



BARGE "EMS 383"

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

(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"

April 22, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 383"

1 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	3,148.22	0	3,479.73	0	3,811.23	0	4,141.93	0		0		0		0		0		0	
1/4	3,155.13	1/4	3,486.63	1/4	3,818.13	1/4	4,148.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,162.04	1/2	3,493.54	1/2	3,825.04	1/2	4,155.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,168.94	3/4	3,500.44	3/4	3,831.95	3/4	4,162.52	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,175.85	1	3,507.35	1	3,838.85	1	4,169.39	1		1		1		1		1		1	
1/4	3,182.75	1/4	3,514.26	1/4	3,845.76	1/4	4,176.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,189.66	1/2	3,521.16	1/2	3,852.67	1/2	4,183.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,196.57	3/4	3,528.07	3/4	3,859.57	3/4	4,189.99	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,203.47	2	3,534.98	2	3,866.48	2	4,196.85	2		2		2		2		2		2	
1/4	3,210.38	1/4	3,541.88	1/4	3,873.38	1/4	4,203.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,217.29	1/2	3,548.79	1/2	3,880.29	1/2	4,210.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,224.19	3/4	3,555.69	3/4	3,887.20	3/4	4,217.45	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,231.10	3	3,562.60	3	3,894.10	3	4,224.32	3		3		3		3		3		3	
1/4	3,238.00	1/4	3,569.51	1/4	3,901.01	1/4	4,231.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,244.91	1/2	3,576.41	1/2	3,907.92	1/2	4,238.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,251.82	3/4	3,583.32	3/4	3,914.82	3/4	4,244.92	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,258.72	4	3,590.23	4	3,921.73	4	4,251.78	4		4		4		4		4		4	
1/4	3,265.63	1/4	3,597.13	1/4	3,928.63	1/4	4,258.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,272.54	1/2	3,604.04	1/2	3,935.54	1/2	4,265.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,279.44	3/4	3,610.94	3/4	3,942.45	3/4	4,272.38	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,286.35	5	3,617.85	5	3,949.35	5	4,279.25	5		5		5		5		5		5	
1/4	3,293.25	1/4	3,624.76	1/4	3,956.26	1/4	4,286.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,300.16	1/2	3,631.66	1/2	3,963.17	1/2	4,292.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,307.07	3/4	3,638.57	3/4	3,970.07	3/4	4,299.85	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,313.97	6	3,645.48	6	3,976.98	6	4,306.71	6		6		6		6		6		6	
1/4	3,320.88	1/4	3,652.38	1/4	3,983.88	1/4	4,313.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,327.79	1/2	3,659.29	1/2	3,990.79	1/2	4,320.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,334.69	3/4	3,666.20	3/4	3,997.70	3/4	4,327.31	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,341.60	7	3,673.10	7	4,004.60	7	4,334.18	7		7		7		7		7		7	
1/4	3,348.51	1/4	3,680.01	1/4	4,011.47	1/4	4,340.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,355.41	1/2	3,686.91	1/2	4,018.34	1/2	4,347.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,362.32	3/4	3,693.82	3/4	4,025.20	3/4	4,354.55	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,369.22	8	3,700.73	8	4,032.07	8	4,361.34	8		8		8		8		8		8	
1/4	3,376.13	1/4	3,707.63	1/4	4,038.93	1/4	4,367.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,383.04	1/2	3,714.54	1/2	4,045.80	1/2	4,374.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,389.94	3/4	3,721.45	3/4	4,052.67	3/4	4,380.67	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,396.85	9	3,728.35	9	4,059.53	9	4,387.11	9		9		9		9		9		9	
1/4	3,403.76	1/4	3,735.26	1/4	4,066.40	1/4	4,393.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,410.66	1/2	3,742.16	1/2	4,073.26	1/2	4,397.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,417.57	3/4	3,749.07	3/4	4,080.13	3/4	4,402.78	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,424.47	10	3,755.98	10	4,087.00	10		10		10		10		10		10		10	
1/4	3,431.38	1/4	3,762.88	1/4	4,093.86	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,438.29	1/2	3,769.79	1/2	4,100.73	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,445.19	3/4	3,776.70	3/4	4,107.60	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,452.10	11	3,783.60	11	4,114.46	11		11		11		11		11		11		11	
1/4	3,459.01	1/4	3,790.51	1/4	4,121.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,465.91	1/2	3,797.41	1/2	4,128.19	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,472.82	3/4	3,804.32	3/4	4,135.06	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/21/2013 CL - SW
CALCULATED: 03/21/2013 CL
REPRINTED: 04/22/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "EMS 383"

**1 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,149.66	0	3,481.16	0	3,812.66	0	4,143.36	0		0		0		0		0		0	
1/4	3,156.57	1/4	3,488.06	1/4	3,819.56	1/4	4,150.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,163.47	1/2	3,494.97	1/2	3,826.47	1/2	4,157.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,170.38	3/4	3,501.88	3/4	3,833.37	3/4	4,163.96	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,177.29	1	3,508.78	1	3,840.28	1	4,170.82	1		1		1		1		1		1	
1/4	3,184.19	1/4	3,515.69	1/4	3,847.19	1/4	4,177.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,191.10	1/2	3,522.60	1/2	3,854.09	1/2	4,184.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,198.00	3/4	3,529.50	3/4	3,861.00	3/4	4,191.42	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,204.91	2	3,536.41	2	3,867.91	2	4,198.29	2		2		2		2		2		2	
1/4	3,211.82	1/4	3,543.31	1/4	3,874.81	1/4	4,205.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,218.72	1/2	3,550.22	1/2	3,881.72	1/2	4,212.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,225.63	3/4	3,557.13	3/4	3,888.62	3/4	4,218.89	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,232.54	3	3,564.03	3	3,895.53	3	4,225.75	3		3		3		3		3		3	
1/4	3,239.44	1/4	3,570.94	1/4	3,902.44	1/4	4,232.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,246.35	1/2	3,577.85	1/2	3,909.34	1/2	4,239.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,253.25	3/4	3,584.75	3/4	3,916.25	3/4	4,246.35	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,260.16	4	3,591.66	4	3,923.16	4	4,253.22	4		4		4		4		4		4	
1/4	3,267.07	1/4	3,598.56	1/4	3,930.06	1/4	4,260.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,273.97	1/2	3,605.47	1/2	3,936.97	1/2	4,266.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,280.88	3/4	3,612.38	3/4	3,943.87	3/4	4,273.82	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,287.78	5	3,619.28	5	3,950.78	5	4,280.69	5		5		5		5		5		5	
1/4	3,294.69	1/4	3,626.19	1/4	3,957.69	1/4	4,287.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,301.60	1/2	3,633.09	1/2	3,964.59	1/2	4,294.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,308.50	3/4	3,640.00	3/4	3,971.50	3/4	4,301.28	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,315.41	6	3,646.91	6	3,978.40	6	4,308.15	6		6		6		6		6		6	
1/4	3,322.32	1/4	3,653.81	1/4	3,985.31	1/4	4,315.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,329.22	1/2	3,660.72	1/2	3,992.22	1/2	4,321.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,336.13	3/4	3,667.63	3/4	3,999.12	3/4	4,328.75	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,343.03	7	3,674.53	7	4,006.03	7	4,335.62	7		7		7		7		7		7	
1/4	3,349.94	1/4	3,681.44	1/4	4,012.90	1/4	4,342.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,356.85	1/2	3,688.34	1/2	4,019.76	1/2	4,349.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,363.75	3/4	3,695.25	3/4	4,026.63	3/4	4,355.99	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,370.66	8	3,702.16	8	4,033.50	8	4,362.79	8		8		8		8		8		8	
1/4	3,377.57	1/4	3,709.06	1/4	4,040.36	1/4	4,369.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,384.47	1/2	3,715.97	1/2	4,047.23	1/2	4,375.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,391.38	3/4	3,722.88	3/4	4,054.09	3/4	4,382.11	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,398.28	9	3,729.78	9	4,060.96	9	4,388.55	9		9		9		9		9		9	
1/4	3,405.19	1/4	3,736.69	1/4	4,067.83	1/4	4,393.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,412.10	1/2	3,743.59	1/2	4,074.69	1/2	4,399.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,419.00	3/4	3,750.50	3/4	4,081.56	3/4	4,404.22	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,425.91	10	3,757.41	10	4,088.43	10		10		10		10		10		10		10	
1/4	3,432.81	1/4	3,764.31	1/4	4,095.29	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,439.72	1/2	3,771.22	1/2	4,102.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,446.63	3/4	3,778.12	3/4	4,109.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,453.53	11	3,785.03	11	4,115.89	11		11		11		11		11		11		11	
1/4	3,460.44	1/4	3,791.94	1/4	4,122.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,467.35	1/2	3,798.84	1/2	4,129.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,474.25	3/4	3,805.75	3/4	4,136.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/21/2013 CL - SW
CALCULATED: 03/21/2013 CL
REPRINTED: 04/22/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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



