



BARGE "EMS 379"

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"

October 24, 2012

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 379"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 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	3,147.80	0	3,479.26	0	3,810.71	0	4,141.37	0		0		0		0		0		0	
1/4	3,154.71	1/4	3,486.16	1/4	3,817.62	1/4	4,148.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,161.61	1/2	3,493.07	1/2	3,824.52	1/2	4,155.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,168.52	3/4	3,499.97	3/4	3,831.43	3/4	4,161.96	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,175.42	1	3,506.88	1	3,838.33	1	4,168.83	1		1		1		1		1		1	
1/4	3,182.33	1/4	3,513.78	1/4	3,845.24	1/4	4,175.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,189.23	1/2	3,520.69	1/2	3,852.14	1/2	4,182.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,196.14	3/4	3,527.59	3/4	3,859.05	3/4	4,189.42	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,203.05	2	3,534.50	2	3,865.95	2	4,196.29	2		2		2		2		2		2	
1/4	3,209.95	1/4	3,541.40	1/4	3,872.86	1/4	4,203.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,216.86	1/2	3,548.31	1/2	3,879.76	1/2	4,210.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,223.76	3/4	3,555.22	3/4	3,886.67	3/4	4,216.88	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,230.67	3	3,562.12	3	3,893.58	3	4,223.75	3		3		3		3		3		3	
1/4	3,237.57	1/4	3,569.03	1/4	3,900.48	1/4	4,230.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,244.48	1/2	3,575.93	1/2	3,907.39	1/2	4,237.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,251.38	3/4	3,582.84	3/4	3,914.29	3/4	4,244.35	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,258.29	4	3,589.74	4	3,921.20	4	4,251.21	4		4		4		4		4		4	
1/4	3,265.19	1/4	3,596.65	1/4	3,928.10	1/4	4,258.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,272.10	1/2	3,603.55	1/2	3,935.01	1/2	4,264.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,279.00	3/4	3,610.46	3/4	3,941.91	3/4	4,271.81	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,285.91	5	3,617.36	5	3,948.82	5	4,278.67	5		5		5		5		5		5	
1/4	3,292.81	1/4	3,624.27	1/4	3,955.72	1/4	4,285.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,299.72	1/2	3,631.17	1/2	3,962.63	1/2	4,292.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,306.62	3/4	3,638.08	3/4	3,969.53	3/4	4,299.27	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,313.53	6	3,644.98	6	3,976.44	6	4,306.13	6		6		6		6		6		6	
1/4	3,320.44	1/4	3,651.89	1/4	3,983.34	1/4	4,313.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,327.34	1/2	3,658.79	1/2	3,990.25	1/2	4,319.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,334.25	3/4	3,665.70	3/4	3,997.15	3/4	4,326.73	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,341.15	7	3,672.61	7	4,004.06	7	4,333.59	7		7		7		7		7		7	
1/4	3,348.06	1/4	3,679.51	1/4	4,010.93	1/4	4,340.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,354.96	1/2	3,686.42	1/2	4,017.79	1/2	4,347.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,361.87	3/4	3,693.32	3/4	4,024.66	3/4	4,353.97	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,368.77	8	3,700.23	8	4,031.52	8	4,360.76	8		8		8		8		8		8	
1/4	3,375.68	1/4	3,707.13	1/4	4,038.39	1/4	4,367.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,382.58	1/2	3,714.04	1/2	4,045.25	1/2	4,373.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,389.49	3/4	3,720.94	3/4	4,052.12	3/4	4,380.08	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,396.39	9	3,727.85	9	4,058.98	9	4,386.52	9		9		9		9		9		9	
