



BARGE "MM 140"

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	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8
1 STBD	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8
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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

May 29, 2014

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 140"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 3/4"

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
1/4	5,204.16	1/4	5,205.85	1/4	4,908.26	1/4	4,541.25	1/4	4,174.24	1/4	3,807.23	1/4	3,440.23	1/4	3,073.22	1/4	2,706.21	1/4	2,339.20
1/2	5,202.46	1/2	5,197.93	1/2	4,892.97	1/2	4,510.67	1/2	4,136.60	1/2	3,769.01	1/2	3,402.60	1/2	3,034.99	1/2	2,667.98	1/2	2,308.62
3/4	5,200.76	3/4	5,195.11	3/4	4,885.32	3/4	4,503.02	3/4	4,136.01	3/4	3,769.01	3/4	3,402.60	3/4	3,034.99	3/4	2,667.98	3/4	2,308.62
1	5,192.28	1	5,185.49	1	4,862.38	1	4,480.08	1	4,113.07	1	3,746.07	1	3,379.06	1	3,012.05	1	2,645.04	1	2,278.03
1/4	5,195.11	1/4	5,181.53	1/4	4,839.45	1/4	4,472.44	1/4	4,105.43	1/4	3,738.42	1/4	3,371.41	1/4	3,004.41	1/4	2,637.40	1/4	2,270.39
1/2	5,192.28	1/2	5,177.56	1/2	4,862.38	1/2	4,464.79	1/2	4,097.78	1/2	3,730.78	1/2	3,363.77	1/2	2,996.76	1/2	2,629.75	1/2	2,262.74
3/4	5,189.45	3/4	5,173.60	3/4	4,854.74	3/4	4,487.73	3/4	4,120.72	3/4	3,753.72	3/4	3,386.71	3/4	3,019.70	3/4	2,652.69	3/4	2,285.68
2	5,168.51	2	5,168.51	2	4,816.51	2	4,449.50	2	4,082.49	2	3,715.48	2	3,348.47	2	2,981.47	2	2,614.46	2	2,247.45
1/4	5,163.41	1/4	5,163.41	1/4	4,808.86	1/4	4,441.85	1/4	4,074.85	1/4	3,707.84	1/4	3,340.83	1/4	2,973.82	1/4	2,606.81	1/4	2,239.81
1/2	5,158.32	1/2	5,158.32	1/2	4,801.22	1/2	4,434.21	1/2	4,067.20	1/2	3,700.19	1/2	3,333.18	1/2	2,966.18	1/2	2,599.17	1/2	2,232.16
3/4	5,153.22	3/4	5,153.22	3/4	4,793.57	3/4	4,426.56	3/4	4,059.56	3/4	3,692.55	3/4	3,325.54	3/4	2,958.53	3/4	2,591.52	3/4	2,224.52
3	5,146.99	3	5,146.99	3	4,785.92	3	4,418.91	3	4,051.91	3	3,684.90	3	3,317.89	3	2,950.88	3	2,583.87	3	2,216.87
1/4	5,140.76	1/4	5,140.76	1/4	4,778.28	1/4	4,411.27	1/4	4,044.26	1/4	3,677.25	1/4	3,310.25	1/4	2,943.24	1/4	2,576.23	1/4	2,209.22
1/2	5,134.53	1/2	5,134.53	1/2	4,770.63	1/2	4,403.62	1/2	4,036.62	1/2	3,669.61	1/2	3,302.60	1/2	2,935.59	1/2	2,568.58	1/2	2,201.58
3/4	5,128.30	3/4	5,128.30	3/4	4,762.99	3/4	4,395.98	3/4	4,028.97	3/4	3,661.96	3/4	3,294.96	3/4	2,927.95	3/4	2,560.94	3/4	2,193.93
4	5,121.08	4	5,121.08	4	4,755.34	4	4,388.33	4	4,021.32	4	3,654.31	4	3,287.31	4	2,920.30	4	2,553.29	4	2,186.28
1/4	5,113.86	1/4	5,113.86	1/4	4,747.69	1/4	4,380.69	1/4	4,013.68	1/4	3,646.67	1/4	3,279.66	1/4	2,912.65	1/4	2,545.65	1/4	2,178.64
1/2	5,106.63	1/2	5,106.63	1/2	4,740.05	1/2	4,373.04	1/2	4,006.03	1/2	3,639.02	1/2	3,272.02	1/2	2,905.01	1/2	2,538.00	1/2	2,170.99
3/4	5,099.41	3/4	5,099.41	3/4	4,732.40	3/4	4,365.40	3/4	3,998.39	3/4	3,631.38	3/4	3,264.37	3/4	2,897.36	3/4	2,530.36	3/4	2,163.35
5	5,091.77	5	5,091.77	5	4,724.75	5	4,357.75	5	3,990.74	5	3,623.73	5	3,256.72	5	2,889.71	5	2,522.71	5	2,155.70
1/4	5,084.12	1/4	5,084.12	1/4	4,717.11	1/4	4,350.10	1/4	3,983.09	1/4	3,616.09	1/4	3,249.08	1/4	2,882.07	1/4	2,515.06	1/4	2,148.05
1/2	5,076.48	1/2	5,076.48	1/2	4,709.46	1/2	4,342.46	1/2	3,975.45	1/2	3,608.44	1/2	3,241.43	1/2	2,874.42	1/2	2,507.42	1/2	2,140.41
3/4	5,068.83	3/4	5,068.83	3/4	4,701.82	3/4	4,334.81	3/4	3,967.80	3/4	3,600.80	3/4	3,233.79	3/4	2,866.78	3/4	2,499.77	3/4	2,132.76
6	5,061.18	6	5,061.18	6	4,694.17	6	4,327.16	6	3,960.15	6	3,593.15	6	3,226.14	6	2,859.13	6	2,492.12	6	2,125.11
1/4	5,053.54	1/4	5,053.54	1/4	4,686.53	1/4	4,319.52	1/4	3,952.51	1/4	3,585.50	1/4	3,218.49	1/4	2,851.49	1/4	2,484.48	1/4	2,117.47
1/2	5,045.89	1/2	5,045.89	1/2	4,678.88	1/2	4,311.87	1/2	3,944.86	1/2	3,577.86	1/2	3,210.85	1/2	2,843.84	1/2	2,476.83	1/2	2,109.82
3/4	5,038.24	3/4	5,038.24	3/4	4,671.24	3/4	4,304.23	3/4	3,937.22	3/4	3,570.21	3/4	3,203.20	3/4	2,836.20	3/4	2,469.19	3/4	2,102.18
7	5,030.60	7	5,030.60	7	4,663.59	7	4,296.58	7	3,929.57	7	3,562.56	7	3,195.55	7	2,828.55	7	2,461.54	7	2,094.53
1/4	5,022.95	1/4	5,022.95	1/4	4,655.94	1/4	4,288.93	1/4	3,921.93	1/4	3,554.92	1/4	3,187.91	1/4	2,820.90	1/4	2,453.89	1/4	2,086.89
1/2	5,015.31	1/2	5,015.31	1/2	4,648.30	1/2	4,281.29	1/2	3,914.28	1/2	3,547.27	1/2	3,180.26	1/2	2,813.26	1/2	2,446.25	1/2	2,079.24
3/4	5,007.66	3/4	5,007.66	3/4	4,640.65	3/4	4,273.64	3/4	3,906.64	3/4	3,539.63	3/4	3,172.62	3/4	2,805.61	3/4	2,438.60	3/4	2,071.60
8	5,000.02	8	5,000.02	8	4,633.00	8	4,265.99	8	3,898.99	8	3,531.98	8	3,164.97	8	2,797.96	8	2,430.95	8	2,063.95
1/4	4,992.37	1/4	4,992.37	1/4	4,625.36	1/4	4,258.35	1/4	3,891.34	1/4	3,524.33	1/4	3,157.33	1/4	2,790.32	1/4	2,423.31	1/4	2,056.30
1/2	4,984.73	1/2	4,984.73	1/2	4,617.71	1/2	4,250.70	1/2	3,883.70	1/2	3,516.69	1/2	3,149.68	1/2	2,782.67	1/2	2,415.66	1/2	2,048.66
3/4	4,977.08	3/4	4,977.08	3/4	4,610.07	3/4	4,243.06	3/4	3,876.05	3/4	3,509.04	3/4	3,142.04	3/4	2,775.03	3/4	2,408.02	3/4	2,041.01
9	4,969.43	9	4,969.43	9	4,602.42	9	4,235.41	9	3,868.40	9	3,501.39	9	3,134.39	9	2,767.38	9	2,400.37	9	2,033.36
1/4	4,961.79	1/4	4,961.79	1/4	4,594.77	1/4	4,227.77	1/4	3,860.76	1/4	3,493.75	1/4	3,126.74	1/4	2,759.73	1/4	2,392.73	1/4	2,025.72
1/2	4,954.14	1/2	4,954.14	1/2	4,587.13	1/2	4,220.12	1/2	3,853.11	1/2	3,486.10	1/2	3,119.10	1/2	2,752.09	1/2	2,385.08	1/2	2,018.07
3/4	5,210.22	3/4	4,946.49	3/4	4,579.48	3/4	4,212.48	3/4	3,845.47	3/4	3,478.46	3/4	3,111.45	3/4	2,744.44	3/4	2,377.44	3/4	2,010.43
10	5,209.55	10	4,938.85	10	4,571.83	10	4,204.83	10	3,837.82	10	3,470.81	10	3,103.80	10	2,736.79	10	2,369.79	10	2,002.78
1/4	5,208.89	1/4	4,931.20	1/4	4,564.19	1/4	4,197.18	1/4	3,830.17	1/4	3,463.17	1/4	3,096.16	1/4	2,729.15	1/4	2,362.14	1/4	1,995.13
1/2	5,208.22	1/2	4,923.56	1/2	4,556.54	1/2	4,189.54	1/2	3,822.53	1/2	3,455.52	1/2	3,088.51	1/2	2,721.50	1/2	2,354.50	1/2	1,987.49
3/4	5,207.55	3/4	4,915.91	3/4	4,548.90	3/4	4,181.89	3/4	3,814.88	3/4	3,447.88	3/4	3,080.87	3/4	2,713.86	3/4	2,346.85	3/4	1,979.84

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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" VALVE
GAUGE POINT: LOCATED NEAR GEOMETRIC CENTER OF TANK

