



BARGE "EMS 392"

INNAGE TRIM TABLE

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

(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 00-1/2"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/2'

LENGTH BETWEEN DRAFT MARKS: 236'-00"

May 5, 2015

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 392"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,165.34	0	3,495.58	0	3,813.83	0	4,111.58	0		0		0		0		0		0	
1/4	3,172.23	1/4	3,502.40	1/4	3,820.24	1/4	4,117.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,179.11	1/2	3,509.21	1/2	3,826.65	1/2	4,123.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,185.99	3/4	3,516.03	3/4	3,833.06	3/4	4,129.45	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,192.87	1	3,522.85	1	3,839.46	1	4,135.41	1		1		1		1		1		1	
1/4	3,199.76	1/4	3,529.64	1/4	3,845.84	1/4	4,141.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,206.64	1/2	3,536.42	1/2	3,852.21	1/2	4,147.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,213.52	3/4	3,543.20	3/4	3,858.59	3/4	4,153.18	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,220.40	2	3,549.99	2	3,864.96	2	4,159.10	2		2		2		2		2		2	
1/4	3,227.29	1/4	3,556.74	1/4	3,871.30	1/4	4,164.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,234.17	1/2	3,563.49	1/2	3,877.64	1/2	4,170.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,241.05	3/4	3,570.24	3/4	3,883.98	3/4	4,176.77	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,247.94	3	3,576.99	3	3,890.32	3	4,182.66	3		3		3		3		3		3	
1/4	3,254.82	1/4	3,583.71	1/4	3,896.62	1/4	4,188.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,261.70	1/2	3,590.42	1/2	3,902.93	1/2	4,194.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,268.58	3/4	3,597.14	3/4	3,909.23	3/4	4,200.22	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,275.47	4	3,603.85	4	3,915.54	4	4,206.07	4		4		4		4		4		4	
1/4	3,282.35	1/4	3,610.53	1/4	3,921.81	1/4	4,212.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,289.23	1/2	3,617.22	1/2	3,928.08	1/2	4,218.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,296.11	3/4	3,623.90	3/4	3,934.35	3/4	4,225.09	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,303.00	5	3,630.58	5	3,940.62	5	4,231.43	5		5		5		5		5		5	
1/4	3,309.88	1/4	3,637.23	1/4	3,946.86	1/4	4,238.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,316.76	1/2	3,643.87	1/2	3,953.09	1/2	4,245.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,323.65	3/4	3,650.52	3/4	3,959.33	3/4	4,251.96	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,330.53	6	3,657.17	6	3,965.57	6	4,258.81	6		6		6		6		6		6	
1/4	3,337.41	1/4	3,663.78	1/4	3,971.77	1/4	4,265.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,344.29	1/2	3,670.40	1/2	3,977.97	1/2	4,272.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,351.18	3/4	3,677.01	3/4	3,984.18	3/4	4,279.33	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,358.06	7	3,683.62	7	3,990.38	7	4,286.18	7		7		7		7		7		7	
1/4	3,364.94	1/4	3,690.20	1/4	3,996.51	1/4	4,292.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,371.82	1/2	3,696.78	1/2	4,002.63	1/2	4,299.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,378.71	3/4	3,703.36	3/4	4,008.76	3/4	4,306.49	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,385.59	8	3,709.94	8	4,014.89	8	4,313.26	8		8		8		8		8		8	
1/4	3,392.47	1/4	3,716.48	1/4	4,020.99	1/4	4,319.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,399.35	1/2	3,723.03	1/2	4,027.08	1/2	4,325.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,406.24	3/4	3,729.57	3/4	4,033.17	3/4	4,331.68	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,413.12	9	3,736.12	9	4,039.27	9	4,337.83	9		9		9		9		9		9	
1/4	3,420.00	1/4	3,742.63	1/4	4,045.33	1/4	4,342.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,426.89	1/2	3,749.14	1/2	4,051.39	1/2	4,347.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,433.77	3/4	3,755.65	3/4	4,057.45	3/4	4,352.50	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,440.65	10	3,762.16	10	4,063.51	10		10		10		10		10		10		10	
1/4	3,447.53	1/4	3,768.64	1/4	4,069.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,454.41	1/2	3,775.11	1/2	4,075.56	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,461.29	3/4	3,781.59	3/4	4,081.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,468.17	11	3,788.06	11	4,087.61	11		11		11		11		11		11		11	
1/4	3,475.02	1/4	3,794.51	1/4	4,093.60	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,481.87	1/2	3,800.95	1/2	4,099.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,488.72	3/4	3,807.39	3/4	4,105.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2015 SW
CALCULATED: 05/05/2015 CL
PRINTED: 05/05/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "EMS 392"

**1 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,174.72	0	3,505.78	0	3,824.85	0	4,123.34	0		0		0		0		0		0	
1/4	3,181.62	1/4	3,512.62	1/4	3,831.27	1/4	4,129.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,188.52	1/2	3,519.46	1/2	3,837.69	1/2	4,135.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,195.42	3/4	3,526.29	3/4	3,844.12	3/4	4,141.26	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,202.32	1	3,533.13	1	3,850.54	1	4,147.23	1		1		1		1		1		1	
1/4	3,209.22	1/4	3,539.93	1/4	3,856.93	1/4	4,153.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,216.12	1/2	3,546.73	1/2	3,863.32	1/2	4,159.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,223.02	3/4	3,553.53	3/4	3,869.71	3/4	4,165.04	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,229.92	2	3,560.33	2	3,876.10	2	4,170.98	2		2		2		2		2		2	
1/4	3,236.82	1/4	3,567.10	1/4	3,882.46	1/4	4,176.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,243.72	1/2	3,573.87	1/2	3,888.81	1/2	4,182.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,250.62	3/4	3,580.64	3/4	3,895.17	3/4	4,188.69	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,257.52	3	3,587.40	3	3,901.52	3	4,194.60	3		3		3		3		3		3	
1/4	3,264.42	1/4	3,594.14	1/4	3,907.84	1/4	4,200.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,271.32	1/2	3,600.87	1/2	3,914.16	1/2	4,206.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,278.22	3/4	3,607.60	3/4	3,920.49	3/4	4,212.20	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,285.12	4	3,614.33	4	3,926.81	4	4,218.07	4		4		4		4		4		4	
1/4	3,292.02	1/4	3,621.03	1/4	3,933.09	1/4	4,224.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,298.92	1/2	3,627.73	1/2	3,939.38	1/2	4,230.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,305.82	3/4	3,634.43	3/4	3,945.67	3/4	4,237.14	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,312.72	5	3,641.13	5	3,951.95	5	4,243.50	5		5		5		5		5		5	
1/4	3,319.63	1/4	3,647.79	1/4	3,958.21	1/4	4,250.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,326.53	1/2	3,654.46	1/2	3,964.46	1/2	4,257.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,333.43	3/4	3,661.12	3/4	3,970.71	3/4	4,264.08	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,340.33	6	3,667.79	6	3,976.96	6	4,270.94	6		6		6		6		6		6	
1/4	3,347.23	1/4	3,674.42	1/4	3,983.18	1/4	4,277.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,354.13	1/2	3,681.05	1/2	3,989.40	1/2	4,284.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,361.03	3/4	3,687.68	3/4	3,995.62	3/4	4,291.52	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,367.93	7	3,694.31	7	4,001.84	7	4,298.38	7		7		7		7		7		7	
1/4	3,374.83	1/4	3,700.90	1/4	4,007.98	1/4	4,305.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,381.73	1/2	3,707.50	1/2	4,014.12	1/2	4,311.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,388.63	3/4	3,714.09	3/4	4,020.27	3/4	4,318.74	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,395.53	8	3,720.69	8	4,026.41	8	4,325.53	8		8		8		8		8		8	
1/4	3,402.43	1/4	3,727.25	1/4	4,032.52	1/4	4,331.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,409.33	1/2	3,733.81	1/2	4,038.63	1/2	4,337.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,416.23	3/4	3,740.37	3/4	4,044.74	3/4	4,344.01	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,423.13	9	3,746.93	9	4,050.85	9	4,350.17	9		9		9		9		9		9	
1/4	3,430.03	1/4	3,753.46	1/4	4,056.92	1/4	4,355.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,436.93	1/2	3,759.99	1/2	4,063.00	1/2	4,359.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,443.83	3/4	3,766.52	3/4	4,069.08	3/4	4,364.88	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,450.73	10	3,773.04	10	4,075.15	10		10		10		10		10		10		10	
1/4	3,457.62	1/4	3,779.53	1/4	4,081.19	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,464.51	1/2	3,786.03	1/2	4,087.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,471.41	3/4	3,792.52	3/4	4,093.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,478.30	11	3,799.01	11	4,099.31	11		11		11		11		11		11		11	
1/4	3,485.17	1/4	3,805.47	1/4	4,105.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,492.04	1/2	3,811.93	1/2	4,111.33	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,498.91	3/4	3,818.39	3/4	4,117.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2015 SW
CALCULATED: 05/05/2015 CL
PRINTED: 05/05/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

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



BARGE "EMS 392"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,873.21	0	4,260.99	0	4,634.71	0	4,984.33	0		0		0		0		0		0	
1/4	3,881.29	1/4	4,269.00	1/4	4,642.24	1/4	4,991.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,889.37	1/2	4,277.01	1/2	4,649.76	1/2	4,998.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,897.46	3/4	4,285.01	3/4	4,657.29	3/4	5,005.31	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,905.54	1	4,293.02	1	4,664.81	1	5,012.30	1		1		1		1		1		1	
1/4	3,913.62	1/4	4,300.99	1/4	4,672.29	1/4	5,019.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,921.70	1/2	4,308.95	1/2	4,679.78	1/2	5,026.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,929.78	3/4	4,316.92	3/4	4,687.26	3/4	5,033.17	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,937.87	2	4,324.89	2	4,694.75	2	5,040.12	2		2		2		2		2		2	
1/4	3,945.95	1/4	4,332.81	1/4	4,702.19	1/4	5,047.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,954.03	1/2	4,340.74	1/2	4,709.64	1/2	5,053.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,962.11	3/4	4,348.67	3/4	4,717.08	3/4	5,060.86	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,970.20	3	4,356.59	3	4,724.52	3	5,067.78	3		3		3		3		3		3	
1/4	3,978.28	1/4	4,364.48	1/4	4,731.93	1/4	5,074.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,986.36	1/2	4,372.37	1/2	4,739.33	1/2	5,081.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,994.44	3/4	4,380.25	3/4	4,746.74	3/4	5,088.40	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,002.53	4	4,388.14	4	4,754.14	4	5,095.27	4		4		4		4		4		4	
1/4	4,010.61	1/4	4,395.98	1/4	4,761.50	1/4	5,102.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,018.69	1/2	4,403.83	1/2	4,768.87	1/2	5,110.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,026.77	3/4	4,411.68	3/4	4,776.23	3/4	5,117.61	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,034.86	5	4,419.52	5	4,783.59	5	5,125.05	5		5		5		5		5		5	
1/4	4,042.94	1/4	4,427.33	1/4	4,790.92	1/4	5,133.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,051.02	1/2	4,435.14	1/2	4,798.24	1/2	5,141.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,059.10	3/4	4,442.94	3/4	4,805.56	3/4	5,149.16	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,067.19	6	4,450.75	6	4,812.89	6	5,157.19	6		6		6		6		6		6	
1/4	4,075.27	1/4	4,458.51	1/4	4,820.17	1/4	5,165.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,083.35	1/2	4,466.28	1/2	4,827.45	1/2	5,173.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,091.43	3/4	4,474.04	3/4	4,834.74	3/4	5,181.30	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,099.52	7	4,481.81	7	4,842.02	7	5,189.33	7		7		7		7		7		7	
1/4	4,107.60	1/4	4,489.54	1/4	4,849.22	1/4	5,197.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,115.68	1/2	4,497.26	1/2	4,856.41	1/2	5,205.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,123.76	3/4	4,504.99	3/4	4,863.61	3/4	5,213.18	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,131.84	8	4,512.71	8	4,870.80	8	5,221.13	8		8		8		8		8		8	
1/4	4,139.93	1/4	4,520.40	1/4	4,877.96	1/4	5,228.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,148.01	1/2	4,528.08	1/2	4,885.11	1/2	5,235.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,156.09	3/4	4,535.77	3/4	4,892.27	3/4	5,242.78	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,164.17	9	4,543.45	9	4,899.42	9	5,250.00	9		9		9		9		9		9	
1/4	4,172.26	1/4	4,551.10	1/4	4,906.54	1/4	5,255.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,180.34	1/2	4,558.74	1/2	4,913.66	1/2	5,261.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,188.42	3/4	4,566.39	3/4	4,920.77	3/4	5,267.23	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,196.50	10	4,574.03	10	4,927.89	10		10		10		10		10		10		10	
1/4	4,204.58	1/4	4,581.64	1/4	4,934.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,212.65	1/2	4,589.24	1/2	4,942.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,220.73	3/4	4,596.85	3/4	4,949.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,228.80	11	4,604.45	11	4,956.19	11		11		11		11		11		11		11	
1/4	4,236.85	1/4	4,612.02	1/4	4,963.22	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,244.90	1/2	4,619.58	1/2	4,970.26	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,252.94	3/4	4,627.15	3/4	4,977.29	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2015 SW
CALCULATED: 05/05/2015 CL
PRINTED: 05/05/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