1/4	3,403.30	1/4	3,734.75	1/4	4,065.85	1/4	4,391.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,410.20	1/2	3,741.66	1/2	4,072.71	1/2	4,396.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,417.11	3/4	3,748.56	3/4	4,079.58	3/4	4,402.19	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,424.01	10	3,755.47	10	4,086.44	10		10		10		10		10		10		10	
1/4	3,430.92	1/4	3,762.37	1/4	4,093.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,437.83	1/2	3,769.28	1/2	4,100.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,444.73	3/4	3,776.18	3/4	4,107.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,451.64	11	3,783.09	11	4,113.90	11		11		11		11		11		11		11	
1/4	3,458.54	1/4	3,790.00	1/4	4,120.77	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,465.45	1/2	3,796.90	1/2	4,127.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,472.35	3/4	3,803.81	3/4	4,134.50	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2012 CL - SW
CALCULATED: 10/24/2012 CL
PRINTED: 10/24/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "EMS 379"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 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	3,148.01	0	3,479.33	0	3,810.65	0	4,141.18	0		0		0		0		0		0	
1/4	3,154.91	1/4	3,486.23	1/4	3,817.55	1/4	4,148.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,161.81	1/2	3,493.13	1/2	3,824.45	1/2	4,154.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,168.72	3/4	3,500.04	3/4	3,831.36	3/4	4,161.77	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,175.62	1	3,506.94	1	3,838.26	1	4,168.63	1		1		1		1		1		1	
1/4	3,182.52	1/4	3,513.84	1/4	3,845.16	1/4	4,175.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,189.42	1/2	3,520.74	1/2	3,852.06	1/2	4,182.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,196.33	3/4	3,527.65	3/4	3,858.97	3/4	4,189.22	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,203.23	2	3,534.55	2	3,865.87	2	4,196.08	2		2		2		2		2		2	
1/4	3,210.13	1/4	3,541.45	1/4	3,872.77	1/4	4,202.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,217.03	1/2	3,548.35	1/2	3,879.67	1/2	4,209.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,223.94	3/4	3,555.26	3/4	3,886.58	3/4	4,216.67	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,230.84	3	3,562.16	3	3,893.48	3	4,223.54	3		3		3		3		3		3	
1/4	3,237.74	1/4	3,569.06	1/4	3,900.38	1/4	4,230.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,244.64	1/2	3,575.96	1/2	3,907.28	1/2	4,237.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,251.55	3/4	3,582.87	3/4	3,914.19	3/4	4,244.12	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,258.45	4	3,589.77	4	3,921.09	4	4,250.99	4		4		4		4		4		4	
1/4	3,265.35	1/4	3,596.67	1/4	3,927.99	1/4	4,257.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,272.25	1/2	3,603.57	1/2	3,934.89	1/2	4,264.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,279.16	3/4	3,610.48	3/4	3,941.80	3/4	4,271.58	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,286.06	5	3,617.38	5	3,948.70	5	4,278.44	5		5		5		5		5		5	
1/4	3,292.96	1/4	3,624.28	1/4	3,955.60	1/4	4,285.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,299.86	1/2	3,631.18	1/2	3,962.50	1/2	4,292.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,306.77	3/4	3,638.09	3/4	3,969.41	3/4	4,299.03	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,313.67	6	3,644.99	6	3,976.31	6	4,305.89	6		6		6		6		6		6	
