



BARGE "407"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
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	- 00-1/4	00-1/4
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	- 00-3/8	00-3/8
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	- 00-3/8	00-3/8
3 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
3 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
4 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
4 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
5 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
5 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
6 PORT	00-5/8	- 00-5/8	01-3/8	- 01-3/8	02-0/8	- 02-0/8	02-5/8	- 02-5/8	03-1/4	- 03-1/4	04-0/8	- 04-0/8
6 STBD	00-5/8	- 00-5/8	01-3/8	- 01-3/8	02-0/8	- 02-0/8	02-5/8	- 02-5/8	03-1/4	- 03-1/4	04-0/8	- 04-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 222'-06"

June 30, 2023

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

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BARGE "407"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	1,827.47	0	1,644.54	0	1,480.17	0	1,315.71	0	1,151.26	0	986.80	0	822.34	0	657.88
1/4		1/4		1/4	1,822.84	1/4	1,641.13	1/4	1,476.74	1/4	1,312.29	1/4	1,147.83	1/4	983.37	1/4	818.91	1/4	654.46
1/2		1/2		1/2	1,818.21	1/2	1,637.71	1/2	1,473.32	1/2	1,308.86	1/2	1,144.40	1/2	979.95	1/2	815.49	1/2	651.03
3/4		3/4		3/4	1,813.58	3/4	1,634.29	3/4	1,469.89	3/4	1,305.43	3/4	1,140.98	3/4	976.52	3/4	812.06	3/4	647.60
1		1		1	1,808.92	1	1,630.88	1	1,466.47	1	1,302.01	1	1,137.55	1	973.09	1	808.64	1	644.18
1/4		1/4		1/4	1,804.26	1/4	1,627.46	1/4	1,463.04	1/4	1,298.58	1/4	1,134.12	1/4	969.67	1/4	805.21	1/4	640.75
1/2		1/2		1/2	1,799.61	1/2	1,624.04	1/2	1,459.61	1/2	1,295.16	1/2	1,130.70	1/2	966.24	1/2	801.78	1/2	637.33
3/4		3/4		3/4	1,794.95	3/4	1,620.62	3/4	1,456.19	3/4	1,291.73	3/4	1,127.27	3/4	962.81	3/4	798.36	3/4	633.90
2		2		2	1,790.26	2	1,617.20	2	1,452.76	2	1,288.30	2	1,123.85	2	959.39	2	794.93	2	630.47
1/4		1/4		1/4	1,785.57	1/4	1,613.78	1/4	1,449.34	1/4	1,284.88	1/4	1,120.42	1/4	955.96	1/4	791.50	1/4	627.05
1/2		1/2		1/2	1,780.88	1/2	1,610.37	1/2	1,445.91	1/2	1,281.45	1/2	1,116.99	1/2	952.54	1/2	788.08	1/2	623.62
3/4		3/4		3/4	1,776.19	3/4	1,606.95	3/4	1,442.48	3/4	1,278.03	3/4	1,113.57	3/4	949.11	3/4	784.65	3/4	620.19
3		3		3	1,771.79	3	1,603.52	3	1,439.06	3	1,274.60	3	1,110.14	3	945.68	3	781.23	3	616.77
1/4		1/4		1/4	1,767.40	1/4	1,600.09	1/4	1,435.63	1/4	1,271.17	1/4	1,106.72	1/4	942.26	1/4	777.80	1/4	613.34
1/2		1/2		1/2	1,763.01	1/2	1,596.66	1/2	1,432.20	1/2	1,267.75	1/2	1,103.29	1/2	938.83	1/2	774.37	1/2	609.92
3/4		3/4		3/4	1,758.61	3/4	1,593.24	3/4	1,428.78	3/4	1,264.32	3/4	1,099.86	3/4	935.41	3/4	770.95	3/4	606.49
4		4		4	1,754.87	4	1,589.81	4	1,425.35	4	1,260.89	4	1,096.44	4	931.98	4	767.52	4	603.06
1/4		1/4		1/4	1,751.13	1/4	1,586.38	1/4	1,421.93	1/4	1,257.47	1/4	1,093.01	1/4	928.55	1/4	764.10	1/4	599.64
1/2		1/2		1/2	1,747.39	1/2	1,582.96	1/2	1,418.50	1/2	1,254.04	1/2	1,089.58	1/2	925.13	1/2	760.67	1/2	596.21
3/4		3/4		3/4	1,743.64	3/4	1,579.53	3/4	1,415.07	3/4	1,250.62	3/4	1,086.16	3/4	921.70	3/4	757.24	3/4	592.78
5		5		5	1,740.23	5	1,576.10	5	1,411.65	5	1,247.19	5	1,082.73	5	918.27	5	753.82	5	589.36
1/4		1/4		1/4	1,736.81	1/4	1,572.68	1/4	1,408.22	1/4	1,243.76	1/4	1,079.31	1/4	914.85	1/4	750.39	1/4	585.93
1/2		1/2		1/2	1,733.39	1/2	1,569.25	1/2	1,404.79	1/2	1,240.34	1/2	1,075.88	1/2	911.42	1/2	746.96	1/2	582.50
3/4		3/4		3/4	1,729.97	3/4	1,565.83	3/4	1,401.37	3/4	1,236.91	3/4	1,072.45	3/4	908.00	3/4	743.54	3/4	579.08
6		6		6	1,726.56	6	1,562.40	6	1,397.94	6	1,233.48	6	1,069.03	6	904.57	6	740.11	6	575.65
1/4		1/4		1/4	1,723.14	1/4	1,558.97	1/4	1,394.52	1/4	1,230.06	1/4	1,065.60	1/4	901.14	1/4	736.69	1/4	572.22
1/2		1/2		1/2	1,719.72	1/2	1,555.55	1/2	1,391.09	1/2	1,226.63	1/2	1,062.17	1/2	897.72	1/2	733.26	1/2	568.80
3/4		3/4	1,913.55	3/4	1,716.31	3/4	1,552.12	3/4	1,387.66	3/4	1,223.21	3/4	1,058.75	3/4	894.29	3/4	729.83	3/4	565.37
7		7	1,910.37	7	1,712.89	7	1,548.70	7	1,384.24	7	1,219.78	7	1,055.32	7	890.86	7	726.41	7	561.96
1/4		1/4	1,907.18	1/4	1,709.47	1/4	1,545.27	1/4	1,380.81	1/4	1,216.35	1/4	1,051.90	1/4	887.44	1/4	722.98	1/4	558.55
1/2		1/2	1,903.99	1/2	1,706.05	1/2	1,541.84	1/2	1,377.39	1/2	1,212.93	1/2	1,048.47	1/2	884.01	1/2	719.55	1/2	555.14
3/4		3/4	1,900.80	3/4	1,702.64	3/4	1,538.42	3/4	1,373.96	3/4	1,209.50	3/4	1,045.04	3/4	880.59	3/4	716.13	3/4	551.73
8		8	1,897.06	8	1,699.22	8	1,534.99	8	1,370.53	8	1,206.08	8	1,041.62	8	877.16	8	712.70	8	548.36
1/4		1/4	1,893.31	1/4	1,695.80	1/4	1,531.56	1/4	1,367.11	1/4	1,202.65	1/4	1,038.19	1/4	873.73	1/4	709.28	1/4	544.98
1/2		1/2	1,889.56	1/2	1,692.38	1/2	1,528.14	1/2	1,363.68	1/2	1,199.22	1/2	1,034.77	1/2	870.31	1/2	705.85	1/2	541.60
3/4		3/4	1,885.82	3/4	1,688.97	3/4	1,524.71	3/4	1,360.25	3/4	1,195.80	3/4	1,031.34	3/4	866.88	3/4	702.42	3/4	538.23
9		9	1,881.54	9	1,685.55	9	1,521.29	9	1,356.83	9	1,192.37	9	1,027.91	9	863.46	9	699.00	9	534.87
1/4		1/4	1,877.26	1/4	1,682.13	1/4	1,517.86	1/4	1,353.40	1/4	1,188.94	1/4	1,024.49	1/4	860.03	1/4	695.57	1/4	531.51
1/2		1/2	1,872.98	1/2	1,678.72	1/2	1,514.43	1/2	1,349.98	1/2	1,185.52	1/2	1,021.06	1/2	856.60	1/2	692.15	1/2	528.15
3/4		3/4	1,868.71	3/4	1,675.30	3/4	1,511.01	3/4	1,346.55	3/4	1,182.09	3/4	1,017.63	3/4	853.18	3/4	688.72	3/4	524.79
10		10	1,864.15	10	1,671.88	10	1,507.58	10	1,343.12	10	1,178.67	10	1,014.21	10	849.75	10	685.29	10	521.43
1/4		1/4	1,859.60	1/4	1,668.46	1/4	1,504.15	1/4	1,339.70	1/4	1,175.24	1/4	1,010.78	1/4	846.32	1/4	681.87	1/4	518.07
1/2		1/2	1,855.04	1/2	1,665.05	1/2	1,500.73	1/2	1,336.27	1/2	1,171.81	1/2	1,007.36	1/2	842.90	1/2	678.44	1/2	514.70
3/4		3/4	1,850.49	3/4	1,661.63	3/4	1,497.30	3/4	1,332.84	3/4	1,168.39	3/4	1,003.93	3/4	839.47	3/4	675.01	3/4	511.34
11		11	1,845.89	11	1,658.21	11	1,493.88	11	1,329.42	11	1,164.96	11	1,000.50	11	836.05	11	671.59	11	507.98
1/4		1/4	1,841.29	1/4	1,654.80	1/4	1,490.45	1/4	1,325.99	1/4	1,161.53	1/4	997.08	1/4	832.62	1/4	668.16	1/4	504.62
1/2		1/2	1,836.70	1/2	1,651.38	1/2	1,487.02	1/2	1,322.57	1/2	1,158.11	1/2	993.65	1/2	829.19	1/2	664.74	1/2	501.26
3/4		3/4	1,832.10	3/4	1,647.96	3/4	1,483.60	3/4	1,319.14	3/4	1,154.68	3/4	990.22	3/4	825.77	3/4	661.31	3/4	497.90

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-6" OFF CENTERLINE AND 18'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "407"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	494.54	0	332.14	0	167.68	0		0		0		0		0		0		0	
1/4	491.18	1/4	328.71	1/4	164.25	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	487.82	1/2	325.29	1/2	160.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	484.46	3/4	321.86	3/4	157.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	481.10	1	318.43	1	153.97	1		1		1		1		1		1		1	
1/4	477.74	1/4	315.01	1/4	150.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	474.38	1/2	311.58	1/2	147.12	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	471.02	3/4	308.15	3/4	143.70	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	467.66	2	304.73	2	140.27	2		2		2		2		2		2		2	
1/4	464.30	1/4	301.30	1/4	136.84	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	460.94	1/2	297.88	1/2	133.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	457.58	3/4	294.45	3/4	129.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	454.22	3	291.02	3	126.57	3		3		3		3		3		3		3	
1/4	450.86	1/4	287.60	1/4	123.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	447.50	1/2	284.17	1/2	119.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	444.14	3/4	280.74	3/4	116.30	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	440.78	4	277.32	4	112.88	4		4		4		4		4		4		4	
1/4	437.42	1/4	273.89	1/4	109.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	434.06	1/2	270.47	1/2	106.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	430.69	3/4	267.04	3/4	102.62	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	427.33	5	263.61	5	99.20	5		5		5		5		5		5		5	
1/4	423.97	1/4	260.19	1/4	95.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	420.61	1/2	256.76	1/2	92.37	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	417.25	3/4	253.33	3/4	88.96	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	413.88	6	249.91	6	85.55	6		6		6		6		6		6		6	
1/4	410.50	1/4	246.48	1/4	82.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	407.12	1/2	243.06	1/2	78.74	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	403.75	3/4	239.63	3/4	75.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	400.36	7	236.20	7	71.94	7		7		7		7		7		7		7	
1/4	396.96	1/4	232.78	1/4	68.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393.57	1/2	229.35	1/2	65.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	390.18	3/4	225.93	3/4	61.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	386.79	8	222.50	8	58.37	8		8		8		8		8		8		8	
1/4	383.40	1/4	219.07	1/4	55.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	380.00	1/2	215.65	1/2	51.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	376.61	3/4	212.22	3/4	48.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	373.20	9	208.79	9	44.99	9		9		9		9		9		9		9	
1/4	369.79	1/4	205.37	1/4	41.74	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	366.38	1/2	201.94	1/2	38.49	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	362.97	3/4	198.52	3/4	35.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	359.55	10	195.09	10	32.38	10		10		10		10		10		10		10	
1/4	356.12	1/4	191.66	1/4	29.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	352.69	1/2	188.24	1/2	26.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	349.27	3/4	184.81	3/4	23.83	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	345.84	11	181.38	11	21.54	11		11		11		11		11		11		11	
1/4	342.42	1/4	177.96	1/4	19.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	338.99	1/2	174.53	1/2	16.97	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	335.56	3/4	171.11	3/4	14.69	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/15/2008 CL - SW
CALCULATED: 04/16/2008 CL
VERIFIED: 06/30/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "407"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	1,822.83	0	1,641.13	0	1,476.75	0	1,312.29	0	1,147.83	0	983.37	0	818.92	0	654.46
1/4		1/4		1/4	1,818.20	1/4	1,637.71	1/4	1,473.32	1/4	1,308.86	1/4	1,144.40	1/4	979.95	1/4	815.49	1/4	651.03
1/2		1/2		1/2	1,813.57	1/2	1,634.29	1/2	1,469.89	1/2	1,305.44	1/2	1,140.98	1/2	976.52	1/2	812.06	1/2	647.61
3/4		3/4		3/4	1,808.92	3/4	1,630.88	3/4	1,466.47	3/4	1,302.01	3/4	1,137.55	3/4	973.09	3/4	808.64	3/4	644.18
1		1		1	1,804.26	1	1,627.46	1	1,463.04	1	1,298.58	1	1,134.13	1	969.67	1	805.21	1	640.75
1/4		1/4		1/4	1,799.61	1/4	1,624.04	1/4	1,459.61	1/4	1,295.16	1/4	1,130.70	1/4	966.24	1/4	801.78	1/4	637.33
1/2		1/2		1/2	1,794.95	1/2	1,620.62	1/2	1,456.19	1/2	1,291.73	1/2	1,127.27	1/2	962.82	1/2	798.36	1/2	633.90
3/4		3/4		3/4	1,790.26	3/4	1,617.20	3/4	1,452.76	3/4	1,288.30	3/4	1,123.85	3/4	959.39	3/4	794.93	3/4	630.47
2		2		2	1,785.57	2	1,613.79	2	1,449.34	2	1,284.88	2	1,120.42	2	955.96	2	791.51	2	627.05
1/4		1/4		1/4	1,780.88	1/4	1,610.37	1/4	1,445.91	1/4	1,281.45	1/4	1,116.99	1/4	952.54	1/4	788.08	1/4	623.62
1/2		1/2		1/2	1,776.18	1/2	1,606.95	1/2	1,442.48	1/2	1,278.03	1/2	1,113.57	1/2	949.11	1/2	784.65	1/2	620.20
3/4		3/4		3/4	1,771.79	3/4	1,603.52	3/4	1,439.06	3/4	1,274.60	3/4	1,110.14	3/4	945.68	3/4	781.23	3/4	616.77
3		3		3	1,767.40	3	1,600.09	3	1,435.63	3	1,271.17	3	1,106.72	3	942.26	3	777.80	3	613.34
1/4		1/4		1/4	1,763.01	1/4	1,596.66	1/4	1,432.20	1/4	1,267.75	1/4	1,103.29	1/4	938.83	1/4	774.37	1/4	609.92
1/2		1/2		1/2	1,758.62	1/2	1,593.24	1/2	1,428.78	1/2	1,264.32	1/2	1,099.86	1/2	935.41	1/2	770.95	1/2	606.49
3/4		3/4		3/4	1,754.87	3/4	1,589.81	3/4	1,425.35	3/4	1,260.89	3/4	1,096.44	3/4	931.98	3/4	767.52	3/4	603.06
4		4		4	1,751.13	4	1,586.38	4	1,421.93	4	1,257.47	4	1,093.01	4	928.55	4	764.10	4	599.64
1/4		1/4		1/4	1,747.39	1/4	1,582.96	1/4	1,418.50	1/4	1,254.04	1/4	1,089.58	1/4	925.13	1/4	760.67	1/4	596.21
1/2		1/2		1/2	1,743.64	1/2	1,579.53	1/2	1,415.07	1/2	1,250.62	1/2	1,086.16	1/2	921.70	1/2	757.24	1/2	592.78
3/4		3/4		3/4	1,740.23	3/4	1,576.11	3/4	1,411.65	3/4	1,247.19	3/4	1,082.73	3/4	918.27	3/4	753.82	3/4	589.36
5		5		5	1,736.81	5	1,572.68	5	1,408.22	5	1,243.76	5	1,079.31	5	914.85	5	750.39	5	585.93
1/4		1/4		1/4	1,733.39	1/4	1,569.25	1/4	1,404.80	1/4	1,240.34	1/4	1,075.88	1/4	911.42	1/4	746.96	1/4	582.50
1/2		1/2		1/2	1,729.97	1/2	1,565.83	1/2	1,401.37	1/2	1,236.91	1/2	1,072.45	1/2	908.00	1/2	743.54	1/2	579.08
3/4		3/4		3/4	1,726.56	3/4	1,562.40	3/4	1,397.94	3/4	1,233.49	3/4	1,069.03	3/4	904.57	3/4	740.11	3/4	575.65
6		6		6	1,723.14	6	1,558.97	6	1,394.52	6	1,230.06	6	1,065.60	6	901.14	6	736.69	6	572.22
1/4		1/4		1/4	1,719.72	1/4	1,555.55	1/4	1,391.09	1/4	1,226.63	1/4	1,062.18	1/4	897.72	1/4	733.26	1/4	568.80
1/2		1/2	1,913.55	1/2	1,716.31	1/2	1,552.12	1/2	1,387.66	1/2	1,223.21	1/2	1,058.75	1/2	894.29	1/2	729.83	1/2	565.37
3/4		3/4	1,910.36	3/4	1,712.89	3/4	1,548.70	3/4	1,384.24	3/4	1,219.78	3/4	1,055.32	3/4	890.87	3/4	726.41	3/4	561.96
7		7	1,907.17	7	1,709.47	7	1,545.27	7	1,380.81	7	1,216.35	7	1,051.90	7	887.44	7	722.98	7	558.55
1/4		1/4	1,903.98	1/4	1,706.05	1/4	1,541.84	1/4	1,377.39	1/4	1,212.93	1/4	1,048.47	1/4	884.01	1/4	719.56	1/4	555.14
1/2		1/2	1,900.80	1/2	1,702.64	1/2	1,538.42	1/2	1,373.96	1/2	1,209.50	1/2	1,045.04	1/2	880.59	1/2	716.13	1/2	551.73
3/4		3/4	1,897.05	3/4	1,699.22	3/4	1,534.99	3/4	1,370.53	3/4	1,206.08	3/4	1,041.62	3/4	877.16	3/4	712.70	3/4	548.36
8		8	1,893.30	8	1,695.80	8	1,531.56	8	1,367.11	8	1,202.65	8	1,038.19	8	873.73	8	709.28	8	544.98
1/4		1/4	1,889.56	1/4	1,692.39	1/4	1,528.14	1/4	1,363.68	1/4	1,199.22	1/4	1,034.77	1/4	870.31	1/4	705.85	1/4	541.60
1/2		1/2	1,885.81	1/2	1,688.97	1/2	1,524.71	1/2	1,360.25	1/2	1,195.80	1/2	1,031.34	1/2	866.88	1/2	702.42	1/2	538.23
3/4		3/4	1,881.53	3/4	1,685.55	3/4	1,521.29	3/4	1,356.83	3/4	1,192.37	3/4	1,027.91	3/4	863.46	3/4	699.00	3/4	534.87
9		9	1,877.25	9	1,682.13	9	1,517.86	9	1,353.40	9	1,188.94	9	1,024.49	9	860.03	9	695.57	9	531.51
1/4		1/4	1,872.98	1/4	1,678.72	1/4	1,514.43	1/4	1,349.98	1/4	1,185.52	1/4	1,021.06	1/4	856.60	1/4	692.15	1/4	528.15
1/2		1/2	1,868.70	1/2	1,675.30	1/2	1,511.01	1/2	1,346.55	1/2	1,182.09	1/2	1,017.63	1/2	853.18	1/2	688.72	1/2	524.79
3/4		3/4	1,864.15	3/4	1,671.88	3/4	1,507.58	3/4	1,343.12	3/4	1,178.67	3/4	1,014.21	3/4	849.75	3/4	685.29	3/4	521.43
10		10	1,859.59	10	1,668.47	10	1,504.16	10	1,339.70	10	1,175.24	10	1,010.78	10	846.32	10	681.87	10	518.07
1/4		1/4	1,855.04	1/4	1,665.05	1/4	1,500.73	1/4	1,336.27	1/4	1,171.81	1/4	1,007.36	1/4	842.90	1/4	678.44	1/4	514.71
1/2		1/2	1,850.48	1/2	1,661.63	1/2	1,497.30	1/2	1,332.85	1/2	1,168.39	1/2	1,003.93	1/2	839.47	1/2	675.01	1/2	511.35
3/4		3/4	1,845.89	3/4	1,658.21	3/4	1,493.88	3/4	1,329.42	3/4	1,164.96	3/4	1,000.50	3/4	836.05	3/4	671.59	3/4	507.98
11		11	1,841.29	11	1,654.80	11	1,490.45	11	1,325.99	11	1,161.54	11	997.08	11	832.62	11	668.16	11	504.62
1/4		1/4	1,836.69	1/4	1,651.38	1/4	1,487.02	1/4	1,322.57	1/4	1,158.11	1/4	993.65	1/4	829.19	1/4	664.74	1/4	501.26
1/2		1/2	1,832.10	1/2	1,647.96	1/2	1,483.60	1/2	1,319.14	1/2	1,154.68	1/2	990.23	1/2	825.77	1/2	661.31	1/2	497.90
3/4		3/4	1,827.47	3/4	1,644.54	3/4	1,480.17	3/4	1,315.71	3/4	1,151.26	3/4	986.80	3/4	822.34	3/4	657.88	3/4	494.54