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



BARGE "EMS 392"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	18.86	0	396.57	0	784.38	0	1,172.48	0	1,560.63	0	1,948.78	0	2,336.93	0	2,725.07	0	3,113.22	0	3,501.36
1/4	24.64	1/4	404.66	1/4	792.45	1/4	1,180.57	1/4	1,568.72	1/4	1,956.86	1/4	2,345.01	1/4	2,733.16	1/4	3,121.31	1/4	3,509.44
1/2	30.41	1/2	412.75	1/2	800.53	1/2	1,188.66	1/2	1,576.80	1/2	1,964.95	1/2	2,353.10	1/2	2,741.25	1/2	3,129.39	1/2	3,517.53
3/4	36.18	3/4	420.83	3/4	808.61	3/4	1,196.74	3/4	1,584.89	3/4	1,973.04	3/4	2,361.19	3/4	2,749.33	3/4	3,137.48	3/4	3,525.61
1	41.96	1	428.92	1	816.68	1	1,204.83	1	1,592.98	1	1,981.12	1	2,369.27	1	2,757.42	1	3,145.57	1	3,533.70
1/4	49.76	1/4	437.00	1/4	824.77	1/4	1,212.92	1/4	1,601.06	1/4	1,989.21	1/4	2,377.36	1/4	2,765.51	1/4	3,153.65	1/4	3,541.78
1/2	57.55	1/2	445.09	1/2	832.86	1/2	1,221.00	1/2	1,609.15	1/2	1,997.30	1/2	2,385.44	1/2	2,773.59	1/2	3,161.74	1/2	3,549.87
3/4	65.35	3/4	453.17	3/4	840.94	3/4	1,229.09	3/4	1,617.24	3/4	2,005.38	3/4	2,393.53	3/4	2,781.68	3/4	3,169.83	3/4	3,557.95
2	73.15	2	461.26	2	849.03	2	1,237.18	2	1,625.32	2	2,013.47	2	2,401.62	2	2,789.76	2	3,177.91	2	3,566.04
1/4	81.23	1/4	469.35	1/4	857.11	1/4	1,245.26	1/4	1,633.41	1/4	2,021.56	1/4	2,409.70	1/4	2,797.85	1/4	3,186.00	1/4	3,574.12
1/2	89.32	1/2	477.43	1/2	865.20	1/2	1,253.35	1/2	1,641.50	1/2	2,029.64	1/2	2,417.79	1/2	2,805.94	1/2	3,194.08	1/2	3,582.21
3/4	97.40	3/4	485.52	3/4	873.29	3/4	1,261.43	3/4	1,649.58	3/4	2,037.73	3/4	2,425.88	3/4	2,814.02	3/4	3,202.17	3/4	3,590.29
3	105.49	3	493.60	3	881.37	3	1,269.52	3	1,657.67	3	2,045.82	3	2,433.96	3	2,822.11	3	3,210.26	3	3,598.38
1/4	113.58	1/4	501.69	1/4	889.46	1/4	1,277.61	1/4	1,665.75	1/4	2,053.90	1/4	2,442.05	1/4	2,830.20	1/4	3,218.34	1/4	3,606.46
1/2	121.66	1/2	509.77	1/2	897.55	1/2	1,285.69	1/2	1,673.84	1/2	2,061.99	1/2	2,450.14	1/2	2,838.28	1/2	3,226.43	1/2	3,614.55
3/4	129.75	3/4	517.86	3/4	905.63	3/4	1,293.78	3/4	1,681.93	3/4	2,070.07	3/4	2,458.22	3/4	2,846.37	3/4	3,234.52	3/4	3,622.63
4	137.83	4	525.95	4	913.72	4	1,301.87	4	1,690.01	4	2,078.16	4	2,466.31	4	2,854.46	4	3,242.60	4	3,630.72
1/4	145.92	1/4	534.03	1/4	921.81	1/4	1,309.95	1/4	1,698.10	1/4	2,086.25	1/4	2,474.39	1/4	2,862.54	1/4	3,250.69	1/4	3,638.80
1/2	154.00	1/2	542.12	1/2	929.89	1/2	1,318.04	1/2	1,706.19	1/2	2,094.33	1/2	2,482.48	1/2	2,870.63	1/2	3,258.78	1/2	3,646.89
3/4	162.09	3/4	550.20	3/4	937.98	3/4	1,326.13	3/4	1,714.27	3/4	2,102.42	3/4	2,490.57	3/4	2,878.71	3/4	3,266.86	3/4	3,654.97
5	170.18	5	558.29	5	946.07	5	1,334.21	5	1,722.36	5	2,110.51	5	2,498.65	5	2,886.80	5	3,274.95	5	3,663.06
1/4	178.26	1/4	566.36	1/4	954.15	1/4	1,342.30	1/4	1,730.45	1/4	2,118.59	1/4	2,506.74	1/4	2,894.89	1/4	3,283.03	1/4	3,671.14
1/2	186.35	1/2	574.44	1/2	962.24	1/2	1,350.39	1/2	1,738.53	1/2	2,126.68	1/2	2,514.83	1/2	2,902.97	1/2	3,291.12	1/2	3,679.23
3/4	194.43	3/4	582.52	3/4	970.32	3/4	1,358.47	3/4	1,746.62	3/4	2,134.77	3/4	2,522.91	3/4	2,911.06	3/4	3,299.21	3/4	3,687.31
6	202.52	6	590.59	6	978.41	6	1,366.56	6	1,754.70	6	2,142.85	6	2,531.00	6	2,919.15	6	3,307.29	6	3,695.40
1/4	210.60	1/4	598.67	1/4	986.50	1/4	1,374.64	1/4	1,762.79	1/4	2,150.94	1/4	2,539.09	1/4	2,927.23	1/4	3,315.38	1/4	3,703.48
1/2	218.69	1/2	606.74	1/2	994.58	1/2	1,382.73	1/2	1,770.88	1/2	2,159.02	1/2	2,547.17	1/2	2,935.32	1/2	3,323.47	1/2	3,711.57
3/4	226.77	3/4	614.82	3/4	1,002.67	3/4	1,390.82	3/4	1,778.96	3/4	2,167.11	3/4	2,555.26	3/4	2,943.41	3/4	3,331.55	3/4	3,719.65
7	234.86	7	622.90	7	1,010.76	7	1,398.90	7	1,787.05	7	2,175.20	7	2,563.35	7	2,951.49	7	3,339.64	7	3,727.74
1/4	242.95	1/4	630.97	1/4	1,018.84	1/4	1,406.99	1/4	1,795.14	1/4	2,183.28	1/4	2,571.43	1/4	2,959.58	1/4	3,347.73	1/4	3,735.82
1/2	251.03	1/2	639.05	1/2	1,026.93	1/2	1,415.08	1/2	1,803.22	1/2	2,191.37	1/2	2,579.52	1/2	2,967.67	1/2	3,355.81	1/2	3,743.91
3/4	259.12	3/4	647.12	3/4	1,035.02	3/4	1,423.16	3/4	1,811.31	3/4	2,199.46	3/4	2,587.60	3/4	2,975.75	3/4	3,363.90	3/4	3,752.00
8	267.20	8	655.20	8	1,043.10	8	1,431.25	8	1,819.40	8	2,207.54	8	2,595.69	8	2,983.84	8	3,371.99	8	3,760.08
1/4	275.29	1/4	663.27	1/4	1,051.19	1/4	1,439.34	1/4	1,827.48	1/4	2,215.63	1/4	2,603.78	1/4	2,991.92	1/4	3,380.07	1/4	3,768.17
1/2	283.37	1/2	671.34	1/2	1,059.27	1/2	1,447.42	1/2	1,835.57	1/2	2,223.72	1/2	2,611.86	1/2	3,000.01	1/2	3,388.16	1/2	3,776.25
3/4	291.46	3/4	679.41	3/4	1,067.36	3/4	1,455.51	3/4	1,843.66	3/4	2,231.80	3/4	2,619.95	3/4	3,008.10	3/4	3,396.24	3/4	3,784.34
9	299.55	9	687.49	9	1,075.45	9	1,463.59	9	1,851.74	9	2,239.89	9	2,628.04	9	3,016.18	9	3,404.33	9	3,792.42
1/4	307.63	1/4	695.56	1/4	1,083.53	1/4	1,471.68	1/4	1,859.83	1/4	2,247.98	1/4	2,636.12	1/4	3,024.27	1/4	3,412.42	1/4	3,800.51
1/2	315.72	1/2	703.63	1/2	1,091.62	1/2	1,479.77	1/2	1,867.91	1/2	2,256.06	1/2	2,644.21	1/2	3,032.36	1/2	3,420.50	1/2	3,808.59
3/4	323.80	3/4	711.70	3/4	1,099.71	3/4	1,487.85	3/4	1,876.00	3/4	2,264.15	3/4	2,652.30	3/4	3,040.44	3/4	3,428.59	3/4	3,816.68
10	331.89	10	719.77	10	1,107.79	10	1,495.94	10	1,884.09	10	2,272.23	10	2,660.38	10	3,048.53	10	3,436.68	10	3,824.76
1/4	339.97	1/4	727.85	1/4	1,115.88	1/4	1,504.03	1/4	1,892.17	1/4	2,280.32	1/4	2,668.47	1/4	3,056.62	1/4	3,444.76	1/4	3,832.85
1/2	348.06	1/2	735.92	1/2	1,123.97	1/2	1,512.11	1/2	1,900.26	1/2	2,288.41	1/2	2,676.55	1/2	3,064.70	1/2	3,452.85	1/2	3,840.93
3/4	356.15	3/4	744.00	3/4	1,132.05	3/4	1,520.20	3/4	1,908.35	3/4	2,296.49	3/4	2,684.64	3/4	3,072.79	3/4	3,460.93	3/4	3,849.02
11	364.23	11	752.08	11	1,140.14	11	1,528.29	11	1,916.43	11	2,304.58	11	2,692.73	11	3,080.87	11	3,469.02	11	3,857.10
1/4	372.32	1/4	760.15	1/4	1,148.23	1/4	1,536.37	1/4	1,924.52	1/4	2,312.67	1/4	2,700.81	1/4	3,088.96	1/4	3,477.10	1/4	3,865.19
1/2	380.40	1/2	768.23	1/2	1,156.31	1/2	1,544.46	1/2	1,932.61	1/2	2,320.75	1/2	2,708.90	1/2	3,097.05	1/2	3,485.19	1/2	3,873.27
3/4	388.49	3/4	776.30	3/4	1,164.40	3/4	1,552.55	3/4	1,940.69	3/4	2,328.84	3/4	2,716.99	3/4	3,105.13	3/4	3,493.27	3/4	3,881.36

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 INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "EMS 392"

**2 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,889.44	0	4,277.35	0	4,651.20	0	5,000.94	0		0		0		0		0		0	
1/4	3,897.53	1/4	4,285.36	1/4	4,658.73	1/4	5,007.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,905.61	1/2	4,293.37	1/2	4,666.26	1/2	5,014.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,913.70	3/4	4,301.38	3/4	4,673.78	3/4	5,021.93	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,921.78	1	4,309.39	1	4,681.31	1	5,028.92	1		1		1		1		1		1	
1/4	3,929.87	1/4	4,317.36	1/4	4,688.80	1/4	5,035.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,937.95	1/2	4,325.33	1/2	4,696.29	1/2	5,042.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,946.04	3/4	4,333.30	3/4	4,703.77	3/4	5,049.80	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,954.12	2	4,341.27	2	4,711.26	2	5,056.75	2		2		2		2		2		2	
1/4	3,962.21	1/4	4,349.20	1/4	4,718.71	1/4	5,063.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,970.29	1/2	4,357.13	1/2	4,726.15	1/2	5,070.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,978.38	3/4	4,365.06	3/4	4,733.60	3/4	5,077.50	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,986.46	3	4,372.99	3	4,741.05	3	5,084.42	3		3		3		3		3		3	
1/4	3,994.55	1/4	4,380.88	1/4	4,748.45	1/4	5,091.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,002.63	1/2	4,388.77	1/2	4,755.86	1/2	5,098.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,010.72	3/4	4,396.66	3/4	4,763.26	3/4	5,105.05	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,018.80	4	4,404.55	4	4,770.67	4	5,111.92	4		4		4		4		4		4	
1/4	4,026.89	1/4	4,412.39	1/4	4,778.04	1/4	5,119.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,034.97	1/2	4,420.24	1/2	4,785.40	1/2	5,126.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,043.06	3/4	4,428.09	3/4	4,792.77	3/4	5,134.27	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,051.14	5	4,435.94	5	4,800.14	5	5,141.71	5		5		5		5		5		5	
1/4	4,059.23	1/4	4,443.75	1/4	4,807.46	1/4	5,149.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,067.31	1/2	4,451.56	1/2	4,814.79	1/2	5,157.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,075.40	3/4	4,459.37	3/4	4,822.11	3/4	5,165.83	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,083.48	6	4,467.18	6	4,829.44	6	5,173.86	6		6		6		6		6		6	
1/4	4,091.57	1/4	4,474.94	1/4	4,836.72	1/4	5,181.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,099.65	1/2	4,482.71	1/2	4,844.01	1/2	5,189.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,107.74	3/4	4,490.48	3/4	4,851.30	3/4	5,197.98	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,115.82	7	4,498.25	7	4,858.58	7	5,206.02	7		7		7		7		7		7	
1/4	4,123.91	1/4	4,505.98	1/4	4,865.78	1/4	5,213.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,131.99	1/2	4,513.71	1/2	4,872.98	1/2	5,221.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,140.08	3/4	4,521.43	3/4	4,880.18	3/4	5,229.87	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,148.17	8	4,529.16	8	4,887.37	8	5,237.83	8		8		8		8		8		8	
1/4	4,156.25	1/4	4,536.85	1/4	4,894.53	1/4	5,245.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,164.34	1/2	4,544.54	1/2	4,901.69	1/2	5,252.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,172.42	3/4	4,552.23	3/4	4,908.85	3/4	5,259.48	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,180.51	9	4,559.91	9	4,916.01	9	5,266.70	9		9		9		9		9		9	
1/4	4,188.59	1/4	4,567.56	1/4	4,923.12	1/4	5,272.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,196.68	1/2	4,575.21	1/2	4,930.24	1/2	5,278.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,204.76	3/4	4,582.86	3/4	4,937.36	3/4	5,283.94	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,212.85	10	4,590.50	10	4,944.48	10		10		10		10		10		10		10	
1/4	4,220.92	1/4	4,598.11	1/4	4,951.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,229.00	1/2	4,605.72	1/2	4,958.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,237.08	3/4	4,613.33	3/4	4,965.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,245.15	11	4,620.93	11	4,972.79	11		11		11		11		11		11		11	
1/4	4,253.20	1/4	4,628.50	1/4	4,979.82	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,261.25	1/2	4,636.07	1/2	4,986.86	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,269.30	3/4	4,643.64	3/4	4,993.90	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2015 SW
CALCULATED: 05/05/2015 CL
PRINTED: 05/05/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