BARGE "EMS 383"

2 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	3,874.51	0	4,262.60	0	4,650.68	0	5,037.83	0		0		0		0		0		0	
1/4	3,882.60	1/4	4,270.68	1/4	4,658.77	1/4	5,045.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,890.68	1/2	4,278.77	1/2	4,666.85	1/2	5,053.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,898.77	3/4	4,286.85	3/4	4,674.94	3/4	5,061.95	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,906.86	1	4,294.94	1	4,683.02	1	5,069.99	1		1		1		1		1		1	
1/4	3,914.94	1/4	4,303.02	1/4	4,691.11	1/4	5,078.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,923.03	1/2	4,311.11	1/2	4,699.19	1/2	5,086.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,931.11	3/4	4,319.20	3/4	4,707.28	3/4	5,094.10	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,939.20	2	4,327.28	2	4,715.37	2	5,102.14	2		2		2		2		2		2	
1/4	3,947.28	1/4	4,335.37	1/4	4,723.45	1/4	5,110.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,955.37	1/2	4,343.45	1/2	4,731.54	1/2	5,118.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,963.45	3/4	4,351.54	3/4	4,739.62	3/4	5,126.25	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,971.54	3	4,359.62	3	4,747.71	3	5,134.29	3		3		3		3		3		3	
1/4	3,979.62	1/4	4,367.71	1/4	4,755.79	1/4	5,142.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,987.71	1/2	4,375.79	1/2	4,763.88	1/2	5,150.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,995.79	3/4	4,383.88	3/4	4,771.96	3/4	5,158.41	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,003.88	4	4,391.96	4	4,780.05	4	5,166.45	4		4		4		4		4		4	
1/4	4,011.96	1/4	4,400.05	1/4	4,788.13	1/4	5,174.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,020.05	1/2	4,408.13	1/2	4,796.22	1/2	5,182.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,028.13	3/4	4,416.22	3/4	4,804.30	3/4	5,190.56	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,036.22	5	4,424.30	5	4,812.39	5	5,198.60	5		5		5		5		5		5	
1/4	4,044.30	1/4	4,432.39	1/4	4,820.47	1/4	5,206.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,052.39	1/2	4,440.47	1/2	4,828.56	1/2	5,214.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,060.47	3/4	4,448.56	3/4	4,836.64	3/4	5,222.71	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,068.56	6	4,456.64	6	4,844.73	6	5,230.75	6		6		6		6		6		6	
1/4	4,076.64	1/4	4,464.73	1/4	4,852.81	1/4	5,238.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,084.73	1/2	4,472.81	1/2	4,860.90	1/2	5,246.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,092.81	3/4	4,480.90	3/4	4,868.98	3/4	5,254.87	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,100.90	7	4,488.98	7	4,877.07	7	5,262.91	7		7		7		7		7		7	
1/4	4,108.98	1/4	4,497.07	1/4	4,885.11	1/4	5,270.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,117.07	1/2	4,505.15	1/2	4,893.14	1/2	5,278.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,125.15	3/4	4,513.24	3/4	4,901.18	3/4	5,286.76	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,133.24	8	4,521.32	8	4,909.22	8	5,294.71	8		8		8		8		8		8	
1/4	4,141.32	1/4	4,529.41	1/4	4,917.26	1/4	5,302.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,149.41	1/2	4,537.49	1/2	4,925.30	1/2	5,309.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,157.49	3/4	4,545.58	3/4	4,933.34	3/4	5,317.33	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,165.58	9	4,553.66	9	4,941.37	9	5,324.87	9		9		9		9		9		9	
1/4	4,173.66	1/4	4,561.75	1/4	4,949.41	1/4	5,330.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,181.75	1/2	4,569.83	1/2	4,957.45	1/2	5,337.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,189.83	3/4	4,577.92	3/4	4,965.49	3/4	5,343.21	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,197.92	10	4,586.00	10	4,973.53	10		10		10		10		10		10		10	
1/4	4,206.00	1/4	4,594.09	1/4	4,981.56	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,214.09	1/2	4,602.17	1/2	4,989.60	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,222.17	3/4	4,610.26	3/4	4,997.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,230.26	11	4,618.34	11	5,005.68	11		11		11		11		11		11		11	
1/4	4,238.34	1/4	4,626.43	1/4	5,013.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,246.43	1/2	4,634.51	1/2	5,021.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,254.51	3/4	4,642.60	3/4	5,029.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/21/2013 CL - SW
CALCULATED: 03/21/2013 CL
REPRINTED: 04/22/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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



BARGE "EMS 383"