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "MM 140"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,972.19	0	1,605.19	0	1,238.18	0	871.17	0	504.29	0	156.75	0		0		0		0	
1/4	1,964.55	1/4	1,597.54	1/4	1,230.53	1/4	863.53	1/4	496.70	1/4	149.92	1/4		1/4		1/4		1/4	
1/2	1,956.90	1/2	1,589.90	1/2	1,222.89	1/2	855.88	1/2	489.12	1/2	143.08	1/2		1/2		1/2		1/2	
3/4	1,949.26	3/4	1,582.25	3/4	1,215.24	3/4	848.24	3/4	481.54	3/4	136.25	3/4		3/4		3/4		3/4	
1	1,941.61	1	1,574.60	1	1,207.59	1	840.59	1	473.99	1	129.45	1		1		1		1	
1/4	1,933.97	1/4	1,566.96	1/4	1,199.95	1/4	832.94	1/4	466.43	1/4	122.64	1/4		1/4		1/4		1/4	
1/2	1,926.32	1/2	1,559.31	1/2	1,192.30	1/2	825.30	1/2	458.88	1/2	115.84	1/2		1/2		1/2		1/2	
3/4	1,918.68	3/4	1,551.67	3/4	1,184.66	3/4	817.65	3/4	451.33	3/4	109.04	3/4		3/4		3/4		3/4	
2	1,911.03	2	1,544.02	2	1,177.01	2	810.00	2	443.87	2	102.33	2		2		2		2	
1/4	1,903.38	1/4	1,536.37	1/4	1,169.37	1/4	802.36	1/4	436.41	1/4	95.62	1/4		1/4		1/4		1/4	
1/2	1,895.74	1/2	1,528.73	1/2	1,161.72	1/2	794.71	1/2	428.96	1/2	88.91	1/2		1/2		1/2		1/2	
3/4	1,888.09	3/4	1,521.08	3/4	1,154.08	3/4	787.07	3/4	421.50	3/4	82.20	3/4		3/4		3/4		3/4	
3	1,880.44	3	1,513.43	3	1,146.43	3	779.42	3	414.07	3	75.52	3		3		3		3	
1/4	1,872.80	1/4	1,505.79	1/4	1,138.78	1/4	771.77	1/4	406.64	1/4	68.84	1/4		1/4		1/4		1/4	
1/2	1,865.15	1/2	1,498.14	1/2	1,131.14	1/2	764.13	1/2	399.22	1/2	62.16	1/2		1/2		1/2		1/2	
3/4	1,857.51	3/4	1,490.50	3/4	1,123.49	3/4	756.48	3/4	391.79	3/4	55.48	3/4		3/4		3/4		3/4	
4	1,849.86	4	1,482.85	4	1,115.84	4	748.83	4	384.45	4	49.54	4		4		4		4	
1/4	1,842.21	1/4	1,475.21	1/4	1,108.20	1/4	741.19	1/4	377.12	1/4	43.60	1/4		1/4		1/4		1/4	
1/2	1,834.57	1/2	1,467.56	1/2	1,100.55	1/2	733.54	1/2	369.78	1/2	37.67	1/2		1/2		1/2		1/2	
3/4	1,826.92	3/4	1,459.92	3/4	1,092.91	3/4	725.90	3/4	362.45	3/4	31.73	3/4		3/4		3/4		3/4	
5	1,819.27	5	1,452.27	5	1,085.26	5	718.25	5	355.15	5	27.33	5		5		5		5	
1/4	1,811.63	1/4	1,444.62	1/4	1,077.61	1/4	710.61	1/4	347.84	1/4	22.94	1/4		1/4		1/4		1/4	
1/2	1,803.98	1/2	1,436.98	1/2	1,069.97	1/2	702.96	1/2	340.54	1/2	18.54	1/2		1/2		1/2		1/2	
3/4	1,796.34	3/4	1,429.33	3/4	1,062.32	3/4	695.32	3/4	333.24	3/4	14.15	3/4		3/4		3/4		3/4	
6	1,788.69	6	1,421.68	6	1,054.67	6	687.67	6	326.03	6		6		6		6		6	
1/4	1,781.05	1/4	1,414.04	1/4	1,047.03	1/4	680.02	1/4	318.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,773.40	1/2	1,406.39	1/2	1,039.38	1/2	672.38	1/2	311.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,765.76	3/4	1,398.75	3/4	1,031.74	3/4	664.73	3/4	304.41	3/4		3/4		3/4		3/4		3/4	
7	1,758.11	7	1,391.10	7	1,024.09	7	657.08	7	297.23	7		7		7		7		7	
1/4	1,750.46	1/4	1,383.45	1/4	1,016.45	1/4	649.44	1/4	290.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,742.82	1/2	1,375.81	1/2	1,008.80	1/2	641.79	1/2	282.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,735.17	3/4	1,368.16	3/4	1,001.16	3/4	634.15	3/4	275.69	3/4		3/4		3/4		3/4		3/4	
8	1,727.52	8	1,360.51	8	993.51	8	626.50	8	268.61	8		8		8		8		8	
1/4	1,719.88	1/4	1,352.87	1/4	985.86	1/4	618.85	1/4	261.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,712.23	1/2	1,345.22	1/2	978.22	1/2	611.21	1/2	254.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,704.59	3/4	1,337.58	3/4	970.57	3/4	603.56	3/4	247.36	3/4		3/4		3/4		3/4		3/4	
9	1,696.94	9	1,329.93	9	962.92	9	595.91	9	240.31	9		9		9		9		9	
1/4	1,689.29	1/4	1,322.29	1/4	955.28	1/4	588.27	1/4	233.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,681.65	1/2	1,314.64	1/2	947.63	1/2	580.62	1/2	226.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,674.00	3/4	1,307.00	3/4	939.99	3/4	572.98	3/4	219.15	3/4		3/4		3/4		3/4		3/4	
10	1,666.35	10	1,299.35	10	932.34	10	565.33	10	212.19	10		10		10		10		10	
1/4	1,658.71	1/4	1,291.70	1/4	924.69	1/4	557.69	1/4	205.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,651.06	1/2	1,284.06	1/2	917.05	1/2	550.04	1/2	198.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,643.42	3/4	1,276.41	3/4	909.40	3/4	542.40	3/4	191.31	3/4		3/4		3/4		3/4		3/4	
11	1,635.77	11	1,268.76	11	901.75	11	534.77	11	184.38	11		11		11		11		11	
1/4	1,628.13	1/4	1,261.12	1/4	894.11	1/4	527.13	1/4	177.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,620.48	1/2	1,253.47	1/2	886.46	1/2	519.50	1/2	170.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,612.84	3/4	1,245.83	3/4	878.82	3/4	511.87	3/4	163.59	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/23/1999 INS
REPRINTED: 05/29/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2014

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



BARGE "MM 140"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

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
	0		5,206.13		4,908.26		4,541.25		4,174.25		3,807.24		3,440.23		3,073.22		2,706.21		2,339.21
1/4		1/4	5,204.15	1/4	4,906.62	1/4	4,533.60	1/4	4,166.60	1/4	3,799.59	1/4	3,432.58	1/4	3,065.57	1/4	2,698.56	1/4	2,331.56
1/2		1/2	5,202.18	1/2	4,892.97	1/2	4,525.96	1/2	4,158.95	1/2	3,791.94	1/2	3,424.94	1/2	3,057.93	1/2	2,690.92	1/2	2,323.91
3/4		3/4	5,200.20	3/4	4,885.32	3/4	4,518.31	3/4	4,151.31	3/4	3,784.30	3/4	3,417.29	3/4	3,050.28	3/4	2,683.27	3/4	2,316.27
1	1	1	5,198.22	1	4,877.68	1	4,510.67	1	4,143.66	1	3,776.65	1	3,409.65	1	3,042.64	1	2,675.63	1	2,308.62
1/4		1/4	5,195.11	1/4	4,870.03	1/4	4,503.02	1/4	4,136.01	1/4	3,769.00	1/4	3,402.00	1/4	3,034.99	1/4	2,667.98	1/4	2,300.97
1/2		1/2	5,192.00	1/2	4,862.38	1/2	4,495.38	1/2	4,128.37	1/2	3,761.36	1/2	3,394.35	1/2	3,027.34	1/2	2,660.34	1/2	2,293.33
3/4		3/4	5,188.88	3/4	4,854.74	3/4	4,487.73	3/4	4,120.72	3/4	3,753.71	3/4	3,386.71	3/4	3,019.70	3/4	2,652.69	3/4	2,285.68
2	2	2	5,185.77	2	4,847.09	2	4,480.09	2	4,113.08	2	3,746.07	2	3,379.06	2	3,012.05	2	2,645.05	2	2,278.04
1/4		1/4	5,181.53	1/4	4,839.44	1/4	4,472.44	1/4	4,105.43	1/4	3,738.42	1/4	3,371.41	1/4	3,004.40	1/4	2,637.40	1/4	2,270.39
1/2		1/2	5,177.28	1/2	4,831.80	1/2	4,464.79	1/2	4,097.78	1/2	3,730.78	1/2	3,363.77	1/2	2,996.76	1/2	2,629.75	1/2	2,262.74
3/4		3/4	5,173.04	3/4	4,824.15	3/4	4,457.15	3/4	4,090.14	3/4	3,723.13	3/4	3,356.12	3/4	2,989.11	3/4	2,622.11	3/4	2,255.10
3	3	3	5,168.79	3	4,816.51	3	4,449.50	3	4,082.49	3	3,715.49	3	3,348.48	3	2,981.47	3	2,614.46	3	2,247.45
1/4		1/4	5,163.41	1/4	4,808.86	1/4	4,441.85	1/4	4,074.84	1/4	3,707.84	1/4	3,340.83	1/4	2,973.82	1/4	2,606.81	1/4	2,239.80
1/2		1/2	5,158.03	1/2	4,801.22	1/2	4,434.21	1/2	4,067.20	1/2	3,700.19	1/2	3,333.18	1/2	2,966.18	1/2	2,599.17	1/2	2,232.16
3/4		3/4	5,152.65	3/4	4,793.57	3/4	4,426.56	3/4	4,059.55	3/4	3,692.55	3/4	3,325.54	3/4	2,958.53	3/4	2,591.52	3/4	2,224.51
4	4	4	5,147.27	4	4,785.93	4	4,418.92	4	4,051.91	4	3,684.90	4	3,317.89	4	2,950.89	4	2,583.88	4	2,216.87
1/4		1/4	5,140.76	1/4	4,778.28	1/4	4,411.27	1/4	4,044.26	1/4	3,677.25	1/4	3,310.24	1/4	2,943.24	1/4	2,576.23	1/4	2,209.22
1/2		1/2	5,134.25	1/2	4,770.63	1/2	4,403.62	1/2	4,036.62	1/2	3,669.61	1/2	3,302.60	1/2	2,935.59	1/2	2,568.58	1/2	2,201.58
3/4		3/4	5,127.73	3/4	4,762.99	3/4	4,395.98	3/4	4,028.97	3/4	3,661.96	3/4	3,294.95	3/4	2,927.95	3/4	2,560.94	3/4	2,193.93
5	5	5	5,121.22	5	4,755.34	5	4,388.33	5	4,021.33	5	3,654.32	5	3,287.31	5	2,920.30	5	2,553.29	5	2,186.29
1/4		1/4	5,113.86	1/4	4,747.69	1/4	4,380.68	1/4	4,013.68	1/4	3,646.67	1/4	3,279.66	1/4	2,912.65	1/4	2,545.64	1/4	2,178.64
1/2		1/2	5,106.50	1/2	4,740.05	1/2	4,373.04	1/2	4,006.03	1/2	3,639.02	1/2	3,272.02	1/2	2,905.01	1/2	2,538.00	1/2	2,170.99
3/4		3/4	5,099.13	3/4	4,732.40	3/4	4,365.39	3/4	3,998.39	3/4	3,631.38	3/4	3,264.37	3/4	2,897.36	3/4	2,530.35	3/4	2,163.35
6	6	6	5,091.77	6	4,724.76	6	4,357.75	6	3,990.74	6	3,623.73	6	3,256.73	6	2,889.72	6	2,522.71	6	2,155.70
1/4		1/4	5,084.12	1/4	4,717.11	1/4	4,350.10	1/4	3,983.09	1/4	3,616.08	1/4	3,249.08	1/4	2,882.07	1/4	2,515.06	1/4	2,148.05
1/2		1/2	5,076.48	1/2	4,709.46	1/2	4,342.46	1/2	3,975.45	1/2	3,608.44	1/2	3,241.43	1/2	2,874.42	1/2	2,507.42	1/2	2,140.41
3/4		3/4	5,068.83	3/4	4,701.82	3/4	4,334.81	3/4	3,967.80	3/4	3,600.79	3/4	3,233.79	3/4	2,866.78	3/4	2,499.77	3/4	2,132.76
7	7	7	5,061.18	7	4,694.17	7	4,327.17	7	3,960.16	7	3,593.15	7	3,226.14	7	2,859.13	7	2,492.13	7	2,125.12
1/4		1/4	5,053.54	1/4	4,686.52	1/4	4,319.52	1/4	3,952.51	1/4	3,585.50	1/4	3,218.49	1/4	2,851.48	1/4	2,484.48	1/4	2,117.47
1/2		1/2	5,045.89	1/2	4,678.88	1/2	4,311.87	1/2	3,944.86	1/2	3,577.86	1/2	3,210.85	1/2	2,843.84	1/2	2,476.83	1/2	2,109.82
3/4		3/4	5,038.25	3/4	4,671.23	3/4	4,304.23	3/4	3,937.22	3/4	3,570.21	3/4	3,203.20	3/4	2,836.19	3/4	2,469.19	3/4	2,102.18
8	8	8	5,030.60	8	4,663.59	8	4,296.58	8	3,929.57	8	3,562.57	8	3,195.56	8	2,828.55	8	2,461.54	8	2,094.53
1/4		1/4	5,022.95	1/4	4,655.94	1/4	4,288.93	1/4	3,921.92	1/4	3,554.92	1/4	3,187.91	1/4	2,820.90	1/4	2,453.89	1/4	2,086.88
1/2		1/2	5,015.31	1/2	4,648.30	1/2	4,281.29	1/2	3,914.28	1/2	3,547.27	1/2	3,180.26	1/2	2,813.26	1/2	2,446.25	1/2	2,079.24
3/4		3/4	5,007.66	3/4	4,640.65	3/4	4,273.64	3/4	3,906.63	3/4	3,539.63	3/4	3,172.62	3/4	2,805.61	3/4	2,438.60	3/4	2,071.59
9	9	9	5,000.01	9	4,633.01	9	4,266.00	9	3,898.99	9	3,531.98	9	3,164.97	9	2,797.97	9	2,430.96	9	2,063.95
1/4		1/4	4,992.37	1/4	4,625.36	1/4	4,258.35	1/4	3,891.34	1/4	3,524.33	1/4	3,157.32	1/4	2,790.32	1/4	2,423.31	1/4	2,056.30
1/2		1/2	4,984.72	1/2	4,617.71	1/2	4,250.70	1/2	3,883.70	1/2	3,516.69	1/2	3,149.68	1/2	2,782.67	1/2	2,415.66	1/2	2,048.66
3/4		3/4	4,977.08	3/4	4,610.07	3/4	4,243.06	3/4	3,876.05	3/4	3,509.04	3/4	3,142.03	3/4	2,775.03	3/4	2,408.02	3/4	2,041.01
10	10	10	4,969.43	10	4,602.42	10	4,235.41	10	3,868.41	10	3,501.40	10	3,134.39	10	2,767.38	10	2,400.37	10	2,033.37
1/4		1/4	4,961.79	1/4	4,594.77	1/4	4,227.76	1/4	3,860.76	1/4	3,493.75	1/4	3,126.74	1/4	2,759.73	1/4	2,392.72	1/4	2,025.72
1/2		1/2	4,954.14	1/2	4,587.13	1/2	4,220.12	1/2	3,853.11	1/2	3,486.10	1/2	3,119.10	1/2	2,752.09	1/2	2,385.08	1/2	2,018.07
3/4		3/4	5,210.22	3/4	4,946.50	3/4	4,579.48	3/4	4,212.47	3/4	3,845.47	3/4	3,478.46	3/4	3,111.45	3/4	2,744.44	3/4	2,377.43
11	11	11	4,938.85	11	4,571.84	11	4,204.83	11	3,837.82	11	3,470.81	11	3,103.81	11	2,736.80	11	2,369.79	11	2,002.78
1/4		1/4	5,208.88	1/4	4,931.20	1/4	4,564.19	1/4	4,197.18	1/4	3,830.17	1/4	3,463.16	1/4	3,096.16	1/4	2,729.15	1/4	2,362.14
1/2		1/2	5,207.97	1/2	4,923.56	1/2	4,556.54	1/2	4,189.54	1/2	3,822.53	1/2	3,455.52	1/2	3,088.51	1/2	2,721.50	1/2	2,354.50
3/4		3/4	5,207.05	3/4	4,915.91	3/4	4,548.90	3/4	4,181.89	3/4	3,814.88	3/4	3,447.87	3/4	3,080.87	3/4	2,713.86	3/4	2,346.85

