	3,783.91	1/4	3,972.28	1/4	4,153.49	1/4	4,326.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,594.44	1/2	3,787.91	1/2	3,976.12	1/2	4,157.17	1/2	4,330.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,598.48	3/4	3,791.90	3/4	3,979.97	3/4	4,160.86	3/4	4,333.49	3/4		3/4		3/4		3/4		3/4	
3	3,602.52	3	3,795.90	3	3,983.82	3	4,164.54	3	4,336.99	3		3		3		3		3	
1/4	3,606.55	1/4	3,799.88	1/4	3,987.65	1/4	4,168.21	1/4	4,340.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,610.59	1/2	3,803.86	1/2	3,991.49	1/2	4,171.89	1/2	4,343.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,614.63	3/4	3,807.84	3/4	3,995.32	3/4	4,175.56	3/4	4,347.45	3/4		3/4		3/4		3/4		3/4	
4	3,618.66	4	3,811.83	4	3,999.16	4	4,179.23	4	4,350.94	4		4		4		4		4	
1/4	3,622.70	1/4	3,815.80	1/4	4,002.98	1/4	4,182.89	1/4	4,354.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,626.74	1/2	3,819.77	1/2	4,006.80	1/2	4,186.55	1/2	4,357.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,630.77	3/4	3,823.74	3/4	4,010.63	3/4	4,190.21	3/4	4,361.36	3/4		3/4		3/4		3/4		3/4	
5	3,634.81	5	3,827.71	5	4,014.45	5	4,193.88	5	4,364.84	5		5		5		5		5	
1/4	3,638.85	1/4	3,831.67	1/4	4,018.26	1/4	4,197.52	1/4	4,368.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,642.88	1/2	3,835.62	1/2	4,022.07	1/2	4,201.17	1/2	4,372.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,646.92	3/4	3,839.58	3/4	4,025.88	3/4	4,204.82	3/4	4,376.19	3/4		3/4		3/4		3/4		3/4	
6	3,650.95	6	3,843.54	6	4,029.69	6	4,208.47	6	4,379.98	6		6		6		6		6	
1/4	3,654.99	1/4	3,847.49	1/4	4,033.49	1/4	4,212.10	1/4	4,382.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,659.03	1/2	3,851.43	1/2	4,037.29	1/2	4,215.74	1/2	4,385.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,663.06	3/4	3,855.38	3/4	4,041.08	3/4	4,219.38	3/4	4,388.59	3/4		3/4		3/4		3/4		3/4	
7	3,667.10	7	3,859.32	7	4,044.88	7	4,223.01	7	4,391.46	7		7		7		7		7	
1/4	3,671.14	1/4	3,863.26	1/4	4,048.67	1/4	4,226.64	1/4	4,393.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,675.17	1/2	3,867.19	1/2	4,052.45	1/2	4,230.26	1/2	4,394.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,679.21	3/4	3,871.12	3/4	4,056.24	3/4	4,233.88	3/4	4,396.42	3/4		3/4		3/4		3/4		3/4	
8	3,683.25	8	3,875.06	8	4,060.03	8	4,237.51	8	4,398.07	8		8		8		8		8	
1/4	3,687.28	1/4	3,878.98	1/4	4,063.80	1/4	4,241.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,691.32	1/2	3,882.90	1/2	4,067.57	1/2	4,244.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.36	3/4	3,886.82	3/4	4,071.35	3/4	4,248.34	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,699.39	9	3,890.74	9	4,075.12	9	4,251.95	9		9		9		9		9		9	
1/4	3,703.43	1/4	3,894.65	1/4	4,078.88	1/4	4,255.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,707.47	1/2	3,898.56	1/2	4,082.64	1/2	4,259.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,711.50	3/4	3,902.47	3/4	4,086.40	3/4	4,262.75	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,715.54	10	3,906.38	10	4,090.16	10	4,266.35	10		10		10		10		10		10	