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	3,889.41	0	4,277.50	0	4,665.59	0	5,052.73	0		0		0		0		0		0	
1/4	3,897.50	1/4	4,285.59	1/4	4,673.68	1/4	5,060.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,905.58	1/2	4,293.67	1/2	4,681.76	1/2	5,068.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,913.67	3/4	4,301.76	3/4	4,689.85	3/4	5,076.85	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,921.75	1	4,309.84	1	4,697.93	1	5,084.89	1		1		1		1		1		1	
1/4	3,929.84	1/4	4,317.93	1/4	4,706.02	1/4	5,092.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,937.92	1/2	4,326.01	1/2	4,714.10	1/2	5,100.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,946.01	3/4	4,334.10	3/4	4,722.19	3/4	5,109.00	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,954.09	2	4,342.18	2	4,730.27	2	5,117.04	2		2		2		2		2		2	
1/4	3,962.18	1/4	4,350.27	1/4	4,738.36	1/4	5,125.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,970.26	1/2	4,358.35	1/2	4,746.44	1/2	5,133.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,978.35	3/4	4,366.44	3/4	4,754.53	3/4	5,141.15	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,986.43	3	4,374.52	3	4,762.61	3	5,149.19	3		3		3		3		3		3	
1/4	3,994.52	1/4	4,382.61	1/4	4,770.70	1/4	5,157.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,002.60	1/2	4,390.69	1/2	4,778.78	1/2	5,165.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,010.69	3/4	4,398.78	3/4	4,786.87	3/4	5,173.30	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,018.77	4	4,406.86	4	4,794.95	4	5,181.34	4		4		4		4		4		4	
1/4	4,026.86	1/4	4,414.95	1/4	4,803.04	1/4	5,189.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,034.94	1/2	4,423.03	1/2	4,811.12	1/2	5,197.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,043.03	3/4	4,431.12	3/4	4,819.21	3/4	5,205.45	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,051.11	5	4,439.20	5	4,827.29	5	5,213.49	5		5		5		5		5		5	
1/4	4,059.20	1/4	4,447.29	1/4	4,835.38	1/4	5,221.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,067.29	1/2	4,455.37	1/2	4,843.46	1/2	5,229.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,075.37	3/4	4,463.46	3/4	4,851.55	3/4	5,237.61	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,083.46	6	4,471.55	6	4,859.63	6	5,245.64	6		6		6		6		6		6	
1/4	4,091.54	1/4	4,479.63	1/4	4,867.72	1/4	5,253.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,099.63	1/2	4,487.72	1/2	4,875.81	1/2	5,261.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,107.71	3/4	4,495.80	3/4	4,883.89	3/4	5,269.76	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,115.80	7	4,503.89	7	4,891.98	7	5,277.79	7		7		7		7		7		7	
1/4	4,123.88	1/4	4,511.97	1/4	4,900.01	1/4	5,285.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,131.97	1/2	4,520.06	1/2	4,908.05	1/2	5,293.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,140.05	3/4	4,528.14	3/4	4,916.09	3/4	5,301.65	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,148.14	8	4,536.23	8	4,924.13	8	5,309.60	8		8		8		8		8		8	
1/4	4,156.22	1/4	4,544.31	1/4	4,932.17	1/4	5,317.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,164.31	1/2	4,552.40	1/2	4,940.20	1/2	5,324.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,172.39	3/4	4,560.48	3/4	4,948.24	3/4	5,332.22	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,180.48	9	4,568.57	9	4,956.28	9	5,339.76	9		9		9		9		9		9	
1/4	4,188.56	1/4	4,576.65	1/4	4,964.32	1/4	5,345.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,196.65	1/2	4,584.74	1/2	4,972.35	1/2	5,351.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,204.73	3/4	4,592.82	3/4	4,980.39	3/4	5,358.10	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,212.82	10	4,600.91	10	4,988.43	10		10		10		10		10		10		10	
1/4	4,220.90	1/4	4,608.99	1/4	4,996.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,228.99	1/2	4,617.08	1/2	5,004.51	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,237.07	3/4	4,625.16	3/4	5,012.54	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,245.16	11	4,633.25	11	5,020.58	11		11		11		11		11		11		11	
1/4	4,253.24	1/4	4,641.33	1/4	5,028.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,261.33	1/2	4,649.42	1/2	5,036.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,269.42	3/4	4,657.50	3/4	5,044.70	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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ALL PRIOR TO 04/2013

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



BARGE "EMS 383"

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	3,569.46	0	3,875.52	0	4,181.58	0	4,486.91	0		0		0		0		0		0	
1/4	3,575.83	1/4	3,881.90	1/4	4,187.96	1/4	4,493.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,582.21	1/2	3,888.27	1/2	4,194.34	1/2	4,499.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,588.59	3/4	3,894.65	3/4	4,200.71	3/4	4,505.93	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,594.96	1	3,901.03	1	4,207.09	1	4,512.27	1		1		1		1		1		1	
1/4	3,601.34	1/4	3,907.40	1/4	4,213.46	1/4	4,518.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,607.72	1/2	3,913.78	1/2	4,219.84	1/2	4,524.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,614.09	3/4	3,920.15	3/4	4,226.22	3/4	4,531.29	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,620.47	2	3,926.53	2	4,232.59	2	4,537.63	2		2		2		2		2		2	
1/4	3,626.84	1/4	3,932.91	1/4	4,238.97	1/4	4,543.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,633.22	1/2	3,939.28	1/2	4,245.35	1/2	4,550.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,639.60	3/4	3,945.66	3/4	4,251.72	3/4	4,556.65	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,645.97	3	3,952.04	3	4,258.10	3	4,562.99	3		3		3		3		3		3	
1/4	3,652.35	1/4	3,958.41	1/4	4,264.47	1/4	4,569.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,658.73	1/2	3,964.79	1/2	4,270.85	1/2	4,575.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,665.10	3/4	3,971.16	3/4	4,277.23	3/4	4,582.01	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,671.48	4	3,977.54	4	4,283.60	4	4,588.35	4		4		4		4		4		4	
1/4	3,677.85	1/4	3,983.92	1/4	4,289.98	1/4	4,594.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,684.23	1/2	3,990.29	1/2	4,296.36	1/2	4,601.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,690.61	3/4	3,996.67	3/4	4,302.73	3/4	4,607.37	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,696.98	5	4,003.05	5	4,309.11	5	4,613.71	5		5		5		5		5		5	
1/4	3,703.36	1/4	4,009.42	1/4	4,315.48	1/4	4,620.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,709.74	1/2	4,015.80	1/2	4,321.86	1/2	4,626.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,716.11	3/4	4,022.18	3/4	4,328.24	3/4	4,632.73	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,722.49	6	4,028.55	6	4,334.61	6	4,639.07	6		6		6		6		6		6	
1/4	3,728.87	1/4	4,034.93	1/4	4,340.99	1/4	4,645.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,735.24	1/2	4,041.30	1/2	4,347.37	1/2	4,651.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,741.62	3/4	4,047.68	3/4	4,353.74	3/4	4,658.08	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,747.99	7	4,054.06	7	4,360.12	7	4,664.42	7		7		7		7		7		7	
1/4	3,754.37	1/4	4,060.43	1/4	4,366.46	1/4	4,671.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,760.75	1/2	4,066.81	1/2	4,372.80	1/2	4,679.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,767.12	3/4	4,073.19	3/4	4,379.14	3/4	4,686.61	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,773.50	8	4,079.56	8	4,385.48	8	4,694.01	8		8		8		8		8		8	
1/4	3,779.88	1/4	4,085.94	1/4	4,391.82	1/4	4,701.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,786.25	1/2	4,092.31	1/2	4,398.16	1/2	4,708.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,792.63	3/4	4,098.69	3/4	4,404.50	3/4	4,715.05	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,799.00	9	4,105.07	9	4,410.84	9	4,722.06	9		9		9		9		9		9	
1/4	3,805.38	1/4	4,111.44	1/4	4,417.18	1/4	4,727.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,811.76	1/2	4,117.82	1/2	4,423.52	1/2	4,733.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,818.13	3/4	4,124.20	3/4	4,429.86	3/4	4,739.12	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,824.51	10	4,130.57	10	4,436.20	10		10		10		10		10		10		10	
1/4	3,830.89	1/4	4,136.95	1/4	4,442.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,837.26	1/2	4,143.32	1/2	4,448.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,843.64	3/4	4,149.70	3/4	4,455.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,850.01	11	4,156.08	11	4,461.55	11		11		11		11		11		11		11	
1/4	3,856.39	1/4	4,162.45	1/4	4,467.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,862.77	1/2	4,168.83	1/2	4,474.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,869.14	3/4	4,175.21	3/4	4,480.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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Pearland, Texas 77588
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BARGE "EMS 383"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 3/4"

Table with columns for IN and FT. (0 FT. to 9 FT.) and rows for capacity values. Includes a grid of capacity data for each depth and gauge height.

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" HERMETIC VALVE. GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

Signature of the company representative.