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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" VALVE
GAUGE POINT: LOCATED NEAR GEOMETRIC CENTER OF TANK

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



BARGE "MM 140"

**1 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,972.20	0	1,605.19	0	1,238.18	0	871.17	0	504.29	0	156.76	0		0		0		0	
1/4	1,964.55	1/4	1,597.54	1/4	1,230.53	1/4	863.52	1/4	496.70	1/4	149.92	1/4		1/4		1/4		1/4	
1/2	1,956.90	1/2	1,589.90	1/2	1,222.89	1/2	855.88	1/2	489.12	1/2	143.09	1/2		1/2		1/2		1/2	
3/4	1,949.26	3/4	1,582.25	3/4	1,215.24	3/4	848.23	3/4	481.53	3/4	136.25	3/4		3/4		3/4		3/4	
1	1,941.61	1	1,574.61	1	1,207.60	1	840.59	1	473.95	1	129.42	1		1		1		1	
1/4	1,933.96	1/4	1,566.96	1/4	1,199.95	1/4	832.94	1/4	466.43	1/4	122.65	1/4		1/4		1/4		1/4	
1/2	1,926.32	1/2	1,559.31	1/2	1,192.30	1/2	825.30	1/2	458.91	1/2	115.87	1/2		1/2		1/2		1/2	
3/4	1,918.67	3/4	1,551.67	3/4	1,184.66	3/4	817.65	3/4	451.39	3/4	109.10	3/4		3/4		3/4		3/4	
2	1,911.03	2	1,544.02	2	1,177.01	2	810.01	2	443.87	2	102.33	2		2		2		2	
1/4	1,903.38	1/4	1,536.37	1/4	1,169.36	1/4	802.36	1/4	436.41	1/4	95.62	1/4		1/4		1/4		1/4	
1/2	1,895.74	1/2	1,528.73	1/2	1,161.72	1/2	794.71	1/2	428.95	1/2	88.91	1/2		1/2		1/2		1/2	
3/4	1,888.09	3/4	1,521.08	3/4	1,154.07	3/4	787.07	3/4	421.50	3/4	82.20	3/4		3/4		3/4		3/4	
3	1,880.45	3	1,513.44	3	1,146.43	3	779.42	3	414.04	3	75.49	3		3		3		3	
1/4	1,872.80	1/4	1,505.79	1/4	1,138.78	1/4	771.77	1/4	406.64	1/4	68.84	1/4		1/4		1/4		1/4	
1/2	1,865.15	1/2	1,498.14	1/2	1,131.14	1/2	764.13	1/2	399.24	1/2	62.19	1/2		1/2		1/2		1/2	
3/4	1,857.51	3/4	1,490.50	3/4	1,123.49	3/4	756.48	3/4	391.85	3/4	55.55	3/4		3/4		3/4		3/4	
4	1,849.86	4	1,482.85	4	1,115.85	4	748.84	4	384.45	4	48.90	4		4		4		4	
1/4	1,842.21	1/4	1,475.20	1/4	1,108.20	1/4	741.19	1/4	377.12	1/4	43.39	1/4		1/4		1/4		1/4	
1/2	1,834.57	1/2	1,467.56	1/2	1,100.55	1/2	733.54	1/2	369.78	1/2	37.88	1/2		1/2		1/2		1/2	
3/4	1,826.92	3/4	1,459.91	3/4	1,092.91	3/4	725.90	3/4	362.45	3/4	32.38	3/4		3/4		3/4		3/4	
5	1,819.28	5	1,452.27	5	1,085.26	5	718.25	5	355.12	5	26.87	5		5		5		5	
1/4	1,811.63	1/4	1,444.62	1/4	1,077.61	1/4	710.60	1/4	347.85	1/4	22.94	1/4		1/4		1/4		1/4	
1/2	1,803.98	1/2	1,436.98	1/2	1,069.97	1/2	702.96	1/2	340.57	1/2	19.00	1/2		1/2		1/2		1/2	
3/4	1,796.34	3/4	1,429.33	3/4	1,062.32	3/4	695.31	3/4	333.30	3/4	15.07	3/4		3/4		3/4		3/4	
6	1,788.69	6	1,421.69	6	1,054.68	6	687.67	6	326.03	6	11.14	6		6		6		6	
1/4	1,781.04	1/4	1,414.04	1/4	1,047.03	1/4	680.02	1/4	318.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,773.40	1/2	1,406.39	1/2	1,039.38	1/2	672.38	1/2	311.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,765.75	3/4	1,398.75	3/4	1,031.74	3/4	664.73	3/4	304.41	3/4		3/4		3/4		3/4		3/4	
7	1,758.11	7	1,391.10	7	1,024.09	7	657.09	7	297.20	7		7		7		7		7	
1/4	1,750.46	1/4	1,383.45	1/4	1,016.44	1/4	649.44	1/4	290.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,742.82	1/2	1,375.81	1/2	1,008.80	1/2	641.79	1/2	282.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,735.17	3/4	1,368.16	3/4	1,001.15	3/4	634.15	3/4	275.76	3/4		3/4		3/4		3/4		3/4	
8	1,727.53	8	1,360.52	8	993.51	8	626.50	8	268.61	8		8		8		8		8	
1/4	1,719.88	1/4	1,352.87	1/4	985.86	1/4	618.85	1/4	261.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,712.23	1/2	1,345.22	1/2	978.22	1/2	611.21	1/2	254.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,704.59	3/4	1,337.58	3/4	970.57	3/4	603.56	3/4	247.35	3/4		3/4		3/4		3/4		3/4	
9	1,696.94	9	1,329.93	9	962.93	9	595.92	9	240.27	9		9		9		9		9	
1/4	1,689.29	1/4	1,322.28	1/4	955.28	1/4	588.27	1/4	233.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,681.65	1/2	1,314.64	1/2	947.63	1/2	580.62	1/2	226.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,674.00	3/4	1,306.99	3/4	939.99	3/4	572.98	3/4	219.21	3/4		3/4		3/4		3/4		3/4	
10	1,666.36	10	1,299.35	10	932.34	10	565.33	10	212.19	10		10		10		10		10	
1/4	1,658.71	1/4	1,291.70	1/4	924.69	1/4	557.68	1/4	205.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,651.06	1/2	1,284.06	1/2	917.05	1/2	550.04	1/2	198.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,643.42	3/4	1,276.41	3/4	909.40	3/4	542.39	3/4	191.31	3/4		3/4		3/4		3/4		3/4	
11	1,635.77	11	1,268.77	11	901.76	11	534.75	11	184.35	11		11		11		11		11	
1/4	1,628.12	1/4	1,261.12	1/4	894.11	1/4	527.13	1/4	177.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,620.48	1/2	1,253.47	1/2	886.46	1/2	519.52	1/2	170.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,612.83	3/4	1,245.83	3/4	878.82	3/4	511.90	3/4	163.66	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/23/1999 INS
REPRINTED: 05/29/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2014