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-6" OFF CENTERLINE AND 18'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "407"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	491.18	0	328.71	0	164.25	0		0		0		0		0		0		0	
1/4	487.82	1/4	325.29	1/4	160.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	484.46	1/2	321.86	1/2	157.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	481.10	3/4	318.43	3/4	153.97	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	477.74	1	315.01	1	150.55	1		1		1		1		1		1		1	
1/4	474.38	1/4	311.58	1/4	147.12	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	471.02	1/2	308.16	1/2	143.70	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	467.66	3/4	304.73	3/4	140.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	464.30	2	301.30	2	136.84	2		2		2		2		2		2		2	
1/4	460.94	1/4	297.88	1/4	133.42	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	457.58	1/2	294.45	1/2	129.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	454.22	3/4	291.02	3/4	126.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	450.86	3	287.60	3	123.14	3		3		3		3		3		3		3	
1/4	447.50	1/4	284.17	1/4	119.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	444.14	1/2	280.74	1/2	116.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	440.78	3/4	277.32	3/4	112.88	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	437.42	4	273.89	4	109.46	4		4		4		4		4		4		4	
1/4	434.06	1/4	270.47	1/4	106.04	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	430.70	1/2	267.04	1/2	102.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	427.34	3/4	263.61	3/4	99.20	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	423.97	5	260.19	5	95.79	5		5		5		5		5		5		5	
1/4	420.61	1/4	256.76	1/4	92.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	417.25	1/2	253.33	1/2	88.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	413.88	3/4	249.91	3/4	85.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	410.50	6	246.48	6	82.15	6		6		6		6		6		6		6	
1/4	407.13	1/4	243.06	1/4	78.74	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	403.75	1/2	239.63	1/2	75.33	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	400.36	3/4	236.20	3/4	71.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	396.96	7	232.78	7	68.54	7		7		7		7		7		7		7	
1/4	393.57	1/4	229.35	1/4	65.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	390.18	1/2	225.93	1/2	61.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	386.79	3/4	222.50	3/4	58.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	383.40	8	219.07	8	55.00	8		8		8		8		8		8		8	
1/4	380.00	1/4	215.65	1/4	51.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	376.61	1/2	212.22	1/2	48.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	373.20	3/4	208.79	3/4	44.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	369.79	9	205.37	9	41.74	9		9		9		9		9		9		9	
1/4	366.38	1/4	201.94	1/4	38.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	362.97	1/2	198.52	1/2	35.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	359.55	3/4	195.09	3/4	32.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	356.12	10	191.66	10	29.53	10		10		10		10		10		10		10	
1/4	352.70	1/4	188.24	1/4	26.68	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	349.27	1/2	184.81	1/2	23.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	345.84	3/4	181.38	3/4	21.54	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	342.42	11	177.96	11	19.26	11		11		11		11		11		11		11	
1/4	338.99	1/4	174.53	1/4	16.97	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	335.56	1/2	171.11	1/2	14.69	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	332.14	3/4	167.68	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/15/2008 CL - SW
CALCULATED: 04/16/2008 CL
VERIFIED: 06/30/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "407"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0	1,815.85	0	1,650.87	0	1,485.26	0	1,319.59	0	1,153.91	0	988.23	0	822.55	0	656.88		
1/4	1/4	1/4	1/4	1/4	1,812.45	1/4	1,647.42	1/4	1,481.81	1/4	1,316.13	1/4	1,150.46	1/4	984.78	1/4	819.10	1/4	653.43		
1/2	1/2	1/2	1/2	1/2	1,809.04	1/2	1,643.98	1/2	1,478.36	1/2	1,312.68	1/2	1,147.01	1/2	981.33	1/2	815.65	1/2	649.97		
3/4	3/4	3/4	3/4	3/4	1,805.63	3/4	1,640.54	3/4	1,474.91	3/4	1,309.23	3/4	1,143.55	3/4	977.88	3/4	812.20	3/4	646.52		
1		1		1	1,802.23	1	1,637.10	1	1,471.46	1	1,305.78	1	1,140.10	1	974.43	1	808.75	1	643.07		
1/4	1/4	1/4	1/4	1/4	1,798.82	1/4	1,633.65	1/4	1,468.00	1/4	1,302.33	1/4	1,136.65	1/4	970.97	1/4	805.30	1/4	639.62		
1/2	1/2	1/2	1/2	1/2	1,795.40	1/2	1,630.21	1/2	1,464.55	1/2	1,298.88	1/2	1,133.20	1/2	967.52	1/2	801.85	1/2	636.17		
3/4	3/4	3/4	3/4	3/4	1,791.97	3/4	1,626.76	3/4	1,461.10	3/4	1,295.42	3/4	1,129.75	3/4	964.07	3/4	798.39	3/4	632.72		
2		2		2	1,788.55	2	1,623.32	2	1,457.65	2	1,291.97	2	1,126.30	2	960.62	2	794.94	2	629.27		
1/4	1/4	1/4	1/4	1/4	1,785.13	1/4	1,619.87	1/4	1,454.20	1/4	1,288.52	1/4	1,122.84	1/4	957.17	1/4	791.49	1/4	625.81		
1/2	1/2	1/2	1/2	1/2	1,781.68	1/2	1,616.42	1/2	1,450.75	1/2	1,285.07	1/2	1,119.39	1/2	953.72	1/2	788.04	1/2	622.36		
3/4	3/4	3/4	3/4	3/4	1,778.24	3/4	1,612.97	3/4	1,447.29	3/4	1,281.62	3/4	1,115.94	3/4	950.26	3/4	784.59	3/4	618.91		
3		3		3	1,774.80	3	1,609.52	3	1,443.84	3	1,278.17	3	1,112.49	3	946.81	3	781.14	3	615.46		
1/4	1/4	1/4	1/4	1/4	1,771.36	1/4	1,606.07	1/4	1,440.39	1/4	1,274.71	1/4	1,109.04	1/4	943.36	1/4	777.68	1/4	612.01		
1/2	1/2	1/2	1/2	1/2	1,767.91	1/2	1,602.62	1/2	1,436.94	1/2	1,271.26	1/2	1,105.59	1/2	939.91	1/2	774.23	1/2	608.56		
3/4	3/4	3/4	3/4	3/4	1,764.47	3/4	1,599.17	3/4	1,433.49	3/4	1,267.81	3/4	1,102.13	3/4	936.46	3/4	770.78	3/4	605.10		
4		4		4	1,761.03	4	1,595.71	4	1,430.04	4	1,264.36	4	1,098.68	4	933.01	4	767.33	4	601.65		
1/4	1/4	1/4	1/4	1/4	1,757.59	1/4	1,592.26	1/4	1,426.58	1/4	1,260.91	1/4	1,095.23	1/4	929.55	1/4	763.88	1/4	598.20		
1/2	1/2	1/2	1/2	1/2	1,754.14	1/2	1,588.81	1/2	1,423.13	1/2	1,257.46	1/2	1,091.78	1/2	926.10	1/2	760.43	1/2	594.75		
3/4	3/4	3/4	3/4	3/4	1,750.70	3/4	1,585.36	3/4	1,419.68	3/4	1,254.00	3/4	1,088.33	3/4	922.65	3/4	756.97	3/4	591.30		
5		5		5	1,747.26	5	1,581.91	5	1,416.23	5	1,250.55	5	1,084.88	5	919.20	5	753.52	5	587.84		
1/4	1/4	1/4	1/4	1/4	1,743.82	1/4	1,578.46	1/4	1,412.78	1/4	1,247.10	1/4	1,081.42	1/4	915.75	1/4	750.07	1/4	584.39		
1/2	1/2	1/2	1/2	1/2	1,740.37	1/2	1,575.00	1/2	1,409.33	1/2	1,243.65	1/2	1,077.97	1/2	912.30	1/2	746.62	1/2	580.94		
3/4	3/4	3/4	3/4	3/4	1,736.93	3/4	1,571.55	3/4	1,405.88	3/4	1,240.20	3/4	1,074.52	3/4	908.84	3/4	743.17	3/4	577.49		
6		6		6	1,733.49	6	1,568.10	6	1,402.42	6	1,236.75	6	1,071.07	6	905.39	6	739.72	6	574.04		
1/4	1/4	1,885.67	1/4	1,730.05	1/4	1,564.65	1/4	1,398.97	1/4	1,233.30	1/4	1,067.62	1/4	901.94	1/4	736.26	1/4	570.58			
1/2	1/2	1,883.46	1/2	1,726.60	1/2	1,561.20	1/2	1,395.52	1/2	1,229.84	1/2	1,064.17	1/2	898.49	1/2	732.81	1/2	567.13			
3/4	3/4	1,881.25	3/4	1,723.16	3/4	1,557.75	3/4	1,392.07	3/4	1,226.39	3/4	1,060.72	3/4	895.04	3/4	729.36	3/4	563.68			
7		7		7	1,879.04	7	1,719.72	7	1,554.29	7	1,388.62	7	1,222.94	7	1,057.26	7	891.59	7	725.91	7	560.23
1/4	1/4	1,876.83	1/4	1,716.28	1/4	1,550.84	1/4	1,385.17	1/4	1,219.49	1/4	1,053.81	1/4	888.14	1/4	722.46	1/4	556.78			
1/2	1/2	1,874.13	1/2	1,712.83	1/2	1,547.39	1/2	1,381.71	1/2	1,216.04	1/2	1,050.36	1/2	884.68	1/2	719.01	1/2	553.35			
3/4	3/4	1,871.43	3/4	1,709.39	3/4	1,543.94	3/4	1,378.26	3/4	1,212.59	3/4	1,046.91	3/4	881.23	3/4	715.56	3/4	549.93			
8		8		8	1,868.73	8	1,705.95	8	1,540.49	8	1,374.81	8	1,209.13	8	1,043.46	8	877.78	8	712.10	8	546.50
1/4	1/4	1,866.02	1/4	1,702.50	1/4	1,537.04	1/4	1,371.36	1/4	1,205.68	1/4	1,040.01	1/4	874.33	1/4	708.65	1/4	543.08			
1/2	1/2	1,862.85	1/2	1,699.06	1/2	1,533.58	1/2	1,367.91	1/2	1,202.23	1/2	1,036.55	1/2	870.88	1/2	705.20	1/2	539.68			
3/4	3/4	1,859.67	3/4	1,695.62	3/4	1,530.13	3/4	1,364.46	3/4	1,198.78	3/4	1,033.10	3/4	867.43	3/4	701.75	3/4	536.28			
9		9		9	1,856.49	9	1,692.18	9	1,526.68	9	1,361.00	9	1,195.33	9	1,029.65	9	863.97	9	698.30	9	532.89
1/4	1/4	1,853.32	1/4	1,688.73	1/4	1,523.23	1/4	1,357.55	1/4	1,191.88	1/4	1,026.20	1/4	860.52	1/4	694.85	1/4	529.49			
1/2	1/2	1,849.91	1/2	1,685.29	1/2	1,519.78	1/2	1,354.10	1/2	1,188.42	1/2	1,022.75	1/2	857.07	1/2	691.39	1/2	526.09			
3/4	3/4	1,846.50	3/4	1,681.85	3/4	1,516.33	3/4	1,350.65	3/4	1,184.97	3/4	1,019.30	3/4	853.62	3/4	687.94	3/4	522.69			
10		10		10	1,843.10	10	1,678.41	10	1,512.87	10	1,347.20	10	1,181.52	10	1,015.84	10	850.17	10	684.49	10	519.30
1/4	1/4	1,839.69	1/4	1,674.96	1/4	1,509.42	1/4	1,343.75	1/4	1,178.07	1/4	1,012.39	1/4	846.72	1/4	681.04	1/4	515.90			
1/2	1/2	1,836.29	1/2	1,671.52	1/2	1,505.97	1/2	1,340.29	1/2	1,174.62	1/2	1,008.94	1/2	843.26	1/2	677.59	1/2	512.50			
3/4	3/4	1,832.88	3/4	1,668.08	3/4	1,502.52	3/4	1,336.84	3/4	1,171.17	3/4	1,005.49	3/4	839.81	3/4	674.14	3/4	509.11			
11		11		11	1,829.47	11	1,664.64	11	1,499.07	11	1,333.39	11	1,167.71	11	1,002.04	11	836.36	11	670.68	11	505.71
1/4	1/4	1,826.07	1/4	1,661.19	1/4	1,495.62	1/4	1,329.94	1/4	1,164.26	1/4	998.59	1/4	832.91	1/4	667.23	1/4	502.31			
1/2	1/2	1,822.66	1/2	1,657.75	1/2	1,492.17	1/2	1,326.49	1/2	1,160.81	1/2	995.13	1/2	829.46	1/2	663.78	1/2	498.91			
3/4	3/4	1,819.26	3/4	1,654.31	3/4	1,488.71	3/4	1,323.04	3/4	1,157.36	3/4	991.68	3/4	826.01	3/4	660.33	3/4	495.52			