BARGE "EMS 383"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,564.63	0	3,870.68	0	4,176.74	0	4,482.06	0		0		0		0		0		0	
1/4	3,571.01	1/4	3,877.06	1/4	4,183.11	1/4	4,488.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,577.38	1/2	3,883.44	1/2	4,189.49	1/2	4,494.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,583.76	3/4	3,889.81	3/4	4,195.87	3/4	4,501.08	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,590.14	1	3,896.19	1	4,202.24	1	4,507.42	1		1		1		1		1		1	
1/4	3,596.51	1/4	3,902.57	1/4	4,208.62	1/4	4,513.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,602.89	1/2	3,908.94	1/2	4,214.99	1/2	4,520.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,609.26	3/4	3,915.32	3/4	4,221.37	3/4	4,526.44	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,615.64	2	3,921.69	2	4,227.75	2	4,532.78	2		2		2		2		2		2	
1/4	3,622.02	1/4	3,928.07	1/4	4,234.12	1/4	4,539.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,628.39	1/2	3,934.45	1/2	4,240.50	1/2	4,545.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,634.77	3/4	3,940.82	3/4	4,246.87	3/4	4,551.80	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,641.14	3	3,947.20	3	4,253.25	3	4,558.14	3		3		3		3		3		3	
1/4	3,647.52	1/4	3,953.57	1/4	4,259.63	1/4	4,564.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,653.90	1/2	3,959.95	1/2	4,266.00	1/2	4,570.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,660.27	3/4	3,966.33	3/4	4,272.38	3/4	4,577.16	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,666.65	4	3,972.70	4	4,278.76	4	4,583.50	4		4		4		4		4		4	
1/4	3,673.03	1/4	3,979.08	1/4	4,285.13	1/4	4,589.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,679.40	1/2	3,985.45	1/2	4,291.51	1/2	4,596.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,685.78	3/4	3,991.83	3/4	4,297.88	3/4	4,602.52	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,692.15	5	3,998.21	5	4,304.26	5	4,608.86	5		5		5		5		5		5	
1/4	3,698.53	1/4	4,004.58	1/4	4,310.64	1/4	4,615.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,704.91	1/2	4,010.96	1/2	4,317.01	1/2	4,621.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,711.28	3/4	4,017.33	3/4	4,323.39	3/4	4,627.88	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,717.66	6	4,023.71	6	4,329.76	6	4,634.22	6		6		6		6		6		6	
1/4	3,724.03	1/4	4,030.09	1/4	4,336.14	1/4	4,640.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,730.41	1/2	4,036.46	1/2	4,342.52	1/2	4,646.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,736.79	3/4	4,042.84	3/4	4,348.89	3/4	4,653.24	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,743.16	7	4,049.22	7	4,355.27	7	4,659.58	7		7		7		7		7		7	
1/4	3,749.54	1/4	4,055.59	1/4	4,361.61	1/4	4,666.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,755.91	1/2	4,061.97	1/2	4,367.95	1/2	4,674.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,762.29	3/4	4,068.34	3/4	4,374.29	3/4	4,681.77	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,768.67	8	4,074.72	8	4,380.63	8	4,689.17	8		8		8		8		8		8	
1/4	3,775.04	1/4	4,081.10	1/4	4,386.97	1/4	4,696.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,781.42	1/2	4,087.47	1/2	4,393.31	1/2	4,703.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,787.80	3/4	4,093.85	3/4	4,399.65	3/4	4,710.20	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,794.17	9	4,100.22	9	4,405.99	9	4,717.21	9		9		9		9		9		9	
1/4	3,800.55	1/4	4,106.60	1/4	4,412.33	1/4	4,722.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,806.92	1/2	4,112.98	1/2	4,418.67	1/2	4,728.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,813.30	3/4	4,119.35	3/4	4,425.01	3/4	4,734.27	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,819.68	10	4,125.73	10	4,431.35	10		10		10		10		10		10		10	
1/4	3,826.05	1/4	4,132.10	1/4	4,437.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,832.43	1/2	4,138.48	1/2	4,444.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,838.80	3/4	4,144.86	3/4	4,450.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,845.18	11	4,151.23	11	4,456.71	11		11		11		11		11		11		11	
1/4	3,851.56	1/4	4,157.61	1/4	4,463.04	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,857.93	1/2	4,163.99	1/2	4,469.38	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,864.31	3/4	4,170.36	3/4	4,475.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "EMS 383"

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-00"

March 21, 2013

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

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BARGE "EMS 383"