1/4	3,320.57	1/4	3,651.89	1/4	3,983.21	1/4	4,312.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,327.47	1/2	3,658.79	1/2	3,990.11	1/2	4,319.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,334.38	3/4	3,665.70	3/4	3,997.02	3/4	4,326.48	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,341.28	7	3,672.60	7	4,003.92	7	4,333.34	7		7		7		7		7		7	
1/4	3,348.18	1/4	3,679.50	1/4	4,010.78	1/4	4,340.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,355.08	1/2	3,686.40	1/2	4,017.65	1/2	4,346.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,361.99	3/4	3,693.31	3/4	4,024.51	3/4	4,353.71	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,368.89	8	3,700.21	8	4,031.37	8	4,360.50	8		8		8		8		8		8	
1/4	3,375.79	1/4	3,707.11	1/4	4,038.23	1/4	4,366.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,382.69	1/2	3,714.01	1/2	4,045.10	1/2	4,373.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,389.60	3/4	3,720.92	3/4	4,051.96	3/4	4,379.81	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,396.50	9	3,727.82	9	4,058.82	9	4,386.25	9		9		9		9		9		9	
1/4	3,403.40	1/4	3,734.72	1/4	4,065.69	1/4	4,391.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,410.30	1/2	3,741.62	1/2	4,072.55	1/2	4,396.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,417.21	3/4	3,748.53	3/4	4,079.41	3/4	4,401.91	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,424.11	10	3,755.43	10	4,086.28	10		10		10		10		10		10		10	
1/4	3,431.01	1/4	3,762.33	1/4	4,093.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,437.91	1/2	3,769.23	1/2	4,100.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,444.82	3/4	3,776.14	3/4	4,106.86	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,451.72	11	3,783.04	11	4,113.73	11		11		11		11		11		11		11	
1/4	3,458.62	1/4	3,789.94	1/4	4,120.59	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,465.52	1/2	3,796.84	1/2	4,127.45	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,472.43	3/4	3,803.75	3/4	4,134.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2012 CL - SW
CALCULATED: 10/24/2012 CL
PRINTED: 10/24/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "EMS 379"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

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	3,877.11	0	4,265.46	0	4,653.81	0	5,041.22	0		0		0		0		0		0	
1/4	3,885.20	1/4	4,273.55	1/4	4,661.90	1/4	5,049.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,893.29	1/2	4,281.64	1/2	4,669.99	1/2	5,057.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,901.38	3/4	4,289.73	3/4	4,678.08	3/4	5,065.35	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,909.47	1	4,297.82	1	4,686.17	1	5,073.39	1		1		1		1		1		1	
1/4	3,917.56	1/4	4,305.91	1/4	4,694.26	1/4	5,081.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,925.65	1/2	4,314.00	1/2	4,702.35	1/2	5,089.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,933.74	3/4	4,322.09	3/4	4,710.44	3/4	5,097.52	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,941.83	2	4,330.18	2	4,718.53	2	5,105.57	2		2		2		2		2		2	
1/4	3,949.93	1/4	4,338.27	1/4	4,726.62	1/4	5,113.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,958.02	1/2	4,346.36	1/2	4,734.71	1/2	5,121.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,966.11	3/4	4,354.46	3/4	4,742.80	3/4	5,129.70	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,974.20	3	4,362.55	3	4,750.89	3	5,137.74	3		3		3		3		3		3	