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



BARGE "EMS 392"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,559.59	0	3,853.42	0	4,134.18	0	4,392.68	0		0		0		0		0		0	
1/4	3,565.72	1/4	3,859.47	1/4	4,139.78	1/4	4,397.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,571.84	1/2	3,865.53	1/2	4,145.39	1/2	4,402.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,577.97	3/4	3,871.58	3/4	4,151.00	3/4	4,408.05	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,584.09	1	3,877.64	1	4,156.60	1	4,413.17	1		1		1		1		1		1	
1/4	3,590.21	1/4	3,883.66	1/4	4,162.17	1/4	4,418.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,596.34	1/2	3,889.67	1/2	4,167.74	1/2	4,423.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,602.46	3/4	3,895.69	3/4	4,173.31	3/4	4,428.42	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,608.59	2	3,901.71	2	4,178.88	2	4,433.51	2		2		2		2		2		2	
1/4	3,614.71	1/4	3,907.69	1/4	4,184.41	1/4	4,438.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,620.84	1/2	3,913.67	1/2	4,189.94	1/2	4,443.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,626.96	3/4	3,919.65	3/4	4,195.47	3/4	4,448.65	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,633.09	3	3,925.63	3	4,201.00	3	4,453.69	3		3		3		3		3		3	
1/4	3,639.21	1/4	3,931.57	1/4	4,206.50	1/4	4,458.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,645.34	1/2	3,937.51	1/2	4,211.99	1/2	4,463.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,651.46	3/4	3,943.45	3/4	4,217.49	3/4	4,468.72	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,657.58	4	3,949.40	4	4,222.98	4	4,473.73	4		4		4		4		4		4	
1/4	3,663.71	1/4	3,955.30	1/4	4,228.44	1/4	4,479.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,669.83	1/2	3,961.21	1/2	4,233.89	1/2	4,484.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,675.96	3/4	3,967.11	3/4	4,239.35	3/4	4,490.35	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,682.08	5	3,973.02	5	4,244.81	5	4,495.89	5		5		5		5		5		5	
1/4	3,688.21	1/4	3,978.89	1/4	4,250.23	1/4	4,501.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,694.33	1/2	3,984.75	1/2	4,255.65	1/2	4,508.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,700.46	3/4	3,990.62	3/4	4,261.06	3/4	4,514.15	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,706.58	6	3,996.49	6	4,266.48	6	4,520.24	6		6		6		6		6		6	
1/4	3,712.71	1/4	4,002.32	1/4	4,271.87	1/4	4,526.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,718.83	1/2	4,008.15	1/2	4,277.25	1/2	4,532.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,724.96	3/4	4,013.98	3/4	4,282.63	3/4	4,538.51	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,731.08	7	4,019.81	7	4,288.01	7	4,544.60	7		7		7		7		7		7	
1/4	3,737.20	1/4	4,025.60	1/4	4,293.32	1/4	4,551.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,743.33	1/2	4,031.40	1/2	4,298.63	1/2	4,559.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,749.45	3/4	4,037.19	3/4	4,303.94	3/4	4,566.77	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,755.58	8	4,042.98	8	4,309.25	8	4,574.16	8		8		8		8		8		8	
1/4	3,761.70	1/4	4,048.74	1/4	4,314.52	1/4	4,580.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,767.83	1/2	4,054.49	1/2	4,319.79	1/2	4,587.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,773.95	3/4	4,060.25	3/4	4,325.06	3/4	4,594.28	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,780.08	9	4,066.01	9	4,330.33	9	4,600.98	9		9		9		9		9		9	
1/4	3,786.20	1/4	4,071.72	1/4	4,335.56	1/4	4,606.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,792.33	1/2	4,077.44	1/2	4,340.80	1/2	4,611.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,798.45	3/4	4,083.16	3/4	4,346.03	3/4	4,617.01	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,804.58	10	4,088.88	10	4,351.26	10		10		10		10		10		10		10	
1/4	3,810.69	1/4	4,094.56	1/4	4,356.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,816.81	1/2	4,100.24	1/2	4,361.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,822.93	3/4	4,105.92	3/4	4,366.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,829.05	11	4,111.60	11	4,372.05	11		11		11		11		11		11		11	
1/4	3,835.14	1/4	4,117.25	1/4	4,377.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,841.24	1/2	4,122.89	1/2	4,382.37	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,847.33	3/4	4,128.53	3/4	4,387.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2015 SW
CALCULATED: 05/05/2015 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "EMS 392"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.55	0	367.95	0	720.47	0	1,076.77	0	1,436.66	0	1,795.82	0	2,152.95	0	2,512.70	0	2,872.64	0	3,232.26
1/4	22.91	1/4	375.45	1/4	727.73	1/4	1,084.27	1/4	1,444.16	1/4	1,803.24	1/4	2,160.45	1/4	2,520.19	1/4	2,880.13	1/4	3,239.76
1/2	28.28	1/2	382.95	1/2	735.00	1/2	1,091.77	1/2	1,451.66	1/2	1,810.67	1/2	2,167.95	1/2	2,527.68	1/2	2,887.63	1/2	3,247.26
3/4	33.64	3/4	390.45	3/4	742.26	3/4	1,099.27	3/4	1,459.15	3/4	1,818.09	3/4	2,175.45	3/4	2,535.17	3/4	2,895.12	3/4	3,254.76
1	39.01	1	397.95	1	749.53	1	1,106.76	1	1,466.65	1	1,825.51	1	2,182.95	1	2,542.66	1	2,902.61	1	3,262.26
1/4	46.24	1/4	405.45	1/4	756.81	1/4	1,114.26	1/4	1,474.15	1/4	1,832.94	1/4	2,190.45	1/4	2,550.16	1/4	2,910.10	1/4	3,269.76
1/2	53.47	1/2	412.96	1/2	764.08	1/2	1,121.76	1/2	1,481.65	1/2	1,840.36	1/2	2,197.95	1/2	2,557.66	1/2	2,917.59	1/2	3,277.26
3/4	60.70	3/4	420.46	3/4	771.36	3/4	1,129.26	3/4	1,489.15	3/4	1,847.79	3/4	2,205.45	3/4	2,565.16	3/4	2,925.09	3/4	3,284.75
2	67.94	2	427.96	2	778.64	2	1,136.75	2	1,496.64	2	1,855.21	2	2,212.95	2	2,572.66	2	2,932.58	2	3,292.25
1/4	75.44	1/4	435.46	1/4	785.91	1/4	1,144.25	1/4	1,504.14	1/4	1,862.63	1/4	2,220.46	1/4	2,580.16	1/4	2,940.07	1/4	3,299.75
1/2	82.94	1/2	442.96	1/2	793.19	1/2	1,151.75	1/2	1,511.64	1/2	1,870.06	1/2	2,227.96	1/2	2,587.66	1/2	2,947.56	1/2	3,307.25
3/4	90.44	3/4	450.46	3/4	800.46	3/4	1,159.25	3/4	1,519.14	3/4	1,877.48	3/4	2,235.46	3/4	2,595.16	3/4	2,955.06	3/4	3,314.75
3	97.94	3	457.96	3	807.74	3	1,166.74	3	1,526.63	3	1,884.91	3	2,242.96	3	2,602.66	3	2,962.55	3	3,322.25
1/4	105.44	1/4	465.46	1/4	815.02	1/4	1,174.24	1/4	1,534.13	1/4	1,892.33	1/4	2,250.46	1/4	2,610.16	1/4	2,970.04	1/4	3,329.75
1/2	112.94	1/2	472.96	1/2	822.29	1/2	1,181.74	1/2	1,541.63	1/2	1,899.76	1/2	2,257.96	1/2	2,617.66	1/2	2,977.53	1/2	3,337.25
3/4	120.44	3/4	480.46	3/4	829.57	3/4	1,189.24	3/4	1,549.13	3/4	1,907.18	3/4	2,265.46	3/4	2,625.16	3/4	2,985.02	3/4	3,344.74
4	127.94	4	487.96	4	836.85	4	1,196.74	4	1,556.62	4	1,914.60	4	2,272.96	4	2,632.66	4	2,992.52	4	3,352.24
1/4	135.44	1/4	495.23	1/4	844.34	1/4	1,204.23	1/4	1,564.12	1/4	1,922.03	1/4	2,280.46	1/4	2,640.16	1/4	3,000.01	1/4	3,359.74
1/2	142.94	1/2	502.51	1/2	851.84	1/2	1,211.73	1/2	1,571.62	1/2	1,929.45	1/2	2,287.96	1/2	2,647.66	1/2	3,007.50	1/2	3,367.24
3/4	150.44	3/4	509.78	3/4	859.34	3/4	1,219.23	3/4	1,579.12	3/4	1,936.88	3/4	2,295.47	3/4	2,655.15	3/4	3,014.99	3/4	3,374.74
5	157.94	5	517.06	5	866.84	5	1,226.73	5	1,586.62	5	1,944.30	5	2,302.97	5	2,662.65	5	3,022.49	5	3,382.24
1/4	165.44	1/4	524.33	1/4	874.33	1/4	1,234.22	1/4	1,594.11	1/4	1,951.72	1/4	2,310.46	1/4	2,670.15	1/4	3,029.98	1/4	3,388.36
1/2	172.94	1/2	531.59	1/2	881.83	1/2	1,241.72	1/2	1,601.61	1/2	1,959.15	1/2	2,317.95	1/2	2,677.65	1/2	3,037.47	1/2	3,394.48
3/4	180.44	3/4	538.86	3/4	889.33	3/4	1,249.22	3/4	1,609.11	3/4	1,966.57	3/4	2,325.44	3/4	2,685.15	3/4	3,044.96	3/4	3,400.61
6	187.94	6	546.12	6	896.83	6	1,256.72	6	1,616.61	6	1,974.00	6	2,332.93	6	2,692.65	6	3,052.46	6	3,406.73
1/4	195.44	1/4	553.39	1/4	904.33	1/4	1,264.21	1/4	1,624.10	1/4	1,981.42	1/4	2,340.42	1/4	2,700.15	1/4	3,059.95	1/4	3,412.85
1/2	202.94	1/2	560.65	1/2	911.82	1/2	1,271.71	1/2	1,631.60	1/2	1,988.84	1/2	2,347.91	1/2	2,707.65	1/2	3,067.44	1/2	3,418.98
3/4	210.44	3/4	567.92	3/4	919.32	3/4	1,279.21	3/4	1,639.10	3/4	1,996.27	3/4	2,355.40	3/4	2,715.15	3/4	3,074.93	3/4	3,425.10
7	217.94	7	575.19	7	926.82	7	1,286.71	7	1,646.60	7	2,003.69	7	2,362.89	7	2,722.65	7	3,082.42	7	3,431.22
1/4	225.45	1/4	582.45	1/4	934.32	1/4	1,294.21	1/4	1,654.09	1/4	2,011.12	1/4	2,370.38	1/4	2,730.15	1/4	3,089.92	1/4	3,437.35
1/2	232.95	1/2	589.72	1/2	941.81	1/2	1,301.70	1/2	1,661.59	1/2	2,018.54	1/2	2,377.87	1/2	2,737.65	1/2	3,097.41	1/2	3,443.47
3/4	240.45	3/4	596.98	3/4	949.31	3/4	1,309.20	3/4	1,669.09	3/4	2,025.96	3/4	2,385.36	3/4	2,745.15	3/4	3,104.90	3/4	3,449.59
8	247.95	8	604.25	8	956.81	8	1,316.70	8	1,676.59	8	2,033.39	8	2,392.85	8	2,752.65	8	3,112.39	8	3,455.72
1/4	255.45	1/4	611.51	1/4	964.31	1/4	1,324.20	1/4	1,684.09	1/4	2,040.81	1/4	2,400.34	1/4	2,760.15	1/4	3,119.89	1/4	3,461.84
1/2	262.95	1/2	618.77	1/2	971.80	1/2	1,331.69	1/2	1,691.58	1/2	2,048.24	1/2	2,407.83	1/2	2,767.65	1/2	3,127.38	1/2	3,467.96
3/4	270.45	3/4	626.03	3/4	979.30	3/4	1,339.19	3/4	1,699.08	3/4	2,055.66	3/4	2,415.32	3/4	2,775.15	3/4	3,134.87	3/4	3,474.09
9	277.95	9	633.29	9	986.80	9	1,346.69	9	1,706.58	9	2,063.09	9	2,422.81	9	2,782.65	9	3,142.36	9	3,480.21
1/4	285.45	1/4	640.56	1/4	994.30	1/4	1,354.19	1/4	1,714.04	1/4	2,070.55	1/4	2,430.30	1/4	2,790.15	1/4	3,149.86	1/4	3,486.33
1/2	292.95	1/2	647.82	1/2	1,001.80	1/2	1,361.68	1/2	1,721.50	1/2	2,078.01	1/2	2,437.80	1/2	2,797.65	1/2	3,157.35	1/2	3,492.46
3/4	300.45	3/4	655.08	3/4	1,009.29	3/4	1,369.18	3/4	1,728.96	3/4	2,085.48	3/4	2,445.29	3/4	2,805.14	3/4	3,164.84	3/4	3,498.58
10	307.95	10	662.34	10	1,016.79	10	1,376.68	10	1,736.42	10	2,092.94	10	2,452.78	10	2,812.64	10	3,172.33	10	3,504.70
1/4	315.45	1/4	669.61	1/4	1,024.29	1/4	1,384.18	1/4	1,743.85	1/4	2,100.44	1/4	2,460.27	1/4	2,820.14	1/4	3,179.82	1/4	3,510.82
1/2	322.95	1/2	676.87	1/2	1,031.79	1/2	1,391.68	1/2	1,751.27	1/2	2,107.94	1/2	2,467.76	1/2	2,827.64	1/2	3,187.32	1/2	3,516.95
3/4	330.45	3/4	684.14	3/4	1,039.28	3/4	1,399.17	3/4	1,758.70	3/4	2,115.44	3/4	2,475.25	3/4	2,835.14	3/4	3,194.81	3/4	3,523.07
11	337.95	11	691.40	11	1,046.78	11	1,406.67	11	1,766.12	11	2,122.94	11	2,482.74	11	2,842.64	11	3,202.30	11	3,529.19
1/4	345.45	1/4	698.67	1/4	1,054.28	1/4	1,414.17	1/4	1,773.55	1/4	2,130.44	1/4	2,490.23	1/4	2,850.14	1/4	3,209.79	1/4	3,535.32
1/2	352.95	1/2	705.94	1/2	1,061.78	1/2	1,421.67	1/2	1,780.97	1/2	2,137.94	1/2	2,497.72	1/2	2,857.64	1/2	3,217.28	1/2	3,541.44
3/4	360.45	3/4	713.20	3/4	1,069.27	3/4	1,429.16	3/4	1,788.39	3/4	2,145.45	3/4	2,505.21	3/4	2,865.14	3/4	3,224.77	3/4	3,547.56

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 INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "EMS 392"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,553.69	0	3,847.44	0	4,128.12	0	4,386.58	0		0		0		0		0		0	
1/4	3,559.81	1/4	3,853.49	1/4	4,133.73	1/4	4,391.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,565.93	1/2	3,859.54	1/2	4,139.33	1/2	4,396.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,572.06	3/4	3,865.59	3/4	4,144.94	3/4	4,401.94	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,578.18	1	3,871.65	1	4,150.54	1	4,407.06	1		1		1		1		1		1	
1/4	3,584.30	1/4	3,877.66	1/4	4,156.11	1/4	4,412.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,590.43	1/2	3,883.68	1/2	4,161.68	1/2	4,417.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,596.55	3/4	3,889.70	3/4	4,167.25	3/4	4,422.31	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,602.67	2	3,895.71	2	4,172.81	2	4,427.39	2		2		2		2		2		2	
1/4	3,608.80	1/4	3,901.69	1/4	4,178.34	1/4	4,432.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,614.92	1/2	3,907.67	1/2	4,183.88	1/2	4,437.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,621.04	3/4	3,913.65	3/4	4,189.41	3/4	4,442.53	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,627.17	3	3,919.62	3	4,194.94	3	4,447.57	3		3		3		3		3		3	
1/4	3,633.29	1/4	3,925.57	1/4	4,200.43	1/4	4,452.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,639.41	1/2	3,931.51	1/2	4,205.92	1/2	4,457.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,645.54	3/4	3,937.45	3/4	4,211.41	3/4	4,462.60	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,651.66	4	3,943.39	4	4,216.91	4	4,467.61	4		4		4		4		4		4	
1/4	3,657.78	1/4	3,949.29	1/4	4,222.36	1/4	4,473.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,663.90	1/2	3,955.20	1/2	4,227.82	1/2	4,478.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,670.03	3/4	3,961.10	3/4	4,233.27	3/4	4,484.22	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,676.15	5	3,967.00	5	4,238.73	5	4,489.76	5		5		5		5		5		5	
1/4	3,682.27	1/4	3,972.87	1/4	4,244.15	1/4	4,495.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,688.40	1/2	3,978.74	1/2	4,249.57	1/2	4,501.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,694.52	3/4	3,984.60	3/4	4,254.98	3/4	4,508.02	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,700.64	6	3,990.47	6	4,260.40	6	4,514.11	6		6		6		6		6		6	
1/4	3,706.77	1/4	3,996.30	1/4	4,265.78	1/4	4,520.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,712.89	1/2	4,002.13	1/2	4,271.16	1/2	4,526.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,719.01	3/4	4,007.96	3/4	4,276.54	3/4	4,532.37	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,725.14	7	4,013.78	7	4,281.93	7	4,538.46	7		7		7		7		7		7	
1/4	3,731.26	1/4	4,019.58	1/4	4,287.23	1/4	4,545.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,737.38	1/2	4,025.37	1/2	4,292.54	1/2	4,553.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,743.51	3/4	4,031.16	3/4	4,297.85	3/4	4,560.62	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,749.63	8	4,036.95	8	4,303.15	8	4,568.01	8		8		8		8		8		8	
1/4	3,755.75	1/4	4,042.71	1/4	4,308.42	1/4	4,574.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,761.88	1/2	4,048.46	1/2	4,313.69	1/2	4,581.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,768.00	3/4	4,054.21	3/4	4,318.96	3/4	4,588.12	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,774.12	9	4,059.97	9	4,324.23	9	4,594.82	9		9		9		9		9		9	
1/4	3,780.25	1/4	4,065.69	1/4	4,329.47	1/4	4,600.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,786.37	1/2	4,071.40	1/2	4,334.70	1/2	4,605.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,792.49	3/4	4,077.12	3/4	4,339.93	3/4	4,610.83	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,798.62	10	4,082.84	10	4,345.16	10		10		10		10		10		10		10	
1/4	3,804.73	1/4	4,088.52	1/4	4,350.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,810.84	1/2	4,094.20	1/2	4,355.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,816.96	3/4	4,099.88	3/4	4,360.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,823.07	11	4,105.56	11	4,365.94	11		11		11		11		11		11		11	
1/4	3,829.16	1/4	4,111.20	1/4	4,371.10	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,835.25	1/2	4,116.84	1/2	4,376.26	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,841.35	3/4	4,122.48	3/4	4,381.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2015 SW
CALCULATED: 05/05/2015 CL
PRINTED: 05/05/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "EMS 392"

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	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
1 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
2 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
2 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-3/8	- 01-3/8
3 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-4/8	- 00-4/8
3 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-4/8	- 00-4/8

(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 -00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 236'-00"