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



BARGE "MM 140"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	
0	0	4,925.86	0	4,647.67	0	4,303.79	0	3,958.91	0	3,614.03	0	3,269.15	0	2,924.27	0	2,579.39	0	2,234.51		
1/4	1/4	4,924.76	1/4	4,640.54	1/4	4,296.61	1/4	3,951.73	1/4	3,606.85	1/4	3,263.97	1/4	2,917.09	1/4	2,572.21	1/4	2,227.33		
1/2	1/2	4,922.64	1/2	4,633.40	1/2	4,289.42	1/2	3,944.54	1/2	3,599.66	1/2	3,254.78	1/2	2,909.90	1/2	2,565.02	1/2	2,220.14		
3/4	3/4	4,920.51	3/4	4,626.27	3/4	4,282.24	3/4	3,937.36	3/4	3,592.48	3/4	3,247.60	3/4	2,902.72	3/4	2,557.84	3/4	2,212.96		
1	1	4,918.39	1	4,619.13	1	4,275.05	1	3,930.17	1	3,585.29	1	3,240.41	1	2,895.53	1	2,550.65	1	2,205.77		
1/4	1/4	4,916.26	1/4	4,612.00	1/4	4,267.87	1/4	3,922.99	1/4	3,578.11	1/4	3,233.23	1/4	2,888.35	1/4	2,543.47	1/4	2,198.59		
1/2	1/2	4,913.07	1/2	4,604.86	1/2	4,260.68	1/2	3,915.80	1/2	3,570.92	1/2	3,226.04	1/2	2,881.16	1/2	2,536.28	1/2	2,191.40		
3/4	3/4	4,909.88	3/4	4,597.73	3/4	4,253.50	3/4	3,908.62	3/4	3,563.74	3/4	3,218.86	3/4	2,873.98	3/4	2,529.10	3/4	2,184.22		
2	2	4,906.68	2	4,590.59	2	4,246.31	2	3,901.43	2	3,556.55	2	3,211.67	2	2,866.79	2	2,521.91	2	2,177.03		
1/4	1/4	4,903.49	1/4	4,583.46	1/4	4,239.13	1/4	3,894.25	1/4	3,549.37	1/4	3,204.49	1/4	2,859.61	1/4	2,514.73	1/4	2,169.85		
1/2	1/2	4,899.24	1/2	4,576.32	1/2	4,231.94	1/2	3,887.06	1/2	3,542.18	1/2	3,197.30	1/2	2,852.42	1/2	2,507.54	1/2	2,162.66		
3/4	3/4	4,894.98	3/4	4,569.19	3/4	4,224.76	3/4	3,879.88	3/4	3,535.00	3/4	3,190.12	3/4	2,845.24	3/4	2,500.36	3/4	2,155.48		
3	3	4,890.73	3	4,562.05	3	4,217.57	3	3,872.69	3	3,527.81	3	3,182.93	3	2,838.05	3	2,493.17	3	2,148.29		
1/4	1/4	4,886.47	1/4	4,552.92	1/4	4,210.39	1/4	3,865.51	1/4	3,520.63	1/4	3,175.75	1/4	2,830.87	1/4	2,485.99	1/4	2,141.11		
1/2	1/2	4,881.15	1/2	4,547.78	1/2	4,203.20	1/2	3,858.32	1/2	3,513.44	1/2	3,168.56	1/2	2,823.68	1/2	2,478.80	1/2	2,133.92		
3/4	3/4	4,875.83	3/4	4,540.65	3/4	4,196.02	3/4	3,851.14	3/4	3,506.26	3/4	3,161.38	3/4	2,816.50	3/4	2,471.62	3/4	2,126.74		
4	4	4,870.51	4	4,533.51	4	4,188.83	4	3,843.95	4	3,499.07	4	3,154.19	4	2,809.31	4	2,464.43	4	2,119.55		
1/4	1/4	4,865.19	1/4	4,526.38	1/4	4,181.65	1/4	3,836.77	1/4	3,491.89	1/4	3,147.01	1/4	2,802.13	1/4	2,457.25	1/4	2,112.37		
1/2	1/2	4,858.84	1/2	4,519.23	1/2	4,174.46	1/2	3,829.58	1/2	3,484.70	1/2	3,139.82	1/2	2,794.94	1/2	2,450.06	1/2	2,105.18		
3/4	3/4	4,852.49	3/4	4,512.08	3/4	4,167.28	3/4	3,822.40	3/4	3,477.52	3/4	3,132.64	3/4	2,787.76	3/4	2,442.88	3/4	2,098.00		
5	5	4,846.14	5	4,504.94	5	4,160.09	5	3,815.21	5	3,470.33	5	3,125.45	5	2,780.57	5	2,435.69	5	2,090.81		
1/4	1/4	4,839.79	1/4	4,497.79	1/4	4,152.91	1/4	3,808.03	1/4	3,463.15	1/4	3,118.27	1/4	2,773.39	1/4	2,428.51	1/4	2,083.63		
1/2	1/2	4,832.79	1/2	4,490.60	1/2	4,145.72	1/2	3,800.84	1/2	3,455.96	1/2	3,111.08	1/2	2,766.20	1/2	2,421.32	1/2	2,076.44		
3/4	3/4	4,825.79	3/4	4,483.42	3/4	4,138.54	3/4	3,793.66	3/4	3,448.78	3/4	3,103.90	3/4	2,759.02	3/4	2,414.14	3/4	2,069.26		
6	6	4,818.78	6	4,476.23	6	4,131.35	6	3,786.47	6	3,441.59	6	3,096.71	6	2,751.83	6	2,406.95	6	2,062.07		
1/4	1/4	4,811.78	1/4	4,469.05	1/4	4,124.17	1/4	3,779.29	1/4	3,434.41	1/4	3,089.53	1/4	2,744.65	1/4	2,399.77	1/4	2,054.89		
1/2	1/2	4,804.65	1/2	4,461.86	1/2	4,116.98	1/2	3,772.10	1/2	3,427.22	1/2	3,082.34	1/2	2,737.46	1/2	2,392.58	1/2	2,047.70		
3/4	3/4	4,797.51	3/4	4,454.68	3/4	4,109.80	3/4	3,764.92	3/4	3,420.04	3/4	3,075.16	3/4	2,730.28	3/4	2,385.40	3/4	2,040.52		
7	7	4,790.38	7	4,447.49	7	4,102.61	7	3,757.73	7	3,412.85	7	3,067.97	7	2,723.09	7	2,378.21	7	2,033.33		
1/4	1/4	4,783.24	1/4	4,440.31	1/4	4,095.43	1/4	3,750.55	1/4	3,405.67	1/4	3,060.79	1/4	2,715.91	1/4	2,371.03	1/4	2,026.15		
1/2	1/2	4,776.11	1/2	4,433.12	1/2	4,088.24	1/2	3,743.36	1/2	3,398.48	1/2	3,053.60	1/2	2,708.72	1/2	2,363.84	1/2	2,018.96		
3/4	3/4	4,768.97	3/4	4,425.94	3/4	4,081.06	3/4	3,736.18	3/4	3,391.30	3/4	3,046.42	3/4	2,701.54	3/4	2,356.66	3/4	2,011.78		
8	8	4,761.84	8	4,418.75	8	4,073.87	8	3,728.99	8	3,384.11	8	3,039.23	8	2,694.35	8	2,349.47	8	2,004.59		
1/4	1/4	4,754.70	1/4	4,411.57	1/4	4,066.69	1/4	3,721.81	1/4	3,376.93	1/4	3,032.05	1/4	2,687.17	1/4	2,342.29	1/4	1,997.41		
1/2	1/2	4,747.57	1/2	4,404.38	1/2	4,059.50	1/2	3,714.62	1/2	3,369.74	1/2	3,024.86	1/2	2,679.98	1/2	2,335.10	1/2	1,990.22		
3/4	3/4	4,740.43	3/4	4,397.20	3/4	4,052.32	3/4	3,707.44	3/4	3,362.56	3/4	3,017.68	3/4	2,672.80	3/4	2,327.92	3/4	1,983.04		
9	9	4,733.30	9	4,390.01	9	4,045.13	9	3,700.25	9	3,355.37	9	3,010.49	9	2,665.61	9	2,320.73	9	1,975.85		
1/4	1/4	4,726.16	1/4	4,382.83	1/4	4,037.95	1/4	3,693.07	1/4	3,348.19	1/4	3,003.31	1/4	2,658.43	1/4	2,313.55	1/4	1,968.67		
1/2	1/2	4,719.03	1/2	4,375.64	1/2	4,030.76	1/2	3,685.88	1/2	3,341.00	1/2	2,996.12	1/2	2,651.24	1/2	2,306.36	1/2	1,961.48		
3/4	3/4	4,711.89	3/4	4,368.46	3/4	4,023.58	3/4	3,678.70	3/4	3,333.82	3/4	2,988.94	3/4	2,644.06	3/4	2,299.18	3/4	1,954.30		
10	10	4,704.76	10	4,361.27	10	4,016.39	10	3,671.51	10	3,326.63	10	2,981.75	10	2,636.87	10	2,291.99	10	1,947.11		
1/4	1/4	4,697.62	1/4	4,354.09	1/4	4,009.21	1/4	3,664.33	1/4	3,319.45	1/4	2,974.57	1/4	2,629.69	1/4	2,284.81	1/4	1,939.93		
1/2	1/2	4,690.49	1/2	4,346.90	1/2	4,002.02	1/2	3,657.14	1/2	3,312.26	1/2	2,967.38	1/2	2,622.50	1/2	2,277.62	1/2	1,932.74		
3/4	3/4	4,929.93	3/4	4,683.35	3/4	4,339.72	3/4	3,994.84	3/4	3,649.96	3/4	3,305.08	3/4	2,960.20	3/4	2,615.32	3/4	2,270.44	3/4	1,925.56
11	11	4,929.54	11	4,676.21	11	4,332.53	11	3,987.65	11	3,642.77	11	3,297.89	11	2,953.01	11	2,608.13	11	2,263.25	11	1,918.37
1/4	1/4	4,929.14	1/4	4,669.08	1/4	4,325.35	1/4	3,980.47	1/4	3,635.59	1/4	3,290.71	1/4	2,945.83	1/4	2,600.95	1/4	2,256.07	1/4	1,911.19
1/2	1/2	4,928.05	1/2	4,661.94	1/2	4,318.16	1/2	3,973.28	1/2	3,628.40	1/2	3,283.52	1/2	2,938.64	1/2	2,593.76	1/2	2,248.88	1/2	1,904.00
3/4	3/4	4,926.95	3/4	4,654.81	3/4	4,310.98	3/4	3,966.10	3/4	3,621.22	3/4	3,276.34	3/4	2,931.46	3/4	2,586.58	3/4	2,241.70	3/4	1,896.82

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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" VALVE
GAUGE POINT: LOCATED NEAR GEOMETRIC CENTER OF TANK

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



BARGE "MM 140"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,889.63	0	1,544.75	0	1,199.87	0	854.99	0	510.11	0	165.23	0		0				0	
1/4	1,882.45	1/4	1,537.57	1/4	1,192.69	1/4	847.81	1/4	502.93	1/4	158.05	1/4		1/4				1/4	
1/2	1,875.26	1/2	1,530.38	1/2	1,185.50	1/2	840.62	1/2	495.74	1/2	150.86	1/2		1/2				1/2	
3/4	1,868.08	3/4	1,523.20	3/4	1,178.32	3/4	833.44	3/4	488.56	3/4	143.68	3/4		3/4				3/4	
1	1,860.89	1	1,516.01	1	1,171.13	1	826.25	1	481.37	1	136.49	1		1				1	
1/4	1,853.71	1/4	1,508.83	1/4	1,163.95	1/4	819.07	1/4	474.19	1/4	129.31	1/4		1/4				1/4	
1/2	1,846.52	1/2	1,501.64	1/2	1,156.76	1/2	811.88	1/2	467.00	1/2	122.12	1/2		1/2				1/2	
3/4	1,839.34	3/4	1,494.46	3/4	1,149.58	3/4	804.70	3/4	459.82	3/4	114.94	3/4		3/4				3/4	
2	1,832.15	2	1,487.27	2	1,142.39	2	797.51	2	452.63	2	107.75	2		2				2	
1/4	1,824.97	1/4	1,480.09	1/4	1,135.21	1/4	790.33	1/4	445.45	1/4	100.57	1/4		1/4				1/4	
1/2	1,817.78	1/2	1,472.90	1/2	1,128.02	1/2	783.14	1/2	438.26	1/2	93.38	1/2		1/2				1/2	
3/4	1,810.60	3/4	1,465.72	3/4	1,120.84	3/4	775.96	3/4	431.08	3/4	86.20	3/4		3/4				3/4	
3	1,803.41	3	1,458.53	3	1,113.65	3	768.77	3	423.89	3	79.01	3		3				3	
1/4	1,796.23	1/4	1,451.35	1/4	1,106.47	1/4	761.59	1/4	416.71	1/4	71.83	1/4		1/4				1/4	
1/2	1,789.04	1/2	1,444.16	1/2	1,099.28	1/2	754.40	1/2	409.52	1/2	64.77	1/2		1/2				1/2	
3/4	1,781.86	3/4	1,436.98	3/4	1,092.10	3/4	747.22	3/4	402.34	3/4	57.71	3/4		3/4				3/4	
4	1,774.67	4	1,429.79	4	1,084.91	4	740.03	4	395.15	4	50.66	4		4				4	
1/4	1,767.49	1/4	1,422.61	1/4	1,077.73	1/4	732.85	1/4	387.97	1/4	43.60	1/4		1/4				1/4	
1/2	1,760.30	1/2	1,415.42	1/2	1,070.54	1/2	725.66	1/2	380.78	1/2	38.08	1/2		1/2				1/2	
3/4	1,753.12	3/4	1,408.24	3/4	1,063.36	3/4	718.48	3/4	373.60	3/4	32.57	3/4		3/4				3/4	
5	1,745.93	5	1,401.05	5	1,056.17	5	711.29	5	366.41	5	27.05	5		5				5	
1/4	1,738.75	1/4	1,393.87	1/4	1,048.99	1/4	704.11	1/4	359.23	1/4	21.54	1/4		1/4				1/4	
1/2	1,731.56	1/2	1,386.68	1/2	1,041.80	1/2	696.92	1/2	352.04	1/2	17.95	1/2		1/2				1/2	
3/4	1,724.38	3/4	1,379.50	3/4	1,034.62	3/4	689.74	3/4	344.86	3/4	14.35	3/4		3/4				3/4	
6	1,717.19	6	1,372.31	6	1,027.43	6	682.55	6	337.67	6	10.76	6		6				6	
1/4	1,710.01	1/4	1,365.13	1/4	1,020.25	1/4	675.37	1/4	330.49	1/4	7.17	1/4		1/4				1/4	
1/2	1,702.82	1/2	1,357.94	1/2	1,013.06	1/2	668.18	1/2	323.30	1/2		1/2		1/2				1/2	
3/4	1,695.64	3/4	1,350.76	3/4	1,005.88	3/4	661.00	3/4	316.12	3/4		3/4		3/4				3/4	
7	1,688.45	7	1,343.57	7	998.69	7	653.81	7	308.93	7		7		7				7	
1/4	1,681.27	1/4	1,336.39	1/4	991.51	1/4	646.63	1/4	301.75	1/4		1/4		1/4				1/4	
1/2	1,674.08	1/2	1,329.20	1/2	984.32	1/2	639.44	1/2	294.56	1/2		1/2		1/2				1/2	
3/4	1,666.90	3/4	1,322.02	3/4	977.14	3/4	632.26	3/4	287.38	3/4		3/4		3/4				3/4	
8	1,659.71	8	1,314.83	8	969.95	8	625.07	8	280.19	8		8		8				8	
1/4	1,652.53	1/4	1,307.65	1/4	962.77	1/4	617.89	1/4	273.01	1/4		1/4		1/4				1/4	
1/2	1,645.34	1/2	1,300.46	1/2	955.58	1/2	610.70	1/2	265.82	1/2		1/2		1/2				1/2	
3/4	1,638.16	3/4	1,293.28	3/4	948.40	3/4	603.52	3/4	258.64	3/4		3/4		3/4				3/4	
9	1,630.97	9	1,286.09	9	941.21	9	596.33	9	251.45	9		9		9				9	
1/4	1,623.79	1/4	1,278.91	1/4	934.03	1/4	589.15	1/4	244.27	1/4		1/4		1/4				1/4	
1/2	1,616.60	1/2	1,271.72	1/2	926.84	1/2	581.96	1/2	237.08	1/2		1/2		1/2				1/2	
3/4	1,609.42	3/4	1,264.54	3/4	919.66	3/4	574.78	3/4	229.90	3/4		3/4		3/4				3/4	
10	1,602.23	10	1,257.35	10	912.47	10	567.59	10	222.71	10		10		10				10	
1/4	1,595.05	1/4	1,250.17	1/4	905.29	1/4	560.41	1/4	215.53	1/4		1/4		1/4				1/4	
1/2	1,587.86	1/2	1,242.98	1/2	898.10	1/2	553.22	1/2	208.34	1/2		1/2		1/2				1/2	
3/4	1,580.68	3/4	1,235.80	3/4	890.92	3/4	546.04	3/4	201.16	3/4		3/4		3/4				3/4	
11	1,573.49	11	1,228.61	11	883.73	11	538.85	11	193.97	11		11		11				11	
1/4	1,566.31	1/4	1,221.43	1/4	876.55	1/4	531.67	1/4	186.79	1/4		1/4		1/4				1/4	
1/2	1,559.12	1/2	1,214.24	1/2	869.36	1/2	524.48	1/2	179.60	1/2		1/2		1/2				1/2	
3/4	1,551.94	3/4	1,207.06	3/4	862.18	3/4	517.30	3/4	172.42	3/4		3/4		3/4				3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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REPRINTED: 05/29/2014 CL

CANCELS AND SUPERCEDES
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PRECISION MEASUREMENT
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BARGE "MM 140"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