1/4	3,719.58	1/4	3,910.27	1/4	4,093.91	1/4	4,269.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,723.61	1/2	3,914.17	1/2	4,097.66	1/2	4,273.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,727.65	3/4	3,918.07	3/4	4,101.41	3/4	4,277.11	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,731.69	11	3,921.96	11	4,105.16	11	4,280.69	11		11		11		11		11		11	
1/4	3,735.72	1/4	3,925.85	1/4	4,108.90	1/4	4,284.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,739.75	1/2	3,929.73	1/2	4,112.63	1/2	4,287.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,743.78	3/4	3,933.62	3/4	4,116.37	3/4	4,291.32	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"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.25	0	356.22	0	715.86	0	1,063.93	0	1,416.98	0	1,775.99	0	2,135.50	0	2,494.95	0	2,854.22	0	3,212.41
1/4	25.47	1/4	363.71	1/4	723.35	1/4	1,071.09	1/4	1,424.41	1/4	1,783.48	1/4	2,142.99	1/4	2,502.44	1/4	2,861.69	1/4	3,219.85
1/2	29.69	1/2	371.21	1/2	730.85	1/2	1,078.24	1/2	1,431.83	1/2	1,790.97	1/2	2,150.48	1/2	2,509.93	1/2	2,869.16	1/2	3,227.29
3/4	33.91	3/4	378.70	3/4	738.34	3/4	1,085.40	3/4	1,439.26	3/4	1,798.46	3/4	2,157.97	3/4	2,517.42	3/4	2,876.64	3/4	3,234.73
1	38.13	1	386.19	1	745.83	1	1,092.55	1	1,446.69	1	1,805.95	1	2,165.46	1	2,524.91	1	2,884.11	1	3,242.17
1/4	43.59	1/4	393.68	1/4	753.32	1/4	1,099.70	1/4	1,454.12	1/4	1,813.44	1/4	2,172.94	1/4	2,532.40	1/4	2,891.58	1/4	3,249.61
1/2	49.05	1/2	401.18	1/2	760.82	1/2	1,106.86	1/2	1,461.55	1/2	1,820.93	1/2	2,180.43	1/2	2,539.89	1/2	2,899.05	1/2	3,257.05
3/4	54.51	3/4	408.67	3/4	768.31	3/4	1,114.01	3/4	1,468.98	3/4	1,828.42	3/4	2,187.92	3/4	2,547.37	3/4	2,906.52	3/4	3,264.49
2	59.98	2	416.16	2	775.80	2	1,121.17	2	1,476.41	2	1,835.91	2	2,195.41	2	2,554.86	2	2,913.98	2	3,271.93
1/4	66.68	1/4	423.65	1/4	783.29	1/4	1,128.32	1/4	1,483.89	1/4	1,843.40	1/4	2,202.90	1/4	2,562.35	1/4	2,921.45	1/4	3,279.37
1/2	73.38	1/2	431.15	1/2	790.79	1/2	1,135.48	1/2	1,491.37	1/2	1,850.89	1/2	2,210.39	1/2	2,569.84	1/2	2,928.92	1/2	3,286.81
3/4	80.08	3/4	438.64	3/4	798.28	3/4	1,142.63	3/4	1,498.85	3/4	1,858.39	3/4	2,217.88	3/4	2,577.33	3/4	2,936.38	3/4	3,294.25
3	86.78	3	446.13	3	805.77	3	1,149.79	3	1,506.34	3	1,865.88	3	2,225.36	3	2,584.82	3	2,943.85	3	3,301.70
1/4	94.20	1/4	453.62	1/4	813.01	1/4	1,157.19	1/4	1,513.83	1/4	1,873.37	1/4	2,232.85	1/4	2,592.30	1/4	2,951.32	1/4	3,309.15
1/2	101.61	1/2	461.12	1/2	820.26	1/2	1,164.59	1/2	1,521.32	1/2	1,880.86	1/2	2,240.34	1/2	2,599.79	1/2	2,958.79	1/2	3,316.60
3/4	109.02	3/4	468.61	3/4	827.50	3/4	1,172.00	3/4	1,528.81	3/4	1,888.35	3/4	2,247.83	3/4	2,607.28	3/4	2,966.25	3/4	3,324.06
4	116.44	4	476.10	4	834.74	4	1,179.40	4	1,536.30	4	1,895.84	4	2,255.32	4	2,614.77	4	2,973.72	4	3,331.51
1/4	123.93	1/4	483.59	1/4	841.92	1/4	1,186.81	1/4	1,543.79	1/4	1,903.33	1/4	2,262.81	1/4	2,622.25	1/4	2,981.19	1/4	3,338.97
1/2	131.43	1/2	491.09	1/2	849.11	1/2	1,194.23	1/2	1,551.28	1/2	1,910.82	1/2	2,270.30	1/2	2,629.74	1/2	2,988.65	1/2	3,346.42