May 5, 2015

**PRECISION MEASUREMENT
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BARGE "EMS 392"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-4 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0	0	0	0	0	0	0	4,212.41	0	3,921.81	0	3,610.53	0	3,282.35	0	2,951.98	0	2,621.59	0	2,291.17		
1/4		1/4		1/4		1/4	4,206.07	1/4	3,915.54	1/4	3,603.85	1/4	3,275.47	1/4	2,945.10	1/4	2,614.70	1/4	2,284.29		
1/2		1/2		1/2		1/2	4,200.22	1/2	3,909.23	1/2	3,597.14	1/2	3,268.58	1/2	2,938.21	1/2	2,607.82	1/2	2,277.40		
3/4		3/4		3/4		3/4	4,194.36	3/4	3,902.93	3/4	3,590.42	3/4	3,261.70	3/4	2,931.33	3/4	2,600.94	3/4	2,270.52		
1	1	1	1	1	1	1	4,188.51	1	3,896.62	1	3,583.71	1	3,254.82	1	2,924.45	1	2,594.05	1	2,263.63		
1/4		1/4		1/4		1/4	4,182.66	1/4	3,890.32	1/4	3,576.99	1/4	3,247.94	1/4	2,917.57	1/4	2,587.17	1/4	2,256.75		
1/2		1/2		1/2		1/2	4,176.77	1/2	3,883.98	1/2	3,570.24	1/2	3,241.05	1/2	2,910.68	1/2	2,580.28	1/2	2,249.87		
3/4		3/4		3/4		3/4	4,170.88	3/4	3,877.64	3/4	3,563.49	3/4	3,234.17	3/4	2,903.80	3/4	2,573.40	3/4	2,242.98		
2	2	2	2	2	2	2	4,164.99	2	3,871.30	2	3,556.74	2	3,227.29	2	2,896.92	2	2,566.52	2	2,236.10		
1/4		1/4		1/4		1/4	4,159.10	1/4	3,864.96	1/4	3,549.99	1/4	3,220.40	1/4	2,890.04	1/4	2,559.63	1/4	2,229.22		
1/2		1/2		1/2		1/2	4,153.18	1/2	3,858.59	1/2	3,543.20	1/2	3,213.52	1/2	2,883.15	1/2	2,552.75	1/2	2,222.33		
3/4		3/4		3/4		3/4	4,147.25	3/4	3,852.21	3/4	3,536.42	3/4	3,206.64	3/4	2,876.27	3/4	2,545.87	3/4	2,215.45		
3	3	3	3	3	3	3	4,141.33	3	3,845.84	3	3,529.64	3	3,199.76	3	2,869.39	3	2,538.98	3	2,208.56		
1/4		1/4		1/4		1/4	4,135.41	1/4	3,839.46	1/4	3,522.85	1/4	3,192.87	1/4	2,862.50	1/4	2,532.10	1/4	2,201.68		
1/2		1/2		1/2		1/2	4,129.45	1/2	3,833.06	1/2	3,516.03	1/2	3,185.99	1/2	2,855.62	1/2	2,525.21	1/2	2,194.80		
3/4		3/4		3/4		3/4	4,123.49	3/4	3,826.65	3/4	3,509.21	3/4	3,179.11	3/4	2,848.74	3/4	2,518.33	3/4	2,187.91		
4	4	4	4	4	4	4	4,117.54	4	3,820.24	4	3,502.40	4	3,172.23	4	2,841.86	4	2,511.45	4	2,181.03		
1/4		1/4		1/4		1/4	4,111.58	1/4	3,813.83	1/4	3,495.58	1/4	3,165.34	1/4	2,834.97	1/4	2,504.56	1/4	2,174.15		
1/2		1/2		1/2		1/2	4,105.59	1/2	3,807.39	1/2	3,488.72	1/2	3,158.46	1/2	2,828.09	1/2	2,497.68	1/2	2,167.26		
3/4		3/4		3/4		3/4	4,099.59	3/4	3,800.95	3/4	3,481.87	3/4	3,151.58	3/4	2,821.21	3/4	2,490.80	3/4	2,160.38		
5	5	5	5	5	5	5	4,093.60	5	3,794.51	5	3,475.02	5	3,144.69	5	2,814.33	5	2,483.91	5	2,153.50		
1/4		1/4		1/4		1/4	4,087.61	1/4	3,788.06	1/4	3,468.17	1/4	3,137.81	1/4	2,807.44	1/4	2,477.03	1/4	2,146.61		
1/2		1/2		1/2		1/2	4,081.59	1/2	3,781.59	1/2	3,461.29	1/2	3,130.93	1/2	2,800.56	1/2	2,470.15	1/2	2,139.73		
3/4		3/4		3/4		3/4	4,075.56	3/4	3,775.11	3/4	3,454.41	3/4	3,124.05	3/4	2,793.68	3/4	2,463.26	3/4	2,132.84		
6	6	6	6	6	6	6	4,069.53	6	3,768.64	6	3,447.53	6	3,117.16	6	2,786.79	6	2,456.38	6	2,125.96		
1/4		1/4		1/4		1/4	4,063.51	1/4	3,762.16	1/4	3,440.65	1/4	3,110.28	1/4	2,779.91	1/4	2,449.49	1/4	2,119.08		
1/2		1/2		1/2	4,352.50	1/2	4,057.45	1/2	3,755.65	1/2	3,433.77	1/2	3,103.40	1/2	2,773.03	1/2	2,442.61	1/2	2,112.19		
3/4		3/4		3/4	4,347.61	3/4	4,051.39	3/4	3,749.14	3/4	3,426.89	3/4	3,096.52	3/4	2,766.14	3/4	2,435.73	3/4	2,105.31		
7	7	7	7	7	7	7	4,045.33	7	3,742.63	7	3,420.00	7	3,089.63	7	2,759.26	7	2,428.84	7	2,098.43		
1/4		1/4		1/4	4,337.83	1/4	4,039.27	1/4	3,736.12	1/4	3,413.12	1/4	3,082.75	1/4	2,752.38	1/4	2,421.96	1/4	2,091.54		
1/2		1/2		1/2	4,331.68	1/2	4,033.17	1/2	3,729.57	1/2	3,406.24	1/2	3,075.87	1/2	2,745.49	1/2	2,415.08	1/2	2,084.66		
3/4		3/4		3/4	4,325.54	3/4	4,027.08	3/4	3,723.03	3/4	3,399.35	3/4	3,068.99	3/4	2,738.61	3/4	2,408.19	3/4	2,077.77		
8	8	8	8	8	8	8	4,020.99	8	3,716.48	8	3,392.47	8	3,062.10	8	2,731.73	8	2,401.31	8	2,070.89		
1/4		1/4		1/4	4,313.26	1/4	4,014.89	1/4	3,709.94	1/4	3,385.59	1/4	3,055.22	1/4	2,724.84	1/4	2,394.42	1/4	2,064.01		
1/2		1/2		1/2	4,306.49	1/2	4,008.76	1/2	3,703.36	1/2	3,378.71	1/2	3,048.34	1/2	2,717.96	1/2	2,387.54	1/2	2,057.12		
3/4		3/4		3/4	4,299.72	3/4	4,002.63	3/4	3,696.78	3/4	3,371.82	3/4	3,041.45	3/4	2,711.07	3/4	2,380.66	3/4	2,050.24		
9	9	9	9	9	9	9	4,292.95	9	3,996.51	9	3,364.94	9	3,034.57	9	2,704.19	9	2,373.77	9	2,043.36		
1/4		1/4		1/4	4,286.18	1/4	3,990.38	1/4	3,683.62	1/4	3,358.06	1/4	3,027.69	1/4	2,697.31	1/4	2,366.89	1/4	2,036.47		
1/2		1/2		1/2	4,279.33	1/2	3,984.18	1/2	3,677.01	1/2	3,351.18	1/2	3,020.81	1/2	2,690.42	1/2	2,360.01	1/2	2,029.59		
3/4		3/4		3/4	4,272.49	3/4	3,977.97	3/4	3,670.40	3/4	3,344.29	3/4	3,013.92	3/4	2,683.54	3/4	2,353.12	3/4	2,022.70		
10	10	10	10	10	10	10	4,265.65	10	3,971.77	10	3,337.41	10	3,007.04	10	2,676.66	10	2,346.24	10	2,015.82		
1/4		1/4		1/4	4,258.81	1/4	3,965.57	1/4	3,657.17	1/4	3,330.53	1/4	3,000.16	1/4	2,669.77	1/4	2,339.36	1/4	2,008.94		
1/2		1/2		1/2	4,251.96	1/2	3,959.33	1/2	3,650.52	1/2	3,323.65	1/2	2,993.28	1/2	2,662.89	1/2	2,332.47	1/2	2,002.05		
3/4		3/4		3/4	4,245.12	3/4	3,953.09	3/4	3,643.87	3/4	3,316.76	3/4	2,986.39	3/4	2,656.01	3/4	2,325.59	3/4	1,995.17		
11	11	11	11	11	11	11	4,238.28	11	3,946.86	11	3,637.23	11	3,309.88	11	2,979.51	11	2,649.12	11	2,318.70	11	1,988.29
1/4		1/4		1/4	4,231.43	1/4	3,940.62	1/4	3,630.58	1/4	3,303.00	1/4	2,972.63	1/4	2,642.24	1/4	2,311.82	1/4	1,981.40		
1/2		1/2		1/2	4,225.09	1/2	3,934.35	1/2	3,623.90	1/2	3,296.11	1/2	2,965.74	1/2	2,635.35	1/2	2,304.94	1/2	1,974.52		
3/4		3/4		3/4	4,218.75	3/4	3,928.08	3/4	3,617.22	3/4	3,289.23	3/4	2,958.86	3/4	2,628.47	3/4	2,298.05	3/4	1,967.64		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD

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



BARGE "EMS 392"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-4 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,960.75	0	1,630.33	0	1,299.92	0	969.84	0	656.36	0	364.71	0	96.60	0		0		0	
1/4	1,953.87	1/4	1,623.45	1/4	1,293.03	1/4	963.04	1/4	650.03	1/4	358.86	1/4	91.25	1/4		1/4		1/4	
1/2	1,946.98	1/2	1,616.57	1/2	1,286.15	1/2	956.28	1/2	643.74	1/2	353.06	1/2	85.94	1/2		1/2		1/2	
3/4	1,940.10	3/4	1,609.68	3/4	1,279.27	3/4	949.53	3/4	637.45	3/4	347.26	3/4	80.63	3/4		3/4		3/4	
1	1,933.22	1	1,602.80	1	1,272.38	1	942.77	1	631.16	1	341.46	1	75.32	1		1		1	
1/4	1,926.33	1/4	1,595.92	1/4	1,265.50	1/4	936.01	1/4	624.86	1/4	335.66	1/4	70.01	1/4		1/4		1/4	
1/2	1,919.45	1/2	1,589.03	1/2	1,258.61	1/2	929.31	1/2	618.62	1/2	329.90	1/2	64.74	1/2		1/2		1/2	
3/4	1,912.57	3/4	1,582.15	3/4	1,251.73	3/4	922.61	3/4	612.37	3/4	324.15	3/4	59.47	3/4		3/4		3/4	
2	1,905.68	2	1,575.26	2	1,244.85	2	915.92	2	606.12	2	318.39	2	54.20	2		2		2	
1/4	1,898.80	1/4	1,568.38	1/4	1,237.96	1/4	909.22	1/4	599.87	1/4	312.63	1/4	48.94	1/4		1/4		1/4	
1/2	1,891.91	1/2	1,561.50	1/2	1,231.08	1/2	902.56	1/2	593.66	1/2	306.91	1/2	43.95	1/2		1/2		1/2	
3/4	1,885.03	3/4	1,554.61	3/4	1,224.20	3/4	895.90	3/4	587.45	3/4	301.19	3/4	38.97	3/4		3/4		3/4	
3	1,878.15	3	1,547.73	3	1,217.31	3	889.24	3	581.24	3	295.47	3	33.99	3		3		3	
1/4	1,871.26	1/4	1,540.85	1/4	1,210.43	1/4	882.59	1/4	575.03	1/4	289.75	1/4	29.01	1/4		1/4		1/4	
1/2	1,864.38	1/2	1,533.96	1/2	1,203.54	1/2	875.97	1/2	568.86	1/2	284.08	1/2	25.79	1/2		1/2		1/2	
3/4	1,857.50	3/4	1,527.08	3/4	1,196.66	3/4	869.35	3/4	562.69	3/4	278.40	3/4	22.57	3/4		3/4		3/4	
4	1,850.61	4	1,520.19	4	1,189.78	4	862.74	4	556.53	4	272.72	4	19.35	4		4		4	
1/4	1,843.73	1/4	1,513.31	1/4	1,182.89	1/4	856.12	1/4	550.36	1/4	267.04	1/4	16.13	1/4		1/4		1/4	
1/2	1,836.84	1/2	1,506.43	1/2	1,176.01	1/2	849.55	1/2	544.23	1/2	261.41	1/2		1/2		1/2		1/2	
3/4	1,829.96	3/4	1,499.54	3/4	1,169.13	3/4	842.97	3/4	538.10	3/4	255.77	3/4		3/4		3/4		3/4	
5	1,823.08	5	1,492.66	5	1,162.24	5	836.40	5	531.98	5	250.13	5		5		5		5	
1/4	1,816.19	1/4	1,485.78	1/4	1,155.36	1/4	829.83	1/4	525.85	1/4	244.50	1/4		1/4		1/4		1/4	
1/2	1,809.31	1/2	1,478.89	1/2	1,148.47	1/2	823.30	1/2	519.76	1/2	238.90	1/2		1/2		1/2		1/2	
3/4	1,802.43	3/4	1,472.01	3/4	1,141.59	3/4	816.77	3/4	513.68	3/4	233.30	3/4		3/4		3/4		3/4	
6	1,795.54	6	1,465.13	6	1,134.71	6	810.24	6	507.59	6	227.71	6		6		6		6	
1/4	1,788.66	1/4	1,458.24	1/4	1,127.82	1/4	803.71	1/4	501.50	1/4	222.11	1/4		1/4		1/4		1/4	
1/2	1,781.78	1/2	1,451.36	1/2	1,120.94	1/2	797.21	1/2	495.46	1/2	216.56	1/2		1/2		1/2		1/2	
3/4	1,774.89	3/4	1,444.47	3/4	1,114.06	3/4	790.72	3/4	489.41	3/4	211.00	3/4		3/4		3/4		3/4	
7	1,768.01	7	1,437.59	7	1,107.17	7	784.23	7	483.37	7	205.45	7		7		7		7	
1/4	1,761.12	1/4	1,430.71	1/4	1,100.29	1/4	777.73	1/4	477.32	1/4	199.89	1/4		1/4		1/4		1/4	
1/2	1,754.24	1/2	1,423.82	1/2	1,093.41	1/2	771.28	1/2	471.32	1/2	194.38	1/2		1/2		1/2		1/2	
3/4	1,747.36	3/4	1,416.94	3/4	1,086.52	3/4	764.82	3/4	465.31	3/4	188.87	3/4		3/4		3/4		3/4	
8	1,740.47	8	1,410.06	8	1,079.64	8	758.37	8	459.31	8	183.35	8		8		8		8	
1/4	1,733.59	1/4	1,403.17	1/4	1,072.75	1/4	751.92	1/4	453.30	1/4	177.84	1/4		1/4		1/4		1/4	
1/2	1,726.71	1/2	1,396.29	1/2	1,065.87	1/2	745.51	1/2	447.34	1/2	172.36	1/2		1/2		1/2		1/2	
3/4	1,719.82	3/4	1,389.40	3/4	1,058.99	3/4	739.09	3/4	441.38	3/4	166.89	3/4		3/4		3/4		3/4	
9	1,712.94	9	1,382.52	9	1,052.10	9	732.68	9	435.41	9	161.42	9		9		9		9	
1/4	1,706.05	1/4	1,375.64	1/4	1,045.22	1/4	726.27	1/4	429.45	1/4	155.94	1/4		1/4		1/4		1/4	
1/2	1,699.17	1/2	1,368.75	1/2	1,038.34	1/2	719.88	1/2	423.53	1/2	150.51	1/2		1/2		1/2		1/2	
3/4	1,692.29	3/4	1,361.87	3/4	1,031.45	3/4	713.50	3/4	417.60	3/4	145.08	3/4		3/4		3/4		3/4	
10	1,685.40	10	1,354.99	10	1,024.57	10	707.11	10	411.68	10	139.65	10		10		10		10	
1/4	1,678.52	1/4	1,348.10	1/4	1,017.68	1/4	700.73	1/4	405.76	1/4	134.22	1/4		1/4		1/4		1/4	
1/2	1,671.64	1/2	1,341.22	1/2	1,010.82	1/2	694.39	1/2	399.87	1/2	128.82	1/2		1/2		1/2		1/2	
3/4	1,664.75	3/4	1,334.33	3/4	1,003.96	3/4	688.04	3/4	393.99	3/4	123.43	3/4		3/4		3/4		3/4	
11	1,657.87	11	1,327.45	11	997.09	11	681.70	11	388.11	11	118.04	11		11		11		11	
1/4	1,650.99	1/4	1,320.57	1/4	990.23	1/4	675.35	1/4	382.23	1/4	112.65	1/4		1/4		1/4		1/4	
1/2	1,644.10	1/2	1,313.68	1/2	983.43	1/2	669.02	1/2	376.39	1/2	107.30	1/2		1/2		1/2		1/2	
3/4	1,637.22	3/4	1,306.80	3/4	976.64	3/4	662.69	3/4	370.55	3/4	101.95	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2015 SW
CALCULATED: 05/05/2015 CL
PRINTED: 05/05/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "EMS 392"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-3 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,212.20	0	3,920.49	0	3,607.60	0	3,278.22	0	2,947.02	0	2,615.78	0	2,284.52
1/4		1/4		1/4		1/4	4,206.33	1/4	3,914.17	1/4	3,600.87	1/4	3,271.32	1/4	2,940.12	1/4	2,608.88	1/4	2,277.62
1/2		1/2		1/2		1/2	4,200.46	1/2	3,907.84	1/2	3,594.14	1/2	3,264.42	1/2	2,933.22	1/2	2,601.98	1/2	2,270.72
3/4		3/4		3/4		3/4	4,194.60	3/4	3,901.52	3/4	3,587.40	3/4	3,257.52	3/4	2,926.32	3/4	2,595.08	3/4	2,263.82
1		1		1		1	4,188.69	1	3,895.17	1	3,580.64	1	3,250.62	1	2,919.42	1	2,588.18	1	2,256.92
1/4		1/4		1/4		1/4	4,182.79	1/4	3,888.81	1/4	3,573.87	1/4	3,243.72	1/4	2,912.52	1/4	2,581.28	1/4	2,250.02
1/2		1/2		1/2		1/2	4,176.88	1/2	3,882.46	1/2	3,567.10	1/2	3,236.82	1/2	2,905.62	1/2	2,574.38	1/2	2,243.11
3/4		3/4		3/4		3/4	4,170.98	3/4	3,876.10	3/4	3,560.33	3/4	3,229.92	3/4	2,898.72	3/4	2,567.48	3/4	2,236.21
2		2		2		2	4,165.04	2	3,869.71	2	3,553.53	2	3,223.02	2	2,891.82	2	2,560.57	2	2,229.31
1/4		1/4		1/4		1/4	4,159.11	1/4	3,863.32	1/4	3,546.73	1/4	3,216.12	1/4	2,884.92	1/4	2,553.67	1/4	2,222.41
1/2		1/2		1/2		1/2	4,153.17	1/2	3,856.93	1/2	3,539.93	1/2	3,209.22	1/2	2,878.02	1/2	2,546.77	1/2	2,215.51
3/4		3/4		3/4		3/4	4,147.23	3/4	3,850.54	3/4	3,533.13	3/4	3,202.32	3/4	2,871.12	3/4	2,539.87	3/4	2,208.61
3		3		3		3	4,141.26	3	3,844.12	3	3,526.29	3	3,195.42	3	2,864.22	3	2,532.97	3	2,201.71
1/4		1/4		1/4		1/4	4,135.28	1/4	3,837.69	1/4	3,519.46	1/4	3,188.52	1/4	2,857.32	1/4	2,526.07	1/4	2,194.81
1/2		1/2		1/2		1/2	4,129.31	1/2	3,831.27	1/2	3,512.62	1/2	3,181.62	1/2	2,850.42	1/2	2,519.17	1/2	2,187.90
3/4		3/4		3/4		3/4	4,123.34	3/4	3,824.85	3/4	3,505.78	3/4	3,174.72	3/4	2,843.52	3/4	2,512.27	3/4	2,181.00
4		4		4		4	4,117.33	4	3,818.39	4	3,498.91	4	3,167.82	4	2,836.62	4	2,505.36	4	2,174.10
1/4		1/4		1/4		1/4	4,111.33	1/4	3,811.93	1/4	3,492.04	1/4	3,160.92	1/4	2,829.72	1/4	2,498.46	1/4	2,167.20
1/2		1/2		1/2		1/2	4,105.32	1/2	3,805.47	1/2	3,485.17	1/2	3,154.02	1/2	2,822.82	1/2	2,491.56	1/2	2,160.30
3/4		3/4		3/4		3/4	4,099.31	3/4	3,799.01	3/4	3,478.30	3/4	3,147.12	3/4	2,815.92	3/4	2,484.66	3/4	2,153.40
5		5		5		5	4,093.27	5	3,792.52	5	3,471.41	5	3,140.22	5	2,809.02	5	2,477.76	5	2,146.50
1/4		1/4		1/4		1/4	4,087.23	1/4	3,786.03	1/4	3,464.51	1/4	3,133.32	1/4	2,802.12	1/4	2,470.86	1/4	2,139.60
1/2		1/2		1/2		1/2	4,081.19	1/2	3,779.53	1/2	3,457.62	1/2	3,126.42	1/2	2,795.22	1/2	2,463.96	1/2	2,132.69
3/4		3/4		3/4		3/4	4,075.15	3/4	3,773.04	3/4	3,450.73	3/4	3,119.52	3/4	2,788.32	3/4	2,457.06	3/4	2,125.79
6		6		6	4,364.88	6	4,069.08	6	3,766.52	6	3,443.83	6	3,112.62	6	2,781.42	6	2,450.15	6	2,118.89
1/4		1/4		1/4	4,359.98	1/4	4,063.00	1/4	3,759.99	1/4	3,436.93	1/4	3,105.72	1/4	2,774.51	1/4	2,443.25	1/4	2,111.99
1/2		1/2		1/2	4,355.07	1/2	4,056.93	1/2	3,753.46	1/2	3,430.03	1/2	3,098.82	1/2	2,767.61	1/2	2,436.35	1/2	2,105.09
3/4		3/4		3/4	4,350.17	3/4	4,050.85	3/4	3,746.93	3/4	3,423.13	3/4	3,091.92	3/4	2,760.71	3/4	2,429.45	3/4	2,098.19
7		7		7	4,344.01	7	4,044.74	7	3,740.37	7	3,416.23	7	3,085.02	7	2,753.81	7	2,422.55	7	2,091.29
1/4		1/4		1/4	4,337.85	1/4	4,038.63	1/4	3,733.81	1/4	3,409.33	1/4	3,078.12	1/4	2,746.91	1/4	2,415.65	1/4	2,084.38
1/2		1/2		1/2	4,331.69	1/2	4,032.52	1/2	3,727.25	1/2	3,402.43	1/2	3,071.22	1/2	2,740.01	1/2	2,408.75	1/2	2,077.48
3/4		3/4		3/4	4,325.53	3/4	4,026.41	3/4	3,720.69	3/4	3,395.53	3/4	3,064.32	3/4	2,733.11	3/4	2,401.84	3/4	2,070.58
8		8		8	4,318.74	8	4,020.27	8	3,714.09	8	3,388.63	8	3,057.42	8	2,726.21	8	2,394.94	8	2,063.68
1/4		1/4		1/4	4,311.95	1/4	4,014.12	1/4	3,707.50	1/4	3,381.73	1/4	3,050.52	1/4	2,719.30	1/4	2,388.04	1/4	2,056.78
1/2		1/2		1/2	4,305.17	1/2	4,007.98	1/2	3,700.90	1/2	3,374.83	1/2	3,043.62	1/2	2,712.40	1/2	2,381.14	1/2	2,049.88
3/4		3/4		3/4	4,298.38	3/4	4,001.84	3/4	3,694.31	3/4	3,367.93	3/4	3,036.72	3/4	2,705.50	3/4	2,374.24	3/4	2,042.98
9		9		9	4,291.52	9	3,995.62	9	3,687.68	9	3,361.03	9	3,029.82	9	2,698.60	9	2,367.34	9	2,036.08
1/4		1/4		1/4	4,284.66	1/4	3,989.40	1/4	3,681.05	1/4	3,354.13	1/4	3,022.92	1/4	2,691.70	1/4	2,360.44	1/4	2,029.17
1/2		1/2		1/2	4,277.80	1/2	3,983.18	1/2	3,674.42	1/2	3,347.23	1/2	3,016.02	1/2	2,684.80	1/2	2,353.54	1/2	2,022.27
3/4		3/4		3/4	4,270.94	3/4	3,976.96	3/4	3,667.79	3/4	3,340.33	3/4	3,009.12	3/4	2,677.90	3/4	2,346.63	3/4	2,015.37
10		10		10	4,264.08	10	3,970.71	10	3,661.12	10	3,333.43	10	3,002.22	10	2,671.00	10	2,339.73	10	2,008.47
1/4		1/4		1/4	4,257.22	1/4	3,964.46	1/4	3,654.46	1/4	3,326.53	1/4	2,995.32	1/4	2,664.09	1/4	2,332.83	1/4	2,001.57
1/2		1/2		1/2	4,250.36	1/2	3,958.21	1/2	3,647.79	1/2	3,319.63	1/2	2,988.42	1/2	2,657.19	1/2	2,325.93	1/2	1,994.67
3/4		3/4		3/4	4,243.50	3/4	3,951.95	3/4	3,641.13	3/4	3,312.73	3/4	2,981.52	3/4	2,650.29	3/4	2,319.03	3/4	1,987.77
11		11		11	4,237.14	11	3,945.67	11	3,634.43	11	3,305.82	11	2,974.62	11	2,643.39	11	2,312.13	11	1,980.87
1/4		1/4		1/4	4,230.78	1/4	3,939.38	1/4	3,627.73	1/4	3,298.92	1/4	2,967.72	1/4	2,636.49	1/4	2,305.23	1/4	1,973.96
1/2		1/2		1/2	4,224.43	1/2	3,933.09	1/2	3,621.03	1/2	3,292.02	1/2	2,960.82	1/2	2,629.59	1/2	2,298.33	1/2	1,967.06
3/4		3/4		3/4	4,218.07	3/4	3,926.81	3/4	3,614.33	3/4	3,285.12	3/4	2,953.92	3/4	2,622.69	3/4	2,291.42	3/4	1,960.16