1 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	1,954.77	0	1,623.23	0	1,291.68	0	963.77	0	654.64	0	364.93	0	95.10	0		0		0	
1/4	1,947.86	1/4	1,616.32	1/4	1,284.77	1/4	957.13	1/4	648.41	1/4	359.11	1/4	89.70	1/4	1/4	1/4		1/4	
1/2	1,940.96	1/2	1,609.41	1/2	1,277.87	1/2	950.48	1/2	642.17	1/2	353.29	1/2	84.29	1/2	1/2	1/2		1/2	
3/4	1,934.05	3/4	1,602.50	3/4	1,270.96	3/4	943.83	3/4	635.94	3/4	347.47	3/4	78.89	3/4	3/4	3/4		3/4	
1	1,927.14	1	1,595.60	1	1,264.05	1	937.22	1	629.74	1	341.69	1	73.51	1	1	1		1	
1/4	1,920.24	1/4	1,588.69	1/4	1,257.14	1/4	930.60	1/4	623.54	1/4	335.90	1/4	68.14	1/4	1/4	1/4		1/4	
1/2	1,913.33	1/2	1,581.78	1/2	1,250.24	1/2	923.99	1/2	617.34	1/2	330.12	1/2	62.77	1/2	1/2	1/2		1/2	
3/4	1,906.42	3/4	1,574.88	3/4	1,243.33	3/4	917.37	3/4	611.14	3/4	324.33	3/4	57.40	3/4	3/4	3/4		3/4	
2	1,899.51	2	1,567.97	2	1,236.42	2	910.81	2	604.98	2	318.58	2	52.06	2	2	2		2	
1/4	1,892.61	1/4	1,561.06	1/4	1,229.52	1/4	904.24	1/4	598.81	1/4	312.83	1/4	46.73	1/4	1/4	1/4		1/4	
1/2	1,885.70	1/2	1,554.15	1/2	1,222.61	1/2	897.68	1/2	592.65	1/2	307.08	1/2	41.39	1/2	1/2	1/2		1/2	
3/4	1,878.79	3/4	1,547.25	3/4	1,215.70	3/4	891.11	3/4	586.48	3/4	301.33	3/4	36.05	3/4	3/4	3/4		3/4	
3	1,871.88	3	1,540.34	3	1,208.79	3	884.58	3	580.35	3	295.61	3	31.00	3	3	3		3	
1/4	1,864.98	1/4	1,533.43	1/4	1,201.89	1/4	878.05	1/4	574.22	1/4	289.90	1/4	25.94	1/4	1/4	1/4		1/4	
1/2	1,858.07	1/2	1,526.52	1/2	1,194.98	1/2	871.52	1/2	568.09	1/2	284.18	1/2	20.89	1/2	1/2	1/2		1/2	
3/4	1,851.16	3/4	1,519.62	3/4	1,188.07	3/4	864.98	3/4	561.96	3/4	278.46	3/4	15.83	3/4	3/4	3/4		3/4	
4	1,844.26	4	1,512.71	4	1,181.16	4	858.49	4	555.86	4	272.78	4	12.54	4	4	4		4	
1/4	1,837.35	1/4	1,505.80	1/4	1,174.26	1/4	851.99	1/4	549.77	1/4	267.10	1/4	9.24	1/4	1/4	1/4		1/4	
1/2	1,830.44	1/2	1,498.90	1/2	1,167.35	1/2	845.49	1/2	543.67	1/2	261.42	1/2	5.95	1/2	1/2	1/2		1/2	
3/4	1,823.53	3/4	1,491.99	3/4	1,160.44	3/4	839.00	3/4	537.58	3/4	255.74	3/4	2.66	3/4	3/4	3/4		3/4	
5	1,816.63	5	1,485.08	5	1,153.55	5	832.54	5	531.51	5	250.09	5		5	5	5		5	
1/4	1,809.72	1/4	1,478.17	1/4	1,146.66	1/4	826.08	1/4	525.45	1/4	244.44	1/4		1/4	1/4	1/4		1/4	
1/2	1,802.81	1/2	1,471.27	1/2	1,139.77	1/2	819.62	1/2	519.39	1/2	238.79	1/2		1/2	1/2	1/2		1/2	
3/4	1,795.91	3/4	1,464.36	3/4	1,132.88	3/4	813.16	3/4	513.33	3/4	233.15	3/4		3/4	3/4	3/4		3/4	
6	1,789.00	6	1,457.45	6	1,126.03	6	806.74	6	507.30	6	227.53	6		6	6	6		6	
1/4	1,782.09	1/4	1,450.55	1/4	1,119.17	1/4	800.32	1/4	501.28	1/4	221.92	1/4		1/4	1/4	1/4		1/4	
1/2	1,775.18	1/2	1,443.64	1/2	1,112.32	1/2	793.89	1/2	495.25	1/2	216.31	1/2		1/2	1/2	1/2		1/2	
3/4	1,768.28	3/4	1,436.73	3/4	1,105.46	3/4	787.47	3/4	489.22	3/4	210.69	3/4		3/4	3/4	3/4		3/4	
7	1,761.37	7	1,429.82	7	1,098.64	7	781.08	7	483.23	7	205.12	7		7	7	7		7	
1/4	1,754.46	1/4	1,422.92	1/4	1,091.82	1/4	774.68	1/4	477.24	1/4	199.54	1/4		1/4	1/4	1/4		1/4	
1/2	1,747.56	1/2	1,416.01	1/2	1,085.00	1/2	768.29	1/2	471.24	1/2	193.96	1/2		1/2	1/2	1/2		1/2	
3/4	1,740.65	3/4	1,409.10	3/4	1,078.18	3/4	761.90	3/4	465.25	3/4	188.38	3/4		3/4	3/4	3/4		3/4	
8	1,733.74	8	1,402.20	8	1,071.39	8	755.54	8	459.29	8	182.84	8		8	8	8		8	
1/4	1,726.83	1/4	1,395.29	1/4	1,064.60	1/4	749.18	1/4	453.34	1/4	177.29	1/4		1/4	1/4	1/4		1/4	
1/2	1,719.93	1/2	1,388.38	1/2	1,057.82	1/2	742.82	1/2	447.38	1/2	171.75	1/2		1/2	1/2	1/2		1/2	
3/4	1,713.02	3/4	1,381.47	3/4	1,051.03	3/4	736.46	3/4	441.42	3/4	166.21	3/4		3/4	3/4	3/4		3/4	
9	1,706.11	9	1,374.57	9	1,044.28	9	730.13	9	435.50	9	160.70	9		9	9	9		9	
1/4	1,699.20	1/4	1,367.66	1/4	1,037.53	1/4	723.81	1/4	429.57	1/4	155.19	1/4		1/4	1/4	1/4		1/4	
1/2	1,692.30	1/2	1,360.75	1/2	1,030.78	1/2	717.49	1/2	423.65	1/2	149.68	1/2		1/2	1/2	1/2		1/2	
3/4	1,685.39	3/4	1,353.84	3/4	1,024.02	3/4	711.16	3/4	417.73	3/4	144.17	3/4		3/4	3/4	3/4		3/4	
10	1,678.48	10	1,346.94	10	1,017.31	10	704.86	10	411.84	10	138.69	10		10	10	10		10	
1/4	1,671.58	1/4	1,340.03	1/4	1,010.59	1/4	698.56	1/4	405.95	1/4	133.22	1/4		1/4	1/4	1/4		1/4	
1/2	1,664.67	1/2	1,333.12	1/2	1,003.87	1/2	692.25	1/2	400.06	1/2	127.74	1/2		1/2	1/2	1/2		1/2	
3/4	1,657.76	3/4	1,326.22	3/4	997.15	3/4	685.95	3/4	394.17	3/4	122.27	3/4		3/4	3/4	3/4		3/4	
11	1,650.85	11	1,319.31	11	990.47	11	679.68	11	388.32	11	116.83	11		11	11	11		11	
1/4	1,643.95	1/4	1,312.40	1/4	983.79	1/4	673.41	1/4	382.46	1/4	111.39	1/4		1/4	1/4	1/4		1/4	
1/2	1,637.04	1/2	1,305.49	1/2	977.11	1/2	667.14	1/2	376.61	1/2	105.95	1/2		1/2	1/2	1/2		1/2	
3/4	1,630.13	3/4	1,298.59	3/4	970.42	3/4	660.88	3/4	370.75	3/4	100.51	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/21/2013 CL - SW
CALCULATED: 03/21/2013 CL