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 12'-6" OFF CENTERLINE AND 18'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "407"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	492.12	0	327.69	0	162.01	0		0		0		0		0		0		0	
1/4	488.72	1/4	324.24	1/4	158.56	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	485.32	1/2	320.79	1/2	155.11	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	481.93	3/4	317.34	3/4	151.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	478.53	1	313.89	1	148.21	1		1		1		1		1		1		1	
1/4	475.13	1/4	310.43	1/4	144.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	471.73	1/2	306.98	1/2	141.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	468.34	3/4	303.53	3/4	137.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	464.94	2	300.08	2	134.40	2		2		2		2		2		2		2	
1/4	461.54	1/4	296.63	1/4	130.95	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	458.15	1/2	293.18	1/2	127.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	454.75	3/4	289.72	3/4	124.05	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	451.35	3	286.27	3	120.60	3		3		3		3		3		3		3	
1/4	447.95	1/4	282.82	1/4	117.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	444.56	1/2	279.37	1/2	113.71	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	441.16	3/4	275.92	3/4	110.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	437.76	4	272.47	4	106.82	4		4		4		4		4		4		4	
1/4	434.36	1/4	269.01	1/4	103.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	430.97	1/2	265.56	1/2	99.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	427.57	3/4	262.11	3/4	96.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	424.17	5	258.66	5	93.05	5		5		5		5		5		5		5	
1/4	420.78	1/4	255.21	1/4	89.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	417.35	1/2	251.76	1/2	86.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	413.93	3/4	248.30	3/4	82.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	410.50	6	244.85	6	79.32	6		6		6		6		6		6		6	
1/4	407.08	1/4	241.40	1/4	75.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	403.63	1/2	237.95	1/2	72.47	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	400.18	3/4	234.50	3/4	69.05	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	396.72	7	231.05	7	65.63	7		7		7		7		7		7		7	
1/4	393.27	1/4	227.60	1/4	62.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	389.82	1/2	224.14	1/2	58.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	386.37	3/4	220.69	3/4	55.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	382.92	8	217.24	8	52.00	8		8		8		8		8		8		8	
1/4	379.47	1/4	213.79	1/4	48.59	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	376.01	1/2	210.34	1/2	45.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	372.56	3/4	206.89	3/4	42.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	369.11	9	203.43	9	38.77	9		9		9		9		9		9		9	
1/4	365.66	1/4	199.98	1/4	35.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	362.21	1/2	196.53	1/2	32.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	358.76	3/4	193.08	3/4	29.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	355.30	10	189.63	10	26.87	10		10		10		10		10		10		10	
1/4	351.85	1/4	186.18	1/4	24.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	348.40	1/2	182.72	1/2	21.70	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	344.95	3/4	179.27	3/4	19.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	341.50	11	175.82	11	17.09	11		11		11		11		11		11		11	
1/4	338.05	1/4	172.37	1/4	14.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	334.59	1/2	168.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	331.14	3/4	165.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/15/2008 CL - SW
CALCULATED: 04/16/2008 CL
VERIFIED: 06/30/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "407"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	1,818.78	0	1,653.88	0	1,488.33	0	1,322.69	0	1,157.06	0	991.43	0	825.79	0	660.16	
1/4	1/4	1/4	1/4	1,815.38	1/4	1,650.44	1/4	1,484.88	1/4	1,319.24	1/4	1,153.61	1/4	987.97	1/4	822.34	1/4	656.71	
1/2	1/2	1/2	1/2	1,811.97	1/2	1,646.99	1/2	1,481.42	1/2	1,315.79	1/2	1,150.16	1/2	984.52	1/2	818.89	1/2	653.26	
3/4	3/4	3/4	3/4	1,808.57	3/4	1,643.55	3/4	1,477.97	3/4	1,312.34	3/4	1,146.71	3/4	981.07	3/4	815.44	3/4	649.81	
1	1	1	1	1,805.16	1	1,640.11	1	1,474.52	1	1,308.89	1	1,143.26	1	977.62	1	811.99	1	646.36	
1/4	1/4	1/4	1/4	1,801.76	1/4	1,636.67	1/4	1,471.07	1/4	1,305.44	1/4	1,139.81	1/4	974.17	1/4	808.54	1/4	642.90	
1/2	1/2	1/2	1/2	1,798.35	1/2	1,633.23	1/2	1,467.62	1/2	1,301.99	1/2	1,136.35	1/2	970.72	1/2	805.09	1/2	639.45	
3/4	3/4	3/4	3/4	1,794.93	3/4	1,629.78	3/4	1,464.17	3/4	1,298.54	3/4	1,132.90	3/4	967.27	3/4	801.64	3/4	636.00	
2	2	2	2	1,791.51	2	1,626.34	2	1,460.72	2	1,295.09	2	1,129.45	2	963.82	2	798.19	2	632.55	
1/4	1/4	1/4	1/4	1,788.08	1/4	1,622.89	1/4	1,457.27	1/4	1,291.64	1/4	1,126.00	1/4	960.37	1/4	794.74	1/4	629.10	
1/2	1/2	1/2	1/2	1,784.66	1/2	1,619.45	1/2	1,453.82	1/2	1,288.19	1/2	1,122.55	1/2	956.92	1/2	791.28	1/2	625.65	
3/4	3/4	3/4	3/4	1,781.22	3/4	1,616.00	3/4	1,450.37	3/4	1,284.74	3/4	1,119.10	3/4	953.47	3/4	787.83	3/4	622.20	
3	3	3	3	1,777.78	3	1,612.55	3	1,446.92	3	1,281.28	3	1,115.65	3	950.02	3	784.38	3	618.75	
1/4	1/4	1/4	1/4	1,774.34	1/4	1,609.10	1/4	1,443.47	1/4	1,277.83	1/4	1,112.20	1/4	946.57	1/4	780.93	1/4	615.30	
1/2	1/2	1/2	1/2	1,770.89	1/2	1,605.65	1/2	1,440.02	1/2	1,274.38	1/2	1,108.75	1/2	943.12	1/2	777.48	1/2	611.85	
3/4	3/4	3/4	3/4	1,767.45	3/4	1,602.20	3/4	1,436.57	3/4	1,270.93	3/4	1,105.30	3/4	939.67	3/4	774.03	3/4	608.40	
4	4	4	4	1,764.01	4	1,598.75	4	1,433.12	4	1,267.48	4	1,101.85	4	936.21	4	770.58	4	604.95	
1/4	1/4	1/4	1/4	1,760.57	1/4	1,595.30	1/4	1,429.66	1/4	1,264.03	1/4	1,098.40	1/4	932.76	1/4	767.13	1/4	601.50	
1/2	1/2	1/2	1/2	1,757.13	1/2	1,591.85	1/2	1,426.21	1/2	1,260.58	1/2	1,094.95	1/2	929.31	1/2	763.68	1/2	598.04	
3/4	3/4	3/4	3/4	1,753.69	3/4	1,588.40	3/4	1,422.76	3/4	1,257.13	3/4	1,091.50	3/4	925.86	3/4	760.23	3/4	594.59	
5	5	5	5	1,750.24	5	1,584.95	5	1,419.31	5	1,253.68	5	1,088.05	5	922.41	5	756.78	5	591.14	
1/4	1/4	1/4	1/4	1,746.80	1/4	1,581.50	1/4	1,415.86	1/4	1,250.23	1/4	1,084.59	1/4	918.96	1/4	753.33	1/4	587.69	
1/2	1/2	1/2	1/2	1,743.36	1/2	1,578.04	1/2	1,412.41	1/2	1,246.78	1/2	1,081.14	1/2	915.51	1/2	749.88	1/2	584.24	
3/4	3/4	3/4	3/4	1,739.92	3/4	1,574.59	3/4	1,408.96	3/4	1,243.33	3/4	1,077.69	3/4	912.06	3/4	746.43	3/4	580.79	
6	6	6	6	1,736.48	6	1,571.14	6	1,405.51	6	1,239.88	6	1,074.24	6	908.61	6	742.98	6	577.34	
1/4	1/4	1/4	1/4	1,733.04	1/4	1,567.69	1/4	1,402.06	1/4	1,236.43	1/4	1,070.79	1/4	905.16	1/4	739.52	1/4	573.89	
1/2	1/2	1,885.19	1/2	1,729.59	1/2	1,564.24	1/2	1,398.61	1/2	1,232.97	1/2	1,067.34	1/2	901.71	1/2	736.07	1/2	570.44	
3/4	3/4	1,882.98	3/4	1,726.15	3/4	1,560.79	3/4	1,395.16	3/4	1,229.52	3/4	1,063.89	3/4	898.26	3/4	732.62	3/4	566.99	
7	7	1,880.77	7	1,722.71	7	1,557.34	7	1,391.71	7	1,226.07	7	1,060.44	7	894.81	7	729.17	7	563.53	
1/4	1/4	1,878.56	1/4	1,719.27	1/4	1,553.89	1/4	1,388.26	1/4	1,222.62	1/4	1,056.99	1/4	891.36	1/4	725.72	1/4	560.08	
1/2	1/2	1,876.35	1/2	1,715.83	1/2	1,550.44	1/2	1,384.81	1/2	1,219.17	1/2	1,053.54	1/2	887.90	1/2	722.27	1/2	556.63	
3/4	3/4	1,873.65	3/4	1,712.39	3/4	1,546.99	3/4	1,381.35	3/4	1,215.72	3/4	1,050.09	3/4	884.45	3/4	718.82	3/4	553.21	
8	8	1,870.94	8	1,708.94	8	1,543.54	8	1,377.90	8	1,212.27	8	1,046.64	8	881.00	8	715.37	8	549.78	
1/4	1/4	1,868.24	1/4	1,705.50	1/4	1,540.09	1/4	1,374.45	1/4	1,208.82	1/4	1,043.19	1/4	877.55	1/4	711.92	1/4	546.36	
1/2	1/2	1,865.54	1/2	1,702.06	1/2	1,536.64	1/2	1,371.00	1/2	1,205.37	1/2	1,039.74	1/2	874.10	1/2	708.47	1/2	542.94	
3/4	3/4	1,862.36	3/4	1,698.62	3/4	1,533.19	3/4	1,367.55	3/4	1,201.92	3/4	1,036.28	3/4	870.65	3/4	705.02	3/4	539.54	
9	9	1,859.19	9	1,695.18	9	1,529.73	9	1,364.10	9	1,198.47	9	1,032.83	9	867.20	9	701.57	9	536.14	
1/4	1/4	1,856.01	1/4	1,691.74	1/4	1,526.28	1/4	1,360.65	1/4	1,195.02	1/4	1,029.38	1/4	863.75	1/4	698.12	1/4	532.75	
1/2	1/2	1,852.83	1/2	1,688.29	1/2	1,522.83	1/2	1,357.20	1/2	1,191.57	1/2	1,025.93	1/2	860.30	1/2	694.67	1/2	529.35	
3/4	3/4	1,849.43	3/4	1,684.85	3/4	1,519.38	3/4	1,353.75	3/4	1,188.12	3/4	1,022.48	3/4	856.85	3/4	691.21	3/4	525.95	
10	10	1,846.02	10	1,681.41	10	1,515.93	10	1,350.30	10	1,184.66	10	1,019.03	10	853.40	10	687.76	10	522.56	
1/4	1/4	1,842.62	1/4	1,677.97	1/4	1,512.48	1/4	1,346.85	1/4	1,181.21	1/4	1,015.58	1/4	849.95	1/4	684.31	1/4	519.16	
1/2	1/2	1,839.21	1/2	1,674.53	1/2	1,509.03	1/2	1,343.40	1/2	1,177.76	1/2	1,012.13	1/2	846.50	1/2	680.86	1/2	515.76	
3/4	3/4	1,835.81	3/4	1,671.09	3/4	1,505.58	3/4	1,339.95	3/4	1,174.31	3/4	1,008.68	3/4	843.05	3/4	677.41	3/4	512.37	
11	11	1,832.40	11	1,667.64	11	1,502.13	11	1,336.50	11	1,170.86	11	1,005.23	11	839.59	11	673.96	11	508.97	
1/4	1/4	1,829.00	1/4	1,664.20	1/4	1,498.68	1/4	1,333.04	1/4	1,167.41	1/4	1,001.78	1/4	836.14	1/4	670.51	1/4	505.58	
1/2	1/2	1,825.59	1/2	1,660.76	1/2	1,495.23	1/2	1,329.59	1/2	1,163.96	1/2	998.33	1/2	832.69	1/2	667.06	1/2	502.18	
3/4	3/4	1,822.19	3/4	1,657.32	3/4	1,491.78	3/4	1,326.14	3/4	1,160.51	3/4	994.88	3/4	829.24	3/4	663.61	3/4	498.78	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-6" OFF CENTERLINE AND 18'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "407"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	495.39	0	331.06	0	165.42	0		0		0		0		0		0		0	
1/4	491.99	1/4	327.61	1/4	161.97	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	488.59	1/2	324.16	1/2	158.52	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	485.20	3/4	320.70	3/4	155.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	481.80	1	317.25	1	151.62	1		1		1		1		1		1		1	
1/4	478.40	1/4	313.80	1/4	148.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	475.01	1/2	310.35	1/2	144.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	471.61	3/4	306.90	3/4	141.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	468.22	2	303.45	2	137.82	2		2		2		2		2		2		2	
1/4	464.82	1/4	300.00	1/4	134.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	461.42	1/2	296.55	1/2	130.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	458.03	3/4	293.10	3/4	127.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	454.63	3	289.65	3	124.02	3		3		3		3		3		3		3	
1/4	451.23	1/4	286.20	1/4	120.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	447.84	1/2	282.75	1/2	117.12	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	444.44	3/4	279.30	3/4	113.68	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	441.04	4	275.85	4	110.23	4		4		4		4		4		4		4	
1/4	437.65	1/4	272.39	1/4	106.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	434.25	1/2	268.94	1/2	103.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	430.85	3/4	265.49	3/4	99.91	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	427.46	5	262.04	5	96.47	5		5		5		5		5		5		5	
1/4	424.06	1/4	258.59	1/4	93.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	420.67	1/2	255.14	1/2	89.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	417.24	3/4	251.69	3/4	86.16	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	413.82	6	248.24	6	82.73	6		6		6		6		6		6		6	
1/4	410.40	1/4	244.79	1/4	79.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	406.97	1/2	241.34	1/2	75.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	403.52	3/4	237.89	3/4	72.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	400.07	7	234.44	7	69.03	7		7		7		7		7		7		7	
1/4	396.62	1/4	230.99	1/4	65.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393.17	1/2	227.54	1/2	62.19	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	389.72	3/4	224.09	3/4	58.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	386.27	8	220.63	8	55.39	8		8		8		8		8		8		8	
1/4	382.82	1/4	217.18	1/4	51.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	379.37	1/2	213.73	1/2	48.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	375.92	3/4	210.28	3/4	45.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	372.47	9	206.83	9	42.03	9		9		9		9		9		9		9	
1/4	369.01	1/4	203.38	1/4	38.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	365.56	1/2	199.93	1/2	35.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	362.11	3/4	196.48	3/4	32.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	358.66	10	193.03	10	29.74	10		10		10		10		10		10		10	
1/4	355.21	1/4	189.58	1/4	26.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	351.76	1/2	186.13	1/2	23.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	348.31	3/4	182.68	3/4	21.69	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	344.86	11	179.23	11	19.39	11		11		11		11		11		11		11	
1/4	341.41	1/4	175.78	1/4	17.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	337.96	1/2	172.32	1/2	14.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	334.51	3/4	168.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/15/2008 CL - SW
CALCULATED: 04/16/2008 CL
VERIFIED: 06/30/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "407"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 3/4"