3/4	138.93	3/4	498.58	3/4	856.29	3/4	1,201.64	3/4	1,558.77	3/4	1,918.31	3/4	2,277.78	3/4	2,637.23	3/4	2,996.12	3/4	3,353.88
5	146.43	5	506.07	5	863.48	5	1,209.05	5	1,566.26	5	1,925.80	5	2,285.27	5	2,644.71	5	3,003.59	5	3,361.33
1/4	153.92	1/4	513.56	1/4	870.66	1/4	1,216.46	1/4	1,573.75	1/4	1,933.29	1/4	2,292.76	1/4	2,652.20	1/4	3,011.05	1/4	3,368.79
1/2	161.41	1/2	521.06	1/2	877.84	1/2	1,223.88	1/2	1,581.24	1/2	1,940.78	1/2	2,300.25	1/2	2,659.69	1/2	3,018.52	1/2	3,376.24
3/4	168.91	3/4	528.55	3/4	885.02	3/4	1,231.29	3/4	1,588.73	3/4	1,948.27	3/4	2,307.74	3/4	2,667.18	3/4	3,025.99	3/4	3,383.70
6	176.40	6	536.04	6	892.20	6	1,238.70	6	1,596.22	6	1,955.76	6	2,315.23	6	2,674.66	6	3,033.45	6	3,391.16
1/4	183.89	1/4	543.53	1/4	899.36	1/4	1,246.13	1/4	1,603.71	1/4	1,963.25	1/4	2,322.72	1/4	2,682.15	1/4	3,040.92	1/4	3,398.61
1/2	191.39	1/2	551.03	1/2	906.52	1/2	1,253.55	1/2	1,611.20	1/2	1,970.74	1/2	2,330.20	1/2	2,689.64	1/2	3,048.39	1/2	3,406.07
3/4	198.88	3/4	558.52	3/4	913.68	3/4	1,260.98	3/4	1,618.69	3/4	1,978.23	3/4	2,337.69	3/4	2,697.12	3/4	3,055.85	3/4	3,413.52
7	206.37	7	566.01	7	920.84	7	1,268.41	7	1,626.18	7	1,985.72	7	2,345.18	7	2,704.61	7	3,063.32	7	3,420.98
1/4	213.86	1/4	573.50	1/4	927.99	1/4	1,275.83	1/4	1,633.67	1/4	1,993.21	1/4	2,352.67	1/4	2,712.10	1/4	3,070.79	1/4	3,428.43
1/2	221.36	1/2	581.00	1/2	935.15	1/2	1,283.26	1/2	1,641.16	1/2	2,000.70	1/2	2,360.16	1/2	2,719.59	1/2	3,078.27	1/2	3,435.89
3/4	228.85	3/4	588.49	3/4	942.30	3/4	1,290.69	3/4	1,648.65	3/4	2,008.19	3/4	2,367.65	3/4	2,727.07	3/4	3,085.74	3/4	3,443.35
8	236.34	8	595.98	8	949.46	8	1,298.12	8	1,656.14	8	2,015.68	8	2,375.14	8	2,734.56	8	3,093.22	8	3,450.80
1/4	243.83	1/4	603.47	1/4	956.61	1/4	1,305.55	1/4	1,663.63	1/4	2,023.17	1/4	2,382.62	1/4	2,742.05	1/4	3,100.69	1/4	3,458.26
1/2	251.33	1/2	610.97	1/2	963.77	1/2	1,312.98	1/2	1,671.13	1/2	2,030.66	1/2	2,390.11	1/2	2,749.54	1/2	3,108.16	1/2	3,465.71
3/4	258.82	3/4	618.46	3/4	970.92	3/4	1,320.41	3/4	1,678.62	3/4	2,038.15	3/4	2,397.60	3/4	2,757.03	3/4	3,115.64	3/4	3,473.17
9	266.31	9	625.95	9	978.08	9	1,327.83	9	1,686.11	9	2,045.64	9	2,405.09	9	2,764.52	9	3,123.11	9	3,480.62
1/4	273.80	1/4	633.44	1/4	985.23	1/4	1,335.26	1/4	1,693.60	1/4	2,053.13	1/4	2,412.58	1/4	2,771.99	1/4	3,130.56	1/4	3,488.08
1/2	281.30	1/2	640.94	1/2	992.39	1/2	1,342.69	1/2	1,701.09	1/2	2,060.61	1/2	2,420.07	1/2	2,779.47	1/2	3,138.00	1/2	3,495.53
3/4	288.79	3/4	648.43	3/4	999.54	3/4	1,350.12	3/4	1,708.58	3/4	2,068.10	3/4	2,427.56	3/4	2,786.94	3/4	3,145.45	3/4	3,493.98
10	296.28	10	655.92	10	1,006.69	10	1,357.55	10	1,716.07	10	2,075.59	10	2,435.04	10	2,794.42	10	3,152.89	10	3,498.43
1/4	303.77	1/4	663.41	1/4	1,013.85	1/4	1,364.98	1/4	1,723.56	1/4	2,083.08	1/4	2,442.53	1/4	2,801.89	1/4	3,160.33	1/4	3,502.45
1/2	311.27	1/2	670.91	1/2	1,021.00	1/2	1,372.41	1/2	1,731.05	1/2	2,090.57	1/2	2,450.02	1/2	2,809.37	1/2	3,167.77	1/2	3,506.48
3/4	318.76	3/4	678.40	3/4	1,028.16	3/4	1,379.83	3/4	1,738.54	3/4	2,098.06	3/4	2,457.51	3/4	2,816.84	3/4	3,175.21	3/4	3,510.50