PRINTED: 03/21/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "EMS 383"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	2,451.39	1/4	2,063.25	1/4	1,675.11	1/4	1,286.97	1/4	898.82	1/4	525.94	1/4	137.83	1/4		1/4		1/4			
1/2	2,443.31	1/2	2,055.16	1/2	1,667.02	1/2	1,278.88	1/2	891.04	1/2	517.86	1/2	129.75	1/2		1/2		1/2			
3/4	2,435.22	3/4	2,047.08	3/4	1,658.94	3/4	1,270.79	3/4	883.26	3/4	509.77	3/4	121.66	3/4		3/4		3/4			
1	2,427.13	1	2,038.99	1	1,650.85	1	1,262.71	1	875.48	1	501.69	1	113.57	1		1		1			
1/4	2,419.05	1/4	2,030.91	1/4	1,642.76	1/4	1,254.62	1/4	867.70	1/4	493.60	1/4	105.49	1/4		1/4		1/4			
1/2	2,410.96	1/2	2,022.82	1/2	1,634.68	1/2	1,246.53	1/2	859.92	1/2	485.52	1/2	97.40	1/2		1/2		1/2			
3/4	2,402.88	3/4	2,014.73	3/4	1,626.59	3/4	1,238.45	3/4	852.14	3/4	477.43	3/4	89.32	3/4		3/4		3/4			
2	2,394.79	2	2,006.65	2	1,618.50	2	1,230.36	2	844.36	2	469.34	2	81.23	2		2		2			
1/4	2,386.70	1/4	1,998.56	1/4	1,610.42	1/4	1,222.28	1/4	836.58	1/4	461.26	1/4	73.15	1/4		1/4		1/4			
1/2	2,378.62	1/2	1,990.47	1/2	1,602.33	1/2	1,214.19	1/2	828.80	1/2	453.17	1/2	65.05	1/2		1/2		1/2			
3/4	2,370.53	3/4	1,982.39	3/4	1,594.25	3/4	1,206.10	3/4	821.03	3/4	445.09	3/4	57.55	3/4		3/4		3/4			
3	2,362.44	3	1,974.30	3	1,586.16	3	1,198.02	3	813.25	3	437.00	3	49.76	3		3		3			
1/4	2,354.36	1/4	1,966.22	1/4	1,578.07	1/4	1,189.93	1/4	805.48	1/4	428.92	1/4	41.96	1/4		1/4		1/4			
1/2	2,346.27	1/2	1,958.13	1/2	1,569.99	1/2	1,181.84	1/2	797.71	1/2	420.83	1/2	36.18	1/2		1/2		1/2			
3/4	2,338.18	3/4	1,950.04	3/4	1,561.90	3/4	1,173.76	3/4	789.95	3/4	412.74	3/4	30.41	3/4		3/4		3/4			
4	2,330.10	4	1,941.96	4	1,553.81	4	1,165.67	4	782.18	4	404.66	4	24.63	4		4		4			
1/4	2,322.01	1/4	1,933.87	1/4	1,545.73	1/4	1,157.59	1/4	774.42	1/4	396.57	1/4	18.86	1/4		1/4		1/4			
1/2	2,313.93	1/2	1,925.78	1/2	1,537.64	1/2	1,149.50	1/2	766.65	1/2	388.49	1/2		1/2		1/2		1/2			
3/4	2,305.84	3/4	1,917.70	3/4	1,529.55	3/4	1,141.41	3/4	758.89	3/4	380.40	3/4		3/4		3/4		3/4			
5	2,297.75	5	1,909.61	5	1,521.47	5	1,133.33	5	751.12	5	372.32	5		5		5		5			
1/4	2,289.67	1/4	1,901.52	1/4	1,513.38	1/4	1,125.24	1/4	743.36	1/4	364.23	1/4		1/4		1/4		1/4			
1/2	2,281.58	1/2	1,893.44	1/2	1,505.30	1/2	1,117.15	1/2	735.59	1/2	356.15	1/2		1/2		1/2		1/2			
3/4	2,273.49	3/4	1,885.35	3/4	1,497.21	3/4	1,109.07	3/4	727.83	3/4	348.06	3/4		3/4		3/4		3/4			
6	2,265.41	6	1,877.27	6	1,489.12	6	1,100.98	6	720.06	6	339.97	6		6		6		6			
1/4	2,257.32	1/4	1,869.18	1/4	1,481.04	1/4	1,092.89	1/4	712.30	1/4	331.89	1/4		1/4		1/4		1/4			
1/2	2,249.24	1/2	1,861.09	1/2	1,472.95	1/2	1,084.81	1/2	704.54	1/2	323.80	1/2		1/2		1/2		1/2			
3/4	2,241.15	3/4	1,853.01	3/4	1,464.86	3/4	1,076.72	3/4	696.78	3/4	315.72	3/4		3/4		3/4		3/4			
7	2,233.06	7	1,844.92	7	1,456.78	7	1,068.64	7	689.02	7	307.63	7		7		7		7			
1/4	2,224.98	1/4	1,836.83	1/4	1,448.69	1/4	1,060.55	1/4	681.26	1/4	299.55	1/4		1/4		1/4		1/4			
1/2	2,216.89	1/2	1,828.75	1/2	1,440.61	1/2	1,052.46	1/2	673.50	1/2	291.46	1/2		1/2		1/2		1/2			
3/4	2,208.80	3/4	1,820.66	3/4	1,432.52	3/4	1,044.38	3/4	665.74	3/4	283.37	3/4		3/4		3/4		3/4			
8	2,200.72	8	1,812.58	8	1,424.43	8	1,036.29	8	657.98	8	275.29	8		8		8		8			
1/4	2,192.63	1/4	1,804.49	1/4	1,416.35	1/4	1,028.20	1/4	650.22	1/4	267.20	1/4		1/4		1/4		1/4			
1/2	2,184.55	1/2	1,796.40	1/2	1,408.26	1/2	1,020.12	1/2	642.45	1/2	259.12	1/2		1/2		1/2		1/2			
3/4	2,176.46	3/4	1,788.32	3/4	1,400.17	3/4	1,012.03	3/4	634.69	3/4	251.03	3/4		3/4		3/4		3/4			
9	2,168.37	9	1,780.23	9	1,392.09	9	1,003.95	9	626.92	9	242.95	9		9		9		9			
1/4	2,160.29	1/4	1,772.14	1/4	1,384.00	1/4	995.86	1/4	619.16	1/4	234.86	1/4		1/4		1/4		1/4			
1/2	2,152.20	1/2	1,764.06	1/2	1,375.92	1/2	987.77	1/2	611.39	1/2	226.77	1/2		1/2		1/2		1/2			
3/4	2,144.11	3/4	1,755.97	3/4	1,367.83	3/4	979.69	3/4	603.63	3/4	218.69	3/4		3/4		3/4		3/4			
10	2,136.03	10	1,747.89	10	1,359.74	10	971.60	10	595.86	10	210.60	10		10		10		10			
1/4	2,127.94	1/4	1,739.80	1/4	1,351.66	1/4	963.51	1/4	588.10	1/4	202.52	1/4		1/4		1/4		1/4			
1/2	2,119.85	1/2	1,731.71	1/2	1,343.57	1/2	955.43	1/2	580.33	1/2	194.43	1/2		1/2		1/2		1/2			
3/4	2,111.77	3/4	1,723.63	3/4	1,335.48	3/4	947.34	3/4	572.57	3/4	186.35	3/4		3/4		3/4		3/4			
11	2,103.68	11	1,715.54	11	1,327.40	11	939.26	11	564.81	11	178.26	11		11		11		11			
1/4	2,095.60	1/4	1,707.45	1/4	1,319.31	1/4	931.17	1/4	557.04	1/4	170.17	1/4		1/4		1/4		1/4			
1/2	2,087.51	1/2	1,699.37	1/2	1,311.22	1/2	923.08	1/2	549.27	1/2	162.09	1/2		1/2		1/2		1/2			
3/4	2,079.42	3/4	1,691.28	3/4	1,303.14	3/4	915.00	3/4	541.49	3/4	154.00	3/4		3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/21/2013 CL - SW
CALCULATED: 03/21/2013 CL
PRINTED: 03/21/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "EMS 383"