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	4,926.09	0	4,647.68	0	4,303.80	0	3,958.92	0	3,614.04	0	3,269.16	0	2,924.28	0	2,579.40	0	2,234.52		
1/4	1/4	4,924.23	1/4	4,645.54	1/4	4,296.61	1/4	3,951.73	1/4	3,606.85	1/4	3,261.97	1/4	2,917.09	1/4	2,572.21	1/4	2,227.33		
1/2	1/2	4,922.37	1/2	4,633.41	1/2	4,289.43	1/2	3,944.55	1/2	3,599.67	1/2	3,254.79	1/2	2,909.91	1/2	2,565.03	1/2	2,220.15		
3/4	3/4	4,920.51	3/4	4,626.27	3/4	4,282.24	3/4	3,937.36	3/4	3,592.48	3/4	3,247.60	3/4	2,902.72	3/4	2,557.84	3/4	2,212.96		
1	1	4,918.65	1	4,619.14	1	4,275.06	1	3,930.18	1	3,585.30	1	3,240.42	1	2,895.54	1	2,550.66	1	2,205.78		
1/4	1/4	4,915.73	1/4	4,612.00	1/4	4,267.87	1/4	3,922.99	1/4	3,578.11	1/4	3,233.23	1/4	2,888.35	1/4	2,543.47	1/4	2,198.59		
1/2	1/2	4,912.80	1/2	4,604.87	1/2	4,260.69	1/2	3,915.81	1/2	3,570.93	1/2	3,226.05	1/2	2,881.17	1/2	2,536.29	1/2	2,191.41		
3/4	3/4	4,909.88	3/4	4,597.73	3/4	4,253.50	3/4	3,908.62	3/4	3,563.74	3/4	3,218.86	3/4	2,873.98	3/4	2,529.10	3/4	2,184.22		
2	2	4,906.95	2	4,590.60	2	4,246.32	2	3,901.44	2	3,556.56	2	3,211.68	2	2,866.80	2	2,521.92	2	2,177.04		
1/4	1/4	4,902.96	1/4	4,583.46	1/4	4,239.13	1/4	3,894.25	1/4	3,549.37	1/4	3,204.49	1/4	2,859.61	1/4	2,514.73	1/4	2,169.85		
1/2	1/2	4,898.97	1/2	4,576.33	1/2	4,231.95	1/2	3,887.07	1/2	3,542.19	1/2	3,197.31	1/2	2,852.43	1/2	2,507.55	1/2	2,162.67		
3/4	3/4	4,894.98	3/4	4,569.19	3/4	4,224.76	3/4	3,879.88	3/4	3,535.00	3/4	3,190.12	3/4	2,845.24	3/4	2,500.36	3/4	2,155.48		
3	3	4,890.99	3	4,562.06	3	4,217.58	3	3,872.70	3	3,527.82	3	3,182.94	3	2,838.06	3	2,493.18	3	2,148.30		
1/4	1/4	4,885.94	1/4	4,552.92	1/4	4,210.39	1/4	3,865.51	1/4	3,520.63	1/4	3,175.75	1/4	2,830.87	1/4	2,485.99	1/4	2,141.11		
1/2	1/2	4,880.88	1/2	4,547.79	1/2	4,203.21	1/2	3,858.33	1/2	3,513.45	1/2	3,168.57	1/2	2,823.69	1/2	2,478.81	1/2	2,133.93		
3/4	3/4	4,875.83	3/4	4,540.65	3/4	4,196.02	3/4	3,851.14	3/4	3,506.26	3/4	3,161.38	3/4	2,816.50	3/4	2,471.62	3/4	2,126.74		
4	4	4,870.77	4	4,533.52	4	4,188.84	4	3,843.96	4	3,499.08	4	3,154.20	4	2,809.32	4	2,464.44	4	2,119.56		
1/4	1/4	4,864.68	1/4	4,526.38	1/4	4,181.65	1/4	3,836.77	1/4	3,491.89	1/4	3,147.01	1/4	2,802.13	1/4	2,457.25	1/4	2,112.37		
1/2	1/2	4,858.58	1/2	4,519.25	1/2	4,174.47	1/2	3,829.59	1/2	3,484.71	1/2	3,139.83	1/2	2,794.95	1/2	2,450.07	1/2	2,105.19		
3/4	3/4	4,852.49	3/4	4,512.11	3/4	4,167.28	3/4	3,822.40	3/4	3,477.52	3/4	3,132.64	3/4	2,787.76	3/4	2,442.88	3/4	2,098.00		
5	5	4,846.39	5	4,504.98	5	4,160.10	5	3,815.22	5	3,470.34	5	3,125.46	5	2,780.58	5	2,435.70	5	2,090.82		
1/4	1/4	4,839.52	1/4	4,497.79	1/4	4,152.91	1/4	3,808.03	1/4	3,463.15	1/4	3,118.27	1/4	2,773.39	1/4	2,428.51	1/4	2,083.63		
1/2	1/2	4,832.66	1/2	4,490.61	1/2	4,145.73	1/2	3,800.85	1/2	3,455.97	1/2	3,111.09	1/2	2,766.21	1/2	2,421.33	1/2	2,076.45		
3/4	3/4	4,825.79	3/4	4,483.42	3/4	4,138.54	3/4	3,793.66	3/4	3,448.78	3/4	3,103.90	3/4	2,759.02	3/4	2,414.14	3/4	2,069.26		
6	6	4,818.92	6	4,476.24	6	4,131.36	6	3,786.48	6	3,441.60	6	3,096.72	6	2,751.84	6	2,406.96	6	2,062.08		
1/4	1/4	4,811.79	1/4	4,469.05	1/4	4,124.17	1/4	3,779.29	1/4	3,434.41	1/4	3,089.53	1/4	2,744.65	1/4	2,399.77	1/4	2,054.89		
1/2	1/2	4,804.65	1/2	4,461.87	1/2	4,116.99	1/2	3,772.11	1/2	3,427.23	1/2	3,082.35	1/2	2,737.47	1/2	2,392.59	1/2	2,047.71		
3/4	3/4	4,797.52	3/4	4,454.68	3/4	4,109.80	3/4	3,764.92	3/4	3,420.04	3/4	3,075.16	3/4	2,730.28	3/4	2,385.40	3/4	2,040.52		
7	7	4,790.38	7	4,447.50	7	4,102.62	7	3,757.74	7	3,412.86	7	3,067.98	7	2,723.10	7	2,378.22	7	2,033.34		
1/4	1/4	4,783.25	1/4	4,440.31	1/4	4,095.43	1/4	3,750.55	1/4	3,405.67	1/4	3,060.79	1/4	2,715.91	1/4	2,371.03	1/4	2,026.15		
1/2	1/2	4,776.11	1/2	4,433.13	1/2	4,088.25	1/2	3,743.37	1/2	3,398.49	1/2	3,053.61	1/2	2,708.73	1/2	2,363.85	1/2	2,018.97		
3/4	3/4	4,768.98	3/4	4,425.94	3/4	4,081.06	3/4	3,736.18	3/4	3,391.30	3/4	3,046.42	3/4	2,701.54	3/4	2,356.66	3/4	2,011.78		
8	8	4,761.84	8	4,418.76	8	4,073.88	8	3,729.00	8	3,384.12	8	3,039.24	8	2,694.36	8	2,349.48	8	2,004.60		
1/4	1/4	4,754.71	1/4	4,411.57	1/4	4,066.69	1/4	3,721.81	1/4	3,376.93	1/4	3,032.05	1/4	2,687.17	1/4	2,342.29	1/4	1,997.41		
1/2	1/2	4,747.57	1/2	4,404.39	1/2	4,059.51	1/2	3,714.63	1/2	3,369.75	1/2	3,024.87	1/2	2,679.99	1/2	2,335.11	1/2	1,990.23		
3/4	3/4	4,740.44	3/4	4,397.20	3/4	4,052.32	3/4	3,707.44	3/4	3,362.56	3/4	3,017.68	3/4	2,672.80	3/4	2,327.92	3/4	1,983.04		
9	9	4,733.30	9	4,390.02	9	4,045.14	9	3,700.26	9	3,355.38	9	3,010.50	9	2,665.62	9	2,320.74	9	1,975.86		
1/4	1/4	4,726.17	1/4	4,382.83	1/4	4,037.95	1/4	3,693.07	1/4	3,348.19	1/4	3,003.31	1/4	2,658.43	1/4	2,313.55	1/4	1,968.67		
1/2	1/2	4,719.03	1/2	4,375.65	1/2	4,030.77	1/2	3,685.89	1/2	3,341.01	1/2	2,996.13	1/2	2,651.25	1/2	2,306.37	1/2	1,961.49		
3/4	3/4	4,711.90	3/4	4,368.46	3/4	4,023.58	3/4	3,678.70	3/4	3,333.82	3/4	2,988.94	3/4	2,644.06	3/4	2,299.18	3/4	1,954.30		
10	10	4,704.76	10	4,361.28	10	4,016.40	10	3,671.52	10	3,326.64	10	2,981.76	10	2,636.88	10	2,292.00	10	1,947.12		
1/4	1/4	4,697.63	1/4	4,354.09	1/4	4,009.21	1/4	3,664.33	1/4	3,319.45	1/4	2,974.57	1/4	2,629.69	1/4	2,284.81	1/4	1,939.93		
1/2	1/2	4,690.49	1/2	4,346.91	1/2	4,002.03	1/2	3,657.15	1/2	3,312.27	1/2	2,967.39	1/2	2,622.51	1/2	2,277.63	1/2	1,932.75		
3/4	3/4	4,929.93	3/4	4,683.36	3/4	4,339.72	3/4	3,994.84	3/4	3,649.96	3/4	3,305.08	3/4	2,960.20	3/4	2,615.32	3/4	2,270.44	3/4	1,925.56
11	11	4,929.53	11	4,676.22	11	4,332.54	11	3,987.66	11	3,642.78	11	3,297.90	11	2,953.02	11	2,608.14	11	2,263.26	11	1,918.38
1/4	1/4	4,928.67	1/4	4,669.09	1/4	4,325.35	1/4	3,980.47	1/4	3,635.59	1/4	3,290.71	1/4	2,945.83	1/4	2,600.95	1/4	2,256.07	1/4	1,911.19
1/2	1/2	4,927.81	1/2	4,661.95	1/2	4,318.17	1/2	3,973.29	1/2	3,628.41	1/2	3,283.53	1/2	2,938.65	1/2	2,593.77	1/2	2,248.89	1/2	1,904.01
3/4	3/4	4,926.95	3/4	4,654.82	3/4	4,310.98	3/4	3,966.10	3/4	3,621.22	3/4	3,276.34	3/4	2,931.46	3/4	2,586.58	3/4	2,241.70	3/4	1,896.82

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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" VALVE
 GAUGE POINT: LOCATED NEAR GEOMETRIC CENTER OF TANK