11	326.25	11	685.89	11	1,035.31	11	1,387.26	11	1,746.03	11	2,105.55	11	2,465.00	11	2,824.32	11	3,182.65	11	3,514.52
1/4	333.74	1/4	693.38	1/4	1,042.47	1/4	1,394.69	1/4	1,753.52	1/4	2,113.03	1/4	2,472.49	1/4	2,831.79	1/4	3,190.09	1/4	3,518.54
1/2	341.24	1/2	700.88	1/2	1,049.62	1/2	1,402.12	1/2	1,761.01	1/2	2,120.52	1/2	2,479.98	1/2	2,839.27	1/2	3,197.53	1/2	3,522.56
3/4	348.73	3/4	708.37	3/4	1,056.78	3/4	1,409.55	3/4	1,768.50	3/4	2,128.01	3/4	2,487.46	3/4	2,846.74	3/4	3,204.97	3/4	3,526.59

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 INNAGE 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 STBD INNAGE 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	3,530.61	0	3,723.66	0	3,912.67	0	4,094.58	0	4,268.63	0		0		0		0		0	
1/4	3,534.63	1/4	3,727.66	1/4	3,916.52	1/4	4,098.29	1/4	4,272.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,538.65	1/2	3,731.67	1/2	3,920.38	1/2	4,102.00	1/2	4,275.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,542.68	3/4	3,735.67	3/4	3,924.24	3/4	4,105.71	3/4	4,279.16	3/4		3/4		3/4		3/4		3/4	
1	3,546.70	1	3,739.68	1	3,928.10	1	4,109.42	1	4,282.67	1		1		1		1		1	
1/4	3,550.72	1/4	3,743.67	1/4	3,931.94	1/4	4,113.10	1/4	4,286.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,554.74	1/2	3,747.67	1/2	3,935.79	1/2	4,116.79	1/2	4,289.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,558.77	3/4	3,751.66	3/4	3,939.63	3/4	4,120.47	3/4	4,293.16	3/4		3/4		3/4		3/4		3/4	
2	3,562.79	2	3,755.65	2	3,943.48	2	4,124.16	2	4,296.65	2		2		2		2		2	
1/4	3,566.81	1/4	3,759.63	1/4	3,947.31	1/4	4,127.83	1/4	4,300.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,570.83	1/2	3,763.61	1/2	3,951.14	1/2	4,131.50	1/2	4,303.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,574.85	3/4	3,767.59	3/4	3,954.98	3/4	4,135.17	3/4	4,307.11	3/4		3/4		3/4		3/4		3/4	
3	3,578.88	3	3,771.58	3	3,958.81	3	4,138.84	3	4,310.59	3		3		3		3		3	
1/4	3,582.90	1/4	3,775.54	1/4	3,962.63	1/4	4,142.50	1/4	4,314.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,586.92	1/2	3,779.51	1/2	3,966.45	1/2	4,146.16	1/2	4,317.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,590.94	3/4	3,783.48	3/4	3,970.27	3/4	4,149.82	3/4	4,321.01	3/4		3/4		3/4		3/4		3/4	
4	3,594.97	4	3,787.45	4	3,974.09	4	4,153.47	4	4,324.48	4		4		4		4		4	
1/4	3,598.99	1/4	3,791.41	1/4	3,977.90	1/4	4,157.12	1/4	4,327.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.01	1/2	3,795.36	1/2	3,981.71	1/2	4,160.77	1/2	4,331.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,607.03	3/4	3,799.32	3/4	3,985.52	3/4	4,164.41	3/4	4,334.86	3/4		3/4		3/4		3/4		3/4	
5	3,611.06	5	3,803.27	5	3,989.33	5	4,168.06	5	4,338.32	5		5		5		5		5	
1/4	3,615.08	1/4	3,807.22	1/4	3,993.12	1/4	4,171.69	1/4	4,342.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,619.10	1/2	3,811.16	1/2	3,996.92	1/2	4,175.32	1/2	4,345.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,623.12	3/4	3,815.11	3/4	4,000.71	3/4	4,178.96	3/4	4,349.63	3/4		3/4		3/4		3/4		3/4	