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.					
IN			IN			IN			IN			IN			IN			IN			IN			IN			IN			IN		
0			0			0		1,822.60	0		1,657.77	0		1,492.28	0		1,326.69	0		1,161.10	0		995.51	0		829.92	0		664.33			
1/4		1/4	1/4		1/4	1/4		1,819.19	1/4		1,654.33	1/4		1,488.83	1/4		1,323.24	1/4		1,157.65	1/4		992.06	1/4		826.47	1/4		660.88			
1/2		1/2	1/2		1/2	1/2		1,815.79	1/2		1,650.89	1/2		1,485.38	1/2		1,319.79	1/2		1,154.20	1/2		988.61	1/2		823.02	1/2		657.43			
3/4		3/4	3/4		3/4	3/4		1,812.39	3/4		1,647.45	3/4		1,481.93	3/4		1,316.34	3/4		1,150.75	3/4		985.16	3/4		819.57	3/4		653.98			
1			1			1		1,808.98	1		1,644.01	1		1,478.48	1		1,312.89	1		1,147.30	1		981.71	1		816.12	1		650.53			
1/4		1/4	1/4		1/4	1/4		1,805.58	1/4		1,640.57	1/4		1,475.03	1/4		1,309.44	1/4		1,143.85	1/4		978.26	1/4		812.67	1/4		647.08			
1/2		1/2	1/2		1/2	1/2		1,802.17	1/2		1,637.13	1/2		1,471.58	1/2		1,305.99	1/2		1,140.40	1/2		974.81	1/2		809.22	1/2		643.63			
3/4		3/4	3/4		3/4	3/4		1,798.77	3/4		1,633.69	3/4		1,468.13	3/4		1,302.54	3/4		1,136.95	3/4		971.36	3/4		805.77	3/4		640.18			
2			2			2		1,795.35	2		1,630.24	2		1,464.68	2		1,299.09	2		1,133.50	2		967.91	2		802.32	2		636.73			
1/4		1/4	1/4		1/4	1/4		1,791.93	1/4		1,626.80	1/4		1,461.23	1/4		1,295.64	1/4		1,130.05	1/4		964.46	1/4		798.87	1/4		633.28			
1/2		1/2	1/2		1/2	1/2		1,788.50	1/2		1,623.36	1/2		1,457.78	1/2		1,292.19	1/2		1,126.60	1/2		961.01	1/2		795.42	1/2		629.83			
3/4		3/4	3/4		3/4	3/4		1,785.08	3/4		1,619.92	3/4		1,454.33	3/4		1,288.74	3/4		1,123.15	3/4		957.56	3/4		791.97	3/4		626.38			
3			3			3		1,781.64	3		1,616.47	3		1,450.88	3		1,285.29	3		1,119.70	3		954.11	3		788.52	3		622.93			
1/4		1/4	1/4		1/4	1/4		1,778.20	1/4		1,613.02	1/4		1,447.43	1/4		1,281.84	1/4		1,116.25	1/4		950.66	1/4		785.07	1/4		619.48			
1/2		1/2	1/2		1/2	1/2		1,774.76	1/2		1,609.57	1/2		1,443.98	1/2		1,278.39	1/2		1,112.80	1/2		947.21	1/2		781.62	1/2		616.03			
3/4		3/4	3/4		3/4	3/4		1,771.32	3/4		1,606.13	3/4		1,440.53	3/4		1,274.94	3/4		1,109.35	3/4		943.76	3/4		778.17	3/4		612.58			
4			4			4		1,767.88	4		1,602.68	4		1,437.08	4		1,271.49	4		1,105.90	4		940.31	4		774.72	4		609.13			
1/4		1/4	1/4		1/4	1/4		1,764.44	1/4		1,599.23	1/4		1,433.64	1/4		1,268.04	1/4		1,102.45	1/4		936.86	1/4		771.27	1/4		605.68			
1/2		1/2	1/2		1/2	1/2		1,761.00	1/2		1,595.78	1/2		1,430.19	1/2		1,264.59	1/2		1,099.00	1/2		933.41	1/2		767.82	1/2		602.23			
3/4		3/4	3/4		3/4	3/4		1,757.56	3/4		1,592.33	3/4		1,426.74	3/4		1,261.15	3/4		1,095.55	3/4		929.96	3/4		764.37	3/4		598.78			
5			5			5		1,754.12	5		1,588.88	5		1,423.29	5		1,257.70	5		1,092.10	5		926.51	5		760.92	5		595.33			
1/4		1/4	1/4		1/4	1/4		1,750.67	1/4		1,585.43	1/4		1,419.84	1/4		1,254.25	1/4		1,088.66	1/4		923.06	1/4		757.47	1/4		591.88			
1/2		1/2	1/2		1/2	1/2		1,747.23	1/2		1,581.98	1/2		1,416.39	1/2		1,250.80	1/2		1,085.21	1/2		919.61	1/2		754.02	1/2		588.43			
3/4		3/4	3/4		3/4	3/4		1,743.79	3/4		1,578.53	3/4		1,412.94	3/4		1,247.35	3/4		1,081.76	3/4		916.17	3/4		750.57	3/4		584.98			
6			6			6		1,740.35	6		1,575.08	6		1,409.49	6		1,243.90	6		1,078.31	6		912.72	6		747.12	6		581.53			
1/4		1/4	1/4		1/4	1/4		1,736.91	1/4		1,571.63	1/4		1,406.04	1/4		1,240.45	1/4		1,074.86	1/4		909.27	1/4		743.68	1/4		578.08			
1/2		1/2	1/2		1/2	1/2		1,733.47	1/2		1,568.18	1/2		1,402.59	1/2		1,237.00	1/2		1,071.41	1/2		905.82	1/2		740.23	1/2		574.63			
3/4		3/4	3/4		3/4	3/4		1,885.58	3/4		1,730.03	3/4		1,564.73	3/4		1,399.14	3/4		1,067.96	3/4		902.37	3/4		736.78	3/4		571.18			
7			7			7		1,883.37	7		1,726.59	7		1,561.28	7		1,395.69	7		1,230.10	7		898.92	7		733.33	7		567.73			
1/4		1/4	1/4		1/4	1/4		1,881.16	1/4		1,723.15	1/4		1,557.83	1/4		1,392.24	1/4		1,061.06	1/4		895.47	1/4		729.88	1/4		564.28			
1/2		1/2	1/2		1/2	1/2		1,878.95	1/2		1,719.71	1/2		1,554.38	1/2		1,388.79	1/2		1,223.20	1/2		892.02	1/2		726.43	1/2		560.83			
3/4		3/4	3/4		3/4	3/4		1,876.74	3/4		1,716.27	3/4		1,550.93	3/4		1,385.34	3/4		1,219.75	3/4		888.57	3/4		722.98	3/4		557.38			
8			8			8		1,874.04	8		1,712.83	8		1,547.48	8		1,381.89	8		1,216.30	8		885.12	8		719.53	8		553.95			
1/4		1/4	1/4		1/4	1/4		1,871.34	1/4		1,709.39	1/4		1,544.03	1/4		1,378.44	1/4		1,212.85	1/4		881.67	1/4		716.08	1/4		550.51			
1/2		1/2	1/2		1/2	1/2		1,868.64	1/2		1,705.94	1/2		1,540.58	1/2		1,374.99	1/2		1,209.40	1/2		878.22	1/2		712.63	1/2		547.08			
3/4		3/4	3/4		3/4	3/4		1,865.94	3/4		1,702.50	3/4		1,537.13	3/4		1,371.54	3/4		1,205.95	3/4		874.77	3/4		709.18	3/4		543.65			
9			9			9		1,862.76	9		1,699.06	9		1,533.68	9		1,368.09	9		1,202.50	9		871.32	9		705.73	9		540.23			
1/4		1/4	1/4		1/4	1/4		1,859.59	1/4		1,695.62	1/4		1,530.23	1/4		1,364.64	1/4		1,199.05	1/4		867.87	1/4		702.28	1/4		536.81			
1/2		1/2	1/2		1/2	1/2		1,856.41	1/2		1,692.18	1/2		1,526.78	1/2		1,361.19	1/2		1,195.60	1/2		864.42	1/2		698.83	1/2		533.39			
3/4		3/4	3/4		3/4	3/4		1,853.23	3/4		1,688.74	3/4		1,523.33	3/4		1,357.74	3/4		1,192.15	3/4		860.97	3/4		695.38	3/4		529.97			
10			10			10		1,849.83	10		1,685.30	10		1,519.88	10		1,354.29	10		1,188.70	10		857.52	10		691.93	10		526.56			
1/4		1/4	1/4		1/4	1/4		1,846.43	1/4		1,681.86	1/4		1,516.43	1/4		1,350.84	1/4		1,185.25	1/4		854.07	1/4		688.48	1/4		523.14			
1/2		1/2	1/2		1/2	1/2		1,843.02	1/2		1,678.42	1/2		1,512.98	1/2		1,347.39	1/2		1,181.80	1/2		850.62	1/2		685.03	1/2		519.72			
3/4		3/4	3/4		3/4	3/4		1,839.62	3/4		1,674.98	3/4		1,509.53	3/4		1,343.94	3/4		1,178.35	3/4		847.17	3/4		681.58	3/4		516.30			
11			11			11		1,836.21	11		1,671.54	11		1,506.08	11		1,340.49	11		1,174.90	11		843.72	11		678.13	11		512.88			
1/4		1/4	1/4		1/4	1/4		1,832.81	1/4		1,668.10	1/4		1,502.63	1/4		1,337.04	1/4		1,171.45	1/4		840.27	1/4		674.68	1/4		509.47			
1/2		1/2	1/2		1/2	1/2		1,829.41	1/2		1,664.65	1/2		1,499.18	1/2		1,333.59	1/2		1,168.00	1/2		836.82	1/2		671.23	1/2		506.05			
3/4		3/4	3/4		3/4	3/4		1,826.00	3/4		1,661.21	3/4		1,495.73	3/4		1,330.14	3/4		1,164.55	3/4		833.37	3/4		667.78	3/4		502.63			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-6" OFF CENTERLINE AND 18'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "407"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	499.21	0	334.42	0	168.83	0		0		0		0		0		0		0	
1/4	495.79	1/4	330.97	1/4	165.38	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	492.38	1/2	327.52	1/2	161.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	488.96	3/4	324.07	3/4	158.48	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	485.54	1	320.62	1	155.03	1		1		1		1		1		1		1	
1/4	482.12	1/4	317.17	1/4	151.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	478.70	1/2	313.72	1/2	148.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	475.29	3/4	310.27	3/4	144.68	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	471.87	2	306.82	2	141.23	2		2		2		2		2		2		2	
1/4	468.45	1/4	303.37	1/4	137.78	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	465.03	1/2	299.92	1/2	134.33	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	461.61	3/4	296.47	3/4	130.88	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	458.20	3	293.02	3	127.43	3		3		3		3		3		3		3	
1/4	454.78	1/4	289.57	1/4	123.99	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	451.36	1/2	286.12	1/2	120.54	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	447.94	3/4	282.67	3/4	117.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	444.52	4	279.22	4	113.65	4		4		4		4		4		4		4	
1/4	441.11	1/4	275.77	1/4	110.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	437.69	1/2	272.32	1/2	106.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	434.27	3/4	268.87	3/4	103.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	430.85	5	265.42	5	99.88	5		5		5		5		5		5		5	
1/4	427.43	1/4	261.97	1/4	96.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	424.02	1/2	258.52	1/2	93.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	420.60	3/4	255.07	3/4	89.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	417.16	6	251.62	6	86.14	6		6		6		6		6		6		6	
1/4	413.73	1/4	248.17	1/4	82.71	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	410.30	1/2	244.72	1/2	79.28	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	406.87	3/4	241.27	3/4	75.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	403.42	7	237.82	7	72.43	7		7		7		7		7		7		7	
1/4	399.97	1/4	234.38	1/4	69.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	396.52	1/2	230.93	1/2	65.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	393.07	3/4	227.48	3/4	62.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	389.62	8	224.03	8	58.77	8		8		8		8		8		8		8	
1/4	386.17	1/4	220.58	1/4	55.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	382.72	1/2	217.13	1/2	51.97	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	379.27	3/4	213.68	3/4	48.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	375.82	9	210.23	9	45.29	9		9		9		9		9		9		9	
1/4	372.37	1/4	206.78	1/4	42.02	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	368.92	1/2	203.33	1/2	38.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	365.47	3/4	199.88	3/4	35.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	362.02	10	196.43	10	32.60	10		10		10		10		10		10		10	
1/4	358.57	1/4	192.98	1/4	29.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	355.12	1/2	189.53	1/2	26.86	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	351.67	3/4	186.08	3/4	23.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	348.22	11	182.63	11	21.69	11		11		11		11		11		11		11	
1/4	344.77	1/4	179.18	1/4	19.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	341.32	1/2	175.73	1/2	17.09	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	337.87	3/4	172.28	3/4	14.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/15/2008 CL - SW
CALCULATED: 04/16/2008 CL
VERIFIED: 06/30/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "407"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	1,820.16	0	1,655.21	0	1,489.61	0	1,323.94	0	1,158.26	0	992.58	0	826.91	0	661.23	
1/4	1/4	1/4	1/4	1,816.75	1/4	1,651.76	1/4	1,486.16	1/4	1,320.48	1/4	1,154.81	1/4	989.13	1/4	823.45	1/4	657.78	
1/2	1/2	1/2	1/2	1,813.34	1/2	1,648.32	1/2	1,482.71	1/2	1,317.03	1/2	1,151.36	1/2	985.68	1/2	820.00	1/2	654.33	
3/4	3/4	3/4	3/4	1,809.94	3/4	1,644.88	3/4	1,479.26	3/4	1,313.58	3/4	1,147.90	3/4	982.23	3/4	816.55	3/4	650.87	
1	1	1	1	1,806.53	1	1,641.44	1	1,475.81	1	1,310.13	1	1,144.45	1	978.78	1	813.10	1	647.42	
1/4	1/4	1/4	1/4	1,803.13	1/4	1,637.99	1/4	1,472.35	1/4	1,306.68	1/4	1,141.00	1/4	975.32	1/4	809.65	1/4	643.97	
1/2	1/2	1/2	1/2	1,799.72	1/2	1,634.55	1/2	1,468.90	1/2	1,303.23	1/2	1,137.55	1/2	971.87	1/2	806.20	1/2	640.52	
3/4	3/4	3/4	3/4	1,796.32	3/4	1,631.11	3/4	1,465.45	3/4	1,299.77	3/4	1,134.10	3/4	968.42	3/4	802.74	3/4	637.07	
2	2	2	2	1,792.91	2	1,627.67	2	1,462.00	2	1,296.32	2	1,130.65	2	964.97	2	799.29	2	633.62	
1/4	1/4	1/4	1/4	1,789.47	1/4	1,624.22	1/4	1,458.55	1/4	1,292.87	1/4	1,127.19	1/4	961.52	1/4	795.84	1/4	630.16	
1/2	1/2	1/2	1/2	1,786.03	1/2	1,620.77	1/2	1,455.10	1/2	1,289.42	1/2	1,123.74	1/2	958.07	1/2	792.39	1/2	626.71	
3/4	3/4	3/4	3/4	1,782.58	3/4	1,617.32	3/4	1,451.65	3/4	1,285.97	3/4	1,120.29	3/4	954.61	3/4	788.94	3/4	623.26	
3	3	3	3	1,779.14	3	1,613.87	3	1,448.19	3	1,282.52	3	1,116.84	3	951.16	3	785.49	3	619.81	
1/4	1/4	1/4	1/4	1,775.70	1/4	1,610.42	1/4	1,444.74	1/4	1,279.07	1/4	1,113.39	1/4	947.71	1/4	782.03	1/4	616.36	
1/2	1/2	1/2	1/2	1,772.25	1/2	1,606.97	1/2	1,441.29	1/2	1,275.61	1/2	1,109.94	1/2	944.26	1/2	778.58	1/2	612.91	
3/4	3/4	3/4	3/4	1,768.81	3/4	1,603.52	3/4	1,437.84	3/4	1,272.16	3/4	1,106.49	3/4	940.81	3/4	775.13	3/4	609.45	
4	4	4	4	1,765.37	4	1,600.06	4	1,434.39	4	1,268.71	4	1,103.03	4	937.36	4	771.68	4	606.00	
1/4	1/4	1/4	1/4	1,761.93	1/4	1,596.61	1/4	1,430.94	1/4	1,265.26	1/4	1,099.58	1/4	933.91	1/4	768.23	1/4	602.55	
1/2	1/2	1/2	1/2	1,758.48	1/2	1,593.16	1/2	1,427.48	1/2	1,261.81	1/2	1,096.13	1/2	930.45	1/2	764.78	1/2	599.10	
3/4	3/4	3/4	3/4	1,755.04	3/4	1,589.71	3/4	1,424.03	3/4	1,258.36	3/4	1,092.68	3/4	927.00	3/4	761.33	3/4	595.65	
5	5	5	5	1,751.60	5	1,586.26	5	1,420.58	5	1,254.90	5	1,089.23	5	923.55	5	757.87	5	592.20	
1/4	1/4	1/4	1/4	1,748.16	1/4	1,582.81	1/4	1,417.13	1/4	1,251.45	1/4	1,085.78	1/4	920.10	1/4	754.42	1/4	588.74	
1/2	1/2	1/2	1/2	1,744.71	1/2	1,579.35	1/2	1,413.68	1/2	1,248.00	1/2	1,082.32	1/2	916.65	1/2	750.97	1/2	585.29	
3/4	3/4	3/4	3/4	1,741.27	3/4	1,575.90	3/4	1,410.23	3/4	1,244.55	3/4	1,078.87	3/4	913.20	3/4	747.52	3/4	581.84	
6	6	6	6	1,737.83	6	1,572.45	6	1,406.77	6	1,241.10	6	1,075.42	6	909.74	6	744.07	6	578.39	
1/4	1/4	1/4	1/4	1,734.39	1/4	1,569.00	1/4	1,403.32	1/4	1,237.65	1/4	1,071.97	1/4	906.29	1/4	740.62	1/4	574.94	
1/2	1/2	1,886.58	1/2	1,730.94	1/2	1,565.55	1/2	1,399.87	1/2	1,234.19	1/2	1,068.52	1/2	902.84	1/2	737.16	1/2	571.48	
3/4	3/4	1,884.61	3/4	1,727.50	3/4	1,562.10	3/4	1,396.42	3/4	1,230.74	3/4	1,065.07	3/4	899.39	3/4	733.71	3/4	568.03	
7	7	1,882.65	7	1,724.06	7	1,558.64	7	1,392.97	7	1,227.29	7	1,061.61	7	895.94	7	730.26	7	564.58	
1/4	1/4	1,880.19	1/4	1,720.62	1/4	1,555.19	1/4	1,389.52	1/4	1,223.84	1/4	1,058.16	1/4	892.49	1/4	726.81	1/4	561.13	
1/2	1/2	1,877.74	1/2	1,717.17	1/2	1,551.74	1/2	1,386.06	1/2	1,220.39	1/2	1,054.71	1/2	889.03	1/2	723.36	1/2	557.68	
3/4	3/4	1,875.28	3/4	1,713.73	3/4	1,548.29	3/4	1,382.61	3/4	1,216.94	3/4	1,051.26	3/4	885.58	3/4	719.91	3/4	554.23	
8	8	1,872.82	8	1,710.29	8	1,544.84	8	1,379.16	8	1,213.48	8	1,047.81	8	882.13	8	716.45	8	550.77	
1/4	1/4	1,869.87	1/4	1,706.85	1/4	1,541.39	1/4	1,375.71	1/4	1,210.03	1/4	1,044.36	1/4	878.68	1/4	713.00	1/4	547.35	
1/2	1/2	1,866.92	1/2	1,703.40	1/2	1,537.94	1/2	1,372.26	1/2	1,206.58	1/2	1,040.90	1/2	875.23	1/2	709.55	1/2	543.93	
3/4	3/4	1,863.97	3/4	1,699.96	3/4	1,534.48	3/4	1,368.81	3/4	1,203.13	3/4	1,037.45	3/4	871.78	3/4	706.10	3/4	540.51	
9	9	1,861.02	9	1,696.52	9	1,531.03	9	1,365.36	9	1,199.68	9	1,034.00	9	868.32	9	702.65	9	537.09	
1/4	1/4	1,857.62	1/4	1,693.08	1/4	1,527.58	1/4	1,361.90	1/4	1,196.23	1/4	1,030.55	1/4	864.87	1/4	699.20	1/4	533.67	
1/2	1/2	1,854.21	1/2	1,689.63	1/2	1,524.13	1/2	1,358.45	1/2	1,192.78	1/2	1,027.10	1/2	861.42	1/2	695.74	1/2	530.25	
3/4	3/4	1,850.81	3/4	1,686.19	3/4	1,520.68	3/4	1,355.00	3/4	1,189.32	3/4	1,023.65	3/4	857.97	3/4	692.29	3/4	526.84	
10	10	1,847.40	10	1,682.75	10	1,517.23	10	1,351.55	10	1,185.87	10	1,020.20	10	854.52	10	688.84	10	523.42	
1/4	1/4	1,844.00	1/4	1,679.30	1/4	1,513.77	1/4	1,348.10	1/4	1,182.42	1/4	1,016.74	1/4	851.07	1/4	685.39	1/4	520.00	
1/2	1/2	1,840.59	1/2	1,675.86	1/2	1,510.32	1/2	1,344.65	1/2	1,178.97	1/2	1,013.29	1/2	847.62	1/2	681.94	1/2	516.58	
3/4	3/4	1,837.18	3/4	1,672.42	3/4	1,506.87	3/4	1,341.19	3/4	1,175.52	3/4	1,009.84	3/4	844.16	3/4	678.49	3/4	513.16	
11	11	1,833.78	11	1,668.98	11	1,503.42	11	1,337.74	11	1,172.07	11	1,006.39	11	840.71	11	675.04	11	509.74	
1/4	1/4	1,830.37	1/4	1,665.53	1/4	1,499.97	1/4	1,334.29	1/4	1,168.61	1/4	1,002.94	1/4	837.26	1/4	671.58	1/4	506.32	
1/2	1/2	1,826.97	1/2	1,662.09	1/2	1,496.52	1/2	1,330.84	1/2	1,165.16	1/2	999.49	1/2	833.81	1/2	668.13	1/2	502.90	
3/4	3/4	1,823.56	3/4	1,658.65	3/4	1,493.06	3/4	1,327.39	3/4	1,161.71	3/4	996.03	3/4	830.36	3/4	664.68	3/4	499.48	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-6" OFF CENTERLINE AND 18'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "407"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	496.06	0	331.14	0	165.47	0		0		0		0		0		0		0	
1/4	492.64	1/4	327.69	1/4	162.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	489.22	1/2	324.24	1/2	158.56	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	485.80	3/4	320.79	3/4	155.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	482.38	1	317.34	1	151.66	1		1		1		1		1		1		1	
1/4	478.96	1/4	313.89	1/4	148.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	475.54	1/2	310.43	1/2	144.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	472.12	3/4	306.98	3/4	141.30	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	468.70	2	303.53	2	137.85	2		2		2		2		2		2		2	
1/4	465.28	1/4	300.08	1/4	134.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	461.86	1/2	296.63	1/2	130.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	458.44	3/4	293.18	3/4	127.50	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	455.02	3	289.72	3	124.05	3		3		3		3		3		3		3	
1/4	451.60	1/4	286.27	1/4	120.60	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	448.18	1/2	282.82	1/2	117.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	444.76	3/4	279.37	3/4	113.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	441.34	4	275.92	4	110.26	4		4		4		4		4		4		4	
1/4	437.92	1/4	272.47	1/4	106.82	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	434.50	1/2	269.01	1/2	103.37	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	431.08	3/4	265.56	3/4	99.93	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	427.66	5	262.11	5	96.49	5		5		5		5		5		5		5	
1/4	424.24	1/4	258.66	1/4	93.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	420.82	1/2	255.21	1/2	89.61	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	417.40	3/4	251.76	3/4	86.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	413.98	6	248.30	6	82.74	6		6		6		6		6		6		6	
1/4	410.53	1/4	244.85	1/4	79.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	407.08	1/2	241.40	1/2	75.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	403.63	3/4	237.95	3/4	72.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	400.18	7	234.50	7	69.03	7		7		7		7		7		7		7	
1/4	396.72	1/4	231.05	1/4	65.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393.27	1/2	227.60	1/2	62.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	389.82	3/4	224.14	3/4	58.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	386.37	8	220.69	8	55.38	8		8		8		8		8		8		8	
1/4	382.92	1/4	217.24	1/4	51.99	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	379.47	1/2	213.79	1/2	48.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	376.01	3/4	210.34	3/4	45.20	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	372.56	9	206.89	9	41.81	9		9		9		9		9		9		9	
1/4	369.11	1/4	203.43	1/4	38.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	365.66	1/2	199.98	1/2	35.49	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	362.21	3/4	196.53	3/4	32.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	358.76	10	193.08	10	29.18	10		10		10		10		10		10		10	
1/4	355.30	1/4	189.63	1/4	26.59	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	351.85	1/2	186.18	1/2	24.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	348.40	3/4	182.72	3/4	21.41	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	344.95	11	179.27	11	18.82	11		11		11		11		11		11		11	
1/4	341.50	1/4	175.82	1/4	16.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	338.05	1/2	172.37	1/2	14.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	334.59	3/4	168.92	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/15/2008 CL - SW
CALCULATED: 04/16/2008 CL
VERIFIED: 06/30/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "407"