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 WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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



BARGE "EMS 392"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-3 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,953.26	0	1,622.00	0	1,290.74	0	959.90	0	645.34	0	353.94	0	86.15	0		0		0	
1/4	1,946.36	1/4	1,615.10	1/4	1,283.83	1/4	953.11	1/4	639.04	1/4	348.13	1/4	80.83	1/4		1/4		1/4	
1/2	1,939.46	1/2	1,608.20	1/2	1,276.93	1/2	946.31	1/2	632.73	1/2	342.31	1/2	75.51	1/2		1/2		1/2	
3/4	1,932.56	3/4	1,601.29	3/4	1,270.03	3/4	939.51	3/4	626.42	3/4	336.50	3/4	70.18	3/4		3/4		3/4	
1	1,925.65	1	1,594.39	1	1,263.13	1	932.76	1	620.16	1	330.72	1	64.90	1		1		1	
1/4	1,918.75	1/4	1,587.49	1/4	1,256.23	1/4	926.02	1/4	613.89	1/4	324.95	1/4	59.62	1/4		1/4		1/4	
1/2	1,911.85	1/2	1,580.59	1/2	1,249.33	1/2	919.27	1/2	607.63	1/2	319.18	1/2	54.34	1/2		1/2		1/2	
3/4	1,904.95	3/4	1,573.69	3/4	1,242.43	3/4	912.53	3/4	601.36	3/4	313.40	3/4	49.06	3/4		3/4		3/4	
2	1,898.05	2	1,566.79	2	1,235.52	2	905.83	2	595.14	2	307.67	2	44.06	2		2		2	
1/4	1,891.15	1/4	1,559.89	1/4	1,228.62	1/4	899.12	1/4	588.91	1/4	301.94	1/4	39.07	1/4		1/4		1/4	
1/2	1,884.25	1/2	1,552.98	1/2	1,221.72	1/2	892.42	1/2	582.69	1/2	296.20	1/2	34.07	1/2		1/2		1/2	
3/4	1,877.35	3/4	1,546.08	3/4	1,214.82	3/4	885.72	3/4	576.46	3/4	290.47	3/4	29.08	3/4		3/4		3/4	
3	1,870.44	3	1,539.18	3	1,207.92	3	879.05	3	570.28	3	284.78	3	25.85	3		3		3	
1/4	1,863.54	1/4	1,532.28	1/4	1,201.02	1/4	872.39	1/4	564.09	1/4	279.09	1/4	22.62	1/4		1/4		1/4	
1/2	1,856.64	1/2	1,525.38	1/2	1,194.12	1/2	865.73	1/2	557.91	1/2	273.40	1/2	19.40	1/2		1/2		1/2	
3/4	1,849.74	3/4	1,518.48	3/4	1,187.22	3/4	859.07	3/4	551.73	3/4	267.70	3/4	16.17	3/4		3/4		3/4	
4	1,842.84	4	1,511.58	4	1,180.31	4	852.45	4	545.58	4	262.05	4		4		4		4	
1/4	1,835.94	1/4	1,504.68	1/4	1,173.41	1/4	845.83	1/4	539.44	1/4	256.40	1/4		1/4		1/4		1/4	
1/2	1,829.04	1/2	1,497.77	1/2	1,166.51	1/2	839.21	1/2	533.30	1/2	250.75	1/2		1/2		1/2		1/2	
3/4	1,822.14	3/4	1,490.87	3/4	1,159.61	3/4	832.60	3/4	527.16	3/4	245.10	3/4		3/4		3/4		3/4	
5	1,815.23	5	1,483.97	5	1,152.71	5	826.02	5	521.06	5	239.49	5		5		5		5	
1/4	1,808.33	1/4	1,477.07	1/4	1,145.81	1/4	819.45	1/4	514.95	1/4	233.88	1/4		1/4		1/4		1/4	
1/2	1,801.43	1/2	1,470.17	1/2	1,138.91	1/2	812.87	1/2	508.85	1/2	228.27	1/2		1/2		1/2		1/2	
3/4	1,794.53	3/4	1,463.27	3/4	1,132.01	3/4	806.29	3/4	502.75	3/4	222.66	3/4		3/4		3/4		3/4	
6	1,787.63	6	1,456.37	6	1,125.10	6	799.75	6	496.69	6	217.09	6		6		6		6	
1/4	1,780.73	1/4	1,449.47	1/4	1,118.20	1/4	793.21	1/4	490.63	1/4	211.53	1/4		1/4		1/4		1/4	
1/2	1,773.83	1/2	1,442.56	1/2	1,111.30	1/2	786.68	1/2	484.57	1/2	205.96	1/2		1/2		1/2		1/2	
3/4	1,766.93	3/4	1,435.66	3/4	1,104.40	3/4	780.14	3/4	478.51	3/4	200.39	3/4		3/4		3/4		3/4	
7	1,760.02	7	1,428.76	7	1,097.50	7	773.64	7	472.49	7	194.86	7		7		7		7	
1/4	1,753.12	1/4	1,421.86	1/4	1,090.60	1/4	767.14	1/4	466.47	1/4	189.33	1/4		1/4		1/4		1/4	
1/2	1,746.22	1/2	1,414.96	1/2	1,083.70	1/2	760.64	1/2	460.45	1/2	183.81	1/2		1/2		1/2		1/2	
3/4	1,739.32	3/4	1,408.06	3/4	1,076.80	3/4	754.14	3/4	454.43	3/4	178.28	3/4		3/4		3/4		3/4	
8	1,732.42	8	1,401.16	8	1,069.89	8	747.68	8	448.45	8	172.79	8		8		8		8	
1/4	1,725.52	1/4	1,394.25	1/4	1,062.99	1/4	741.23	1/4	442.47	1/4	167.30	1/4		1/4		1/4		1/4	
1/2	1,718.62	1/2	1,387.35	1/2	1,056.09	1/2	734.77	1/2	436.49	1/2	161.82	1/2		1/2		1/2		1/2	
3/4	1,711.71	3/4	1,380.45	3/4	1,049.19	3/4	728.31	3/4	430.51	3/4	156.33	3/4		3/4		3/4		3/4	
9	1,704.81	9	1,373.55	9	1,042.29	9	721.88	9	424.58	9	150.88	9		9		9		9	
1/4	1,697.91	1/4	1,366.65	1/4	1,035.39	1/4	715.45	1/4	418.64	1/4	145.44	1/4		1/4		1/4		1/4	
1/2	1,691.01	1/2	1,359.75	1/2	1,028.49	1/2	709.02	1/2	412.70	1/2	139.99	1/2		1/2		1/2		1/2	
3/4	1,684.11	3/4	1,352.85	3/4	1,021.58	3/4	702.59	3/4	406.76	3/4	134.55	3/4		3/4		3/4		3/4	
10	1,677.21	10	1,345.95	10	1,014.70	10	696.20	10	400.87	10	129.14	10		10		10		10	
1/4	1,670.31	1/4	1,339.04	1/4	1,007.82	1/4	689.82	1/4	394.97	1/4	123.74	1/4		1/4		1/4		1/4	
1/2	1,663.41	1/2	1,332.14	1/2	1,000.94	1/2	683.43	1/2	389.07	1/2	118.33	1/2		1/2		1/2		1/2	
3/4	1,656.50	3/4	1,325.24	3/4	994.06	3/4	677.04	3/4	383.18	3/4	112.93	3/4		3/4		3/4		3/4	
11	1,649.60	11	1,318.34	11	987.22	11	670.69	11	377.32	11	107.57	11		11		11		11	
1/4	1,642.70	1/4	1,311.44	1/4	980.38	1/4	664.34	1/4	371.47	1/4	102.20	1/4		1/4		1/4		1/4	
1/2	1,635.80	1/2	1,304.54	1/2	973.54	1/2	658.00	1/2	365.61	1/2	96.84	1/2		1/2		1/2		1/2	
3/4	1,628.90	3/4	1,297.64	3/4	966.70	3/4	651.65	3/4	359.75	3/4	91.47	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2015 SW
CALCULATED: 05/05/2015 CL
PRINTED: 05/05/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