6	3,627.14	6	3,819.05	6	4,004.51	6	4,182.59	6	4,353.40	6		6		6		6		6	
1/4	3,631.17	1/4	3,822.98	1/4	4,008.29	1/4	4,186.21	1/4	4,356.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,635.19	1/2	3,826.91	1/2	4,012.08	1/2	4,189.84	1/2	4,359.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,639.21	3/4	3,830.84	3/4	4,015.86	3/4	4,193.46	3/4	4,361.97	3/4		3/4		3/4		3/4		3/4	
7	3,643.23	7	3,834.78	7	4,019.64	7	4,197.08	7	4,364.83	7		7		7		7		7	
1/4	3,647.26	1/4	3,838.69	1/4	4,023.42	1/4	4,200.69	1/4	4,366.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,651.28	1/2	3,842.61	1/2	4,027.19	1/2	4,204.30	1/2	4,368.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,655.30	3/4	3,846.53	3/4	4,030.96	3/4	4,207.90	3/4	4,369.74	3/4		3/4		3/4		3/4		3/4	
8	3,659.32	8	3,850.45	8	4,034.73	8	4,211.51	8	4,371.38	8		8		8		8		8	
1/4	3,663.35	1/4	3,854.36	1/4	4,038.49	1/4	4,215.11	1/4	4,373.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,667.37	1/2	3,858.27	1/2	4,042.25	1/2	4,218.71	1/2	4,374.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.39	3/4	3,862.17	3/4	4,046.01	3/4	4,222.30	3/4	4,376.27	3/4		3/4		3/4		3/4		3/4	
9	3,675.41	9	3,866.08	9	4,049.77	9	4,225.90	9	4,377.90	9		9		9		9		9	
1/4	3,679.43	1/4	3,869.97	1/4	4,053.51	1/4	4,229.49	1/4	4,379.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,683.46	1/2	3,873.87	1/2	4,057.26	1/2	4,233.07	1/2	4,381.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,687.48	3/4	3,877.76	3/4	4,061.01	3/4	4,236.65	3/4	4,382.79	3/4		3/4		3/4		3/4		3/4	
10	3,691.50	10	3,881.66	10	4,064.75	10	4,240.24	10	4,384.42	10		10		10		10		10	
1/4	3,695.52	1/4	3,885.54	1/4	4,068.49	1/4	4,243.81	1/4	4,386.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,699.55	1/2	3,889.42	1/2	4,072.22	1/2	4,247.38	1/2	4,387.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,703.57	3/4	3,893.30	3/4	4,075.96	3/4	4,250.96	3/4	4,389.31	3/4		3/4		3/4		3/4		3/4	
11	3,707.59	11	3,897.19	11	4,079.69	11	4,254.53	11	4,390.94	11		11		11		11		11	
1/4	3,711.61	1/4	3,901.06	1/4	4,083.41	1/4	4,258.05	1/4	4,392.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,715.62	1/2	3,904.93	1/2	4,087.14	1/2	4,261.58	1/2	4,394.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,719.64	3/4	3,908.80	3/4	4,090.86	3/4	4,265.11	3/4	4,395.83	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"

## FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-00 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	108	0	275	0	439	0		0		0		0		0		0	
1/4	1	1/4	111	1/4	278	1/4	442	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1	1/2	114	1/2	282	1/2	445	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2	3/4	117	3/4	286	3/4	448	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3	1	121	1	289	1	451	1	1	1	1	1	1	1	1	1	1	1	1
1/4	4	1/4	124	1/4	293	1/4	454	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5	1/2	127	1/2	296	1/2	457	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	7	3/4	130	3/4	300	3/4	460	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	8	2	134	2	304	2	463	2	2	2	2	2	2	2	2	2	2	2	2