1/4	3,982.29	1/4	4,370.64	1/4	4,758.99	1/4	5,145.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,990.38	1/2	4,378.73	1/2	4,767.08	1/2	5,153.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,998.47	3/4	4,386.82	3/4	4,775.17	3/4	5,161.87	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,006.56	4	4,394.91	4	4,783.26	4	5,169.91	4		4		4		4		4		4	
1/4	4,014.65	1/4	4,403.00	1/4	4,791.35	1/4	5,177.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,022.74	1/2	4,411.09	1/2	4,799.44	1/2	5,186.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,030.83	3/4	4,419.18	3/4	4,807.53	3/4	5,194.04	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,038.92	5	4,427.27	5	4,815.62	5	5,202.09	5		5		5		5		5		5	
1/4	4,047.01	1/4	4,435.36	1/4	4,823.71	1/4	5,210.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,055.10	1/2	4,443.45	1/2	4,831.80	1/2	5,218.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,063.19	3/4	4,451.54	3/4	4,839.89	3/4	5,226.22	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,071.28	6	4,459.63	6	4,847.98	6	5,234.26	6		6		6		6		6		6	
1/4	4,079.38	1/4	4,467.72	1/4	4,856.07	1/4	5,242.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,087.47	1/2	4,475.81	1/2	4,864.16	1/2	5,250.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,095.56	3/4	4,483.91	3/4	4,872.25	3/4	5,258.39	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,103.65	7	4,492.00	7	4,880.34	7	5,266.44	7		7		7		7		7		7	
1/4	4,111.74	1/4	4,500.09	1/4	4,888.39	1/4	5,274.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,119.83	1/2	4,508.18	1/2	4,896.43	1/2	5,282.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,127.92	3/4	4,516.27	3/4	4,904.48	3/4	5,290.31	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,136.01	8	4,524.36	8	4,912.52	8	5,298.27	8		8		8		8		8		8	
1/4	4,144.10	1/4	4,532.45	1/4	4,920.56	1/4	5,305.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,152.19	1/2	4,540.54	1/2	4,928.61	1/2	5,313.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,160.28	3/4	4,548.63	3/4	4,936.65	3/4	5,320.90	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,168.37	9	4,556.72	9	4,944.69	9	5,328.44	9		9		9		9		9		9	
1/4	4,176.46	1/4	4,564.81	1/4	4,952.74	1/4	5,334.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,184.55	1/2	4,572.90	1/2	4,960.78	1/2	5,340.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,192.64	3/4	4,580.99	3/4	4,968.82	3/4	5,346.80	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,200.73	10	4,589.08	10	4,976.87	10		10		10		10		10		10		10	
1/4	4,208.82	1/4	4,597.17	1/4	4,984.91	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,216.92	1/2	4,605.26	1/2	4,992.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,225.01	3/4	4,613.35	3/4	5,001.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,233.10	11	4,621.45	11	5,009.04	11		11		11		11		11		11		11	
1/4	4,241.19	1/4	4,629.54	1/4	5,017.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,249.28	1/2	4,637.63	1/2	5,025.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,257.37	3/4	4,645.72	3/4	5,033.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 10/24/2012 CL - SW
CALCULATED: 10/24/2012 CL
PRINTED: 10/24/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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 379"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 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	18.88	0	396.88	0	784.99	0	1,173.40	0	1,561.85	0	1,950.30	0	2,338.75	0	2,727.20	0	3,115.65	0	3,504.09
1/4	24.65	1/4	404.98	1/4	793.07	1/4	1,181.49	1/4	1,569.94	1/4	1,958.39	1/4	2,346.84	1/4	2,735.29	1/4	3,123.74	1/4	3,512.18