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

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 42'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "EMS 383"

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	2,482.46	0	2,094.31	0	1,706.17	0	1,318.03	0	929.89	0	542.12	0	154.00	0		0		0	
1/4	2,474.37	1/4	2,086.23	1/4	1,698.09	1/4	1,309.94	1/4	921.80	1/4	534.03	1/4	145.92	1/4	1/4		1/4		1/4
1/2	2,466.28	1/2	2,078.14	1/2	1,690.00	1/2	1,301.86	1/2	913.71	1/2	525.94	1/2	137.83	1/2	1/2		1/2		1/2
3/4	2,458.20	3/4	2,070.05	3/4	1,681.91	3/4	1,293.77	3/4	905.63	3/4	517.86	3/4	129.75	3/4	3/4		3/4		3/4
1	2,450.11	1	2,061.97	1	1,673.83	1	1,285.68	1	897.54	1	509.77	1	121.66	1	1		1		1
1/4	2,442.02	1/4	2,053.88	1/4	1,665.74	1/4	1,277.60	1/4	889.46	1/4	501.69	1/4	113.57	1/4	1/4		1/4		1/4
1/2	2,433.94	1/2	2,045.80	1/2	1,657.65	1/2	1,269.51	1/2	881.37	1/2	493.60	1/2	105.49	1/2	1/2		1/2		1/2
3/4	2,425.85	3/4	2,037.71	3/4	1,649.57	3/4	1,261.42	3/4	873.28	3/4	485.52	3/4	97.40	3/4	3/4		3/4		3/4
2	2,417.77	2	2,029.62	2	1,641.48	2	1,253.34	2	865.20	2	477.43	2	89.32	2	2		2		2
1/4	2,409.68	1/4	2,021.54	1/4	1,633.39	1/4	1,245.25	1/4	857.11	1/4	469.34	1/4	81.23	1/4	1/4		1/4		1/4
1/2	2,401.59	1/2	2,013.45	1/2	1,625.31	1/2	1,237.17	1/2	849.02	1/2	461.26	1/2	73.15	1/2	1/2		1/2		1/2
3/4	2,393.51	3/4	2,005.36	3/4	1,617.22	3/4	1,229.08	3/4	840.94	3/4	453.17	3/4	65.35	3/4	3/4		3/4		3/4
3	2,385.42	3	1,997.28	3	1,609.14	3	1,220.99	3	832.85	3	445.09	3	57.55	3	3		3		3
1/4	2,377.33	1/4	1,989.19	1/4	1,601.05	1/4	1,212.91	1/4	824.76	1/4	437.00	1/4	49.76	1/4	1/4		1/4		1/4
1/2	2,369.25	1/2	1,981.11	1/2	1,592.96	1/2	1,204.82	1/2	816.68	1/2	428.92	1/2	41.96	1/2	1/2		1/2		1/2
3/4	2,361.16	3/4	1,973.02	3/4	1,584.88	3/4	1,196.73	3/4	808.60	3/4	420.83	3/4	36.18	3/4	3/4		3/4		3/4
4	2,353.08	4	1,964.93	4	1,576.79	4	1,188.65	4	800.53	4	412.74	4	30.41	4	4		4		4
1/4	2,344.99	1/4	1,956.85	1/4	1,568.70	1/4	1,180.56	1/4	792.45	1/4	404.66	1/4	24.63	1/4	1/4		1/4		1/4
1/2	2,336.90	1/2	1,948.76	1/2	1,560.62	1/2	1,172.48	1/2	784.37	1/2	396.57	1/2	18.86	1/2	1/2		1/2		1/2
3/4	2,328.82	3/4	1,940.67	3/4	1,552.53	3/4	1,164.39	3/4	776.30	3/4	388.49	3/4		3/4	3/4		3/4		3/4
5	2,320.73	5	1,932.59	5	1,544.45	5	1,156.30	5	768.22	5	380.40	5		5	5		5		5
1/4	2,312.64	1/4	1,924.50	1/4	1,536.36	1/4	1,148.22	1/4	760.15	1/4	372.32	1/4		1/4	1/4		1/4		1/4
1/2	2,304.56	1/2	1,916.42	1/2	1,528.27	1/2	1,140.13	1/2	752.07	1/2	364.23	1/2		1/2	1/2		1/2		1/2
3/4	2,296.47	3/4	1,908.33	3/4	1,520.19	3/4	1,132.04	3/4	744.00	3/4	356.15	3/4		3/4	3/4		3/4		3/4
6	2,288.38	6	1,900.24	6	1,512.10	6	1,123.96	6	735.92	6	348.06	6		6	6		6		6
1/4	2,280.30	1/4	1,892.16	1/4	1,504.01	1/4	1,115.87	1/4	727.84	1/4	339.97	1/4		1/4	1/4		1/4		1/4
1/2	2,272.21	1/2	1,884.07	1/2	1,495.93	1/2	1,107.79	1/2	719.77	1/2	331.89	1/2		1/2	1/2		1/2		1/2
3/4	2,264.13	3/4	1,875.98	3/4	1,487.84	3/4	1,099.70	3/4	711.70	3/4	323.80	3/4		3/4	3/4		3/4		3/4
7	2,256.04	7	1,867.90	7	1,479.75	7	1,091.61	7	703.62	7	315.72	7		7	7		7		7
1/4	2,247.95	1/4	1,859.81	1/4	1,471.67	1/4	1,083.53	1/4	695.55	1/4	307.63	1/4		1/4	1/4		1/4		1/4
1/2	2,239.87	1/2	1,851.72	1/2	1,463.58	1/2	1,075.44	1/2	687.48	1/2	299.55	1/2		1/2	1/2		1/2		1/2
3/4	2,231.78	3/4	1,843.64	3/4	1,455.50	3/4	1,067.35	3/4	679.41	3/4	291.46	3/4		3/4	3/4		3/4		3/4
8	2,223.69	8	1,835.55	8	1,447.41	8	1,059.27	8	671.34	8	283.37	8		8	8		8		8
1/4	2,215.61	1/4	1,827.47	1/4	1,439.32	1/4	1,051.18	1/4	663.27	1/4	275.29	1/4		1/4	1/4		1/4		1/4
1/2	2,207.52	1/2	1,819.38	1/2	1,431.24	1/2	1,043.09	1/2	655.19	1/2	267.20	1/2		1/2	1/2		1/2		1/2
3/4	2,199.44	3/4	1,811.29	3/4	1,423.15	3/4	1,035.01	3/4	647.12	3/4	259.12	3/4		3/4	3/4		3/4		3/4
9	2,191.35	9	1,803.21	9	1,415.06	9	1,026.92	9	639.04	9	251.03	9		9	9		9		9
1/4	2,183.26	1/4	1,795.12	1/4	1,406.98	1/4	1,018.84	1/4	630.97	1/4	242.95	1/4		1/4	1/4		1/4		1/4
1/2	2,175.18	1/2	1,787.03	1/2	1,398.89	1/2	1,010.75	1/2	622.89	1/2	234.86	1/2		1/2	1/2		1/2		1/2
3/4	2,167.09	3/4	1,778.95	3/4	1,390.81	3/4	1,002.66	3/4	614.82	3/4	226.77	3/4		3/4	3/4		3/4		3/4
10	2,159.00	10	1,770.86	10	1,382.72	10	994.58	10	606.74	10	218.69	10		10	10		10		10
1/4	2,150.92	1/4	1,762.78	1/4	1,374.63	1/4	986.49	1/4	598.67	1/4	210.60	1/4		1/4	1/4		1/4		1/4
1/2	2,142.83	1/2	1,754.69	1/2	1,366.55	1/2	978.40	1/2	590.59	1/2	202.52	1/2		1/2	1/2		1/2		1/2
3/4	2,134.75	3/4	1,746.60	3/4	1,358.46	3/4	970.32	3/4	582.51	3/4	194.43	3/4		3/4	3/4		3/4		3/4
11	2,126.66	11	1,738.52	11	1,350.37	11	962.23	11	574.44	11	186.35	11		11	11		11		11
1/4	2,118.57	1/4	1,730.43	1/4	1,342.29	1/4	954.15	1/4	566.36	1/4	178.26	1/4		1/4	1/4		1/4		1/4
1/2	2,110.49	1/2	1,722.34	1/2	1,334.20	1/2	946.06	1/2	558.29	1/2	170.17	1/2		1/2	1/2		1/2		1/2
3/4	2,102.40	3/4	1,714.26	3/4	1,326.12	3/4	937.97	3/4	550.20	3/4	162.09	3/4		3/4	3/4		3/4		3/4

STRAPPED: 03/21/2013 CL - SW
CALCULATED: 03/21/2013 CL
PRINTED: 03/21/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "EMS 383"

3 PORT 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
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	
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	
1/2		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	
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	
1/2		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	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	
1/2		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	
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	
1/2		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	
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	
1/2		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	
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	
1/2		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	
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	
1/2		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	
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	
1/2		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	
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	
1/2		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	
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	
1/2		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	
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	
1/2		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	

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'-06" FORWARD OF AFT BULKHEAD.