1/4	10	1/4	137	1/4	307	1/4	465	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	11	1/2	140	1/2	311	1/2	468	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	13	3/4	144	3/4	314	3/4	471	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	14	3	147	3	318	3	474	3	3	3	3	3	3	3	3	3	3	3	3
1/4	16	1/4	151	1/4	321	1/4	476	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	18	1/2	154	1/2	325	1/2	479	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	20	3/4	157	3/4	329	3/4	481	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	22	4	161	4	332	4	484	4	4	4	4	4	4	4	4	4	4	4	4
1/4	24	1/4	164	1/4	336	1/4	486	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	26	1/2	168	1/2	339	1/2	489	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	28	3/4	171	3/4	343	3/4	491	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	31	5	175	5	346	5	494	5	5	5	5	5	5	5	5	5	5	5	5
1/4	33	1/4	178	1/4	350	1/4	496	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	35	1/2	182	1/2	353	1/2	498	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38	3/4	185	3/4	357	3/4	501	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	40	6	189	6	360	6	503	6	6	6	6	6	6	6	6	6	6	6	6
1/4	42	1/4	192	1/4	364	1/4	505	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45	1/2	196	1/2	367	1/2	507	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47	3/4	199	3/4	371	3/4	509	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	50	7	203	7	374	7	511	7	7	7	7	7	7	7	7	7	7	7	7
1/4	53	1/4	206	1/4	377	1/4	513	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55	1/2	210	1/2	381	1/2	515	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58	3/4	213	3/4	384	3/4	517	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	60	8	217	8	388	8	519	8	8	8	8	8	8	8	8	8	8	8	8
1/4	63	1/4	221	1/4	391	1/4	520	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66	1/2	224	1/2	394	1/2	522	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69	3/4	228	3/4	398	3/4	523	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	72	9	231	9	401	9	525	9	9	9	9	9	9	9	9	9	9	9	9
1/4	75	1/4	235	1/4	404	1/4	526	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77	1/2	239	1/2	407	1/2	527	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80	3/4	242	3/4	411	3/4	528	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	83	10	246	10	414	10	529	10	10	10	10	10	10	10	10	10	10	10	10
1/4	86	1/4	249	1/4	417	1/4	530	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	89	1/2	253	1/2	420	1/2	531	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92	3/4	257	3/4	423	3/4	531	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	95	11	260	11	427	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	98	1/4	264	1/4	430	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	102	1/2	267	1/2	433	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105	3/4	271	3/4	436	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.