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

Paul Johnson



BARGE "MM 140"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,889.64	0	1,544.76	0	1,199.88	0	855.00	0	510.12	0	165.24	0		0		0		0	
1/4	1,882.45	1/4	1,537.57	1/4	1,192.69	1/4	847.81	1/4	502.93	1/4	158.05	1/4		1/4		1/4		1/4	
1/2	1,875.27	1/2	1,530.39	1/2	1,185.51	1/2	840.63	1/2	495.75	1/2	150.87	1/2		1/2		1/2		1/2	
3/4	1,868.08	3/4	1,523.20	3/4	1,178.32	3/4	833.44	3/4	488.56	3/4	143.68	3/4		3/4		3/4		3/4	
1	1,860.90	1	1,516.02	1	1,171.14	1	826.26	1	481.38	1	136.50	1		1		1		1	
1/4	1,853.71	1/4	1,508.83	1/4	1,163.95	1/4	819.07	1/4	474.19	1/4	129.31	1/4		1/4		1/4		1/4	
1/2	1,846.53	1/2	1,501.65	1/2	1,156.77	1/2	811.89	1/2	467.01	1/2	122.13	1/2		1/2		1/2		1/2	
3/4	1,839.34	3/4	1,494.46	3/4	1,149.58	3/4	804.70	3/4	459.82	3/4	114.94	3/4		3/4		3/4		3/4	
2	1,832.16	2	1,487.28	2	1,142.40	2	797.52	2	452.64	2	107.76	2		2		2		2	
1/4	1,824.97	1/4	1,480.09	1/4	1,135.21	1/4	790.33	1/4	445.45	1/4	100.57	1/4		1/4		1/4		1/4	
1/2	1,817.79	1/2	1,472.91	1/2	1,128.03	1/2	783.15	1/2	438.27	1/2	93.39	1/2		1/2		1/2		1/2	
3/4	1,810.60	3/4	1,465.72	3/4	1,120.84	3/4	775.96	3/4	431.08	3/4	86.20	3/4		3/4		3/4		3/4	
3	1,803.42	3	1,458.54	3	1,113.66	3	768.78	3	423.90	3	79.02	3		3		3		3	
1/4	1,796.23	1/4	1,451.35	1/4	1,106.47	1/4	761.59	1/4	416.71	1/4	71.83	1/4		1/4		1/4		1/4	
1/2	1,789.05	1/2	1,444.17	1/2	1,099.29	1/2	754.41	1/2	409.53	1/2	64.65	1/2		1/2		1/2		1/2	
3/4	1,781.86	3/4	1,436.98	3/4	1,092.10	3/4	747.22	3/4	402.34	3/4	57.46	3/4		3/4		3/4		3/4	
4	1,774.68	4	1,429.80	4	1,084.92	4	740.04	4	395.16	4	50.28	4		4		4		4	
1/4	1,767.49	1/4	1,422.61	1/4	1,077.73	1/4	732.85	1/4	387.97	1/4	44.38	1/4		1/4		1/4		1/4	
1/2	1,760.31	1/2	1,415.43	1/2	1,070.55	1/2	725.67	1/2	380.79	1/2	38.47	1/2		1/2		1/2		1/2	
3/4	1,753.12	3/4	1,408.24	3/4	1,063.36	3/4	718.48	3/4	373.60	3/4	32.57	3/4		3/4		3/4		3/4	
5	1,745.94	5	1,401.06	5	1,056.18	5	711.30	5	366.42	5	26.67	5		5		5		5	
1/4	1,738.75	1/4	1,393.87	1/4	1,048.99	1/4	704.11	1/4	359.23	1/4	22.56	1/4		1/4		1/4		1/4	
1/2	1,731.57	1/2	1,386.69	1/2	1,041.81	1/2	696.93	1/2	352.05	1/2	18.46	1/2		1/2		1/2		1/2	
3/4	1,724.38	3/4	1,379.50	3/4	1,034.62	3/4	689.74	3/4	344.86	3/4	14.35	3/4		3/4		3/4		3/4	
6	1,717.20	6	1,372.32	6	1,027.44	6	682.56	6	337.68	6	10.25	6		6		6		6	
1/4	1,710.01	1/4	1,365.13	1/4	1,020.25	1/4	675.37	1/4	330.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,702.83	1/2	1,357.95	1/2	1,013.07	1/2	668.19	1/2	323.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,695.64	3/4	1,350.76	3/4	1,005.88	3/4	661.00	3/4	316.12	3/4		3/4		3/4		3/4		3/4	
7	1,688.46	7	1,343.58	7	998.70	7	653.82	7	308.94	7		7		7		7		7	
1/4	1,681.27	1/4	1,336.39	1/4	991.51	1/4	646.63	1/4	301.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,674.09	1/2	1,329.21	1/2	984.33	1/2	639.45	1/2	294.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,666.90	3/4	1,322.02	3/4	977.14	3/4	632.26	3/4	287.38	3/4		3/4		3/4		3/4		3/4	
8	1,659.72	8	1,314.84	8	969.96	8	625.08	8	280.20	8		8		8		8		8	
1/4	1,652.53	1/4	1,307.65	1/4	962.77	1/4	617.89	1/4	273.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,645.35	1/2	1,300.47	1/2	955.59	1/2	610.71	1/2	265.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,638.16	3/4	1,293.28	3/4	948.40	3/4	603.52	3/4	258.64	3/4		3/4		3/4		3/4		3/4	
9	1,630.98	9	1,286.10	9	941.22	9	596.34	9	251.46	9		9		9		9		9	
1/4	1,623.79	1/4	1,278.91	1/4	934.03	1/4	589.15	1/4	244.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,616.61	1/2	1,271.73	1/2	926.85	1/2	581.97	1/2	237.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,609.42	3/4	1,264.54	3/4	919.66	3/4	574.78	3/4	229.90	3/4		3/4		3/4		3/4		3/4	
10	1,602.24	10	1,257.36	10	912.48	10	567.60	10	222.72	10		10		10		10		10	
1/4	1,595.05	1/4	1,250.17	1/4	905.29	1/4	560.41	1/4	215.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,587.87	1/2	1,242.99	1/2	898.11	1/2	553.23	1/2	208.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,580.68	3/4	1,235.80	3/4	890.92	3/4	546.04	3/4	201.16	3/4		3/4		3/4		3/4		3/4	
11	1,573.50	11	1,228.62	11	883.74	11	538.86	11	193.98	11		11		11		11		11	
1/4	1,566.31	1/4	1,221.43	1/4	876.55	1/4	531.67	1/4	186.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,559.13	1/2	1,214.25	1/2	869.37	1/2	524.49	1/2	179.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,551.94	3/4	1,207.06	3/4	862.18	3/4	517.30	3/4	172.42	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/23/1999 INS
REPRINTED: 05/29/2014 CL

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2014



BARGE "MM 140"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	4,699.64	0	4,494.78	0	4,242.11	0	3,989.43	0	3,736.77	0	3,450.33	0	3,086.11	0	2,721.89	0	2,357.66	
1/4	1/4	4,698.48	1/4	4,489.52	1/4	4,236.84	1/4	3,984.17	1/4	3,731.50	1/4	3,442.75	1/4	3,078.53	1/4	2,714.30	1/4	2,350.07	
1/2	1/2	4,697.31	1/2	4,484.25	1/2	4,231.58	1/2	3,978.90	1/2	3,726.24	1/2	3,435.16	1/2	3,070.94	1/2	2,706.71	1/2	2,342.49	
3/4	3/4	4,696.14	3/4	4,478.99	3/4	4,226.32	3/4	3,973.64	3/4	3,720.97	3/4	3,427.57	3/4	3,063.35	3/4	2,699.12	3/4	2,334.90	
1	1	4,694.20	1	4,473.73	1	4,221.05	1	3,968.38	1	3,715.71	1	3,419.98	1	3,055.76	1	2,691.53	1	2,327.31	
1/4	1/4	4,692.25	1/4	4,468.46	1/4	4,215.79	1/4	3,963.11	1/4	3,710.45	1/4	3,414.40	1/4	3,048.18	1/4	2,683.94	1/4	2,319.72	
1/2	1/2	4,690.31	1/2	4,463.20	1/2	4,210.52	1/2	3,957.85	1/2	3,705.18	1/2	3,404.81	1/2	3,040.59	1/2	2,676.36	1/2	2,312.14	
3/4	3/4	4,688.36	3/4	4,457.93	3/4	4,205.26	3/4	3,952.59	3/4	3,699.92	3/4	3,397.22	3/4	3,033.00	3/4	2,668.77	3/4	2,304.55	
2	2	4,685.63	2	4,452.67	2	4,199.99	2	3,947.32	2	3,694.66	2	3,389.63	2	3,025.41	2	2,661.18	2	2,296.96	
1/4	1/4	4,682.91	1/4	4,447.41	1/4	4,194.73	1/4	3,942.06	1/4	3,689.39	1/4	3,382.05	1/4	3,017.82	1/4	2,653.59	1/4	2,289.37	
1/2	1/2	4,680.18	1/2	4,442.14	1/2	4,189.46	1/2	3,936.80	1/2	3,684.13	1/2	3,374.46	1/2	3,010.23	1/2	2,646.01	1/2	2,281.79	
3/4	3/4	4,677.45	3/4	4,436.88	3/4	4,184.20	3/4	3,931.53	3/4	3,678.86	3/4	3,366.87	3/4	3,002.64	3/4	2,638.42	3/4	2,274.20	
3	3	4,673.94	3	4,431.62	3	4,178.94	3	3,926.27	3	3,673.60	3	3,359.28	3	2,995.05	3	2,630.83	3	2,266.61	
1/4	1/4	4,670.44	1/4	4,426.35	1/4	4,173.67	1/4	3,921.01	1/4	3,668.33	1/4	3,351.70	1/4	2,987.47	1/4	2,623.24	1/4	2,259.02	
1/2	1/2	4,666.93	1/2	4,421.09	1/2	4,168.41	1/2	3,915.74	1/2	3,663.07	1/2	3,344.11	1/2	2,979.88	1/2	2,615.66	1/2	2,251.43	
3/4	3/4	4,663.42	3/4	4,415.82	3/4	4,163.15	3/4	3,910.48	3/4	3,657.80	3/4	3,336.52	3/4	2,972.29	3/4	2,608.07	3/4	2,243.84	
4	4	4,659.13	4	4,410.56	4	4,157.88	4	3,905.22	4	3,652.54	4	3,328.93	4	2,964.70	4	2,600.48	4	2,236.25	
1/4	1/4	4,654.84	1/4	4,405.29	1/4	4,152.62	1/4	3,900.95	1/4	3,647.28	1/4	3,321.34	1/4	2,957.12	1/4	2,592.89	1/4	2,228.66	
1/2	1/2	4,650.55	1/2	4,400.03	1/2	4,147.35	1/2	3,894.69	1/2	3,642.01	1/2	3,313.75	1/2	2,949.53	1/2	2,585.31	1/2	2,221.08	
3/4	3/4	4,646.26	3/4	4,394.76	3/4	4,142.09	3/4	3,889.42	3/4	3,636.75	3/4	3,306.16	3/4	2,941.94	3/4	2,577.72	3/4	2,213.49	
5	5	4,641.29	5	4,389.50	5	4,136.83	5	3,884.16	5	3,631.39	5	3,298.57	5	2,934.35	5	2,570.73	5	2,205.90	
1/4	1/4	4,636.32	1/4	4,384.24	1/4	4,131.56	1/4	3,878.89	1/4	3,626.03	1/4	3,290.99	1/4	2,926.76	1/4	2,562.54	1/4	2,198.31	
1/2	1/2	4,631.35	1/2	4,378.97	1/2	4,126.30	1/2	3,873.63	1/2	3,620.66	1/2	3,283.40	1/2	2,919.18	1/2	2,554.95	1/2	2,190.73	
3/4	3/4	4,626.38	3/4	4,373.71	3/4	4,121.04	3/4	3,868.36	3/4	3,615.30	3/4	3,275.81	3/4	2,911.59	3/4	2,547.36	3/4	2,183.14	
6	6	4,621.12	6	4,368.45	6	4,115.77	6	3,863.10	6	3,609.61	6	3,268.22	6	2,904.00	6	2,539.77	6	2,175.55	
1/4	1/4	4,615.85	1/4	4,363.18	1/4	4,110.51	1/4	3,857.84	1/4	3,603.91	1/4	3,260.64	1/4	2,896.41	1/4	2,532.18	1/4	2,167.96	
1/2	1/2	4,610.59	1/2	4,357.92	1/2	4,105.24	1/2	3,852.57	1/2	3,598.22	1/2	3,253.05	1/2	2,888.83	1/2	2,524.60	1/2	2,160.38	
3/4	3/4	4,605.32	3/4	4,352.65	3/4	4,099.98	3/4	3,847.31	3/4	3,592.52	3/4	3,245.46	3/4	2,881.24	3/4	2,517.01	3/4	2,152.79	
7	7	4,600.06	7	4,347.39	7	4,094.71	7	3,842.05	7	3,586.48	7	3,237.87	7	2,873.65	7	2,509.42	7	2,145.20	
1/4	1/4	4,594.80	1/4	4,342.13	1/4	4,089.45	1/4	3,836.78	1/4	3,580.44	1/4	3,230.29	1/4	2,866.06	1/4	2,501.83	1/4	2,137.61	
1/2	1/2	4,589.53	1/2	4,336.86	1/2	4,084.18	1/2	3,831.52	1/2	3,574.40	1/2	3,222.70	1/2	2,858.47	1/2	2,494.25	1/2	2,130.03	
3/4	3/4	4,584.27	3/4	4,331.60	3/4	4,078.92	3/4	3,826.25	3/4	3,568.36	3/4	3,215.11	3/4	2,850.88	3/4	2,486.66	3/4	2,122.44	
8	8	4,579.01	8	4,326.34	8	4,073.66	8	3,820.99	8	3,561.98	8	3,207.52	8	2,843.29	8	2,479.07	8	2,114.85	
1/4	1/4	4,573.74	1/4	4,321.07	1/4	4,068.39	1/4	3,815.73	1/4	3,555.59	1/4	3,199.94	1/4	2,835.70	1/4	2,471.48	1/4	2,107.26	
1/2	1/2	4,568.48	1/2	4,315.81	1/2	4,063.13	1/2	3,810.46	1/2	3,549.21	1/2	3,192.35	1/2	2,828.12	1/2	2,463.90	1/2	2,099.67	
3/4	3/4	4,563.21	3/4	4,310.54	3/4	4,057.87	3/4	3,805.20	3/4	3,542.82	3/4	3,184.76	3/4	2,820.53	3/4	2,456.31	3/4	2,092.08	
9	9	4,557.95	9	4,305.28	9	4,052.60	9	3,799.94	9	3,536.09	9	3,177.17	9	2,812.94	9	2,448.72	9	2,084.49	
1/4	1/4	4,552.69	1/4	4,300.01	1/4	4,047.34	1/4	3,794.67	1/4	3,529.36	1/4	3,169.58	1/4	2,805.35	1/4	2,441.13	1/4	2,076.90	
1/2	1/2	4,547.42	1/2	4,294.74	1/2	4,042.07	1/2	3,789.41	1/2	3,522.63	1/2	3,161.99	1/2	2,797.77	1/2	2,433.55	1/2	2,069.32	
3/4	3/4	4,542.16	3/4	4,289.48	3/4	4,036.81	3/4	3,784.14	3/4	3,515.90	3/4	3,154.40	3/4	2,790.18	3/4	2,425.96	3/4	2,061.73	
10	10	4,536.90	10	4,284.22	10	4,031.55	10	3,778.88	10	3,508.83	10	3,146.81	10	2,782.59	10	2,418.37	10	2,054.14	
1/4	1/4	4,531.63	1/4	4,278.95	1/4	4,026.28	1/4	3,773.61	1/4	3,501.75	1/4	3,139.23	1/4	2,775.00	1/4	2,410.78	1/4	2,046.55	
1/2	1/2	4,526.37	1/2	4,273.69	1/2	4,021.02	1/2	3,768.35	1/2	3,494.68	1/2	3,131.64	1/2	2,767.42	1/2	2,403.19	1/2	2,038.97	
3/4	3/4	4,702.65	3/4	4,521.10	3/4	4,268.43	3/4	4,015.76	3/4	3,763.08	3/4	3,487.60	3/4	3,124.05	3/4	2,759.83	3/4	2,395.60	
11	11	4,702.19	11	4,515.84	11	4,263.16	11	4,010.49	11	3,757.82	11	3,480.18	11	3,116.46	11	2,752.24	11	2,388.01	
1/4	1/4	4,701.73	1/4	4,510.57	1/4	4,257.90	1/4	4,005.23	1/4	3,752.56	1/4	3,472.76	1/4	3,108.88	1/4	2,744.65	1/4	2,380.42	
1/2	1/2	4,701.27	1/2	4,505.31	1/2	4,252.63	1/2	3,999.96	1/2	3,747.29	1/2	3,465.34	1/2	3,101.29	1/2	2,737.07	1/2	2,372.84	
3/4	3/4	4,700.81	3/4	4,500.04	3/4	4,247.37	3/4	3,994.70	3/4	3,742.03	3/4	3,457.92	3/4	3,093.70	3/4	2,729.48	3/4	2,365.25	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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" VALVE
 GAUGE POINT: LOCATED NEAR GEOMETRIC CENTER OF TANK