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



BARGE "EMS 392"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,482.48	0	2,094.33	0	1,706.19	0	1,318.04	0	929.89	0	542.12	0	154.00	0		0		0	
1/4	2,474.39	1/4	2,086.25	1/4	1,698.10	1/4	1,309.95	1/4	921.81	1/4	534.03	1/4	145.92	1/4		1/4		1/4	
1/2	2,466.31	1/2	2,078.16	1/2	1,690.01	1/2	1,301.87	1/2	913.72	1/2	525.95	1/2	137.83	1/2		1/2		1/2	
3/4	2,458.22	3/4	2,070.07	3/4	1,681.93	3/4	1,293.78	3/4	905.63	3/4	517.86	3/4	129.75	3/4		3/4		3/4	
1	2,450.14	1	2,061.99	1	1,673.84	1	1,285.69	1	897.55	1	509.77	1	121.66	1		1		1	
1/4	2,442.05	1/4	2,053.90	1/4	1,665.75	1/4	1,277.61	1/4	889.46	1/4	501.69	1/4	113.58	1/4		1/4		1/4	
1/2	2,433.96	1/2	2,045.82	1/2	1,657.67	1/2	1,269.52	1/2	881.37	1/2	493.60	1/2	105.49	1/2		1/2		1/2	
3/4	2,425.88	3/4	2,037.73	3/4	1,649.58	3/4	1,261.43	3/4	873.29	3/4	485.52	3/4	97.40	3/4		3/4		3/4	
2	2,417.79	2	2,029.64	2	1,641.50	2	1,253.35	2	865.20	2	477.43	2	89.32	2		2		2	
1/4	2,409.70	1/4	2,021.56	1/4	1,633.41	1/4	1,245.26	1/4	857.11	1/4	469.35	1/4	81.23	1/4		1/4		1/4	
1/2	2,401.62	1/2	2,013.47	1/2	1,625.32	1/2	1,237.18	1/2	849.03	1/2	461.26	1/2	73.15	1/2		1/2		1/2	
3/4	2,393.53	3/4	2,005.38	3/4	1,617.24	3/4	1,229.09	3/4	840.94	3/4	453.17	3/4	65.35	3/4		3/4		3/4	
3	2,385.44	3	1,997.30	3	1,609.15	3	1,221.00	3	832.86	3	445.09	3	57.55	3		3		3	
1/4	2,377.36	1/4	1,989.21	1/4	1,601.06	1/4	1,212.92	1/4	824.77	1/4	437.00	1/4	49.76	1/4		1/4		1/4	
1/2	2,369.27	1/2	1,981.12	1/2	1,592.98	1/2	1,204.83	1/2	816.68	1/2	428.92	1/2	41.96	1/2		1/2		1/2	
3/4	2,361.18	3/4	1,973.04	3/4	1,584.89	3/4	1,196.74	3/4	808.61	3/4	420.83	3/4	36.18	3/4		3/4		3/4	
4	2,353.10	4	1,964.95	4	1,576.80	4	1,188.66	4	800.53	4	412.75	4	30.41	4		4		4	
1/4	2,345.01	1/4	1,956.86	1/4	1,568.72	1/4	1,180.57	1/4	792.45	1/4	404.66	1/4	24.64	1/4		1/4		1/4	
1/2	2,336.93	1/2	1,948.78	1/2	1,560.63	1/2	1,172.48	1/2	784.38	1/2	396.57	1/2	18.86	1/2		1/2		1/2	
3/4	2,328.84	3/4	1,940.69	3/4	1,552.54	3/4	1,164.40	3/4	776.30	3/4	388.49	3/4		3/4		3/4		3/4	
5	2,320.75	5	1,932.61	5	1,544.46	5	1,156.31	5	768.23	5	380.40	5		5		5		5	
1/4	2,312.67	1/4	1,924.52	1/4	1,536.37	1/4	1,148.22	1/4	760.15	1/4	372.32	1/4		1/4		1/4		1/4	
1/2	2,304.58	1/2	1,916.43	1/2	1,528.29	1/2	1,140.14	1/2	752.08	1/2	364.23	1/2		1/2		1/2		1/2	
3/4	2,296.49	3/4	1,908.35	3/4	1,520.20	3/4	1,132.05	3/4	744.00	3/4	356.15	3/4		3/4		3/4		3/4	
6	2,288.41	6	1,900.26	6	1,512.11	6	1,123.97	6	735.92	6	348.06	6		6		6		6	
1/4	2,280.32	1/4	1,892.17	1/4	1,504.03	1/4	1,115.88	1/4	727.85	1/4	339.97	1/4		1/4		1/4		1/4	
1/2	2,272.23	1/2	1,884.09	1/2	1,495.94	1/2	1,107.79	1/2	719.77	1/2	331.89	1/2		1/2		1/2		1/2	
3/4	2,264.15	3/4	1,876.00	3/4	1,487.85	3/4	1,099.71	3/4	711.70	3/4	323.80	3/4		3/4		3/4		3/4	
7	2,256.06	7	1,867.91	7	1,479.77	7	1,091.62	7	703.63	7	315.72	7		7		7		7	
1/4	2,247.98	1/4	1,859.83	1/4	1,471.68	1/4	1,083.53	1/4	695.56	1/4	307.63	1/4		1/4		1/4		1/4	
1/2	2,239.89	1/2	1,851.74	1/2	1,463.59	1/2	1,075.45	1/2	687.49	1/2	299.55	1/2		1/2		1/2		1/2	
3/4	2,231.80	3/4	1,843.66	3/4	1,455.51	3/4	1,067.36	3/4	679.41	3/4	291.46	3/4		3/4		3/4		3/4	
8	2,223.72	8	1,835.57	8	1,447.42	8	1,059.27	8	671.34	8	283.37	8		8		8		8	
1/4	2,215.63	1/4	1,827.48	1/4	1,439.34	1/4	1,051.19	1/4	663.27	1/4	275.29	1/4		1/4		1/4		1/4	
1/2	2,207.54	1/2	1,819.40	1/2	1,431.25	1/2	1,043.10	1/2	655.20	1/2	267.20	1/2		1/2		1/2		1/2	
3/4	2,199.46	3/4	1,811.31	3/4	1,423.16	3/4	1,035.02	3/4	647.12	3/4	259.12	3/4		3/4		3/4		3/4	
9	2,191.37	9	1,803.22	9	1,415.08	9	1,026.93	9	639.05	9	251.03	9		9		9		9	
1/4	2,183.28	1/4	1,795.14	1/4	1,406.99	1/4	1,018.84	1/4	630.97	1/4	242.95	1/4		1/4		1/4		1/4	
1/2	2,175.20	1/2	1,787.05	1/2	1,398.90	1/2	1,010.76	1/2	622.90	1/2	234.86	1/2		1/2		1/2		1/2	
3/4	2,167.11	3/4	1,778.96	3/4	1,390.82	3/4	1,002.67	3/4	614.82	3/4	226.77	3/4		3/4		3/4		3/4	
10	2,159.02	10	1,770.88	10	1,382.73	10	994.58	10	606.74	10	218.69	10		10		10		10	
1/4	2,150.94	1/4	1,762.79	1/4	1,374.64	1/4	986.50	1/4	598.67	1/4	210.60	1/4		1/4		1/4		1/4	
1/2	2,142.85	1/2	1,754.70	1/2	1,366.56	1/2	978.41	1/2	590.59	1/2	202.52	1/2		1/2		1/2		1/2	
3/4	2,134.77	3/4	1,746.62	3/4	1,358.47	3/4	970.32	3/4	582.52	3/4	194.43	3/4		3/4		3/4		3/4	
11	2,126.68	11	1,738.53	11	1,350.38	11	962.24	11	574.44	11	186.35	11		11		11		11	
1/4	2,118.59	1/4	1,730.45	1/4	1,342.30	1/4	954.15	1/4	566.36	1/4	178.26	1/4		1/4		1/4		1/4	
1/2	2,110.51	1/2	1,722.36	1/2	1,334.21	1/2	946.06	1/2	558.29	1/2	170.17	1/2		1/2		1/2		1/2	
3/4	2,102.42	3/4	1,714.27	3/4	1,326.13	3/4	937.98	3/4	550.20	3/4	162.09	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2015 SW
CALCULATED: 05/05/2015 CL
PRINTED: 05/05/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

PRECISION MEASUREMENT
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BARGE "EMS 392"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-5"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	5,125.05	0	4,783.59	0	4,419.52	0	4,034.86	0	3,646.90	0	3,258.92	0	2,870.91
1/4		1/4		1/4		1/4	5,117.61	1/4	4,776.23	1/4	4,411.68	1/4	4,026.77	1/4	3,638.82	1/4	3,250.84	1/4	2,862.83
1/2		1/2		1/2		1/2	5,110.16	1/2	4,768.87	1/2	4,403.83	1/2	4,018.69	1/2	3,630.74	1/2	3,242.75	1/2	2,854.74
3/4		3/4		3/4		3/4	5,102.72	3/4	4,761.50	3/4	4,395.98	3/4	4,010.61	3/4	3,622.65	3/4	3,234.67	3/4	2,846.66
1	1	1	1	1	1	1	5,095.27	1	4,754.14	1	4,388.14	1	4,002.53	1	3,614.57	1	3,226.59	1	2,838.57
1/4		1/4		1/4		1/4	5,088.40	1/4	4,746.74	1/4	4,380.25	1/4	3,994.44	1/4	3,606.49	1/4	3,218.50	1/4	2,830.49
1/2		1/2		1/2		1/2	5,081.53	1/2	4,739.33	1/2	4,372.37	1/2	3,986.36	1/2	3,598.41	1/2	3,210.42	1/2	2,822.41
3/4		3/4		3/4		3/4	5,074.65	3/4	4,731.93	3/4	4,364.48	3/4	3,978.28	3/4	3,590.32	3/4	3,202.34	3/4	2,814.32
2	2	2	2	2	2	2	5,067.78	2	4,724.52	2	4,356.59	2	3,970.20	2	3,582.24	2	3,194.25	2	2,806.24
1/4		1/4		1/4		1/4	5,060.86	1/4	4,717.08	1/4	4,348.67	1/4	3,962.11	1/4	3,574.16	1/4	3,186.17	1/4	2,798.16
1/2		1/2		1/2		1/2	5,053.95	1/2	4,709.64	1/2	4,340.74	1/2	3,954.03	1/2	3,566.08	1/2	3,178.09	1/2	2,790.07
3/4		3/4		3/4		3/4	5,047.04	3/4	4,702.19	3/4	4,332.81	3/4	3,945.95	3/4	3,557.99	3/4	3,170.00	3/4	2,781.99
3	3	3	3	3	3	3	5,040.12	3	4,694.75	3	4,324.89	3	3,937.87	3	3,549.91	3	3,161.92	3	2,773.91
1/4		1/4		1/4		1/4	5,033.17	1/4	4,687.26	1/4	4,316.92	1/4	3,929.78	1/4	3,541.83	1/4	3,153.83	1/4	2,765.82
1/2		1/2		1/2		1/2	5,026.21	1/2	4,679.78	1/2	4,308.95	1/2	3,921.70	1/2	3,533.75	1/2	3,145.75	1/2	2,757.74
3/4		3/4		3/4		3/4	5,019.26	3/4	4,672.29	3/4	4,300.99	3/4	3,913.62	3/4	3,525.66	3/4	3,137.67	3/4	2,749.65
4	4	4	4	4	4	4	5,012.30	4	4,664.81	4	4,293.02	4	3,905.54	4	3,517.58	4	3,129.58	4	2,741.57
1/4		1/4		1/4		1/4	5,005.31	1/4	4,657.29	1/4	4,285.01	1/4	3,897.46	1/4	3,509.50	1/4	3,121.50	1/4	2,733.49
1/2		1/2		1/2		1/2	4,998.31	1/2	4,649.76	1/2	4,277.01	1/2	3,889.37	1/2	3,501.42	1/2	3,113.42	1/2	2,725.40
3/4		3/4		3/4		3/4	4,991.32	3/4	4,642.24	3/4	4,269.00	3/4	3,881.29	3/4	3,493.34	3/4	3,105.33	3/4	2,717.32
5	5	5	5	5	5	5	4,984.33	5	4,634.71	5	4,260.99	5	3,873.21	5	3,485.25	5	3,097.25	5	2,709.24
1/4		1/4		1/4		1/4	4,977.29	1/4	4,627.15	1/4	4,252.94	1/4	3,865.13	1/4	3,477.17	1/4	3,089.17	1/4	2,701.15
1/2		1/2		1/2		1/2	4,970.26	1/2	4,619.58	1/2	4,244.90	1/2	3,857.04	1/2	3,469.09	1/2	3,081.08	1/2	2,693.07
3/4		3/4		3/4		3/4	4,963.22	3/4	4,612.02	3/4	4,236.85	3/4	3,848.96	3/4	3,461.01	3/4	3,073.00	3/4	2,684.99
6	6	6	6	6	6	6	4,956.19	6	4,604.45	6	4,228.80	6	3,840.88	6	3,452.92	6	3,064.92	6	2,676.90
1/4		1/4		1/4		1/4	4,949.11	1/4	4,596.85	1/4	4,220.73	1/4	3,832.80	1/4	3,444.84	1/4	3,056.83	1/4	2,668.82
1/2		1/2		1/2		1/2	4,942.04	1/2	4,589.24	1/2	4,212.65	1/2	3,824.71	1/2	3,436.76	1/2	3,048.75	1/2	2,660.74
3/4		3/4		3/4		3/4	4,934.96	3/4	4,581.64	3/4	4,204.58	3/4	3,816.63	3/4	3,428.68	3/4	3,040.66	3/4	2,652.65
7	7	7	7	7	7	7	4,927.89	7	4,574.03	7	4,196.50	7	3,808.55	7	3,420.59	7	3,032.58	7	2,644.57
1/4		1/4		1/4	5,267.23	1/4	4,920.77	1/4	4,566.39	1/4	4,188.42	1/4	3,800.47	1/4	3,412.51	1/4	3,024.50	1/4	2,636.48
1/2		1/2		1/2	5,261.49	1/2	4,913.66	1/2	4,558.74	1/2	4,180.34	1/2	3,792.38	1/2	3,404.43	1/2	3,016.41	1/2	2,628.40
3/4		3/4		3/4	5,255.74	3/4	4,906.54	3/4	4,551.10	3/4	4,172.26	3/4	3,784.30	3/4	3,396.34	3/4	3,008.33	3/4	2,620.32
8	8	8	8	8	8	8	5,250.00	8	4,899.42	8	4,543.45	8	4,164.17	8	3,776.22	8	3,000.25	8	2,612.23
1/4		1/4		1/4	5,242.78	1/4	4,892.27	1/4	4,535.77	1/4	4,156.09	1/4	3,768.14	1/4	3,380.18	1/4	2,992.16	1/4	2,604.15
1/2		1/2		1/2	5,235.57	1/2	4,885.11	1/2	4,528.08	1/2	4,148.01	1/2	3,760.05	1/2	3,372.09	1/2	2,984.08	1/2	2,596.07
3/4		3/4		3/4	5,228.35	3/4	4,877.96	3/4	4,520.40	3/4	4,139.93	3/4	3,751.97	3/4	3,364.01	3/4	2,976.00	3/4	2,587.98
9	9	9	9	9	9	9	5,221.13	9	4,870.80	9	4,512.71	9	4,131.84	9	3,743.89	9	3,355.92	9	2,967.91
1/4		1/4		1/4	5,213.18	1/4	4,863.61	1/4	4,504.99	1/4	4,123.76	1/4	3,735.81	1/4	3,347.84	1/4	2,959.83	1/4	2,571.82
1/2		1/2		1/2	5,205.23	1/2	4,856.41	1/2	4,497.26	1/2	4,115.68	1/2	3,727.72	1/2	3,339.76	1/2	2,951.74	1/2	2,563.73
3/4		3/4		3/4	5,197.28	3/4	4,849.22	3/4	4,489.54	3/4	4,107.60	3/4	3,719.64	3/4	3,331.67	3/4	2,943.66	3/4	2,555.65
10	10	10	10	10	10	10	5,189.33	10	4,842.02	10	4,099.52	10	3,711.56	10	3,323.59	10	2,935.58	10	2,547.56
1/4		1/4		1/4	5,181.30	1/4	4,834.74	1/4	4,474.04	1/4	4,091.43	1/4	3,703.48	1/4	3,315.51	1/4	2,927.49	1/4	2,539.48
1/2		1/2		1/2	5,173.26	1/2	4,827.45	1/2	4,466.28	1/2	4,083.35	1/2	3,695.40	1/2	3,307.42	1/2	2,919.41	1/2	2,531.40
3/4		3/4		3/4	5,165.23	3/4	4,820.17	3/4	4,458.51	3/4	4,075.27	3/4	3,687.31	3/4	3,299.34	3/4	2,911.33	3/4	2,523.31
11	11	11	11	11	11	11	5,157.19	11	4,812.89	11	4,450.75	11	4,067.19	11	3,679.23	11	3,291.26	11	2,903.24
1/4		1/4		1/4	5,149.16	1/4	4,805.56	1/4	4,442.94	1/4	4,059.10	1/4	3,671.15	1/4	3,283.17	1/4	2,895.16	1/4	2,507.15
1/2		1/2		1/2	5,141.12	1/2	4,798.24	1/2	4,435.14	1/2	4,051.02	1/2	3,663.07	1/2	3,275.09	1/2	2,887.08	1/2	2,499.06
3/4		3/4		3/4	5,133.09	3/4	4,790.92	3/4	4,427.33	3/4	4,042.94	3/4	3,654.98	3/4	3,267.01	3/4	2,878.99	3/4	2,490.98

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 WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD

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



BARGE "EMS 392"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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		0	5,126.82	0	4,785.40	0	4,420.24	0	4,034.97	0	3,646.89	0	3,258.78	0	2,870.63
1/4		1/4		1/4		1/4	5,119.37	1/4	4,778.04	1/4	4,412.39	1/4	4,026.89	1/4	3,638.80	1/4	3,250.69	1/4	2,862.54
1/2		1/2		1/2		1/2	5,111.92	1/2	4,770.67	1/2	4,404.54	1/2	4,018.80	1/2	3,630.72	1/2	3,242.60	1/2	2,854.46
3/4		3/4		3/4		3/4	5,105.05	3/4	4,763.26	3/4	4,396.66	3/4	4,010.72	3/4	3,622.63	3/4	3,234.52	3/4	2,846.37
1		1		1		1	5,098.17	1	4,755.86	1	4,388.77	1	4,002.63	1	3,614.55	1	3,226.43	1	2,838.28
1/4		1/4		1/4		1/4	5,091.29	1/4	4,748.45	1/4	4,380.88	1/4	3,994.55	1/4	3,606.46	1/4	3,218.34	1/4	2,830.20
1/2		1/2		1/2		1/2	5,084.42	1/2	4,741.05	1/2	4,372.99	1/2	3,986.46	1/2	3,598.38	1/2	3,210.26	1/2	2,822.11
3/4		3/4		3/4		3/4	5,077.50	3/4	4,733.60	3/4	4,365.06	3/4	3,978.38	3/4	3,590.29	3/4	3,202.17	3/4	2,814.02
2		2		2		2	5,070.59	2	4,726.15	2	4,357.13	2	3,970.29	2	3,582.21	2	3,194.08	2	2,805.94
1/4		1/4		1/4		1/4	5,063.67	1/4	4,718.71	1/4	4,349.20	1/4	3,962.21	1/4	3,574.12	1/4	3,186.00	1/4	2,797.85
1/2		1/2		1/2		1/2	5,056.75	1/2	4,711.26	1/2	4,341.27	1/2	3,954.12	1/2	3,566.04	1/2	3,177.91	1/2	2,789.76
3/4		3/4		3/4		3/4	5,049.80	3/4	4,703.77	3/4	4,333.30	3/4	3,946.04	3/4	3,557.95	3/4	3,169.82	3/4	2,781.68
3		3		3		3	5,042.84	3	4,696.29	3	4,325.33	3	3,937.95	3	3,549.87	3	3,161.74	3	2,773.59
1/4		1/4		1/4		1/4	5,035.88	1/4	4,688.80	1/4	4,317.36	1/4	3,929.87	1/4	3,541.78	1/4	3,153.65	1/4	2,765.50
1/2		1/2		1/2		1/2	5,028.92	1/2	4,681.31	1/2	4,309.39	1/2	3,921.78	1/2	3,533.70	1/2	3,145.57	1/2	2,757.42
3/4		3/4		3/4		3/4	5,021.93	3/4	4,673.78	3/4	4,301.38	3/4	3,913.70	3/4	3,525.61	3/4	3,137.48	3/4	2,749.33
4		4		4		4	5,014.93	4	4,666.26	4	4,293.37	4	3,905.61	4	3,517.53	4	3,129.39	4	2,741.25
1/4		1/4		1/4		1/4	5,007.93	1/4	4,658.73	1/4	4,285.36	1/4	3,897.53	1/4	3,509.44	1/4	3,121.31	1/4	2,733.16
1/2		1/2		1/2		1/2	5,000.94	1/2	4,651.20	1/2	4,277.35	1/2	3,889.44	1/2	3,501.36	1/2	3,113.22	1/2	2,725.07
3/4		3/4		3/4		3/4	4,993.90	3/4	4,643.64	3/4	4,269.30	3/4	3,881.36	3/4	3,493.27	3/4	3,105.13	3/4	2,716.99
5		5		5		5	4,986.86	5	4,636.07	5	4,261.25	5	3,873.27	5	3,485.19	5	3,097.05	5	2,708.90
1/4		1/4		1/4		1/4	4,979.82	1/4	4,628.50	1/4	4,253.20	1/4	3,865.19	1/4	3,477.10	1/4	3,088.96	1/4	2,700.81
1/2		1/2		1/2		1/2	4,972.79	1/2	4,620.93	1/2	4,245.15	1/2	3,857.10	1/2	3,469.02	1/2	3,080.87	1/2	2,692.73
3/4		3/4		3/4		3/4	4,965.71	3/4	4,613.33	3/4	4,237.08	3/4	3,849.02	3/4	3,460.93	3/4	3,072.79	3/4	2,684.64
6		6		6		6	4,958.63	6	4,605.72	6	4,229.00	6	3,840.93	6	3,452.85	6	3,064.70	6	2,676.55
1/4		1/4		1/4		1/4	4,951.55	1/4	4,598.11	1/4	4,220.92	1/4	3,832.85	1/4	3,444.76	1/4	3,056.62	1/4	2,668.47
1/2		1/2		1/2		1/2	4,944.48	1/2	4,590.50	1/2	4,212.85	1/2	3,824.76	1/2	3,436.68	1/2	3,048.53	1/2	2,660.38
3/4		3/4		3/4		3/4	5,283.94	3/4	4,937.36	3/4	4,582.86	3/4	4,204.76	3/4	3,816.68	3/4	3,428.59	3/4	3,040.44
7		7		7		7	4,930.24	7	4,575.21	7	4,196.68	7	3,808.59	7	3,420.50	7	3,032.36	7	2,644.21
1/4		1/4		1/4		1/4	5,272.45	1/4	4,923.12	1/4	4,567.56	1/4	4,188.59	1/4	3,800.51	1/4	3,412.42	1/4	3,024.27
1/2		1/2		1/2		1/2	5,266.70	1/2	4,916.01	1/2	4,559.91	1/2	4,180.51	1/2	3,792.42	1/2	3,404.33	1/2	3,016.18
3/4		3/4		3/4		3/4	5,259.48	3/4	4,908.85	3/4	4,552.23	3/4	4,172.42	3/4	3,784.34	3/4	3,396.24	3/4	3,008.10
8		8		8		8	5,252.26	8	4,901.69	8	4,544.54	8	4,164.34	8	3,776.25	8	3,388.16	8	3,000.01
1/4		1/4		1/4		1/4	5,245.04	1/4	4,894.53	1/4	4,536.85	1/4	4,156.25	1/4	3,768.17	1/4	3,380.07	1/4	2,991.92
1/2		1/2		1/2		1/2	5,237.83	1/2	4,887.37	1/2	4,529.16	1/2	4,148.16	1/2	3,760.08	1/2	3,371.99	1/2	2,983.84
3/4		3/4		3/4		3/4	5,229.87	3/4	4,880.18	3/4	4,521.43	3/4	4,140.08	3/4	3,752.00	3/4	3,363.90	3/4	2,975.75
9		9		9		9	5,221.92	9	4,872.98	9	4,513.71	9	4,131.99	9	3,743.91	9	3,355.81	9	2,967.66
1/4		1/4		1/4		1/4	5,213.97	1/4	4,865.78	1/4	4,505.98	1/4	4,123.91	1/4	3,735.82	1/4	3,347.73	1/4	2,959.58
1/2		1/2		1/2		1/2	5,206.02	1/2	4,858.58	1/2	4,498.25	1/2	4,115.82	1/2	3,727.74	1/2	3,339.64	1/2	2,951.49
3/4		3/4		3/4		3/4	5,197.98	3/4	4,851.30	3/4	4,490.48	3/4	4,107.74	3/4	3,719.65	3/4	3,331.55	3/4	2,943.41
10		10		10		10	5,189.94	10	4,844.01	10	4,482.71	10	4,099.65	10	3,711.57	10	3,323.47	10	2,935.32
1/4		1/4		1/4		1/4	5,181.90	1/4	4,836.72	1/4	4,474.94	1/4	4,091.57	1/4	3,703.48	1/4	3,315.38	1/4	2,927.23
1/2		1/2		1/2		1/2	5,173.86	1/2	4,829.44	1/2	4,467.17	1/2	4,083.48	1/2	3,695.40	1/2	3,307.29	1/2	2,919.15
3/4		3/4		3/4		3/4	5,165.83	3/4	4,822.11	3/4	4,459.37	3/4	4,075.40	3/4	3,687.31	3/4	3,299.21	3/4	2,911.06
11		11		11		11	5,157.79	11	4,814.79	11	4,451.56	11	4,067.31	11	3,679.23	11	3,291.12	11	2,902.97
1/4		1/4		1/4		1/4	5,149.75	1/4	4,807.46	1/4	4,443.75	1/4	4,059.23	1/4	3,671.14	1/4	3,283.03	1/4	2,894.89
1/2		1/2		1/2		1/2	5,141.71	1/2	4,800.14	1/2	4,435.94	1/2	4,051.14	1/2	3,663.06	1/2	3,274.95	1/2	2,886.80
3/4		3/4		3/4		3/4	5,134.27	3/4	4,792.77	3/4	4,428.09	3/4	4,043.06	3/4	3,654.97	3/4	3,266.86	3/4	2,878.71

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 WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD

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



BARGE "EMS 392"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-5"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,482.90	0	2,094.88	0	1,706.87	0	1,318.86	0	930.84	0	556.85	0	170.12	0		0		0	
1/4	2,474.81	1/4	2,086.80	1/4	1,698.79	1/4	1,310.77	1/4	922.76	1/4	549.08	1/4	162.03	1/4		1/4		1/4	
1/2	2,466.73	1/2	2,078.72	1/2	1,690.70	1/2	1,302.69	1/2	914.68	1/2	541.31	1/2	153.95	1/2		1/2		1/2	
3/4	2,458.65	3/4	2,070.63	3/4	1,682.62	3/4	1,294.61	3/4	906.59	3/4	533.54	3/4	145.87	3/4		3/4		3/4	
1	2,450.56	1	2,062.55	1	1,674.54	1	1,286.52	1	898.51	1	525.76	1	137.78	1		1		1	
1/4	2,442.48	1/4	2,054.47	1/4	1,666.45	1/4	1,278.44	1/4	890.73	1/4	517.68	1/4	129.70	1/4		1/4		1/4	
1/2	2,434.39	1/2	2,046.38	1/2	1,658.37	1/2	1,270.36	1/2	882.95	1/2	509.60	1/2	121.62	1/2		1/2		1/2	
3/4	2,426.31	3/4	2,038.30	3/4	1,650.29	3/4	1,262.27	3/4	875.18	3/4	501.52	3/4	113.54	3/4		3/4		3/4	
2	2,418.23	2	2,030.21	2	1,642.20	2	1,254.19	2	867.40	2	493.43	2	105.45	2		2		2	
1/4	2,410.14	1/4	2,022.13	1/4	1,634.12	1/4	1,246.11	1/4	859.62	1/4	485.35	1/4	97.37	1/4		1/4		1/4	
1/2	2,402.06	1/2	2,014.05	1/2	1,626.03	1/2	1,238.02	1/2	851.84	1/2	477.27	1/2	89.29	1/2		1/2		1/2	
3/4	2,393.98	3/4	2,005.96	3/4	1,617.95	3/4	1,229.94	3/4	844.06	3/4	469.18	3/4	81.20	3/4		3/4		3/4	
3	2,385.89	3	1,997.88	3	1,609.87	3	1,221.85	3	836.29	3	461.10	3	73.12	3		3		3	
1/4	2,377.81	1/4	1,989.80	1/4	1,601.78	1/4	1,213.77	1/4	828.51	1/4	453.02	1/4	65.33	1/4		1/4		1/4	
1/2	2,369.73	1/2	1,981.71	1/2	1,593.70	1/2	1,205.69	1/2	820.74	1/2	444.93	1/2	57.53	1/2		1/2		1/2	
3/4	2,361.64	3/4	1,973.63	3/4	1,585.62	3/4	1,197.60	3/4	812.97	3/4	436.85	3/4	49.74	3/4		3/4		3/4	
4	2,353.56	4	1,965.55	4	1,577.53	4	1,189.52	4	805.20	4	428.77	4	41.94	4		4		4	
1/4	2,345.47	1/4	1,957.46	1/4	1,569.45	1/4	1,181.44	1/4	797.44	1/4	420.69	1/4	36.17	1/4		1/4		1/4	
1/2	2,337.39	1/2	1,949.38	1/2	1,561.37	1/2	1,173.35	1/2	789.67	1/2	412.60	1/2	30.40	1/2		1/2		1/2	
3/4	2,329.31	3/4	1,941.29	3/4	1,553.28	3/4	1,165.27	3/4	781.91	3/4	404.52	3/4	24.63	3/4		3/4		3/4	
5	2,321.22	5	1,933.21	5	1,545.20	5	1,157.19	5	774.15	5	396.44	5	18.85	5		5		5	
1/4	2,313.14	1/4	1,925.13	1/4	1,537.11	1/4	1,149.10	1/4	766.39	1/4	388.35	1/4		1/4		1/4		1/4	
1/2	2,305.06	1/2	1,917.04	1/2	1,529.03	1/2	1,141.02	1/2	758.63	1/2	380.27	1/2		1/2		1/2		1/2	
3/4	2,296.97	3/4	1,908.96	3/4	1,520.95	3/4	1,132.93	3/4	750.86	3/4	372.19	3/4		3/4		3/4		3/4	
6	2,288.89	6	1,900.88	6	1,512.86	6	1,124.85	6	743.10	6	364.11	6		6		6		6	
1/4	2,280.81	1/4	1,892.79	1/4	1,504.78	1/4	1,116.77	1/4	735.34	1/4	356.02	1/4		1/4		1/4		1/4	
1/2	2,272.72	1/2	1,884.71	1/2	1,496.70	1/2	1,108.68	1/2	727.58	1/2	347.94	1/2		1/2		1/2		1/2	
3/4	2,264.64	3/4	1,876.63	3/4	1,488.61	3/4	1,100.60	3/4	719.82	3/4	339.86	3/4		3/4		3/4		3/4	
7	2,256.56	7	1,868.54	7	1,480.53	7	1,092.52	7	712.05	7	331.77	7		7		7		7	
1/4	2,248.47	1/4	1,860.46	1/4	1,472.45	1/4	1,084.43	1/4	704.30	1/4	323.69	1/4		1/4		1/4		1/4	
1/2	2,240.39	1/2	1,852.38	1/2	1,464.36	1/2	1,076.35	1/2	696.54	1/2	315.61	1/2		1/2		1/2		1/2	
3/4	2,232.30	3/4	1,844.29	3/4	1,456.28	3/4	1,068.27	3/4	688.78	3/4	307.53	3/4		3/4		3/4		3/4	
8	2,224.22	8	1,836.21	8	1,448.20	8	1,060.18	8	681.02	8	299.44	8		8		8		8	
1/4	2,216.14	1/4	1,828.12	1/4	1,440.11	1/4	1,052.10	1/4	673.27	1/4	291.36	1/4		1/4		1/4		1/4	
1/2	2,208.05	1/2	1,820.04	1/2	1,432.03	1/2	1,044.02	1/2	665.51	1/2	283.28	1/2		1/2		1/2		1/2	
3/4	2,199.97	3/4	1,811.96	3/4	1,423.94	3/4	1,035.93	3/4	657.75	3/4	275.19	3/4		3/4		3/4		3/4	
9	2,191.89	9	1,803.87	9	1,415.86	9	1,027.85	9	649.99	9	267.11	9		9		9		9	
1/4	2,183.80	1/4	1,795.79	1/4	1,407.78	1/4	1,019.76	1/4	642.23	1/4	259.03	1/4		1/4		1/4		1/4	
1/2	2,175.72	1/2	1,787.71	1/2	1,399.69	1/2	1,011.68	1/2	634.47	1/2	250.95	1/2		1/2		1/2		1/2	
3/4	2,167.64	3/4	1,779.62	3/4	1,391.61	3/4	1,003.60	3/4	626.71	3/4	242.86	3/4		3/4		3/4		3/4	
10	2,159.55	10	1,771.54	10	1,383.53	10	995.51	10	618.95	10	234.78	10		10		10		10	
1/4	2,151.47	1/4	1,763.46	1/4	1,375.44	1/4	987.43	1/4	611.19	1/4	226.70	1/4		1/4		1/4		1/4	
1/2	2,143.38	1/2	1,755.37	1/2	1,367.36	1/2	979.35	1/2	603.42	1/2	218.61	1/2		1/2		1/2		1/2	
3/4	2,135.30	3/4	1,747.29	3/4	1,359.28	3/4	971.26	3/4	595.66	3/4	210.53	3/4		3/4		3/4		3/4	
11	2,127.22	11	1,739.20	11	1,351.19	11	963.18	11	587.90	11	202.45	11		11		11		11	
1/4	2,119.13	1/4	1,731.12	1/4	1,343.11	1/4	955.10	1/4	580.14	1/4	194.36	1/4		1/4		1/4		1/4	
1/2	2,111.05	1/2	1,723.04	1/2	1,335.02	1/2	947.01	1/2	572.38	1/2	186.28	1/2		1/2		1/2		1/2	
3/4	2,102.97	3/4	1,714.95	3/4	1,326.94	3/4	938.93	3/4	564.61	3/4	178.20	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2015 SW
CALCULATED: 05/05/2015 CL
PRINTED: 05/05/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

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



BARGE "EMS 392"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

IN	0 FT.		IN	1 FT.		IN	2 FT.		IN	3 FT.		IN	4 FT.		IN	5 FT.		IN	6 FT.		IN	7 FT.		IN	8 FT.		IN	9 FT.		
	0		0			0			0			0			0			0			0			0			0			
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		1/4		1/4		1/4
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		1/2		1/2		1/2
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		3/4		3/4		3/4
1	1		1			1			1			1			1			1			1			1			1			
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		1/4		1/4		1/4
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		1/2		1/2		1/2
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		3/4		3/4		3/4
2	2		2			2			2			2			2			2			2			2			2			
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		1/4		1/4		1/4
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		1/2		1/2		1/2
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		3/4		3/4		3/4
3	3		3			3			3			3			3			3			3			3			3			
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		1/4		1/4		1/4
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		1/2		1/2		1/2
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		3/4		3/4		3/4
4	4		4			4			4			4			4			4			4			4			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		1/4		1/4		1/4		1/4
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		1/2		1/2		1/2
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		3/4		3/4		3/4
5	5		5			5			5			5			5			5			5			5			5			
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		1/4		1/4		1/4
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		1/2		1/2		1/2
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		3/4		3/4		3/4
6	6		6			6			6			6			6			6			6			6			6			
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		1/4		1/4		1/4
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		1/2		1/2		1/2
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		3/4		3/4		3/4
7	7		7		4,617.01	7		4,340.80	7		4,077.44	7		3,792.33	7		3,498.35	7		3,222.84	7		2,922.60	7		2,651.99	7		2,381.67	
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		1/4		1/4		1/4
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		1/2		1/2		1/2
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		3/4		3/4		3/4
8	8		8			8		4,311.67	8		4,048.74	8		3,786.20	8		3,515.29	8		3,252.87	8		2,952.62	8		2,682.21	8		2,411.72	
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		1/4		1/4		1/4
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		1/2		1/2		1/2
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		3/4		3/4		3/4
9	9		9			9		4,311.67	9		4,048.74	9		3,786.20	9		3,515.29	9		3,252.87	9		2,952.62	9		2,682.21	9		2,411.72	
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		1/4		1/4		1/4
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		1/2		1/2		1/2
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		3/4		3/4		3/4
10	10		10			10		4,311.67	10		4,048.74	10		3,786.20	10		3,515.29	10		3,252.87	10		2,952.62	10		2,682.21	10		2,411.72	
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		1/4		1/4		1/4
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		1/2		1/2		1/2
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		3/4		3/4		3/4
11	11		11			11		4,311.67	11		4,048.74	11		3,786.20	11		3,515.29	11		3,252.87	11		2,952.62	11		2,682.21	11		2,411.72	
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		1/4		1/4		1/4
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		1/2		1/2		1/2
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		3/4		3/4		3/4