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BARGE "EMS 383"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
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
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 51'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "EMS 383"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,283.07	0	1,924.22	0	1,565.91	0	1,205.61	0	845.31	0	495.80	0	135.60	0		0		0	
1/4	2,275.56	1/4	1,916.79	1/4	1,558.41	1/4	1,198.10	1/4	837.80	1/4	488.51	1/4	128.09	1/4	1/4	1/4		1/4	1/4
1/2	2,268.05	1/2	1,909.36	1/2	1,550.90	1/2	1,190.60	1/2	830.52	1/2	481.00	1/2	120.58	1/2	1/2	1/2		1/2	1/2
3/4	2,260.54	3/4	1,901.93	3/4	1,543.39	3/4	1,183.09	3/4	823.23	3/4	473.50	3/4	113.07	3/4	3/4	3/4		3/4	3/4
1	2,253.03	1	1,894.49	1	1,535.89	1	1,175.58	1	815.95	1	465.99	1	105.56	1	1	1		1	1
1/4	2,245.52	1/4	1,887.06	1/4	1,528.38	1/4	1,168.08	1/4	808.66	1/4	458.48	1/4	98.05	1/4	1/4	1/4		1/4	1/4
1/2	2,238.01	1/2	1,879.63	1/2	1,520.87	1/2	1,160.57	1/2	801.38	1/2	450.97	1/2	90.54	1/2	1/2	1/2		1/2	1/2
3/4	2,230.50	3/4	1,872.20	3/4	1,513.37	3/4	1,153.06	3/4	794.09	3/4	443.46	3/4	83.03	3/4	3/4	3/4		3/4	3/4
2	2,222.99	2	1,864.76	2	1,505.86	2	1,145.56	2	786.81	2	435.95	2	75.52	2	2	2		2	2
1/4	2,215.48	1/4	1,857.33	1/4	1,498.35	1/4	1,138.05	1/4	779.52	1/4	428.44	1/4	68.02	1/4	1/4	1/4		1/4	1/4
1/2	2,207.97	1/2	1,849.90	1/2	1,490.85	1/2	1,130.55	1/2	772.24	1/2	420.93	1/2	60.77	1/2	1/2	1/2		1/2	1/2
3/4	2,200.46	3/4	1,842.47	3/4	1,483.34	3/4	1,123.04	3/4	764.96	3/4	413.42	3/4	53.53	3/4	3/4	3/4		3/4	3/4
3	2,192.95	3	1,835.03	3	1,475.84	3	1,115.53	3	757.67	3	405.92	3	46.29	3	3	3		3	3
1/4	2,185.44	1/4	1,827.60	1/4	1,468.33	1/4	1,108.03	1/4	750.39	1/4	398.41	1/4	39.05	1/4	1/4	1/4		1/4	1/4
1/2	2,177.93	1/2	1,820.17	1/2	1,460.82	1/2	1,100.52	1/2	743.11	1/2	390.90	1/2	33.68	1/2	1/2	1/2		1/2	1/2
3/4	2,170.43	3/4	1,812.73	3/4	1,453.32	3/4	1,093.01	3/4	735.84	3/4	383.39	3/4	28.31	3/4	3/4	3/4		3/4	3/4
4	2,162.92	4	1,805.30	4	1,445.81	4	1,085.51	4	728.56	4	375.88	4	22.94	4	4	4		4	4
1/4	2,155.41	1/4	1,797.87	1/4	1,438.30	1/4	1,078.00	1/4	721.29	1/4	368.37	1/4	17.57	1/4	1/4	1/4		1/4	1/4
1/2	2,147.90	1/2	1,790.44	1/2	1,430.80	1/2	1,070.50	1/2	714.02	1/2	360.86	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,140.39	3/4	1,783.00	3/4	1,423.29	3/4	1,062.99	3/4	706.74	3/4	353.35	3/4		3/4	3/4	3/4		3/4	3/4
5	2,132.88	5	1,775.57	5	1,415.79	5	1,055.48	5	699.47	5	345.84	5		5	5	5		5	5
1/4	2,125.37	1/4	1,768.14	1/4	1,408.28	1/4	1,047.98	1/4	692.19	1/4	338.34	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,117.86	1/2	1,760.71	1/2	1,400.77	1/2	1,040.47	1/2	684.92	1/2	330.83	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,110.35	3/4	1,753.27	3/4	1,393.27	3/4	1,032.96	3/4	677.65	3/4	323.32	3/4		3/4	3/4	3/4		3/4	3/4
6	2,102.84	6	1,745.84	6	1,385.76	6	1,025.46	6	670.37	6	315.81	6		6	6	6		6	6
1/4	2,095.33	1/4	1,738.41	1/4	1,378.25	1/4	1,017.95	1/4	663.10	1/4	308.30	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,087.86	1/2	1,730.94	1/2	1,370.75	1/2	1,010.45	1/2	655.83	1/2	300.79	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,080.39	3/4	1,723.47	3/4	1,363.24	3/4	1,002.94	3/4	648.56	3/4	293.28	3/4		3/4	3/4	3/4		3/4	3/4
7	2,072.91	7	1,716.00	7	1,355.73	7	995.43	7	641.29	7	285.77	7		7	7	7		7	7
1/4	2,065.44	1/4	1,708.53	1/4	1,348.23	1/4	987.93	1/4	634.02	1/4	278.26	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,058.01	1/2	1,701.02	1/2	1,340.72	1/2	980.42	1/2	626.75	1/2	270.76	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,050.58	3/4	1,693.52	3/4	1,333.22	3/4	972.91	3/4	619.48	3/4	263.25	3/4		3/4	3/4	3/4		3/4	3/4
8	2,043.15	8	1,686.01	8	1,325.71	8	965.41	8	612.21	8	255.74	8		8	8	8		8	8
1/4	2,035.71	1/4	1,678.51	1/4	1,318.20	1/4	957.90	1/4	604.94	1/4	248.23	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,028.28	1/2	1,671.00	1/2	1,310.70	1/2	950.39	1/2	597.67	1/2	240.72	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,020.85	3/4	1,663.49	3/4	1,303.19	3/4	942.89	3/4	590.39	3/4	233.21	3/4		3/4	3/4	3/4		3/4	3/4
9	2,013.41	9	1,655.99	9	1,295.68	9	935.38	9	583.12	9	225.70	9		9	9	9		9	9
1/4	2,005.98	1/4	1,648.48	1/4	1,288.18	1/4	927.88	1/4	575.84	1/4	218.19	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,998.55	1/2	1,640.97	1/2	1,280.67	1/2	920.37	1/2	568.57	1/2	210.68	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,991.12	3/4	1,633.47	3/4	1,273.17	3/4	912.86	3/4	561.30	3/4	203.18	3/4		3/4	3/4	3/4		3/4	3/4
10	1,983.68	10	1,625.96	10	1,265.66	10	905.36	10	554.02	10	195.67	10		10	10	10		10	10
1/4	1,976.25	1/4	1,618.46	1/4	1,258.15	1/4	897.85	1/4	546.75	1/4	188.16	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,968.82	1/2	1,610.95	1/2	1,250.65	1/2	890.34	1/2	539.47	1/2	180.65	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,961.39	3/4	1,603.44	3/4	1,243.14	3/4	882.84	3/4	532.20	3/4	173.14	3/4		3/4	3/4	3/4		3/4	3/4
11	1,953.95	11	1,595.94	11	1,235.63	11	875.33	11	524.93	11	165.63	11		11	11	11		11	11
1/4	1,946.52	1/4	1,588.43	1/4	1,228.13	1/4	867.83	1/4	517.65	1/4	158.12	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,939.09	1/2	1,580.92	1/2	1,220.62	1/2	860.32	1/2	510.37	1/2	150.61	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,931.66	3/4	1,573.42	3/4	1,213.12	3/4	852.81	3/4	503.08	3/4	143.10	3/4		3/4	3/4	3/4		3/4	3/4

STRAPPED: 03/21/2013 CL - SW
CALCULATED: 03/21/2013 CL
PRINTED: 03/21/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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