1/2	30.43	1/2	413.07	1/2	801.16	1/2	1,189.58	1/2	1,578.03	1/2	1,966.48	1/2	2,354.93	1/2	2,743.38	1/2	3,131.83	1/2	3,520.27
3/4	36.21	3/4	421.16	3/4	809.24	3/4	1,197.68	3/4	1,586.13	3/4	1,974.58	3/4	2,363.03	3/4	2,751.47	3/4	3,139.92	3/4	3,528.36
1	41.99	1	429.25	1	817.32	1	1,205.77	1	1,594.22	1	1,982.67	1	2,371.12	1	2,759.57	1	3,148.02	1	3,536.45
1/4	49.79	1/4	437.34	1/4	825.41	1/4	1,213.86	1/4	1,602.31	1/4	1,990.76	1/4	2,379.21	1/4	2,767.66	1/4	3,156.11	1/4	3,544.54
1/2	57.60	1/2	445.44	1/2	833.51	1/2	1,221.95	1/2	1,610.40	1/2	1,998.85	1/2	2,387.30	1/2	2,775.75	1/2	3,164.20	1/2	3,552.64
3/4	65.40	3/4	453.53	3/4	841.60	3/4	1,230.05	3/4	1,618.50	3/4	2,006.95	3/4	2,395.40	3/4	2,783.85	3/4	3,172.30	3/4	3,560.73
2	73.20	2	461.62	2	849.69	2	1,238.14	2	1,626.59	2	2,015.04	2	2,403.49	2	2,791.94	2	3,180.39	2	3,568.82
1/4	81.30	1/4	469.71	1/4	857.78	1/4	1,246.23	1/4	1,634.68	1/4	2,023.13	1/4	2,411.58	1/4	2,800.03	1/4	3,188.48	1/4	3,576.91
1/2	89.39	1/2	477.80	1/2	865.88	1/2	1,254.33	1/2	1,642.78	1/2	2,031.22	1/2	2,419.67	1/2	2,808.12	1/2	3,196.57	1/2	3,585.00
3/4	97.48	3/4	485.90	3/4	873.97	3/4	1,262.42	3/4	1,650.87	3/4	2,039.32	3/4	2,427.77	3/4	2,816.22	3/4	3,204.67	3/4	3,593.09
3	105.57	3	493.99	3	882.06	3	1,270.51	3	1,658.96	3	2,047.41	3	2,435.86	3	2,824.31	3	3,212.76	3	3,601.18
1/4	113.66	1/4	502.08	1/4	890.15	1/4	1,278.60	1/4	1,667.05	1/4	2,055.50	1/4	2,443.95	1/4	2,832.40	1/4	3,220.85	1/4	3,609.28
1/2	121.76	1/2	510.17	1/2	898.25	1/2	1,286.70	1/2	1,675.15	1/2	2,063.60	1/2	2,452.05	1/2	2,840.49	1/2	3,228.94	1/2	3,617.37
3/4	129.85	3/4	518.26	3/4	906.34	3/4	1,294.79	3/4	1,683.24	3/4	2,071.69	3/4	2,460.14	3/4	2,848.59	3/4	3,237.04	3/4	3,625.46
4	137.94	4	526.36	4	914.43	4	1,302.88	4	1,691.33	4	2,079.78	4	2,468.23	4	2,856.68	4	3,245.13	4	3,633.55
1/4	146.03	1/4	534.45	1/4	922.52	1/4	1,310.97	1/4	1,699.42	1/4	2,087.87	1/4	2,476.32	1/4	2,864.77	1/4	3,253.22	1/4	3,641.64
1/2	154.12	1/2	542.54	1/2	930.62	1/2	1,319.07	1/2	1,707.52	1/2	2,095.97	1/2	2,484.42	1/2	2,872.87	1/2	3,261.32	1/2	3,649.73
3/4	162.22	3/4	550.63	3/4	938.71	3/4	1,327.16	3/4	1,715.61	3/4	2,104.06	3/4	2,492.51	3/4	2,880.96	3/4	3,269.41	3/4	3,657.82
5	170.31	5	558.73	5	946.80	5	1,335.25	5	1,723.70	5	2,112.15	5	2,500.60	5	2,889.05	5	3,277.50	5	3,665.92
1/4	178.40	1/4	566.81	1/4	954.90	1/4	1,343.35	1/4	1,731.79	1/4	2,120.24	1/4	2,508.69	1/4	2,897.14	1/4	3,285.59	1/4	3,674.01
1/2	186.49	1/2	574.89	1/2	962.99	1/2	1,351.44	1/2	1,739.89	1/2	2,128.34	1/2	2,516.79	1/2	2,905.24	1/2	3,293.69	1/2	3,682.10
3/4	194.58	3/4	582.97	3/4	971.08	3/4	1,359.53	3/4	1,747.98	3/4	2,136.43	3/4	2,524.88	3/4	2,913.33	3/4	3,301.78	3/4	3,690.19
6	202.68	6	591.05	6	979.17	6	1,367.62	6	1,756.07	6	2,144.52	6	2,532.97	6	2,921.42	6	3,309.87	6	3,698.28
1/4	210.77	1/4	599.13	1/4	987.27	1/4	1,375.72	1/4	1,764.17	1/4	2,152.62	1/4	2,541.06	1/4	2,929.51	1/4	3,317.96	1/4	3,706.37
1/2	218.86	1/2	607.22	1/2	995.36	1/2	1,383.81	1/2	1,772.26	1/2	2,160.71	1/2	2,549.16	1/2	2,937.61	1/2	3,326.06	1/2	3,714.47
3/4	226.95	3/4	615.30	3/4	1,003.45	3/4	1,391.90	3/4	1,780.35	3/4	2,168.80	3/4	2,557.25	3/4	2,945.70	3/4	3,334.15	3/4	3,722.56
7	235.04	7	623.38	7	1,011.54	7	1,399.99	7	1,788.44	7	2,176.89	7	2,565.34	7	2,953.79	7	3,342.24	7	3,730.65
1/4	243.14	1/4	631.46	1/4	1,019.64	1/4	1,408.09	1/4	1,796.54	1/4	2,184.99	1/4	2,573.44	1/4	2,961.89	1/4	3,350.33	1/4	3,738.74
1/2	251.23	1/2	639.55	1/2	1,027.73	1/2	1,416.18	1/2	1,804.63	1/2	2,193.08	1/2	2,581.53	1/2	2,969.98	1/2	3,358.43	1/2	3,746.83