4 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	1,818.78	0	1,653.88	0	1,488.33	0	1,322.69	0	1,157.06	0	991.43	0	825.79	0	660.16
1/4	1/4	1/4	1/4	1/4	1,815.38	1/4	1,650.44	1/4	1,484.88	1/4	1,319.24	1/4	1,153.61	1/4	987.97	1/4	822.34	1/4	656.71
1/2	1/2	1/2	1/2	1/2	1,811.97	1/2	1,646.99	1/2	1,481.42	1/2	1,315.79	1/2	1,150.16	1/2	984.52	1/2	818.89	1/2	653.26
3/4	3/4	3/4	3/4	3/4	1,808.57	3/4	1,643.55	3/4	1,477.97	3/4	1,312.34	3/4	1,146.71	3/4	981.07	3/4	815.44	3/4	649.81
1		1		1	1,805.16	1	1,640.11	1	1,474.52	1	1,308.89	1	1,143.26	1	977.62	1	811.99	1	646.36
1/4	1/4	1/4	1/4	1/4	1,801.76	1/4	1,636.67	1/4	1,471.07	1/4	1,305.44	1/4	1,139.81	1/4	974.17	1/4	808.54	1/4	642.90
1/2	1/2	1/2	1/2	1/2	1,798.35	1/2	1,633.23	1/2	1,467.62	1/2	1,301.99	1/2	1,136.35	1/2	970.72	1/2	805.09	1/2	639.45
3/4	3/4	3/4	3/4	3/4	1,794.95	3/4	1,629.78	3/4	1,464.17	3/4	1,298.54	3/4	1,132.90	3/4	967.27	3/4	801.64	3/4	636.00
2		2		2	1,791.54	2	1,626.34	2	1,460.72	2	1,295.09	2	1,129.45	2	963.82	2	798.19	2	632.55
1/4	1/4	1/4	1/4	1/4	1,788.10	1/4	1,622.90	1/4	1,457.27	1/4	1,291.64	1/4	1,126.00	1/4	960.37	1/4	794.74	1/4	629.10
1/2	1/2	1/2	1/2	1/2	1,784.66	1/2	1,619.45	1/2	1,453.82	1/2	1,288.19	1/2	1,122.55	1/2	956.92	1/2	791.28	1/2	625.65
3/4	3/4	3/4	3/4	3/4	1,781.22	3/4	1,616.00	3/4	1,450.37	3/4	1,284.73	3/4	1,119.10	3/4	953.47	3/4	787.83	3/4	622.20
3		3		3	1,777.78	3	1,612.55	3	1,446.92	3	1,281.28	3	1,115.65	3	950.02	3	784.38	3	618.75
1/4	1/4	1/4	1/4	1/4	1,774.34	1/4	1,609.10	1/4	1,443.47	1/4	1,277.83	1/4	1,112.20	1/4	946.57	1/4	780.93	1/4	615.30
1/2	1/2	1/2	1/2	1/2	1,770.89	1/2	1,605.65	1/2	1,440.02	1/2	1,274.38	1/2	1,108.75	1/2	943.12	1/2	777.48	1/2	611.85
3/4	3/4	3/4	3/4	3/4	1,767.45	3/4	1,602.20	3/4	1,436.57	3/4	1,270.93	3/4	1,105.30	3/4	939.66	3/4	774.03	3/4	608.40
4		4		4	1,764.01	4	1,598.75	4	1,433.11	4	1,267.48	4	1,101.85	4	936.21	4	770.58	4	604.95
1/4	1/4	1/4	1/4	1/4	1,760.57	1/4	1,595.30	1/4	1,429.66	1/4	1,264.03	1/4	1,098.40	1/4	932.76	1/4	767.13	1/4	601.49
1/2	1/2	1/2	1/2	1/2	1,757.13	1/2	1,591.85	1/2	1,426.21	1/2	1,260.58	1/2	1,094.95	1/2	929.31	1/2	763.68	1/2	598.04
3/4	3/4	3/4	3/4	3/4	1,753.69	3/4	1,588.40	3/4	1,422.76	3/4	1,257.13	3/4	1,091.50	3/4	925.86	3/4	760.23	3/4	594.59
5		5		5	1,750.24	5	1,584.95	5	1,419.31	5	1,253.68	5	1,088.04	5	922.41	5	756.78	5	591.14
1/4	1/4	1/4	1/4	1/4	1,746.80	1/4	1,581.49	1/4	1,415.86	1/4	1,250.23	1/4	1,084.59	1/4	918.96	1/4	753.33	1/4	587.69
1/2	1/2	1/2	1/2	1/2	1,743.36	1/2	1,578.04	1/2	1,412.41	1/2	1,246.78	1/2	1,081.14	1/2	915.51	1/2	749.88	1/2	584.24
3/4	3/4	3/4	3/4	3/4	1,739.92	3/4	1,574.59	3/4	1,408.96	3/4	1,243.33	3/4	1,077.69	3/4	912.06	3/4	746.43	3/4	580.79
6		6		6	1,736.48	6	1,571.14	6	1,405.51	6	1,239.88	6	1,074.24	6	908.61	6	742.97	6	577.34
1/4	1/4	1/4	1/4	1/4	1,733.04	1/4	1,567.69	1/4	1,402.06	1/4	1,236.42	1/4	1,070.79	1/4	905.16	1/4	739.52	1/4	573.89
1/2	1/2	1/2	1/2	1/2	1,885.19	1/2	1,729.59	1/2	1,564.24	1/2	1,398.61	1/2	1,232.97	1/2	1,067.34	1/2	901.71	1/2	736.07
3/4	3/4	3/4	3/4	3/4	1,883.22	3/4	1,726.15	3/4	1,560.79	3/4	1,395.16	3/4	1,229.52	3/4	1,063.89	3/4	898.26	3/4	732.62
7		7		7	1,881.26	7	1,722.71	7	1,557.34	7	1,391.71	7	1,226.07	7	1,060.44	7	894.81	7	729.17
1/4	1/4	1/4	1/4	1/4	1,878.80	1/4	1,719.27	1/4	1,553.89	1/4	1,388.26	1/4	1,222.62	1/4	1,056.99	1/4	891.35	1/4	725.72
1/2	1/2	1/2	1/2	1/2	1,876.35	1/2	1,715.83	1/2	1,550.44	1/2	1,384.80	1/2	1,219.17	1/2	1,053.54	1/2	887.90	1/2	722.27
3/4	3/4	3/4	3/4	3/4	1,873.89	3/4	1,712.39	3/4	1,546.99	3/4	1,381.35	3/4	1,215.72	3/4	1,050.09	3/4	884.45	3/4	718.82
8		8		8	1,871.44	8	1,708.94	8	1,543.54	8	1,377.90	8	1,212.27	8	1,046.64	8	881.00	8	715.37
1/4	1/4	1/4	1/4	1/4	1,868.49	1/4	1,705.50	1/4	1,540.09	1/4	1,374.45	1/4	1,208.82	1/4	1,043.19	1/4	877.55	1/4	711.92
1/2	1/2	1/2	1/2	1/2	1,865.54	1/2	1,702.06	1/2	1,536.64	1/2	1,371.00	1/2	1,205.37	1/2	1,039.73	1/2	874.10	1/2	708.47
3/4	3/4	3/4	3/4	3/4	1,862.59	3/4	1,698.62	3/4	1,533.19	3/4	1,367.55	3/4	1,201.92	3/4	1,036.28	3/4	870.65	3/4	705.02
9		9		9	1,859.64	9	1,695.18	9	1,529.73	9	1,364.10	9	1,198.47	9	1,032.83	9	867.20	9	701.57
1/4	1/4	1/4	1/4	1/4	1,856.24	1/4	1,691.74	1/4	1,526.28	1/4	1,360.65	1/4	1,195.02	1/4	1,029.38	1/4	863.75	1/4	698.12
1/2	1/2	1/2	1/2	1/2	1,852.83	1/2	1,688.29	1/2	1,522.83	1/2	1,357.20	1/2	1,191.57	1/2	1,025.93	1/2	860.30	1/2	694.66
3/4	3/4	3/4	3/4	3/4	1,849.43	3/4	1,684.85	3/4	1,519.38	3/4	1,353.75	3/4	1,188.12	3/4	1,022.48	3/4	856.85	3/4	691.21
10		10		10	1,846.02	10	1,681.41	10	1,515.93	10	1,350.30	10	1,184.66	10	1,019.03	10	853.40	10	687.76
1/4	1/4	1/4	1/4	1/4	1,842.62	1/4	1,677.97	1/4	1,512.48	1/4	1,346.85	1/4	1,181.21	1/4	1,015.58	1/4	849.95	1/4	684.31
1/2	1/2	1/2	1/2	1/2	1,839.21	1/2	1,674.53	1/2	1,509.03	1/2	1,343.40	1/2	1,177.76	1/2	1,012.13	1/2	846.50	1/2	680.86
3/4	3/4	3/4	3/4	3/4	1,835.81	3/4	1,671.09	3/4	1,505.58	3/4	1,339.95	3/4	1,174.31	3/4	1,008.68	3/4	843.05	3/4	677.41
11		11		11	1,832.40	11	1,667.64	11	1,502.13	11	1,336.50	11	1,170.86	11	1,005.23	11	839.59	11	673.96
1/4	1/4	1/4	1/4	1/4	1,829.00	1/4	1,664.20	1/4	1,498.68	1/4	1,333.04	1/4	1,167.41	1/4	1,001.78	1/4	836.14	1/4	670.51
1/2	1/2	1/2	1/2	1/2	1,825.59	1/2	1,660.76	1/2	1,495.23	1/2	1,329.59	1/2	1,163.96	1/2	998.33	1/2	832.69	1/2	667.06
3/4	3/4	3/4	3/4	3/4	1,822.19	3/4	1,657.32	3/4	1,491.78	3/4	1,326.14	3/4	1,160.51	3/4	994.88	3/4	829.24	3/4	663.61

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-6" OFF CENTERLINE AND 18'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "407"

4 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	495.39	0	331.06	0	165.42	0		0		0		0		0		0		0	
1/4	491.99	1/4	327.61	1/4	161.97	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	488.59	1/2	324.16	1/2	158.52	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	485.20	3/4	320.70	3/4	155.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	481.80	1	317.25	1	151.62	1		1		1		1		1		1		1	
1/4	478.41	1/4	313.80	1/4	148.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	475.01	1/2	310.35	1/2	144.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	471.61	3/4	306.90	3/4	141.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	468.22	2	303.45	2	137.82	2		2		2		2		2		2		2	
1/4	464.82	1/4	300.00	1/4	134.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	461.42	1/2	296.55	1/2	130.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	458.03	3/4	293.10	3/4	127.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	454.63	3	289.65	3	124.02	3		3		3		3		3		3		3	
1/4	451.23	1/4	286.20	1/4	120.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	447.84	1/2	282.75	1/2	117.12	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	444.44	3/4	279.30	3/4	113.68	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	441.04	4	275.85	4	110.23	4		4		4		4		4		4		4	
1/4	437.65	1/4	272.39	1/4	106.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	434.25	1/2	268.94	1/2	103.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	430.86	3/4	265.49	3/4	99.90	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	427.46	5	262.04	5	96.46	5		5		5		5		5		5		5	
1/4	424.06	1/4	258.59	1/4	93.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	420.67	1/2	255.14	1/2	89.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	417.27	3/4	251.69	3/4	86.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	413.87	6	248.24	6	82.72	6		6		6		6		6		6		6	
1/4	410.42	1/4	244.79	1/4	79.29	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	406.97	1/2	241.34	1/2	75.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	403.52	3/4	237.89	3/4	72.44	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	400.07	7	234.44	7	69.01	7		7		7		7		7		7		7	
1/4	396.62	1/4	230.99	1/4	65.60	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393.17	1/2	227.54	1/2	62.19	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	389.72	3/4	224.09	3/4	58.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	386.27	8	220.63	8	55.36	8		8		8		8		8		8		8	
1/4	382.82	1/4	217.18	1/4	51.97	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	379.37	1/2	213.73	1/2	48.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	375.92	3/4	210.28	3/4	45.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	372.47	9	206.83	9	41.80	9		9		9		9		9		9		9	
1/4	369.01	1/4	203.38	1/4	38.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	365.56	1/2	199.93	1/2	35.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	362.11	3/4	196.48	3/4	32.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	358.66	10	193.03	10	29.17	10		10		10		10		10		10		10	
1/4	355.21	1/4	189.58	1/4	26.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	351.76	1/2	186.13	1/2	23.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	348.31	3/4	182.68	3/4	21.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	344.86	11	179.23	11	18.82	11		11		11		11		11		11		11	
1/4	341.41	1/4	175.78	1/4	16.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	337.96	1/2	172.32	1/2	14.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	334.51	3/4	168.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/15/2008 CL - SW
CALCULATED: 04/16/2008 CL
VERIFIED: 06/30/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "407"

4 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0		0		0	1,823.14	0	1,658.18	0	1,492.56	0	1,326.84	0	1,161.12	0	995.40	0	829.68	0	663.96
1/4	1/4	1/4		1/4	1,819.73	1/4	1,654.74	1/4	1,489.10	1/4	1,323.38	1/4	1,157.66	1/4	991.94	1/4	826.22	1/4	660.50
1/2	1/2	1/2		1/2	1,816.32	1/2	1,651.30	1/2	1,485.65	1/2	1,319.93	1/2	1,154.21	1/2	988.49	1/2	822.77	1/2	657.05
3/4	3/4	3/4		3/4	1,812.92	3/4	1,647.85	3/4	1,482.20	3/4	1,316.48	3/4	1,150.76	3/4	985.04	3/4	819.32	3/4	653.60
1		1		1	1,809.51	1	1,644.41	1	1,478.75	1	1,313.03	1	1,147.31	1	981.59	1	815.87	1	650.15
1/4	1/4	1/4		1/4	1,806.11	1/4	1,640.97	1/4	1,475.29	1/4	1,309.57	1/4	1,143.85	1/4	978.13	1/4	812.41	1/4	646.69
1/2	1/2	1/2		1/2	1,802.70	1/2	1,637.52	1/2	1,471.84	1/2	1,306.12	1/2	1,140.40	1/2	974.68	1/2	808.96	1/2	643.24
3/4	3/4	3/4		3/4	1,799.29	3/4	1,634.08	3/4	1,468.39	3/4	1,302.67	3/4	1,136.95	3/4	971.23	3/4	805.51	3/4	639.79
2		2		2	1,795.89	2	1,630.63	2	1,464.94	2	1,299.22	2	1,133.50	2	967.78	2	802.06	2	636.34
1/4	1/4	1/4		1/4	1,792.48	1/4	1,627.19	1/4	1,461.48	1/4	1,295.76	1/4	1,130.04	1/4	964.32	1/4	798.60	1/4	632.88
1/2	1/2	1/2		1/2	1,789.04	1/2	1,623.74	1/2	1,458.03	1/2	1,292.31	1/2	1,126.59	1/2	960.87	1/2	795.15	1/2	629.43
3/4	3/4	3/4		3/4	1,785.59	3/4	1,620.29	3/4	1,454.58	3/4	1,288.86	3/4	1,123.14	3/4	957.42	3/4	791.70	3/4	625.98
3		3		3	1,782.15	3	1,616.84	3	1,451.13	3	1,285.41	3	1,119.69	3	953.97	3	788.25	3	622.53
1/4	1/4	1/4		1/4	1,778.71	1/4	1,613.39	1/4	1,447.67	1/4	1,281.95	1/4	1,116.23	1/4	950.51	1/4	784.79	1/4	619.07
1/2	1/2	1/2		1/2	1,775.26	1/2	1,609.94	1/2	1,444.22	1/2	1,278.50	1/2	1,112.78	1/2	947.06	1/2	781.34	1/2	615.62
3/4	3/4	3/4		3/4	1,771.82	3/4	1,606.49	3/4	1,440.77	3/4	1,275.05	3/4	1,109.33	3/4	943.61	3/4	777.89	3/4	612.17
4		4		4	1,768.37	4	1,603.04	4	1,437.32	4	1,271.60	4	1,105.88	4	940.16	4	774.44	4	608.71
1/4	1/4	1/4		1/4	1,764.93	1/4	1,599.58	1/4	1,433.86	1/4	1,268.14	1/4	1,102.42	1/4	936.70	1/4	770.98	1/4	605.26
1/2	1/2	1/2		1/2	1,761.49	1/2	1,596.13	1/2	1,430.41	1/2	1,264.69	1/2	1,098.97	1/2	933.25	1/2	767.53	1/2	601.81
3/4	3/4	3/4		3/4	1,758.04	3/4	1,592.68	3/4	1,426.96	3/4	1,261.24	3/4	1,095.52	3/4	929.80	3/4	764.08	3/4	598.36
5		5		5	1,754.60	5	1,589.23	5	1,423.51	5	1,257.79	5	1,092.07	5	926.35	5	760.63	5	594.90
1/4	1/4	1/4		1/4	1,751.16	1/4	1,585.77	1/4	1,420.05	1/4	1,254.33	1/4	1,088.61	1/4	922.89	1/4	757.17	1/4	591.45
1/2	1/2	1/2		1/2	1,747.71	1/2	1,582.32	1/2	1,416.60	1/2	1,250.88	1/2	1,085.16	1/2	919.44	1/2	753.72	1/2	588.00
3/4	3/4	3/4		3/4	1,744.27	3/4	1,578.87	3/4	1,413.15	3/4	1,247.43	3/4	1,081.71	3/4	915.99	3/4	750.27	3/4	584.54
6		6		6	1,740.83	6	1,575.42	6	1,409.70	6	1,243.98	6	1,078.26	6	912.54	6	746.82	6	581.09
1/4	1/4	1/4		1/4	1,737.38	1/4	1,571.96	1/4	1,406.24	1/4	1,240.52	1/4	1,074.80	1/4	909.08	1/4	743.36	1/4	577.64
1/2	1/2	1/2		1/2	1,733.94	1/2	1,568.51	1/2	1,402.79	1/2	1,237.07	1/2	1,071.35	1/2	905.63	1/2	739.91	1/2	574.18
3/4	3/4	3/4		3/4	1,886.17	3/4	1,730.50	3/4	1,565.06	3/4	1,399.34	3/4	1,233.62	3/4	1,067.90	3/4	902.18	3/4	570.73
7		7		7	1,884.21	7	1,727.05	7	1,561.61	7	1,395.89	7	1,230.17	7	1,064.45	7	898.73	7	567.28
1/4	1/4	1/4		1/4	1,882.25	1/4	1,723.61	1/4	1,558.15	1/4	1,392.43	1/4	1,226.71	1/4	1,060.99	1/4	895.27	1/4	563.83
1/2	1/2	1/2		1/2	1,879.79	1/2	1,720.17	1/2	1,554.70	1/2	1,388.98	1/2	1,223.26	1/2	1,057.54	1/2	891.82	1/2	560.37
3/4	3/4	3/4		3/4	1,877.33	3/4	1,716.72	3/4	1,551.25	3/4	1,385.53	3/4	1,219.81	3/4	1,054.09	3/4	888.37	3/4	556.92
8		8		8	1,874.87	8	1,713.28	8	1,547.80	8	1,382.08	8	1,216.36	8	1,050.64	8	884.92	8	553.47
1/4	1/4	1/4		1/4	1,872.42	1/4	1,709.84	1/4	1,544.34	1/4	1,378.62	1/4	1,212.90	1/4	1,047.18	1/4	881.46	1/4	550.01
1/2	1/2	1/2		1/2	1,869.47	1/2	1,706.39	1/2	1,540.89	1/2	1,375.17	1/2	1,209.45	1/2	1,043.73	1/2	878.01	1/2	546.62
3/4	3/4	3/4		3/4	1,866.51	3/4	1,702.95	3/4	1,537.44	3/4	1,371.72	3/4	1,206.00	3/4	1,040.28	3/4	874.56	3/4	543.22
9		9		9	1,863.56	9	1,699.50	9	1,533.99	9	1,368.27	9	1,202.55	9	1,036.83	9	871.11	9	539.82
1/4	1/4	1/4		1/4	1,860.61	1/4	1,696.06	1/4	1,530.53	1/4	1,364.81	1/4	1,199.09	1/4	1,033.37	1/4	867.65	1/4	536.42
1/2	1/2	1/2		1/2	1,857.20	1/2	1,692.62	1/2	1,527.08	1/2	1,361.36	1/2	1,195.64	1/2	1,029.92	1/2	864.20	1/2	533.02
3/4	3/4	3/4		3/4	1,853.80	3/4	1,689.17	3/4	1,523.63	3/4	1,357.91	3/4	1,192.19	3/4	1,026.47	3/4	860.75	3/4	529.63
10		10		10	1,850.39	10	1,685.73	10	1,520.18	10	1,354.46	10	1,188.74	10	1,023.02	10	857.30	10	526.23
1/4	1/4	1/4		1/4	1,846.98	1/4	1,682.29	1/4	1,516.72	1/4	1,351.00	1/4	1,185.28	1/4	1,019.56	1/4	853.84	1/4	522.83
1/2	1/2	1/2		1/2	1,843.58	1/2	1,678.84	1/2	1,513.27	1/2	1,347.55	1/2	1,181.83	1/2	1,016.11	1/2	850.39	1/2	519.43
3/4	3/4	3/4		3/4	1,840.17	3/4	1,675.40	3/4	1,509.82	3/4	1,344.10	3/4	1,178.38	3/4	1,012.66	3/4	846.94	3/4	516.03
11		11		11	1,836.76	11	1,671.96	11	1,506.37	11	1,340.65	11	1,174.93	11	1,009.21	11	843.49	11	512.64
1/4	1/4	1/4		1/4	1,833.36	1/4	1,668.51	1/4	1,502.91	1/4	1,337.19	1/4	1,171.47	1/4	1,005.75	1/4	840.03	1/4	509.24
1/2	1/2	1/2		1/2	1,829.95	1/2	1,665.07	1/2	1,499.46	1/2	1,333.74	1/2	1,168.02	1/2	1,002.30	1/2	836.58	1/2	505.84
3/4	3/4	3/4		3/4	1,826.54	3/4	1,661.63	3/4	1,496.01	3/4	1,330.29	3/4	1,164.57	3/4	998.85	3/4	833.13	3/4	502.44

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 12'-6" OFF CENTERLINE AND 18'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "407"