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



BARGE "MM 140"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,985.85	1/4	1,621.62	1/4	1,257.40	1/4	893.84	1/4	530.73	1/4	166.74	1/4		1/4		1/4		1/4	
1/2	1,978.27	1/2	1,614.04	1/2	1,249.82	1/2	886.29	1/2	523.15	1/2	159.16	1/2		1/2		1/2		1/2	
3/4	1,970.68	3/4	1,606.45	3/4	1,242.23	3/4	878.74	3/4	515.57	3/4	151.58	3/4		3/4		3/4		3/4	
1	1,963.09	1	1,598.86	1	1,234.64	1	871.19	1	507.98	1	144.00	1	1	1	1	1	1	1	1
1/4	1,955.50	1/4	1,591.27	1/4	1,227.05	1/4	863.63	1/4	500.40	1/4	136.41	1/4		1/4		1/4		1/4	
1/2	1,947.91	1/2	1,583.69	1/2	1,219.47	1/2	856.08	1/2	492.81	1/2	128.83	1/2		1/2		1/2		1/2	
3/4	1,940.32	3/4	1,576.10	3/4	1,211.88	3/4	848.53	3/4	485.23	3/4	121.25	3/4		3/4		3/4		3/4	
2	1,932.73	2	1,568.51	2	1,204.29	2	840.98	2	477.65	2	113.67	2	2	2	2	2	2	2	2
1/4	1,925.14	1/4	1,560.92	1/4	1,196.70	1/4	833.42	1/4	470.06	1/4	106.08	1/4		1/4		1/4		1/4	
1/2	1,917.56	1/2	1,553.34	1/2	1,189.11	1/2	825.87	1/2	462.48	1/2	98.50	1/2		1/2		1/2		1/2	
3/4	1,909.97	3/4	1,545.75	3/4	1,181.52	3/4	818.32	3/4	454.90	3/4	90.92	3/4		3/4		3/4		3/4	
3	1,902.38	3	1,538.16	3	1,173.93	3	810.76	3	447.32	3	83.34	3	3	3	3	3	3	3	3
1/4	1,894.79	1/4	1,530.57	1/4	1,166.34	1/4	803.21	1/4	439.73	1/4	75.75	1/4		1/4		1/4		1/4	
1/2	1,887.21	1/2	1,522.99	1/2	1,158.76	1/2	795.65	1/2	432.15	1/2	68.17	1/2		1/2		1/2		1/2	
3/4	1,879.62	3/4	1,515.40	3/4	1,151.17	3/4	788.10	3/4	424.57	3/4	60.59	3/4		3/4		3/4		3/4	
4	1,872.03	4	1,507.81	4	1,143.58	4	780.55	4	416.99	4	53.82	4	4	4	4	4	4	4	4
1/4	1,864.44	1/4	1,500.22	1/4	1,135.99	1/4	772.99	1/4	409.40	1/4	47.05	1/4		1/4		1/4		1/4	
1/2	1,856.86	1/2	1,492.63	1/2	1,128.41	1/2	765.44	1/2	401.82	1/2	40.28	1/2		1/2		1/2		1/2	
3/4	1,849.27	3/4	1,485.04	3/4	1,120.82	3/4	757.89	3/4	394.24	3/4	33.51	3/4		3/4		3/4		3/4	
5	1,841.68	5	1,477.45	5	1,113.23	5	750.34	5	386.66	5	28.64	5	5	5	5	5	5	5	5
1/4	1,834.09	1/4	1,469.86	1/4	1,105.64	1/4	742.78	1/4	379.07	1/4	23.76	1/4		1/4		1/4		1/4	
1/2	1,826.51	1/2	1,462.28	1/2	1,098.06	1/2	735.23	1/2	371.49	1/2	18.89	1/2		1/2		1/2		1/2	
3/4	1,818.92	3/4	1,454.69	3/4	1,090.47	3/4	727.68	3/4	363.91	3/4	14.02	3/4		3/4		3/4		3/4	
6	1,811.33	6	1,447.10	6	1,082.88	6	720.13	6	356.32	6		6	6	6	6	6	6	6	6
1/4	1,803.74	1/4	1,439.51	1/4	1,075.29	1/4	712.57	1/4	348.74	1/4		1/4		1/4		1/4		1/4	
1/2	1,796.15	1/2	1,431.93	1/2	1,067.71	1/2	705.02	1/2	341.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,788.56	3/4	1,424.34	3/4	1,060.12	3/4	697.47	3/4	333.57	3/4		3/4		3/4		3/4		3/4	
7	1,780.97	7	1,416.75	7	1,052.54	7	689.91	7	325.99	7	7	7	7	7	7	7	7	7	7
1/4	1,773.38	1/4	1,409.16	1/4	1,044.96	1/4	682.35	1/4	318.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,765.80	1/2	1,401.58	1/2	1,037.38	1/2	674.79	1/2	310.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,758.21	3/4	1,393.99	3/4	1,029.80	3/4	667.23	3/4	303.24	3/4		3/4		3/4		3/4		3/4	
8	1,750.62	8	1,386.40	8	1,022.25	8	659.64	8	295.66	8	8	8	8	8	8	8	8	8	8
1/4	1,743.03	1/4	1,378.81	1/4	1,014.69	1/4	652.06	1/4	288.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,735.45	1/2	1,371.23	1/2	1,007.14	1/2	644.47	1/2	280.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,727.86	3/4	1,363.64	3/4	999.59	3/4	636.89	3/4	272.91	3/4		3/4		3/4		3/4		3/4	
9	1,720.27	9	1,356.05	9	992.04	9	629.31	9	265.33	9	9	9	9	9	9	9	9	9	9
1/4	1,712.68	1/4	1,348.46	1/4	984.48	1/4	621.72	1/4	257.74	1/4		1/4		1/4		1/4		1/4	
1/2	1,705.10	1/2	1,340.87	1/2	976.93	1/2	614.14	1/2	250.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,697.51	3/4	1,333.28	3/4	969.38	3/4	606.56	3/4	242.58	3/4		3/4		3/4		3/4		3/4	
10	1,689.92	10	1,325.69	10	961.82	10	598.98	10	235.00	10	10	10	10	10	10	10	10	10	10
1/4	1,682.33	1/4	1,318.10	1/4	954.27	1/4	591.39	1/4	227.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,674.75	1/2	1,310.52	1/2	946.71	1/2	583.81	1/2	219.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,667.16	3/4	1,302.93	3/4	939.16	3/4	576.23	3/4	212.25	3/4		3/4		3/4		3/4		3/4	
11	1,659.57	11	1,295.34	11	931.61	11	568.65	11	204.66	11	11	11	11	11	11	11	11	11	11
1/4	1,651.98	1/4	1,287.75	1/4	924.05	1/4	561.06	1/4	197.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,644.39	1/2	1,280.17	1/2	916.50	1/2	553.48	1/2	189.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,636.80	3/4	1,272.58	3/4	908.95	3/4	545.90	3/4	181.91	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/23/1999 INS
REPRINTED: 05/29/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "MM 140"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	4,699.64	0	4,494.78	0	4,242.11	0	3,989.43	0	3,736.77	0	3,450.33	0	3,086.11	0	2,721.89	0	2,357.66	
1/4		4,698.48	1/4	4,489.52	1/4	4,236.84	1/4	3,984.17	1/4	3,731.50	1/4	3,442.75	1/4	3,078.53	1/4	2,714.30	1/4	2,350.07	
1/2		4,697.31	1/2	4,484.25	1/2	4,231.58	1/2	3,978.90	1/2	3,726.24	1/2	3,435.16	1/2	3,070.94	1/2	2,706.71	1/2	2,342.49	
3/4		4,696.14	3/4	4,478.99	3/4	4,226.32	3/4	3,973.64	3/4	3,720.97	3/4	3,427.57	3/4	3,063.35	3/4	2,699.12	3/4	2,334.90	
1	1	4,694.20	1	4,473.73	1	4,221.05	1	3,968.38	1	3,715.71	1	3,419.98	1	3,055.76	1	2,691.53	1	2,327.31	
1/4		4,692.25	1/4	4,468.46	1/4	4,215.79	1/4	3,963.11	1/4	3,710.45	1/4	3,414.40	1/4	3,048.18	1/4	2,683.94	1/4	2,319.72	
1/2		4,690.31	1/2	4,463.20	1/2	4,210.52	1/2	3,957.85	1/2	3,705.18	1/2	3,404.81	1/2	3,040.59	1/2	2,676.36	1/2	2,312.14	
3/4		4,688.36	3/4	4,457.93	3/4	4,205.26	3/4	3,952.59	3/4	3,699.92	3/4	3,397.22	3/4	3,033.00	3/4	2,668.77	3/4	2,304.55	
2	2	4,685.63	2	4,452.67	2	4,199.99	2	3,947.32	2	3,694.66	2	3,389.63	2	3,025.41	2	2,661.18	2	2,296.96	
1/4		4,682.91	1/4	4,447.41	1/4	4,194.73	1/4	3,942.06	1/4	3,689.39	1/4	3,382.05	1/4	3,017.82	1/4	2,653.59	1/4	2,289.37	
1/2		4,680.18	1/2	4,442.14	1/2	4,189.46	1/2	3,936.80	1/2	3,684.13	1/2	3,374.46	1/2	3,010.23	1/2	2,646.01	1/2	2,281.79	
3/4		4,677.45	3/4	4,436.88	3/4	4,184.20	3/4	3,931.53	3/4	3,678.86	3/4	3,366.87	3/4	3,002.64	3/4	2,638.42	3/4	2,274.20	
3	3	4,673.94	3	4,431.62	3	4,178.94	3	3,926.27	3	3,673.60	3	3,359.28	3	2,995.05	3	2,630.83	3	2,266.61	
1/4		4,670.44	1/4	4,426.35	1/4	4,173.67	1/4	3,921.01	1/4	3,668.33	1/4	3,351.70	1/4	2,987.47	1/4	2,623.24	1/4	2,259.02	
1/2		4,666.93	1/2	4,421.09	1/2	4,168.41	1/2	3,915.74	1/2	3,663.07	1/2	3,344.11	1/2	2,979.88	1/2	2,615.66	1/2	2,251.43	
3/4		4,663.42	3/4	4,415.82	3/4	4,163.15	3/4	3,910.48	3/4	3,657.80	3/4	3,336.52	3/4	2,972.29	3/4	2,608.07	3/4	2,243.84	
4	4	4,659.13	4	4,410.56	4	4,157.88	4	3,905.22	4	3,652.54	4	3,328.93	4	2,964.70	4	2,600.48	4	2,236.25	
1/4		4,654.84	1/4	4,405.29	1/4	4,152.61	1/4	3,900.95	1/4	3,647.28	1/4	3,321.34	1/4	2,957.12	1/4	2,592.89	1/4	2,228.66	
1/2		4,650.55	1/2	4,400.03	1/2	4,147.35	1/2	3,894.69	1/2	3,642.01	1/2	3,313.75	1/2	2,949.53	1/2	2,585.31	1/2	2,221.08	
3/4		4,646.26	3/4	4,394.76	3/4	4,142.09	3/4	3,889.42	3/4	3,636.75	3/4	3,306.16	3/4	2,941.94	3/4	2,577.72	3/4	2,213.49	
5	5	4,641.29	5	4,389.50	5	4,136.83	5	3,884.16	5	3,631.39	5	3,298.57	5	2,934.35	5	2,570.13	5	2,205.90	
1/4		4,636.32	1/4	4,384.24	1/4	4,131.56	1/4	3,878.89	1/4	3,626.03	1/4	3,290.99	1/4	2,926.76	1/4	2,562.54	1/4	2,198.31	
1/2		4,631.35	1/2	4,378.97	1/2	4,126.30	1/2	3,873.63	1/2	3,620.66	1/2	3,283.40	1/2	2,919.18	1/2	2,554.95	1/2	2,190.73	
3/4		4,626.38	3/4	4,373.71	3/4	4,121.04	3/4	3,868.36	3/4	3,615.30	3/4	3,275.81	3/4	2,911.59	3/4	2,547.36	3/4	2,183.14	
6	6	4,621.12	6	4,368.45	6	4,115.77	6	3,863.10	6	3,609.61	6	3,268.22	6	2,904.00	6	2,539.77	6	2,175.55	
1/4		4,615.85	1/4	4,363.18	1/4	4,110.51	1/4	3,857.84	1/4	3,603.91	1/4	3,260.64	1/4	2,896.41	1/4	2,532.18	1/4	2,167.96	
1/2		4,610.59	1/2	4,357.92	1/2	4,105.24	1/2	3,852.57	1/2	3,598.22	1/2	3,253.05	1/2	2,888.83	1/2	2,524.60	1/2	2,160.38	
3/4		4,605.32	3/4	4,352.65	3/4	4,099.98	3/4	3,847.31	3/4	3,592.52	3/4	3,245.46	3/4	2,881.24	3/4	2,517.01	3/4	2,152.79	
7	7	4,600.06	7	4,347.39	7	4,094.71	7	3,842.05	7	3,586.48	7	3,237.87	7	2,873.65	7	2,509.42	7	2,145.20	
1/4		4,594.80	1/4	4,342.13	1/4	4,089.45	1/4	3,836.78	1/4	3,580.44	1/4	3,230.29	1/4	2,866.06	1/4	2,501.83	1/4	2,137.61	
1/2		4,589.53	1/2	4,336.86	1/2	4,084.18	1/2	3,831.52	1/2	3,574.40	1/2	3,222.70	1/2	2,858.47	1/2	2,494.25	1/2	2,130.03	
3/4		4,584.27	3/4	4,331.60	3/4	4,078.92	3/4	3,826.25	3/4	3,568.36	3/4	3,215.11	3/4	2,850.88	3/4	2,486.66	3/4	2,122.44	
8	8	4,579.01	8	4,326.34	8	4,073.66	8	3,820.99	8	3,561.98	8	3,207.52	8	2,843.29	8	2,479.07	8	2,114.85	
1/4		4,573.74	1/4	4,321.07	1/4	4,068.39	1/4	3,815.73	1/4	3,555.59	1/4	3,199.94	1/4	2,835.70	1/4	2,471.48	1/4	2,107.26	
1/2		4,568.48	1/2	4,315.81	1/2	4,063.13	1/2	3,810.46	1/2	3,549.21	1/2	3,192.35	1/2	2,828.12	1/2	2,463.90	1/2	2,099.67	
3/4		4,563.21	3/4	4,310.54	3/4	4,057.87	3/4	3,805.20	3/4	3,542.82	3/4	3,184.76	3/4	2,820.53	3/4	2,456.31	3/4	2,092.08	
9	9	4,557.95	9	4,305.28	9	4,052.60	9	3,799.94	9	3,536.09	9	3,177.17	9	2,812.94	9	2,448.72	9	2,084.49	
1/4		4,552.69	1/4	4,300.01	1/4	4,047.34	1/4	3,794.67	1/4	3,529.36	1/4	3,169.58	1/4	2,805.35	1/4	2,441.13	1/4	2,076.90	
1/2		4,547.42	1/2	4,294.74	1/2	4,042.07	1/2	3,789.41	1/2	3,522.63	1/2	3,161.99	1/2	2,797.77	1/2	2,433.55	1/2	2,069.32	
3/4		4,542.16	3/4	4,289.48	3/4	4,036.81	3/4	3,784.14	3/4	3,515.90	3/4	3,154.40	3/4	2,790.18	3/4	2,425.96	3/4	2,061.73	
10	10	4,536.90	10	4,284.22	10	4,031.55	10	3,778.88	10	3,508.83	10	3,146.81	10	2,782.59	10	2,418.37	10	2,054.14	
1/4		4,531.63	1/4	4,278.95	1/4	4,026.28	1/4	3,773.61	1/4	3,501.75	1/4	3,139.23	1/4	2,775.00	1/4	2,410.78	1/4	2,046.55	
1/2		4,526.37	1/2	4,273.69	1/2	4,021.02	1/2	3,768.35	1/2	3,494.68	1/2	3,131.64	1/2	2,767.42	1/2	2,403.19	1/2	2,038.97	
3/4		4,702.65	3/4	4,521.10	3/4	4,268.43	3/4	4,015.76	3/4	3,763.08	3/4	3,487.60	3/4	3,124.05	3/4	2,759.83	3/4	2,395.60	
11	11	4,702.19	11	4,515.84	11	4,263.16	11	4,010.49	11	3,757.82	11	3,480.18	11	3,116.46	11	2,752.24	11	2,388.01	
1/4		4,701.73	1/4	4,510.57	1/4	4,257.90	1/4	4,005.23	1/4	3,752.56	1/4	3,472.76	1/4	3,108.88	1/4	2,744.65	1/4	2,380.42	
1/2		4,701.27	1/2	4,505.31	1/2	4,252.63	1/2	3,999.96	1/2	3,747.29	1/2	3,465.34	1/2	3,101.29	1/2	2,737.07	1/2	2,372.84	
3/4		4,700.81	3/4	4,500.04	3/4	4,247.37	3/4	3,994.70	3/4	3,742.03	3/4	3,457.92	3/4	3,093.70	3/4	2,729.48	3/4	2,365.25	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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" VALVE
GAUGE POINT: LOCATED NEAR GEOMETRIC CENTER OF TANK