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 WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD

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





BARGE "EMS 392"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,291.51	0	1,931.32	0	1,571.38	0	1,210.89	0	850.60	0	503.28	0	143.15	0		0		0	
1/4	2,283.99	1/4	1,923.83	1/4	1,563.87	1/4	1,203.38	1/4	843.10	1/4	496.04	1/4	135.63	1/4		1/4		1/4	
1/2	2,276.48	1/2	1,916.34	1/2	1,556.36	1/2	1,195.87	1/2	835.60	1/2	488.81	1/2	128.12	1/2		1/2		1/2	
3/4	2,268.96	3/4	1,908.85	3/4	1,548.85	3/4	1,188.36	3/4	828.37	3/4	481.30	3/4	120.61	3/4		3/4		3/4	
1	2,261.45	1	1,901.36	1	1,541.34	1	1,180.85	1	821.15	1	473.78	1	113.09	1		1		1	
1/4	2,253.94	1/4	1,893.86	1/4	1,533.83	1/4	1,173.34	1/4	813.93	1/4	466.27	1/4	105.58	1/4		1/4		1/4	
1/2	2,246.42	1/2	1,886.37	1/2	1,526.32	1/2	1,165.83	1/2	806.70	1/2	458.75	1/2	98.06	1/2		1/2		1/2	
3/4	2,238.91	3/4	1,878.88	3/4	1,518.81	3/4	1,158.32	3/4	799.48	3/4	451.24	3/4	90.55	3/4		3/4		3/4	
2	2,231.40	2	1,871.39	2	1,511.30	2	1,150.81	2	792.25	2	443.72	2	83.03	2		2		2	
1/4	2,223.88	1/4	1,863.90	1/4	1,503.79	1/4	1,143.30	1/4	785.03	1/4	436.21	1/4	75.52	1/4		1/4		1/4	
1/2	2,216.37	1/2	1,856.41	1/2	1,496.28	1/2	1,135.79	1/2	777.81	1/2	428.70	1/2	68.00	1/2		1/2		1/2	
3/4	2,208.86	3/4	1,848.92	3/4	1,488.77	3/4	1,128.28	3/4	770.57	3/4	421.18	3/4	60.76	3/4		3/4		3/4	
3	2,201.34	3	1,841.43	3	1,481.26	3	1,120.77	3	763.34	3	413.67	3	53.51	3		3		3	
1/4	2,193.83	1/4	1,833.94	1/4	1,473.75	1/4	1,113.26	1/4	756.10	1/4	406.15	1/4	46.27	1/4		1/4		1/4	
1/2	2,186.32	1/2	1,826.45	1/2	1,466.24	1/2	1,105.75	1/2	748.87	1/2	398.64	1/2	39.02	1/2		1/2		1/2	
3/4	2,178.80	3/4	1,818.96	3/4	1,458.73	3/4	1,098.24	3/4	741.65	3/4	391.12	3/4	33.65	3/4		3/4		3/4	
4	2,171.29	4	1,811.47	4	1,451.22	4	1,090.73	4	734.42	4	383.61	4	28.29	4		4		4	
1/4	2,163.78	1/4	1,803.98	1/4	1,443.71	1/4	1,083.22	1/4	727.20	1/4	376.09	1/4	22.92	1/4		1/4		1/4	
1/2	2,156.26	1/2	1,796.49	1/2	1,436.20	1/2	1,075.71	1/2	719.97	1/2	368.58	1/2	17.56	1/2		1/2		1/2	
3/4	2,148.75	3/4	1,789.00	3/4	1,428.69	3/4	1,068.20	3/4	712.75	3/4	361.07	3/4		3/4		3/4		3/4	
5	2,141.24	5	1,781.51	5	1,421.18	5	1,060.69	5	705.53	5	353.55	5		5		5		5	
1/4	2,133.72	1/4	1,774.02	1/4	1,413.67	1/4	1,053.18	1/4	698.30	1/4	346.04	1/4		1/4		1/4		1/4	
1/2	2,126.21	1/2	1,766.53	1/2	1,406.16	1/2	1,045.67	1/2	691.08	1/2	338.52	1/2		1/2		1/2		1/2	
3/4	2,118.69	3/4	1,759.04	3/4	1,398.65	3/4	1,038.16	3/4	683.85	3/4	331.01	3/4		3/4		3/4		3/4	
6	2,111.18	6	1,751.55	6	1,391.14	6	1,030.65	6	676.63	6	323.49	6		6		6		6	
1/4	2,103.67	1/4	1,744.05	1/4	1,383.63	1/4	1,023.14	1/4	669.41	1/4	315.98	1/4		1/4		1/4		1/4	
1/2	2,096.15	1/2	1,736.56	1/2	1,376.12	1/2	1,015.63	1/2	662.18	1/2	308.47	1/2		1/2		1/2		1/2	
3/4	2,088.65	3/4	1,729.06	3/4	1,368.61	3/4	1,008.12	3/4	654.96	3/4	300.95	3/4		3/4		3/4		3/4	
7	2,081.15	7	1,721.56	7	1,361.10	7	1,000.62	7	647.74	7	293.44	7		7		7		7	
1/4	2,073.65	1/4	1,714.06	1/4	1,353.59	1/4	993.12	1/4	640.52	1/4	285.92	1/4		1/4		1/4		1/4	
1/2	2,066.15	1/2	1,706.56	1/2	1,346.07	1/2	985.62	1/2	633.31	1/2	278.41	1/2		1/2		1/2		1/2	
3/4	2,058.66	3/4	1,699.05	3/4	1,338.56	3/4	978.12	3/4	626.09	3/4	270.89	3/4		3/4		3/4		3/4	
8	2,051.17	8	1,691.54	8	1,331.05	8	970.62	8	618.87	8	263.38	8		8		8		8	
1/4	2,043.67	1/4	1,684.03	1/4	1,323.54	1/4	963.12	1/4	611.65	1/4	255.86	1/4		1/4		1/4		1/4	
1/2	2,036.18	1/2	1,676.52	1/2	1,316.03	1/2	955.62	1/2	604.43	1/2	248.35	1/2		1/2		1/2		1/2	
3/4	2,028.69	3/4	1,669.01	3/4	1,308.52	3/4	948.12	3/4	597.20	3/4	240.84	3/4		3/4		3/4		3/4	
9	2,021.20	9	1,661.50	9	1,301.01	9	940.61	9	589.98	9	233.32	9		9		9		9	
1/4	2,013.71	1/4	1,653.99	1/4	1,293.50	1/4	933.11	1/4	582.76	1/4	225.81	1/4		1/4		1/4		1/4	
1/2	2,006.22	1/2	1,646.48	1/2	1,285.99	1/2	925.61	1/2	575.53	1/2	218.29	1/2		1/2		1/2		1/2	
3/4	1,998.73	3/4	1,638.97	3/4	1,278.48	3/4	918.11	3/4	568.31	3/4	210.78	3/4		3/4		3/4		3/4	
10	1,991.24	10	1,631.46	10	1,270.97	10	910.61	10	561.08	10	203.26	10		10		10		10	
1/4	1,983.75	1/4	1,623.95	1/4	1,263.46	1/4	903.11	1/4	553.86	1/4	195.75	1/4		1/4		1/4		1/4	
1/2	1,976.26	1/2	1,616.44	1/2	1,255.95	1/2	895.61	1/2	546.64	1/2	188.23	1/2		1/2		1/2		1/2	
3/4	1,968.77	3/4	1,608.93	3/4	1,248.44	3/4	888.11	3/4	539.41	3/4	180.72	3/4		3/4		3/4		3/4	
11	1,961.28	11	1,601.42	11	1,240.93	11	880.60	11	532.19	11	173.21	11		11		11		11	
1/4	1,953.79	1/4	1,593.91	1/4	1,233.42	1/4	873.10	1/4	524.97	1/4	165.69	1/4		1/4		1/4		1/4	
1/2	1,946.30	1/2	1,586.40	1/2	1,225.91	1/2	865.60	1/2	517.74	1/2	158.18	1/2		1/2		1/2		1/2	
3/4	1,938.81	3/4	1,578.89	3/4	1,218.40	3/4	858.10	3/4	510.51	3/4	150.66	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2015 SW
CALCULATED: 05/05/2015 CL
PRINTED: 05/05/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

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



BARGE "EMS 392"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	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	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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 WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT & ANALYSIS, INC.

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



BARGE "EMS 392"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,295.47	0	1,936.88	0	1,579.12	0	1,219.23	0	859.34	0	509.78	0	150.44	0		0		0	
1/4	2,287.96	1/4	1,929.45	1/4	1,571.62	1/4	1,211.73	1/4	851.84	1/4	502.51	1/4	142.94	1/4		1/4		1/4	
1/2	2,280.46	1/2	1,922.03	1/2	1,564.12	1/2	1,204.23	1/2	844.34	1/2	495.23	1/2	135.44	1/2		1/2		1/2	
3/4	2,272.96	3/4	1,914.60	3/4	1,556.62	3/4	1,196.74	3/4	836.85	3/4	487.96	3/4	127.94	3/4		3/4		3/4	
1	2,265.46	1	1,907.18	1	1,549.13	1	1,189.24	1	829.57	1	480.46	1	120.44	1		1		1	
1/4	2,257.96	1/4	1,899.76	1/4	1,541.63	1/4	1,181.74	1/4	822.29	1/4	472.96	1/4	112.94	1/4		1/4		1/4	
1/2	2,250.46	1/2	1,892.33	1/2	1,534.13	1/2	1,174.24	1/2	815.02	1/2	465.46	1/2	105.44	1/2		1/2		1/2	
3/4	2,242.96	3/4	1,884.91	3/4	1,526.63	3/4	1,166.74	3/4	807.74	3/4	457.96	3/4	97.94	3/4		3/4		3/4	
2	2,235.46	2	1,877.48	2	1,519.14	2	1,159.25	2	800.46	2	450.46	2	90.44	2		2		2	
1/4	2,227.96	1/4	1,870.06	1/4	1,511.64	1/4	1,151.75	1/4	793.19	1/4	442.96	1/4	82.94	1/4		1/4		1/4	
1/2	2,220.46	1/2	1,862.63	1/2	1,504.14	1/2	1,144.25	1/2	785.91	1/2	435.46	1/2	75.44	1/2		1/2		1/2	
3/4	2,212.95	3/4	1,855.21	3/4	1,496.64	3/4	1,136.75	3/4	778.64	3/4	427.96	3/4	67.94	3/4		3/4		3/4	
3	2,205.45	3	1,847.79	3	1,489.15	3	1,129.26	3	771.36	3	420.46	3	60.70	3		3		3	
1/4	2,197.95	1/4	1,840.36	1/4	1,481.65	1/4	1,121.76	1/4	764.08	1/4	412.96	1/4	53.47	1/4		1/4		1/4	
1/2	2,190.45	1/2	1,832.94	1/2	1,474.15	1/2	1,114.26	1/2	756.81	1/2	405.45	1/2	46.24	1/2		1/2		1/2	
3/4	2,182.95	3/4	1,825.51	3/4	1,466.65	3/4	1,106.76	3/4	749.53	3/4	397.95	3/4	39.01	3/4		3/4		3/4	
4	2,175.45	4	1,818.09	4	1,459.15	4	1,099.27	4	742.26	4	390.45	4	33.64	4		4		4	
1/4	2,167.95	1/4	1,810.67	1/4	1,451.66	1/4	1,091.77	1/4	735.00	1/4	382.95	1/4	28.28	1/4		1/4		1/4	
1/2	2,160.45	1/2	1,803.24	1/2	1,444.16	1/2	1,084.27	1/2	727.73	1/2	375.45	1/2	22.91	1/2		1/2		1/2	
3/4	2,152.95	3/4	1,795.82	3/4	1,436.66	3/4	1,076.77	3/4	720.47	3/4	367.95	3/4	17.55	3/4		3/4		3/4	
5	2,145.45	5	1,788.39	5	1,429.16	5	1,069.27	5	713.20	5	360.45	5		5		5		5	
1/4	2,137.94	1/4	1,780.97	1/4	1,421.67	1/4	1,061.78	1/4	705.94	1/4	352.95	1/4		1/4		1/4		1/4	
1/2	2,130.44	1/2	1,773.55	1/2	1,414.17	1/2	1,054.28	1/2	698.67	1/2	345.45	1/2		1/2		1/2		1/2	
3/4	2,122.94	3/4	1,766.12	3/4	1,406.67	3/4	1,046.78	3/4	691.40	3/4	337.95	3/4		3/4		3/4		3/4	
6	2,115.44	6	1,758.70	6	1,399.17	6	1,039.28	6	684.14	6	330.45	6		6		6		6	
1/4	2,107.94	1/4	1,751.27	1/4	1,391.68	1/4	1,031.79	1/4	676.87	1/4	322.95	1/4		1/4		1/4		1/4	
1/2	2,100.44	1/2	1,743.85	1/2	1,384.18	1/2	1,024.29	1/2	669.61	1/2	315.45	1/2		1/2		1/2		1/2	
3/4	2,092.94	3/4	1,736.42	3/4	1,376.68	3/4	1,016.79	3/4	662.34	3/4	307.95	3/4		3/4		3/4		3/4	
7	2,085.48	7	1,728.96	7	1,369.18	7	1,009.29	7	655.08	7	300.45	7		7		7		7	
1/4	2,078.01	1/4	1,721.50	1/4	1,361.68	1/4	1,001.80	1/4	647.82	1/4	292.95	1/4		1/4		1/4		1/4	
1/2	2,070.55	1/2	1,714.04	1/2	1,354.19	1/2	994.30	1/2	640.56	1/2	285.45	1/2		1/2		1/2		1/2	
3/4	2,063.09	3/4	1,706.58	3/4	1,346.69	3/4	986.80	3/4	633.29	3/4	277.95	3/4		3/4		3/4		3/4	
8	2,055.66	8	1,699.08	8	1,339.19	8	979.30	8	626.03	8	270.45	8		8		8		8	
1/4	2,048.24	1/4	1,691.58	1/4	1,331.69	1/4	971.80	1/4	618.77	1/4	262.95	1/4		1/4		1/4		1/4	
1/2	2,040.81	1/2	1,684.09	1/2	1,324.20	1/2	964.31	1/2	611.51	1/2	255.45	1/2		1/2		1/2		1/2	
3/4	2,033.39	3/4	1,676.59	3/4	1,316.70	3/4	956.81	3/4	604.25	3/4	247.95	3/4		3/4		3/4		3/4	
9	2,025.96	9	1,669.09	9	1,309.20	9	949.31	9	596.98	9	240.45	9		9		9		9	
1/4	2,018.54	1/4	1,661.59	1/4	1,301.70	1/4	941.81	1/4	589.72	1/4	232.95	1/4		1/4		1/4		1/4	
1/2	2,011.12	1/2	1,654.10	1/2	1,294.21	1/2	934.32	1/2	582.45	1/2	225.45	1/2		1/2		1/2		1/2	
3/4	2,003.69	3/4	1,646.60	3/4	1,286.71	3/4	926.82	3/4	575.19	3/4	217.94	3/4		3/4		3/4		3/4	
10	1,996.27	10	1,639.10	10	1,279.21	10	919.32	10	567.92	10	210.44	10		10		10		10	
1/4	1,988.84	1/4	1,631.60	1/4	1,271.71	1/4	911.82	1/4	560.65	1/4	202.94	1/4		1/4		1/4		1/4	
1/2	1,981.42	1/2	1,624.10	1/2	1,264.21	1/2	904.33	1/2	553.39	1/2	195.44	1/2		1/2		1/2		1/2	
3/4	1,974.00	3/4	1,616.61	3/4	1,256.72	3/4	896.83	3/4	546.12	3/4	187.94	3/4		3/4		3/4		3/4	
11	1,966.57	11	1,609.11	11	1,249.22	11	889.33	11	538.86	11	180.44	11		11		11		11	
1/4	1,959.15	1/4	1,601.61	1/4	1,241.72	1/4	881.83	1/4	531.59	1/4	172.94	1/4		1/4		1/4		1/4	
1/2	1,951.72	1/2	1,594.11	1/2	1,234.22	1/2	874.33	1/2	524.33	1/2	165.44	1/2		1/2		1/2		1/2	
3/4	1,944.30	3/4	1,586.62	3/4	1,226.73	3/4	866.84	3/4	517.06	3/4	157.94	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2015 SW
CALCULATED: 05/05/2015 CL
PRINTED: 05/05/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

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