4 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	499.04	0	334.68	0	168.96	0		0		0		0		0		0		0	
1/4	495.64	1/4	331.23	1/4	165.51	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	492.25	1/2	327.78	1/2	162.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	488.85	3/4	324.33	3/4	158.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	485.45	1	320.87	1	155.15	1		1		1		1		1		1		1	
1/4	482.05	1/4	317.42	1/4	151.70	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	478.65	1/2	313.97	1/2	148.25	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	475.26	3/4	310.52	3/4	144.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	471.86	2	307.06	2	141.34	2		2		2		2		2		2		2	
1/4	468.46	1/4	303.61	1/4	137.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	465.06	1/2	300.16	1/2	134.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	461.66	3/4	296.71	3/4	130.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	458.27	3	293.25	3	127.53	3		3		3		3		3		3		3	
1/4	454.87	1/4	289.80	1/4	124.08	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	451.47	1/2	286.35	1/2	120.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	448.07	3/4	282.90	3/4	117.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	444.67	4	279.44	4	113.74	4		4		4		4		4		4		4	
1/4	441.28	1/4	275.99	1/4	110.29	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	437.88	1/2	272.54	1/2	106.84	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	434.48	3/4	269.09	3/4	103.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	431.08	5	265.63	5	99.96	5		5		5		5		5		5		5	
1/4	427.68	1/4	262.18	1/4	96.51	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	424.28	1/2	258.73	1/2	93.07	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	420.89	3/4	255.28	3/4	89.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	417.49	6	251.82	6	86.20	6		6		6		6		6		6		6	
1/4	414.09	1/4	248.37	1/4	82.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	410.64	1/2	244.92	1/2	79.34	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	407.19	3/4	241.47	3/4	75.91	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	403.73	7	238.01	7	72.48	7		7		7		7		7		7		7	
1/4	400.28	1/4	234.56	1/4	69.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	396.83	1/2	231.11	1/2	65.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	393.38	3/4	227.66	3/4	62.22	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	389.92	8	224.20	8	58.81	8		8		8		8		8		8		8	
1/4	386.47	1/4	220.75	1/4	55.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	383.02	1/2	217.30	1/2	52.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	379.57	3/4	213.85	3/4	48.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	376.11	9	210.39	9	45.21	9		9		9		9		9		9		9	
1/4	372.66	1/4	206.94	1/4	41.82	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	369.21	1/2	203.49	1/2	38.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	365.76	3/4	200.04	3/4	35.50	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	362.30	10	196.58	10	32.34	10		10		10		10		10		10		10	
1/4	358.85	1/4	193.13	1/4	29.18	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	355.40	1/2	189.68	1/2	26.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	351.95	3/4	186.23	3/4	24.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	348.49	11	182.77	11	21.42	11		11		11		11		11		11		11	
1/4	345.04	1/4	179.32	1/4	18.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	341.59	1/2	175.87	1/2	16.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	338.14	3/4	172.42	3/4	14.80	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/15/2008 CL - SW
CALCULATED: 04/16/2008 CL
VERIFIED: 06/30/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "407"

5 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 13'-00 1/2"

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.		
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0			0			0	1,825.08	0	0	1,660.31	0	0	1,494.86	0	0	1,329.30	0	0	1,163.73	0	0	998.16	0	0	832.60	0	0	667.03	
1/4	1/4		1/4			1/4	1,821.67	1/4	1/4	1,656.87	1/4	1/4	1,491.41	1/4	1/4	1,325.85	1/4	1/4	1,160.28	1/4	1/4	994.72	1/4	1/4	829.15	1/4	1/4	663.58	
1/2	1/2		1/2			1/2	1,818.27	1/2	1/2	1,653.43	1/2	1/2	1,487.97	1/2	1/2	1,322.40	1/2	1/2	1,156.83	1/2	1/2	991.27	1/2	1/2	825.70	1/2	1/2	660.13	
3/4	3/4		3/4			3/4	1,814.87	3/4	3/4	1,649.99	3/4	3/4	1,484.52	3/4	3/4	1,318.95	3/4	3/4	1,153.38	3/4	3/4	987.82	3/4	3/4	822.25	3/4	3/4	656.68	
1			1			1	1,811.46	1	1	1,646.55	1	1	1,481.07	1	1	1,315.50	1	1	1,149.93	1	1	984.37	1	1	818.80	1	1	653.23	
1/4	1/4		1/4			1/4	1,808.06	1/4	1/4	1,643.11	1/4	1/4	1,477.62	1/4	1/4	1,312.05	1/4	1/4	1,146.48	1/4	1/4	980.92	1/4	1/4	815.35	1/4	1/4	649.79	
1/2	1/2		1/2			1/2	1,804.66	1/2	1/2	1,639.67	1/2	1/2	1,474.17	1/2	1/2	1,308.60	1/2	1/2	1,143.04	1/2	1/2	977.47	1/2	1/2	811.90	1/2	1/2	646.34	
3/4	3/4		3/4			3/4	1,801.25	3/4	3/4	1,636.23	3/4	3/4	1,470.72	3/4	3/4	1,305.15	3/4	3/4	1,139.59	3/4	3/4	974.02	3/4	3/4	808.45	3/4	3/4	642.89	
2			2			2	1,797.85	2	2	1,632.79	2	2	1,467.27	2	2	1,301.70	2	2	1,136.14	2	2	970.57	2	2	805.00	2	2	639.44	
1/4	1/4		1/4			1/4	1,794.45	1/4	1/4	1,629.35	1/4	1/4	1,463.82	1/4	1/4	1,298.25	1/4	1/4	1,132.69	1/4	1/4	967.12	1/4	1/4	801.55	1/4	1/4	635.99	
1/2	1/2		1/2			1/2	1,791.04	1/2	1/2	1,625.91	1/2	1/2	1,460.37	1/2	1/2	1,294.80	1/2	1/2	1,129.24	1/2	1/2	963.67	1/2	1/2	798.11	1/2	1/2	632.54	
3/4	3/4		3/4			3/4	1,787.60	3/4	3/4	1,622.47	3/4	3/4	1,456.92	3/4	3/4	1,291.36	3/4	3/4	1,125.79	3/4	3/4	960.22	3/4	3/4	794.66	3/4	3/4	629.09	
3			3			3	1,784.16	3	3	1,619.03	3	3	1,453.47	3	3	1,287.91	3	3	1,122.34	3	3	956.77	3	3	791.21	3	3	625.64	
1/4	1/4		1/4			1/4	1,780.72	1/4	1/4	1,615.58	1/4	1/4	1,450.02	1/4	1/4	1,284.46	1/4	1/4	1,118.89	1/4	1/4	953.32	1/4	1/4	787.76	1/4	1/4	622.19	
1/2	1/2		1/2			1/2	1,777.28	1/2	1/2	1,612.14	1/2	1/2	1,446.57	1/2	1/2	1,281.01	1/2	1/2	1,115.44	1/2	1/2	949.87	1/2	1/2	784.31	1/2	1/2	618.74	
3/4	3/4		3/4			3/4	1,773.84	3/4	3/4	1,608.69	3/4	3/4	1,443.12	3/4	3/4	1,277.56	3/4	3/4	1,111.99	3/4	3/4	946.43	3/4	3/4	780.86	3/4	3/4	615.29	
4			4			4	1,770.40	4	4	1,605.24	4	4	1,439.68	4	4	1,274.11	4	4	1,108.54	4	4	942.98	4	4	777.41	4	4	611.84	
1/4	1/4		1/4			1/4	1,766.96	1/4	1/4	1,601.79	1/4	1/4	1,436.23	1/4	1/4	1,270.66	1/4	1/4	1,105.09	1/4	1/4	939.53	1/4	1/4	773.96	1/4	1/4	608.39	
1/2	1/2		1/2			1/2	1,763.52	1/2	1/2	1,598.34	1/2	1/2	1,432.78	1/2	1/2	1,267.21	1/2	1/2	1,101.64	1/2	1/2	936.08	1/2	1/2	770.51	1/2	1/2	604.94	
3/4	3/4		3/4			3/4	1,760.08	3/4	3/4	1,594.89	3/4	3/4	1,429.33	3/4	3/4	1,263.76	3/4	3/4	1,098.19	3/4	3/4	932.63	3/4	3/4	767.06	3/4	3/4	601.49	
5			5			5	1,756.64	5	5	1,591.44	5	5	1,425.88	5	5	1,260.31	5	5	1,094.75	5	5	929.18	5	5	763.61	5	5	598.04	
1/4	1/4		1/4			1/4	1,753.20	1/4	1/4	1,588.00	1/4	1/4	1,422.43	1/4	1/4	1,256.86	1/4	1/4	1,091.30	1/4	1/4	925.73	1/4	1/4	760.16	1/4	1/4	594.60	
1/2	1/2		1/2			1/2	1,749.76	1/2	1/2	1,584.55	1/2	1/2	1,418.98	1/2	1/2	1,253.41	1/2	1/2	1,087.85	1/2	1/2	922.28	1/2	1/2	756.71	1/2	1/2	591.15	
3/4	3/4		3/4			3/4	1,746.32	3/4	3/4	1,581.10	3/4	3/4	1,415.53	3/4	3/4	1,249.96	3/4	3/4	1,084.40	3/4	3/4	918.83	3/4	3/4	753.26	3/4	3/4	587.70	
6			6			6	1,742.88	6	6	1,577.65	6	6	1,412.08	6	6	1,246.51	6	6	1,080.95	6	6	915.38	6	6	749.82	6	6	584.25	
1/4	1/4		1/4			1/4	1,739.44	1/4	1/4	1,574.20	1/4	1/4	1,408.63	1/4	1/4	1,243.07	1/4	1/4	1,077.50	1/4	1/4	911.93	1/4	1/4	746.37	1/4	1/4	580.80	
1/2	1/2		1/2			1/2	1,736.00	1/2	1/2	1,570.75	1/2	1/2	1,405.18	1/2	1/2	1,239.62	1/2	1/2	1,074.05	1/2	1/2	908.48	1/2	1/2	742.92	1/2	1/2	577.35	
3/4	3/4		3/4			3/4	1,732.56	3/4	3/4	1,567.30	3/4	3/4	1,401.73	3/4	3/4	1,236.17	3/4	3/4	1,070.60	3/4	3/4	905.03	3/4	3/4	739.47	3/4	3/4	573.90	
7		1,884.64	7	1,729.12	7	7	1,563.85	7	7	1,398.28	7	7	1,232.72	7	7	1,067.15	7	7	901.58	7	7	736.02	7	7	570.45				
1/4	1/4	1,882.68	1/4	1,725.68	1/4	1/4	1,560.40	1/4	1/4	1,394.83	1/4	1/4	1,229.27	1/4	1/4	1,063.70	1/4	1/4	898.14	1/4	1/4	732.57	1/4	1/4	567.00				
1/2	1/2	1,880.72	1/2	1,722.24	1/2	1/2	1,556.95	1/2	1/2	1,391.38	1/2	1/2	1,225.82	1/2	1/2	1,060.25	1/2	1/2	894.69	1/2	1/2	729.12	1/2	1/2	563.55				
3/4	3/4	1,878.26	3/4	1,718.80	3/4	3/4	1,553.50	3/4	3/4	1,387.94	3/4	3/4	1,222.37	3/4	3/4	1,056.80	3/4	3/4	891.24	3/4	3/4	725.67	3/4	3/4	560.10				
8		1,875.81	8	1,715.36	8	8	1,550.05	8	8	1,384.49	8	8	1,218.92	8	8	1,053.35	8	8	887.79	8	8	722.22	8	8	556.65				
1/4	1/4	1,873.35	1/4	1,711.92	1/4	1/4	1,546.60	1/4	1/4	1,381.04	1/4	1/4	1,215.47	1/4	1/4	1,049.90	1/4	1/4	884.34	1/4	1/4	718.77	1/4	1/4	553.20				
1/2	1/2	1,870.90	1/2	1,708.48	1/2	1/2	1,543.15	1/2	1/2	1,377.59	1/2	1/2	1,212.02	1/2	1/2	1,046.45	1/2	1/2	880.89	1/2	1/2	715.32	1/2	1/2	549.75				
3/4	3/4	1,867.95	3/4	1,705.04	3/4	3/4	1,539.70	3/4	3/4	1,374.14	3/4	3/4	1,208.57	3/4	3/4	1,043.01	3/4	3/4	877.44	3/4	3/4	711.87	3/4	3/4	546.33				
9		1,865.01	9	1,701.60	9	9	1,536.26	9	9	1,370.69	9	9	1,205.12	9	9	1,039.56	9	9	873.99	9	9	707.42	9	9	542.92				
1/4	1/4	1,862.06	1/4	1,698.16	1/4	1/4	1,532.81	1/4	1/4	1,367.24	1/4	1/4	1,201.67	1/4	1/4	1,036.11	1/4	1/4	870.54	1/4	1/4	704.97	1/4	1/4	539.50				
1/2	1/2	1,859.11	1/2	1,694.72	1/2	1/2	1,529.36	1/2	1/2	1,363.79	1/2	1/2	1,198.22	1/2	1/2	1,032.66	1/2	1/2	867.09	1/2	1/2	701.52	1/2	1/2	536.08				
3/4	3/4	1,855.71	3/4	1,691.28	3/4	3/4	1,525.91	3/4	3/4	1,360.34	3/4	3/4	1,194.77	3/4	3/4	1,029.21	3/4	3/4	863.64	3/4	3/4	698.08	3/4	3/4	532.66				
10		1,852.31	10	1,687.84	10	10	1,522.46	10	10	1,356.89	10	10	1,191.33	10	10	1,025.76	10	10	860.19	10	10	694.63	10	10	529.25				
1/4	1/4	1,848.90	1/4	1,684.40	1/4	1/4	1,519.01	1/4	1/4	1,353.44	1/4	1/4	1,187.88	1/4	1/4	1,022.31	1/4	1/4	856.74	1/4	1/4	691.18	1/4	1/4	525.83				
1/2	1/2	1,845.50	1/2	1,680.96	1/2	1/2	1,515.56	1/2	1/2	1,349.99	1/2	1/2	1,184.43	1/2	1/2	1,018.86	1/2	1/2	853.29	1/2	1/2	687.73	1/2	1/2	522.41				
3/4	3/4	1,842.09	3/4	1,677.52	3/4	3/4	1,512.11	3/4	3/4	1,346.54	3/4	3/4	1,180.98	3/4	3/4	1,015.41	3/4	3/4	849.84	3/4	3/4	684.28	3/4	3/4	519.00				
11		1,838.69	11	1,674.08	11	11	1,508.66	11	11	1,343.09	11	11	1,177.53	11	11	1,011.96	11	11	846.40	11	11	680.83	11	11	515.58				
1/4	1/4	1,835.29	1/4	1,670.64	1/4	1/4	1,505.21	1/4	1/4	1,339.65	1/4	1/4	1,1																



BARGE "407"

5 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 13'-00 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	501.95	0	338.05	0	172.37	0	14.79	0		0		0		0		0		0	
1/4	498.56	1/4	334.59	1/4	168.92	1/4	12.78	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	495.16	1/2	331.14	1/2	165.47	1/2	10.77	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	491.77	3/4	327.69	3/4	162.01	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
1	488.37	1	324.24	1	158.56	1		1	1	1	1	1	1	1	1	1	1	1	1
1/4	484.98	1/4	320.79	1/4	155.11	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	481.58	1/2	317.34	1/2	151.66	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	478.19	3/4	313.89	3/4	148.21	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
2	474.79	2	310.43	2	144.76	2		2	2	2	2	2	2	2	2	2	2	2	2
1/4	471.40	1/4	306.98	1/4	141.30	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	468.00	1/2	303.53	1/2	137.85	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	464.61	3/4	300.08	3/4	134.40	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
3	461.21	3	296.63	3	130.95	3		3	3	3	3	3	3	3	3	3	3	3	3
1/4	457.82	1/4	293.18	1/4	127.50	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	454.42	1/2	289.72	1/2	124.05	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	451.03	3/4	286.27	3/4	120.60	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
4	447.63	4	282.82	4	117.15	4		4	4	4	4	4	4	4	4	4	4	4	4
1/4	444.24	1/4	279.37	1/4	113.71	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	440.84	1/2	275.92	1/2	110.26	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	437.45	3/4	272.47	3/4	106.82	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
5	434.05	5	269.01	5	103.37	5		5	5	5	5	5	5	5	5	5	5	5	5
1/4	430.66	1/4	265.56	1/4	99.93	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	427.26	1/2	262.11	1/2	96.49	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	423.87	3/4	258.66	3/4	93.05	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
6	420.47	6	255.21	6	89.61	6		6	6	6	6	6	6	6	6	6	6	6	6
1/4	417.08	1/4	251.76	1/4	86.18	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	413.68	1/2	248.30	1/2	82.74	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	410.26	3/4	244.85	3/4	79.31	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
7	406.83	7	241.40	7	75.89	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	403.40	1/4	237.95	1/4	72.46	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	399.98	1/2	234.50	1/2	69.03	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	396.55	3/4	231.05	3/4	65.62	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
8	393.12	8	227.60	8	62.21	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	389.70	1/4	224.14	1/4	58.79	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	386.27	1/2	220.69	1/2	55.38	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	382.84	3/4	217.24	3/4	51.99	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
9	379.42	9	213.79	9	48.59	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	375.99	1/4	210.34	1/4	45.20	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	372.56	1/2	206.89	1/2	41.81	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	369.11	3/4	203.43	3/4	38.65	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
10	365.66	10	199.98	10	35.49	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	362.21	1/4	196.53	1/4	32.33	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	358.76	1/2	193.08	1/2	29.18	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	355.30	3/4	189.63	3/4	26.59	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
11	351.85	11	186.18	11	24.00	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	348.40	1/4	182.72	1/4	21.41	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	344.95	1/2	179.27	1/2	18.82	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	341.50	3/4	175.82	3/4	16.81	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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/15/2008 CL - SW
CALCULATED: 04/16/2008 CL
VERIFIED: 06/30/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "407"