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>



# BARGE "HMS 3148"

## SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-05 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	577	0	1,155	0	1,732	0	2,310	0		0		0		0		0	
1/4	12	1/4	589	1/4	1,167	1/4	1,744	1/4	2,322	1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	601	1/2	1,179	1/2	1,756	1/2	2,334	1/2		1/2		1/2		1/2		1/2	
3/4	36	3/4	613	3/4	1,191	3/4	1,768	3/4	2,346	3/4		3/4		3/4		3/4		3/4	
1	48	1	626	1	1,203	1	1,780	1	2,358	1		1		1		1		1	
1/4	60	1/4	638	1/4	1,215	1/4	1,792	1/4	2,370	1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	650	1/2	1,227	1/2	1,804	1/2	2,382	1/2		1/2		1/2		1/2		1/2	
3/4	84	3/4	662	3/4	1,239	3/4	1,816	3/4	2,394	3/4		3/4		3/4		3/4		3/4	
2	96	2	674	2	1,251	2	1,828	2	2,406	2		2		2		2		2	
1/4	108	1/4	686	1/4	1,263	1/4	1,840	1/4	2,418	1/4		1/4		1/4		1/4		1/4	
1/2	120	1/2	698	1/2	1,275	1/2	1,852	1/2	2,430	1/2		1/2		1/2		1/2		1/2	
3/4	132	3/4	710	3/4	1,287	3/4	1,865	3/4	2,442	3/4		3/4		3/4		3/4		3/4	
3	144	3	722	3	1,299	3	1,877	3	2,454	3		3		3		3		3	
1/4	156	1/4	734	1/4	1,311	1/4	1,889	1/4	2,466	1/4		1/4		1/4		1/4		1/4	
1/2	168	1/2	746	1/2	1,323	1/2	1,901	1/2	2,478	1/2		1/2		1/2		1/2		1/2	
3/4	180	3/4	758	3/4	1,335	3/4	1,913	3/4	2,490	3/4		3/4		3/4		3/4		3/4	
4	192	4	770	4	1,347	4	1,925	4	2,502	4		4		4		4		4	
1/4	204	1/4	782	1/4	1,359	1/4	1,937	1/4	2,514	1/4		1/4		1/4		1/4		1/4	
1/2	217	1/2	794	1/2	1,371	1/2	1,949	1/2	2,526	1/2		1/2		1/2		1/2		1/2	
3/4	229	3/4	806	3/4	1,383	3/4	1,961	3/4	2,538	3/4		3/4		3/4		3/4		3/4	
5	241	5	818	5	1,395	5	1,973	5	2,550	5		5		5		5		5	
1/4	253	1/4	830	1/4	1,407	1/4	1,985	1/4	2,562	1/4		1/4		1/4		1/4		1/4	
1/2	265	1/2	842	1/2	1,419	1/2	1,997	1/2	2,574	1/2		1/2		1/2		1/2		1/2	
3/4	277	3/4	854	3/4	1,431	3/4	2,009	3/4	2,586	3/4		3/4		3/4		3/4		3/4	
6	289	6	866	6	1,444	6	2,021	6	2,598	6		6		6		6		6	
1/4	301	1/4	878	1/4	1,456	1/4	2,033	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	313	1/2	890	1/2	1,468	1/2	2,045	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	325	3/4	902	3/4	1,480	3/4	2,057	3/4		3/4		3/4		3/4		3/4		3/4	
7	337	7	914	7	1,492	7	2,069	7		7		7		7		7		7	
1/4	349	1/4	926	1/4	1,504	1/4	2,081	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	361	1/2	938	1/2	1,516	1/2	2,093	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	373	3/4	950	3/4	1,528	3/4	2,105	3/4		3/4		3/4		3/4		3/4		3/4	
8	385	8	962	8	1,540	8	2,117	8		8		8		8		8		8	
1/4	397	1/4	974	1/4	1,552	1/4	2,129	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	409	1/2	986	1/2	1,564	1/2	2,141	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	421	3/4	998	3/4	1,576	3/4	2,153	3/4		3/4		3/4		3/4		3/4		3/4	
9	433	9	1,010	9	1,588	9	2,165	9		9		9		9		9		9	
1/4	445	1/4	1,022	1/4	1,600	1/4	2,177	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	457	1/2	1,035	1/2	1,612	1/2	2,189	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	469	3/4	1,047	3/4	1,624	3/4	2,201	3/4		3/4		3/4		3/4		3/4		3/4	
10	481	10	1,059	10	1,636	10	2,213	10		10		10		10		10		10	
1/4	493	1/4	1,071	1/4	1,648	1/4	2,225	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	505	1/2	1,083	1/2	1,660	1/2	2,237	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	517	3/4	1,095	3/4	1,672	3/4	2,249	3/4		3/4		3/4		3/4		3/4		3/4	
11	529	11	1,107	11	1,684	11	2,261	11		11		11		11		11		11	
1/4	541	1/4	1,119	1/4	1,696	1/4	2,274	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	553	1/2	1,131	1/2	1,708	1/2	2,286	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	565	3/4	1,143	3/4	1,720	3/4	2,298	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
CAPACITY TABLE ONLY APPLIES TO INNAGE 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  
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