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



BARGE "MM 140"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,993.44	0	1,629.21	0	1,264.99	0	901.40	0	538.32	0	174.33	0		0		0		0	
1/4	1,985.85	1/4	1,621.62	1/4	1,257.40	1/4	893.84	1/4	530.73	1/4	166.74	1/4		1/4		1/4		1/4	
1/2	1,978.27	1/2	1,614.04	1/2	1,249.82	1/2	886.29	1/2	523.15	1/2	159.16	1/2		1/2		1/2		1/2	
3/4	1,970.68	3/4	1,606.45	3/4	1,242.23	3/4	878.74	3/4	515.57	3/4	151.58	3/4		3/4		3/4		3/4	
1	1,963.09	1	1,598.86	1	1,234.64	1	871.19	1	507.98	1	144.00	1		1		1		1	
1/4	1,955.50	1/4	1,591.27	1/4	1,227.05	1/4	863.63	1/4	500.40	1/4	136.41	1/4		1/4		1/4		1/4	
1/2	1,947.91	1/2	1,583.69	1/2	1,219.47	1/2	856.08	1/2	492.81	1/2	128.83	1/2		1/2		1/2		1/2	
3/4	1,940.32	3/4	1,576.10	3/4	1,211.88	3/4	848.53	3/4	485.23	3/4	121.25	3/4		3/4		3/4		3/4	
2	1,932.73	2	1,568.51	2	1,204.29	2	840.98	2	477.65	2	113.67	2		2		2		2	
1/4	1,925.14	1/4	1,560.92	1/4	1,196.70	1/4	833.42	1/4	470.06	1/4	106.08	1/4		1/4		1/4		1/4	
1/2	1,917.56	1/2	1,553.34	1/2	1,189.11	1/2	825.87	1/2	462.48	1/2	98.50	1/2		1/2		1/2		1/2	
3/4	1,909.97	3/4	1,545.75	3/4	1,181.52	3/4	818.32	3/4	454.90	3/4	90.92	3/4		3/4		3/4		3/4	
3	1,902.38	3	1,538.16	3	1,173.93	3	810.76	3	447.32	3	83.34	3		3		3		3	
1/4	1,894.79	1/4	1,530.57	1/4	1,166.34	1/4	803.21	1/4	439.73	1/4	75.75	1/4		1/4		1/4		1/4	
1/2	1,887.21	1/2	1,522.99	1/2	1,158.76	1/2	795.65	1/2	432.15	1/2	68.17	1/2		1/2		1/2		1/2	
3/4	1,879.62	3/4	1,515.40	3/4	1,151.17	3/4	788.10	3/4	424.57	3/4	60.59	3/4		3/4		3/4		3/4	
4	1,872.03	4	1,507.81	4	1,143.58	4	780.55	4	416.99	4	53.82	4		4		4		4	
1/4	1,864.44	1/4	1,500.22	1/4	1,135.99	1/4	772.99	1/4	409.40	1/4	47.05	1/4		1/4		1/4		1/4	
1/2	1,856.86	1/2	1,492.63	1/2	1,128.41	1/2	765.44	1/2	401.82	1/2	40.28	1/2		1/2		1/2		1/2	
3/4	1,849.27	3/4	1,485.04	3/4	1,120.82	3/4	757.89	3/4	394.24	3/4	33.51	3/4		3/4		3/4		3/4	
5	1,841.68	5	1,477.45	5	1,113.23	5	750.34	5	386.66	5	28.64	5		5		5		5	
1/4	1,834.09	1/4	1,469.86	1/4	1,105.64	1/4	742.78	1/4	379.07	1/4	23.76	1/4		1/4		1/4		1/4	
1/2	1,826.51	1/2	1,462.28	1/2	1,098.06	1/2	735.23	1/2	371.49	1/2	18.89	1/2		1/2		1/2		1/2	
3/4	1,818.92	3/4	1,454.69	3/4	1,090.47	3/4	727.68	3/4	363.91	3/4	14.02	3/4		3/4		3/4		3/4	
6	1,811.33	6	1,447.10	6	1,082.88	6	720.13	6	356.32	6		6		6		6		6	
1/4	1,803.74	1/4	1,439.51	1/4	1,075.29	1/4	712.57	1/4	348.74	1/4		1/4		1/4		1/4		1/4	
1/2	1,796.15	1/2	1,431.93	1/2	1,067.71	1/2	705.02	1/2	341.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,788.56	3/4	1,424.34	3/4	1,060.12	3/4	697.47	3/4	333.57	3/4		3/4		3/4		3/4		3/4	
7	1,780.97	7	1,416.75	7	1,052.54	7	689.91	7	325.99	7		7		7		7		7	
1/4	1,773.38	1/4	1,409.16	1/4	1,044.96	1/4	682.35	1/4	318.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,765.80	1/2	1,401.58	1/2	1,037.38	1/2	674.79	1/2	310.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,758.21	3/4	1,393.99	3/4	1,029.80	3/4	667.23	3/4	303.24	3/4		3/4		3/4		3/4		3/4	
8	1,750.62	8	1,386.40	8	1,022.25	8	659.64	8	295.66	8		8		8		8		8	
1/4	1,743.03	1/4	1,378.81	1/4	1,014.69	1/4	652.06	1/4	288.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,735.45	1/2	1,371.23	1/2	1,007.14	1/2	644.47	1/2	280.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,727.86	3/4	1,363.64	3/4	999.59	3/4	636.89	3/4	272.91	3/4		3/4		3/4		3/4		3/4	
9	1,720.27	9	1,356.05	9	992.04	9	629.31	9	265.33	9		9		9		9		9	
1/4	1,712.68	1/4	1,348.46	1/4	984.48	1/4	621.72	1/4	257.74	1/4		1/4		1/4		1/4		1/4	
1/2	1,705.10	1/2	1,340.87	1/2	976.93	1/2	614.14	1/2	250.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,697.51	3/4	1,333.28	3/4	969.38	3/4	606.56	3/4	242.58	3/4		3/4		3/4		3/4		3/4	
10	1,689.92	10	1,325.69	10	961.82	10	598.98	10	235.00	10		10		10		10		10	
1/4	1,682.33	1/4	1,318.10	1/4	954.27	1/4	591.39	1/4	227.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,674.75	1/2	1,310.52	1/2	946.71	1/2	583.81	1/2	219.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,667.16	3/4	1,302.93	3/4	939.16	3/4	576.23	3/4	212.25	3/4		3/4		3/4		3/4		3/4	
11	1,659.57	11	1,295.34	11	931.61	11	568.65	11	204.66	11		11		11		11		11	
1/4	1,651.98	1/4	1,287.75	1/4	924.05	1/4	561.06	1/4	197.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,644.39	1/2	1,280.17	1/2	916.50	1/2	553.48	1/2	189.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,636.80	3/4	1,272.58	3/4	908.95	3/4	545.90	3/4	181.91	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/23/1999 INS
REPRINTED: 05/29/2014 CL

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