5 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	1,813.91	0	1,649.12	0	1,483.74	0	1,318.26	0	1,152.78	0	987.30	0	821.82	0	656.34	
1/4	1/4	1/4	1/4	1/4	1,810.51	1/4	1,645.68	1/4	1,480.29	1/4	1,314.81	1/4	1,149.33	1/4	983.85	1/4	818.37	1/4	652.89	
1/2	1/2	1/2	1/2	1/2	1,807.11	1/2	1,642.25	1/2	1,476.84	1/2	1,311.36	1/2	1,145.88	1/2	980.40	1/2	814.92	1/2	649.44	
3/4	3/4	3/4	3/4	3/4	1,803.70	3/4	1,638.81	3/4	1,473.40	3/4	1,307.92	3/4	1,142.44	3/4	976.96	3/4	811.48	3/4	646.00	
1	1	1	1	1	1,800.30	1	1,635.37	1	1,469.95	1	1,304.47	1	1,138.99	1	973.51	1	808.03	1	642.55	
1/4	1/4	1/4	1/4	1/4	1,796.90	1/4	1,631.93	1/4	1,466.50	1/4	1,301.02	1/4	1,135.54	1/4	970.06	1/4	804.58	1/4	639.10	
1/2	1/2	1/2	1/2	1/2	1,793.50	1/2	1,628.49	1/2	1,463.05	1/2	1,297.57	1/2	1,132.09	1/2	966.61	1/2	801.13	1/2	635.65	
3/4	3/4	3/4	3/4	3/4	1,790.10	3/4	1,625.05	3/4	1,459.61	3/4	1,294.13	3/4	1,128.65	3/4	963.17	3/4	797.69	3/4	632.21	
2	2	2	2	2	1,786.66	2	1,621.61	2	1,456.16	2	1,290.68	2	1,125.20	2	959.72	2	794.24	2	628.76	
1/4	1/4	1/4	1/4	1/4	1,783.22	1/4	1,618.17	1/4	1,452.71	1/4	1,287.23	1/4	1,121.75	1/4	956.27	1/4	790.79	1/4	625.31	
1/2	1/2	1/2	1/2	1/2	1,779.78	1/2	1,614.74	1/2	1,449.26	1/2	1,283.78	1/2	1,118.30	1/2	952.82	1/2	787.34	1/2	621.86	
3/4	3/4	3/4	3/4	3/4	1,776.34	3/4	1,611.30	3/4	1,445.82	3/4	1,280.34	3/4	1,114.86	3/4	949.38	3/4	783.90	3/4	618.42	
3	3	3	3	3	1,772.91	3	1,607.85	3	1,442.37	3	1,276.89	3	1,111.41	3	945.93	3	780.45	3	614.97	
1/4	1/4	1/4	1/4	1/4	1,769.47	1/4	1,604.40	1/4	1,438.92	1/4	1,273.44	1/4	1,107.96	1/4	942.48	1/4	777.00	1/4	611.52	
1/2	1/2	1/2	1/2	1/2	1,766.03	1/2	1,600.95	1/2	1,435.47	1/2	1,269.99	1/2	1,104.51	1/2	939.03	1/2	773.55	1/2	608.07	
3/4	3/4	3/4	3/4	3/4	1,762.59	3/4	1,597.51	3/4	1,432.03	3/4	1,266.55	3/4	1,101.07	3/4	935.59	3/4	770.11	3/4	604.62	
4	4	4	4	4	1,759.15	4	1,594.06	4	1,428.58	4	1,263.10	4	1,097.62	4	932.14	4	766.66	4	601.18	
1/4	1/4	1/4	1/4	1/4	1,755.71	1/4	1,590.61	1/4	1,425.13	1/4	1,259.65	1/4	1,094.17	1/4	928.69	1/4	763.21	1/4	597.73	
1/2	1/2	1/2	1/2	1/2	1,752.27	1/2	1,587.16	1/2	1,421.68	1/2	1,256.20	1/2	1,090.72	1/2	925.24	1/2	759.76	1/2	594.28	
3/4	3/4	3/4	3/4	3/4	1,748.84	3/4	1,583.72	3/4	1,418.24	3/4	1,252.76	3/4	1,087.28	3/4	921.80	3/4	756.32	3/4	590.83	
5	5	5	5	5	1,745.40	5	1,580.27	5	1,414.79	5	1,249.31	5	1,083.83	5	918.35	5	752.87	5	587.39	
1/4	1/4	1/4	1/4	1/4	1,741.96	1/4	1,576.82	1/4	1,411.34	1/4	1,245.86	1/4	1,080.38	1/4	914.90	1/4	749.42	1/4	583.94	
1/2	1/2	1/2	1/2	1/2	1,738.52	1/2	1,573.37	1/2	1,407.89	1/2	1,242.41	1/2	1,076.93	1/2	911.45	1/2	745.97	1/2	580.49	
3/4	3/4	3/4	3/4	3/4	1,735.08	3/4	1,569.93	3/4	1,404.45	3/4	1,238.97	3/4	1,073.49	3/4	908.01	3/4	742.53	3/4	577.04	
6	6	6	6	6	1,731.64	6	1,566.48	6	1,401.00	6	1,235.52	6	1,070.04	6	904.56	6	739.08	6	573.60	
1/4	1/4	1,883.65	1/4	1,728.21	1/4	1,563.03	1/4	1,397.55	1/4	1,232.07	1/4	1,066.59	1/4	901.11	1/4	735.63	1/4	570.15		
1/2	1/2	1,881.69	1/2	1,724.77	1/2	1,559.58	1/2	1,394.10	1/2	1,228.62	1/2	1,063.14	1/2	897.66	1/2	732.18	1/2	566.70		
3/4	3/4	1,879.73	3/4	1,721.33	3/4	1,556.14	3/4	1,390.66	3/4	1,225.18	3/4	1,059.70	3/4	894.22	3/4	728.74	3/4	563.25		
7	7	1,877.27	7	1,717.89	7	1,552.69	7	1,387.21	7	1,221.73	7	1,056.25	7	890.77	7	725.29	7	559.80		
1/4	1/4	1,874.82	1/4	1,714.45	1/4	1,549.24	1/4	1,383.76	1/4	1,218.28	1/4	1,052.80	1/4	887.32	1/4	721.84	1/4	556.36		
1/2	1/2	1,872.37	1/2	1,711.01	1/2	1,545.79	1/2	1,380.31	1/2	1,214.83	1/2	1,049.35	1/2	883.87	1/2	718.39	1/2	552.91		
3/4	3/4	1,869.92	3/4	1,707.58	3/4	1,542.35	3/4	1,376.87	3/4	1,211.39	3/4	1,045.91	3/4	880.43	3/4	714.95	3/4	549.46		
8	8	1,866.97	8	1,704.14	8	1,538.90	8	1,373.42	8	1,207.94	8	1,042.46	8	876.98	8	711.50	8	546.05		
1/4	1/4	1,864.02	1/4	1,700.70	1/4	1,535.45	1/4	1,369.97	1/4	1,204.49	1/4	1,039.01	1/4	873.53	1/4	708.05	1/4	542.63		
1/2	1/2	1,861.08	1/2	1,697.26	1/2	1,532.00	1/2	1,366.52	1/2	1,201.04	1/2	1,035.56	1/2	870.08	1/2	704.60	1/2	539.21		
3/4	3/4	1,858.13	3/4	1,693.82	3/4	1,528.56	3/4	1,363.08	3/4	1,197.60	3/4	1,032.12	3/4	866.64	3/4	701.16	3/4	535.80		
9	9	1,854.73	9	1,690.38	9	1,525.11	9	1,359.63	9	1,194.15	9	1,028.67	9	863.19	9	697.71	9	532.38		
1/4	1/4	1,851.33	1/4	1,686.95	1/4	1,521.66	1/4	1,356.18	1/4	1,190.70	1/4	1,025.22	1/4	859.74	1/4	694.26	1/4	528.97		
1/2	1/2	1,847.93	1/2	1,683.51	1/2	1,518.21	1/2	1,352.73	1/2	1,187.25	1/2	1,021.77	1/2	856.29	1/2	690.81	1/2	525.55		
3/4	3/4	1,844.52	3/4	1,680.07	3/4	1,514.77	3/4	1,349.29	3/4	1,183.81	3/4	1,018.33	3/4	852.85	3/4	687.37	3/4	522.14		
10	10	1,841.12	10	1,676.63	10	1,511.32	10	1,345.84	10	1,180.36	10	1,014.88	10	849.40	10	683.92	10	518.72		
1/4	1/4	1,837.72	1/4	1,673.19	1/4	1,507.87	1/4	1,342.39	1/4	1,176.91	1/4	1,011.43	1/4	845.95	1/4	680.47	1/4	515.31		
1/2	1/2	1,834.32	1/2	1,669.75	1/2	1,504.42	1/2	1,338.94	1/2	1,173.46	1/2	1,007.98	1/2	842.50	1/2	677.02	1/2	511.89		
3/4	3/4	1,830.92	3/4	1,666.31	3/4	1,500.98	3/4	1,335.50	3/4	1,170.02	3/4	1,004.54	3/4	839.06	3/4	673.58	3/4	508.47		
11	11	1,827.52	11	1,662.88	11	1,497.53	11	1,332.05	11	1,166.57	11	1,001.09	11	835.61	11	670.13	11	505.08		
1/4	1/4	1,824.11	1/4	1,659.44	1/4	1,494.08	1/4	1,328.60	1/4	1,163.12	1/4	997.64	1/4	832.16	1/4	666.68	1/4	501.69		
1/2	1/2	1,820.71	1/2	1,656.00	1/2	1,490.63	1/2	1,325.15	1/2	1,159.67	1/2	994.19	1/2	828.71	1/2	663.23	1/2	498.29		
3/4	3/4	1,817.31	3/4	1,652.56	3/4	1,487.19	3/4	1,321.71	3/4	1,156.23	3/4	990.75	3/4	825.27	3/4	659.79	3/4	494.90		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 12'-6" OFF CENTERLINE AND 18'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "407"

5 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	491.51	0	327.52	0	161.93	0		0		0		0		0		0		0	
1/4	488.12	1/4	324.07	1/4	158.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	484.72	1/2	320.62	1/2	155.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	481.33	3/4	317.17	3/4	151.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	477.94	1	313.72	1	148.13	1		1		1		1		1		1		1	
1/4	474.54	1/4	310.27	1/4	144.68	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	471.15	1/2	306.82	1/2	141.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	467.76	3/4	303.37	3/4	137.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	464.36	2	299.92	2	134.33	2		2		2		2		2		2		2	
1/4	460.97	1/4	296.47	1/4	130.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	457.58	1/2	293.02	1/2	127.43	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	454.18	3/4	289.57	3/4	123.98	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	450.79	3	286.12	3	120.54	3		3		3		3		3		3		3	
1/4	447.40	1/4	282.67	1/4	117.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	444.00	1/2	279.22	1/2	113.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	440.61	3/4	275.77	3/4	110.20	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	437.22	4	272.32	4	106.76	4		4		4		4		4		4		4	
1/4	433.82	1/4	268.87	1/4	103.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	430.43	1/2	265.42	1/2	99.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	427.04	3/4	261.97	3/4	96.44	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	423.64	5	258.52	5	93.00	5		5		5		5		5		5		5	
1/4	420.25	1/4	255.07	1/4	89.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	416.86	1/2	251.62	1/2	86.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	413.46	3/4	248.17	3/4	82.70	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	410.04	6	244.72	6	79.27	6		6		6		6		6		6		6	
1/4	406.62	1/4	241.27	1/4	75.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	403.19	1/2	237.83	1/2	72.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	399.77	3/4	234.38	3/4	69.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	396.34	7	230.93	7	65.58	7		7		7		7		7		7		7	
1/4	392.92	1/4	227.48	1/4	62.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	389.49	1/2	224.03	1/2	58.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	386.07	3/4	220.58	3/4	55.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	382.64	8	217.13	8	51.96	8		8		8		8		8		8		8	
1/4	379.22	1/4	213.68	1/4	48.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	375.79	1/2	210.23	1/2	45.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	372.37	3/4	206.78	3/4	41.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	368.92	9	203.33	9	38.63	9		9		9		9		9		9		9	
1/4	365.47	1/4	199.88	1/4	35.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	362.02	1/2	196.43	1/2	32.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	358.57	3/4	192.98	3/4	29.16	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	355.12	10	189.53	10	26.57	10		10		10		10		10		10		10	
1/4	351.67	1/4	186.08	1/4	23.99	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	348.22	1/2	182.63	1/2	21.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	344.77	3/4	179.18	3/4	18.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	341.32	11	175.73	11	16.80	11		11		11		11		11		11		11	
1/4	337.87	1/4	172.28	1/4	14.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	334.42	1/2	168.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	330.97	3/4	165.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/15/2008 CL - SW
CALCULATED: 04/16/2008 CL
VERIFIED: 06/30/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "407"

6 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 13'-05 1/2"

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.		
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0			0			1,862.56	0		1,699.69	0		1,533.94	0		1,367.78	0		1,201.68	0		1,035.41	0		869.53	0		704.94		
1/4	1/4	1/4		1/4	1/4	1,859.62	1/4	1/4	1,696.25	1/4	1/4	1,530.48	1/4	1/4	1,364.32	1/4	1/4	1,198.21	1/4	1/4	1,031.94	1/4	1/4	866.11	1/4	1/4	701.48		
1/2	1/2	1/2		1/2	1/2	1,856.67	1/2	1/2	1,692.81	1/2	1/2	1,527.02	1/2	1/2	1,360.86	1/2	1/2	1,194.75	1/2	1/2	1,028.48	1/2	1/2	862.69	1/2	1/2	698.02		
3/4	3/4	3/4		3/4	3/4	1,853.30	3/4	3/4	1,689.36	3/4	3/4	1,523.56	3/4	3/4	1,357.40	3/4	3/4	1,191.29	3/4	3/4	1,025.01	3/4	3/4	859.27	3/4	3/4	694.56		
1			1			1,849.93	1		1,685.92	1		1,520.09	1		1,353.95	1		1,187.82	1		1,021.55	1		855.85	1		691.10		
1/4	1/4	1/4		1/4	1/4	1,846.55	1/4	1/4	1,682.47	1/4	1/4	1,516.63	1/4	1/4	1,350.49	1/4	1/4	1,184.36	1/4	1/4	1,018.09	1/4	1/4	852.44	1/4	1/4	687.64		
1/2	1/2	1/2		1/2	1/2	1,843.18	1/2	1/2	1,679.03	1/2	1/2	1,513.17	1/2	1/2	1,347.03	1/2	1/2	1,180.89	1/2	1/2	1,014.62	1/2	1/2	849.02	1/2	1/2	684.18		
3/4	3/4	3/4		3/4	3/4	1,839.81	3/4	3/4	1,675.58	3/4	3/4	1,509.71	3/4	3/4	1,343.57	3/4	3/4	1,177.43	3/4	3/4	1,011.16	3/4	3/4	845.60	3/4	3/4	680.71		
2			2			1,836.44	2		1,672.14	2		1,506.24	2		1,340.12	2		1,173.97	2		1,007.69	2		842.18	2		677.25		
1/4	1/4	1/4		1/4	1/4	1,833.07	1/4	1/4	1,668.69	1/4	1/4	1,502.78	1/4	1/4	1,336.66	1/4	1/4	1,170.50	1/4	1/4	1,004.23	1/4	1/4	838.76	1/4	1/4	673.79		
1/2	1/2	1/2		1/2	1/2	1,829.70	1/2	1/2	1,665.25	1/2	1/2	1,499.32	1/2	1/2	1,333.20	1/2	1/2	1,167.04	1/2	1/2	1,000.77	1/2	1/2	835.34	1/2	1/2	670.33		
3/4	3/4	3/4		3/4	3/4	1,826.33	3/4	3/4	1,661.81	3/4	3/4	1,495.86	3/4	3/4	1,329.75	3/4	3/4	1,163.57	3/4	3/4	997.30	3/4	3/4	831.93	3/4	3/4	666.87		
3			3			1,822.96	3		1,658.36	3		1,492.39	3		1,326.29	3		1,160.11	3		993.84	3		828.51	3		663.41		
1/4	1/4	1/4		1/4	1/4	1,819.59	1/4	1/4	1,654.92	1/4	1/4	1,488.93	1/4	1/4	1,322.83	1/4	1/4	1,156.65	1/4	1/4	990.37	1/4	1/4	825.09	1/4	1/4	659.95		
1/2	1/2	1/2		1/2	1/2	1,816.22	1/2	1/2	1,651.47	1/2	1/2	1,485.47	1/2	1/2	1,319.37	1/2	1/2	1,153.18	1/2	1/2	986.91	1/2	1/2	821.67	1/2	1/2	656.49		
3/4	3/4	3/4		3/4	3/4	1,812.85	3/4	3/4	1,648.03	3/4	3/4	1,482.01	3/4	3/4	1,315.92	3/4	3/4	1,149.72	3/4	3/4	983.45	3/4	3/4	818.25	3/4	3/4	653.03		
4			4			1,809.47	4		1,644.58	4		1,478.54	4		1,312.46	4		1,146.25	4		979.98	4		814.84	4		649.57		
1/4	1/4	1/4		1/4	1/4	1,806.10	1/4	1/4	1,641.14	1/4	1/4	1,475.08	1/4	1/4	1,309.00	1/4	1/4	1,142.79	1/4	1/4	976.52	1/4	1/4	811.42	1/4	1/4	646.11		
1/2	1/2	1/2		1/2	1/2	1,802.73	1/2	1/2	1,637.70	1/2	1/2	1,471.62	1/2	1/2	1,305.54	1/2	1/2	1,139.33	1/2	1/2	973.05	1/2	1/2	808.00	1/2	1/2	642.65		
3/4	3/4	3/4		3/4	3/4	1,799.36	3/4	3/4	1,634.25	3/4	3/4	1,468.16	3/4	3/4	1,302.09	3/4	3/4	1,135.86	3/4	3/4	969.59	3/4	3/4	804.58	3/4	3/4	639.19		
5			5			1,795.99	5		1,630.81	5		1,464.69	5		1,298.63	5		1,132.40	5		966.13	5		801.16	5		635.73		
1/4	1/4	1/4		1/4	1/4	1,792.62	1/4	1/4	1,627.36	1/4	1/4	1,461.23	1/4	1/4	1,295.17	1/4	1/4	1,128.93	1/4	1/4	962.66	1/4	1/4	797.74	1/4	1/4	632.26		
1/2	1/2	1/2		1/2	1/2	1,789.25	1/2	1/2	1,623.92	1/2	1/2	1,457.77	1/2	1/2	1,291.72	1/2	1/2	1,125.47	1/2	1/2	959.20	1/2	1/2	794.33	1/2	1/2	628.80		
3/4	3/4	3/4		3/4	3/4	1,785.80	3/4	3/4	1,620.47	3/4	3/4	1,454.31	3/4	3/4	1,288.26	3/4	3/4	1,122.01	3/4	3/4	955.73	3/4	3/4	790.91	3/4	3/4	625.34		
6			6			1,782.36	6		1,617.02	6		1,450.84	6		1,284.80	6		1,118.54	6		952.27	6		787.49	6		621.88		
1/4	1/4	1/4		1/4	1/4	1,778.92	1/4	1/4	1,613.57	1/4	1/4	1,447.38	1/4	1/4	1,281.34	1/4	1/4	1,115.08	1/4	1/4	948.81	1/4	1/4	784.07	1/4	1/4	618.42		
1/2	1/2	1/2		1/2	1/2	1,775.47	1/2	1/2	1,610.12	1/2	1/2	1,443.92	1/2	1/2	1,277.89	1/2	1/2	1,111.61	1/2	1/2	945.34	1/2	1/2	780.65	1/2	1/2	614.96		
3/4	3/4	3/4		3/4	3/4	1,772.03	3/4	3/4	1,606.66	3/4	3/4	1,440.46	3/4	3/4	1,274.42	3/4	3/4	1,108.15	3/4	3/4	941.88	3/4	3/4	777.24	3/4	3/4	611.50		
7			7		1,896.69	1,768.58	7		1,603.19	7		1,436.99	7		1,270.96	7		1,104.69	7		938.41	7		773.82	7		608.04		
1/4	1/4	1/4		1/4	1/4	1,896.23	1/4	1/4	1,599.73	1/4	1/4	1,433.53	1/4	1/4	1,267.49	1/4	1/4	1,101.22	1/4	1/4	934.95	1/4	1/4	770.40	1/4	1/4	604.58		
1/2	1/2	1/2		1/2	1/2	1,895.76	1/2	1/2	1,596.27	1/2	1/2	1,430.07	1/2	1/2	1,264.03	1/2	1/2	1,097.76	1/2	1/2	931.49	1/2	1/2	766.98	1/2	1/2	601.11		
3/4	3/4	3/4		3/4	3/4	1,894.80	3/4	3/4	1,592.81	3/4	3/4	1,426.61	3/4	3/4	1,260.57	3/4	3/4	1,094.29	3/4	3/4	928.02	3/4	3/4	763.56	3/4	3/4	597.65		
8			8		1,893.84	1,754.80	8		1,589.34	8		1,423.14	8		1,257.10	8		1,090.83	8		924.56	8		760.14	8		594.19		
1/4	1/4	1/4		1/4	1/4	1,892.88	1/4	1/4	1,585.88	1/4	1/4	1,419.68	1/4	1/4	1,253.64	1/4	1/4	1,087.37	1/4	1/4	921.09	1/4	1/4	756.73	1/4	1/4	590.73		
1/2	1/2	1/2		1/2	1/2	1,891.92	1/2	1/2	1,582.42	1/2	1/2	1,416.22	1/2	1/2	1,250.17	1/2	1/2	1,083.90	1/2	1/2	917.63	1/2	1/2	753.31	1/2	1/2	587.27		
3/4	3/4	3/4		3/4	3/4	1,890.46	3/4	3/4	1,578.96	3/4	3/4	1,412.76	3/4	3/4	1,246.71	3/4	3/4	1,080.44	3/4	3/4	914.19	3/4	3/4	749.87	3/4	3/4	583.81		
9			9		1,889.00	1,741.03	9		1,575.49	9		1,409.29	9		1,243.25	9		1,076.97	9		910.75	9		746.43	9		580.35		
1/4	1/4	1/4		1/4	1/4	1,887.54	1/4	1/4	1,572.03	1/4	1/4	1,405.83	1/4	1/4	1,239.78	1/4	1/4	1,073.51	1/4	1/4	907.31	1/4	1/4	742.99	1/4	1/4	576.88		
1/2	1/2	1/2		1/2	1/2	1,886.09	1/2	1/2	1,568.57	1/2	1/2	1,402.37	1/2	1/2	1,236.32	1/2	1/2	1,070.05	1/2	1/2	903.87	1/2	1/2	739.55	1/2	1/2	573.42		
3/4	3/4	3/4		3/4	3/4	1,884.13	3/4	3/4	1,565.11	3/4	3/4	1,398.91	3/4	3/4	1,232.85	3/4	3/4	1,066.58	3/4	3/4	900.44	3/4	3/4	736.09	3/4	3/4	569.96		
10			10		1,882.18	1,727.25	10		1,561.64	10		1,395.44	10		1,229.39	10		1,063.12	10		897.00	10		732.63	10		566.50		
1/4	1/4	1/4		1/4	1/4	1,880.22	1/4	1/4	1,558.18	1/4	1/4	1,391.98	1/4	1/4	1,225.93	1/4	1/4	1,059.65	1/4	1/4	893.56	1/4	1/4	729.16	1/4	1/4	563.04		
1/2	1/2	1/2		1/2	1/2	1,878.27	1/2	1/2	1,554.72	1/2	1/2	1,388.52	1/2	1/2	1,222.46	1/2	1/2	1,056.19	1/2	1/2	890.12	1/2	1/2	725.70	1/2	1/2	559.58		
3/4	3/4	3/4		3/4	3/4	1,875.82	3/4	3/4	1,551.26	3/4	3/4	1,385.06	3/4	3/4	1,219.00	3/4	3/4	1,052.73	3/4	3/4	886.68	3/4	3/4	722.24	3/4	3/4	556.24		
11			11		1,873.36	1,713.47	11		1,547.79	11		1,381.61	11		1,215.53	11		1,049.26	11		883.24	11		718.78	11		552.89		
1/4	1/4	1/4		1/4	1/4	1,870.91	1/4	1/4	1,544.33	1/4	1/4	1,378.15	1/4	1/4	1,212.07	1/4	1/4	1,045.80	1/4	1/4	879.80	1/4	1/4	715.32	1/4	1/4	549.55		
1/2	1/2	1/2		1/2	1/2	1,868.46	1/2	1/2	1,540.87	1/2	1/2	1,374.69	1/2	1/2	1,208.61	1/2	1/2	1,042.33	1/2	1/2	876.36	1/2	1/2	711.86	1/2	1/2	546.21		
3/4	3/4	3/4		3/4	3/4	1,865.51	3/4	3/4																					



BARGE "407"

6 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 13'-05 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	539.61	0	380.88	0	214.81	0	48.94	0		0		0		0		0		0	
1/4	536.32	1/4	377.53	1/4	211.35	1/4	45.52	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	533.02	1/2	374.17	1/2	207.88	1/2	42.10	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	529.72	3/4	370.71	3/4	204.42	3/4	38.92	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	526.42	1	367.24	1	200.95	1	35.74	1	1	1	1	1	1	1	1	1	1	1	1
1/4	523.12	1/4	363.78	1/4	197.49	1/4	32.56	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	519.82	1/2	360.32	1/2	194.02	1/2	29.38	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	516.52	3/4	356.85	3/4	190.56	3/4	26.77	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	513.23	2	353.39	2	187.10	2	24.17	2	2	2	2	2	2	2	2	2	2	2	2
1/4	509.93	1/4	349.92	1/4	183.63	1/4	21.56	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	506.63	1/2	346.46	1/2	180.17	1/2	18.95	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	503.33	3/4	342.99	3/4	176.70	3/4	16.92	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	500.03	3	339.53	3	173.24	3	14.90	3	3	3	3	3	3	3	3	3	3	3	3
1/4	496.73	1/4	336.07	1/4	169.77	1/4	12.87	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	493.44	1/2	332.60	1/2	166.31	1/2	10.84	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	490.14	3/4	329.14	3/4	162.85	3/4	9.39	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	486.84	4	325.67	4	159.38	4	7.94	4	4	4	4	4	4	4	4	4	4	4	4
1/4	483.54	1/4	322.21	1/4	155.92	1/4	6.49	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	480.24	1/2	318.74	1/2	152.45	1/2	5.05	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	476.94	3/4	315.28	3/4	148.99	3/4	4.18	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	473.64	5	311.81	5	145.52	5	3.31	5	5	5	5	5	5	5	5	5	5	5	5
1/4	470.35	1/4	308.35	1/4	142.06	1/4	2.44	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	467.05	1/2	304.89	1/2	138.59	1/2	1.57	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	463.75	3/4	301.42	3/4	135.13	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
6	460.45	6	297.96	6	131.67	6		6	6	6	6	6	6	6	6	6	6	6	6
1/4	457.15	1/4	294.49	1/4	128.20	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	453.85	1/2	291.03	1/2	124.74	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	450.55	3/4	287.56	3/4	121.28	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
7	447.26	7	284.10	7	117.82	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	443.96	1/4	280.63	1/4	114.36	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	440.66	1/2	277.17	1/2	110.90	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	437.36	3/4	273.71	3/4	107.44	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
8	434.06	8	270.24	8	103.99	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	430.76	1/4	266.78	1/4	100.53	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	427.47	1/2	263.31	1/2	97.07	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	424.17	3/4	259.85	3/4	93.62	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
9	420.87	9	256.38	9	90.18	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	417.57	1/4	252.92	1/4	86.73	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	414.27	1/2	249.46	1/2	83.28	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	410.94	3/4	245.99	3/4	79.84	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
10	407.61	10	242.53	10	76.40	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	404.28	1/4	239.06	1/4	72.96	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	400.95	1/2	235.60	1/2	69.52	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	397.61	3/4	232.13	3/4	66.08	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
11	394.27	11	228.67	11	62.64	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	390.93	1/4	225.20	1/4	59.21	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	387.58	1/2	221.74	1/2	55.77	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	384.23	3/4	218.28	3/4	52.35	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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/15/2008 CL - SW
CALCULATED: 04/16/2008 CL
VERIFIED: 06/30/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "407"

6 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 13'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	1,864.01	0	1,699.75	0	1,533.55	0	1,367.12	0	1,200.70	0	1,034.27	0	867.85	0	703.32
1/4	1/4	1/4	1/4	1/4	1,861.05	1/4	1,696.29	1/4	1,530.08	1/4	1,363.66	1/4	1,197.23	1/4	1,030.80	1/4	864.38	1/4	699.85
1/2	1/2	1/2	1/2	1/2	1,858.09	1/2	1,692.83	1/2	1,526.61	1/2	1,360.19	1/2	1,193.76	1/2	1,027.34	1/2	860.91	1/2	696.38
3/4	3/4	3/4	3/4	3/4	1,854.67	3/4	1,689.37	3/4	1,523.15	3/4	1,356.72	3/4	1,190.30	3/4	1,023.87	3/4	857.44	3/4	692.91
1	1	1	1	1	1,851.24	1	1,685.92	1	1,519.68	1	1,353.25	1	1,186.83	1	1,020.40	1	853.98	1	689.45
1/4	1/4	1/4	1/4	1/4	1,847.82	1/4	1,682.46	1/4	1,516.21	1/4	1,349.79	1/4	1,183.36	1/4	1,016.94	1/4	850.51	1/4	685.98
1/2	1/2	1/2	1/2	1/2	1,844.40	1/2	1,679.00	1/2	1,512.74	1/2	1,346.32	1/2	1,179.89	1/2	1,013.47	1/2	847.04	1/2	682.51
3/4	3/4	3/4	3/4	3/4	1,840.98	3/4	1,675.54	3/4	1,509.28	3/4	1,342.85	3/4	1,176.43	3/4	1,010.00	3/4	843.62	3/4	679.04
2	2	2	2	2	1,837.56	2	1,672.08	2	1,505.81	2	1,339.38	2	1,172.96	2	1,006.53	2	840.20	2	675.57
1/4	1/4	1/4	1/4	1/4	1,834.14	1/4	1,668.63	1/4	1,502.34	1/4	1,335.92	1/4	1,169.49	1/4	1,003.07	1/4	836.78	1/4	672.10
1/2	1/2	1/2	1/2	1/2	1,830.72	1/2	1,665.17	1/2	1,498.88	1/2	1,332.45	1/2	1,166.02	1/2	999.60	1/2	833.36	1/2	668.63
3/4	3/4	3/4	3/4	3/4	1,827.30	3/4	1,661.71	3/4	1,495.41	3/4	1,328.98	3/4	1,162.56	3/4	996.13	3/4	829.94	3/4	665.16
3	3	3	3	3	1,823.87	3	1,658.25	3	1,491.94	3	1,325.52	3	1,159.09	3	992.66	3	826.53	3	661.69
1/4	1/4	1/4	1/4	1/4	1,820.45	1/4	1,654.79	1/4	1,488.47	1/4	1,322.05	1/4	1,155.62	1/4	989.20	1/4	823.11	1/4	658.22
1/2	1/2	1/2	1/2	1/2	1,817.03	1/2	1,651.34	1/2	1,485.01	1/2	1,318.58	1/2	1,152.16	1/2	985.73	1/2	819.69	1/2	654.75
3/4	3/4	3/4	3/4	3/4	1,813.61	3/4	1,647.88	3/4	1,481.54	3/4	1,315.11	3/4	1,148.69	3/4	982.26	3/4	816.27	3/4	651.28
4	4	4	4	4	1,810.19	4	1,644.42	4	1,478.07	4	1,311.65	4	1,145.22	4	978.80	4	812.85	4	647.81
1/4	1/4	1/4	1/4	1/4	1,806.77	1/4	1,640.96	1/4	1,474.61	1/4	1,308.18	1/4	1,141.75	1/4	975.33	1/4	809.43	1/4	644.34
1/2	1/2	1/2	1/2	1/2	1,803.35	1/2	1,637.50	1/2	1,471.14	1/2	1,304.71	1/2	1,138.29	1/2	971.86	1/2	806.01	1/2	640.87
3/4	3/4	3/4	3/4	3/4	1,799.92	3/4	1,634.05	3/4	1,467.67	3/4	1,301.25	3/4	1,134.82	3/4	968.39	3/4	802.59	3/4	637.40
5	5	5	5	5	1,796.50	5	1,630.59	5	1,464.20	5	1,297.78	5	1,131.35	5	964.93	5	799.17	5	633.93
1/4	1/4	1/4	1/4	1/4	1,793.08	1/4	1,627.13	1/4	1,460.74	1/4	1,294.31	1/4	1,127.89	1/4	961.46	1/4	795.75	1/4	630.46
1/2	1/2	1/2	1/2	1/2	1,789.66	1/2	1,623.67	1/2	1,457.27	1/2	1,290.84	1/2	1,124.42	1/2	957.99	1/2	792.33	1/2	626.99
3/4	3/4	3/4	3/4	3/4	1,786.20	3/4	1,620.21	3/4	1,453.80	3/4	1,287.38	3/4	1,120.95	3/4	954.53	3/4	788.91	3/4	623.52
6	6	6	6	6	1,782.74	6	1,616.75	6	1,450.34	6	1,283.91	6	1,117.48	6	951.06	6	785.49	6	620.06
1/4	1/4	1/4	1/4	1/4	1,779.29	1/4	1,613.29	1/4	1,446.87	1/4	1,280.44	1/4	1,114.02	1/4	947.59	1/4	782.07	1/4	616.59
1/2	1/2	1/2	1/2	1/2	1,775.83	1/2	1,609.83	1/2	1,443.40	1/2	1,276.98	1/2	1,110.55	1/2	944.12	1/2	778.65	1/2	613.12
3/4	3/4	3/4	3/4	3/4	1,772.37	3/4	1,606.36	3/4	1,439.93	3/4	1,273.51	3/4	1,107.08	3/4	940.66	3/4	775.23	3/4	609.65
7	7	1,898.42	7	1,768.91	7	1,602.89	7	1,436.47	7	1,270.04	7	1,103.62	7	937.19	7	771.81	7	606.18	
1/4	1/4	1,897.94	1/4	1,765.45	1/4	1,599.42	1/4	1,433.00	1/4	1,266.57	1/4	1,100.15	1/4	933.72	1/4	768.39	1/4	602.71	
1/2	1/2	1,897.46	1/2	1,761.99	1/2	1,595.96	1/2	1,429.53	1/2	1,263.11	1/2	1,096.68	1/2	930.26	1/2	764.97	1/2	599.24	
3/4	3/4	1,896.49	3/4	1,758.54	3/4	1,592.49	3/4	1,426.06	3/4	1,259.64	3/4	1,093.21	3/4	926.79	3/4	761.55	3/4	595.77	
8	8	1,895.51	8	1,755.08	8	1,589.02	8	1,422.60	8	1,256.17	8	1,089.75	8	923.32	8	758.14	8	592.30	
1/4	1/4	1,894.54	1/4	1,751.62	1/4	1,585.56	1/4	1,419.13	1/4	1,252.70	1/4	1,086.28	1/4	919.85	1/4	754.72	1/4	588.83	
1/2	1/2	1,893.56	1/2	1,748.16	1/2	1,582.09	1/2	1,415.66	1/2	1,249.24	1/2	1,082.81	1/2	916.39	1/2	751.30	1/2	585.36	
3/4	3/4	1,892.09	3/4	1,744.70	3/4	1,578.62	3/4	1,412.20	3/4	1,245.77	3/4	1,079.34	3/4	912.92	3/4	747.88	3/4	581.89	
9	9	1,890.62	9	1,741.25	9	1,575.15	9	1,408.73	9	1,242.30	9	1,075.88	9	909.45	9	744.46	9	578.42	
1/4	1/4	1,889.14	1/4	1,737.79	1/4	1,571.69	1/4	1,405.26	1/4	1,238.84	1/4	1,072.41	1/4	905.98	1/4	741.04	1/4	574.95	
1/2	1/2	1,887.67	1/2	1,734.33	1/2	1,568.22	1/2	1,401.79	1/2	1,235.37	1/2	1,068.94	1/2	902.52	1/2	737.62	1/2	571.48	
3/4	3/4	1,885.70	3/4	1,730.87	3/4	1,564.75	3/4	1,398.33	3/4	1,231.90	3/4	1,065.48	3/4	899.05	3/4	734.20	3/4	568.01	
10	10	1,883.73	10	1,727.41	10	1,561.29	10	1,394.86	10	1,228.43	10	1,062.01	10	895.58	10	730.78	10	564.54	
1/4	1/4	1,881.76	1/4	1,723.96	1/4	1,557.82	1/4	1,391.39	1/4	1,224.97	1/4	1,058.54	1/4	892.12	1/4	727.36	1/4	561.07	
1/2	1/2	1,879.80	1/2	1,720.50	1/2	1,554.35	1/2	1,387.93	1/2	1,221.50	1/2	1,055.07	1/2	888.65	1/2	723.94	1/2	557.60	
3/4	3/4	1,877.33	3/4	1,717.04	3/4	1,550.88	3/4	1,384.46	3/4	1,218.03	3/4	1,051.61	3/4	885.18	3/4	720.52	3/4	554.25	
11	11	1,874.86	11	1,713.58	11	1,547.42	11	1,380.99	11	1,214.57	11	1,048.14	11	881.71	11	717.10	11	550.91	
1/4	1/4	1,872.40	1/4	1,710.12	1/4	1,543.95	1/4	1,377.52	1/4	1,211.10	1/4	1,044.67	1/4	878.25	1/4	713.68	1/4	547.56	
1/2	1/2	1,869.93	1/2	1,706.67	1/2	1,540.48	1/2	1,374.06	1/2	1,207.63	1/2	1,041.21	1/2	874.78	1/2	710.26	1/2	544.21	
3/4	3/4	1,866.97	3/4	1,703.21	3/4	1,537.02	3/4	1,370.59	3/4	1,204.16	3/4	1,037.74	3/4	871.31	3/4	706.79	3/4	540.91	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 2'-6" OFF CENTERLINE AND 32'-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 "407"

6 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 13'-05 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	537.61	0	381.27	0	215.22	0	48.90	0		0		0		0		0		0	
1/4	534.30	1/4	377.98	1/4	211.75	1/4	45.49	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	531.00	1/2	374.69	1/2	208.27	1/2	42.07	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	527.69	3/4	371.27	3/4	204.80	3/4	38.89	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	524.39	1	367.84	1	201.32	1	35.71	1	1	1	1	1	1	1	1	1	1	1	1
1/4	521.09	1/4	364.41	1/4	197.85	1/4	32.53	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	517.78	1/2	360.99	1/2	194.37	1/2	29.35	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	514.48	3/4	357.56	3/4	190.90	3/4	26.75	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	511.18	2	354.13	2	187.42	2	24.14	2	2	2	2	2	2	2	2	2	2	2	2
1/4	507.87	1/4	350.71	1/4	183.95	1/4	21.53	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	504.57	1/2	347.28	1/2	180.47	1/2	18.93	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	501.34	3/4	343.80	3/4	177.00	3/4	16.90	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	498.10	3	340.33	3	173.52	3	14.87	3	3	3	3	3	3	3	3	3	3	3	3
1/4	494.87	1/4	336.85	1/4	170.05	1/4	12.84	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	491.63	1/2	333.38	1/2	166.57	1/2	10.82	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	488.40	3/4	329.90	3/4	163.10	3/4	9.37	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	485.17	4	326.43	4	159.62	4	7.92	4	4	4	4	4	4	4	4	4	4	4	4
1/4	481.93	1/4	322.95	1/4	156.15	1/4	6.47	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	478.70	1/2	319.48	1/2	152.67	1/2	5.02	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	475.46	3/4	316.00	3/4	149.20	3/4	4.16	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	472.23	5	312.53	5	145.72	5	3.29	5	5	5	5	5	5	5	5	5	5	5	5
1/4	469.00	1/4	309.05	1/4	142.25	1/4	2.42	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	465.76	1/2	305.58	1/2	138.77	1/2	1.57	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	462.53	3/4	302.10	3/4	135.30	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
6	459.29	6	298.63	6	131.82	6		6	6	6	6	6	6	6	6	6	6	6	6
1/4	456.06	1/4	295.15	1/4	128.35	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	452.83	1/2	291.68	1/2	124.87	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	449.59	3/4	288.20	3/4	121.40	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
7	446.36	7	284.73	7	117.93	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	443.12	1/4	281.25	1/4	114.46	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	439.89	1/2	277.78	1/2	110.99	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	436.66	3/4	274.30	3/4	107.52	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
8	433.42	8	270.83	8	104.05	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	430.19	1/4	267.35	1/4	100.59	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	426.95	1/2	263.88	1/2	97.12	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	423.72	3/4	260.40	3/4	93.66	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
9	420.49	9	256.93	9	90.20	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	417.25	1/4	253.45	1/4	86.74	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	414.02	1/2	249.97	1/2	83.28	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	410.75	3/4	246.50	3/4	79.83	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
10	407.49	10	243.02	10	76.38	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	404.22	1/4	239.55	1/4	72.93	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	400.95	1/2	236.07	1/2	69.48	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	397.68	3/4	232.60	3/4	66.04	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
11	394.40	11	229.12	11	62.61	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	391.12	1/4	225.65	1/4	59.17	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	387.85	1/2	222.17	1/2	55.73	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	384.56	3/4	218.70	3/4	52.32	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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/15/2008 CL - SW
CALCULATED: 04/16/2008 CL
VERIFIED: 06/30/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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