3/4	259.32	3/4	647.63	3/4	1,035.82	3/4	1,424.27	3/4	1,812.72	3/4	2,201.17	3/4	2,589.62	3/4	2,978.07	3/4	3,366.52	3/4	3,754.92
8	267.41	8	655.71	8	1,043.92	8	1,432.36	8	1,820.81	8	2,209.26	8	2,597.71	8	2,986.16	8	3,374.61	8	3,763.01
1/4	275.50	1/4	663.79	1/4	1,052.01	1/4	1,440.46	1/4	1,828.91	1/4	2,217.36	1/4	2,605.81	1/4	2,994.26	1/4	3,382.71	1/4	3,771.11
1/2	283.60	1/2	671.87	1/2	1,060.10	1/2	1,448.55	1/2	1,837.00	1/2	2,225.45	1/2	2,613.90	1/2	3,002.35	1/2	3,390.80	1/2	3,779.20
3/4	291.69	3/4	679.94	3/4	1,068.19	3/4	1,456.64	3/4	1,845.09	3/4	2,233.54	3/4	2,621.99	3/4	3,010.44	3/4	3,398.89	3/4	3,787.29
9	299.78	9	688.02	9	1,076.29	9	1,464.74	9	1,853.19	9	2,241.63	9	2,630.08	9	3,018.53	9	3,406.98	9	3,795.38
1/4	307.87	1/4	696.10	1/4	1,084.38	1/4	1,472.83	1/4	1,861.28	1/4	2,249.73	1/4	2,638.18	1/4	3,026.63	1/4	3,415.08	1/4	3,803.47
1/2	315.96	1/2	704.18	1/2	1,092.47	1/2	1,480.92	1/2	1,869.37	1/2	2,257.82	1/2	2,646.27	1/2	3,034.72	1/2	3,423.17	1/2	3,811.56
3/4	324.05	3/4	712.25	3/4	1,100.56	3/4	1,489.01	3/4	1,877.46	3/4	2,265.91	3/4	2,654.36	3/4	3,042.81	3/4	3,431.26	3/4	3,819.65
10	332.15	10	720.33	10	1,108.66	10	1,497.11	10	1,885.56	10	2,274.01	10	2,662.46	10	3,050.90	10	3,439.35	10	3,827.75
1/4	340.24	1/4	728.41	1/4	1,116.75	1/4	1,505.20	1/4	1,893.65	1/4	2,282.10	1/4	2,670.55	1/4	3,059.00	1/4	3,447.45	1/4	3,835.84
1/2	348.33	1/2	736.50	1/2	1,124.84	1/2	1,513.29	1/2	1,901.74	1/2	2,290.19	1/2	2,678.64	1/2	3,067.09	1/2	3,455.54	1/2	3,843.93
3/4	356.42	3/4	744.58	3/4	1,132.93	3/4	1,521.38	3/4	1,909.83	3/4	2,298.28	3/4	2,686.73	3/4	3,075.18	3/4	3,463.63	3/4	3,852.02
11	364.52	11	752.66	11	1,141.03	11	1,529.48	11	1,917.93	11	2,306.38	11	2,694.83	11	3,083.28	11	3,471.72	11	3,860.11
1/4	372.61	1/4	760.74	1/4	1,149.12	1/4	1,537.57	1/4	1,926.02	1/4	2,314.47	1/4	2,702.92	1/4	3,091.37	1/4	3,479.81	1/4	3,868.20
1/2	380.70	1/2	768.83	1/2	1,157.21	1/2	1,545.66	1/2	1,934.11	1/2	2,322.56	1/2	2,711.01	1/2	3,099.46	1/2	3,487.90	1/2	3,876.30
3/4	388.79	3/4	776.91	3/4	1,165.31	3/4	1,553.76	3/4	1,942.20	3/4	2,330.65	3/4	2,719.10	3/4	3,107.55	3/4	3,495.99	3/4	3,884.39

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 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 379"

**2 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 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	3,892.48	0	4,280.87	0	4,669.26	0	5,056.70	0		0		0		0		0		0	
1/4	3,900.57	1/4	4,288.96	1/4	4,677.35	1/4	5,064.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,908.66	1/2	4,297.05	1/2	4,685.45	1/2	5,072.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,916.75	3/4	4,305.14	3/4	4,693.54	3/4	5,080.84	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,924.84	1	4,313.24	1	4,701.63	1	5,088.88	1		1		1		1		1		1	
1/4	3,932.94	1/4	4,321.33	1/4	4,709.72	1/4	5,096.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,941.03	1/2	4,329.42	1/2	4,717.81	1/2	5,104.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,949.12	3/4	4,337.51	3/4	4,725.90	3/4	5,113.01	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,957.21	2	4,345.60	2	4,733.99	2	5,121.06	2		2		2		2		2		2	
1/4	3,965.30	1/4	4,353.69	1/4	4,742.09	1/4	5,129.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,973.39	1/2	4,361.79	1/2	4,750.18	1/2	5,137.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,981.48	3/4	4,369.88	3/4	4,758.27	3/4	5,145.19	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,989.58	3	4,377.97	3	4,766.36	3	5,153.23	3		3		3		3		3		3	
1/4	3,997.67	1/4	4,386.06	1/4	4,774.45	1/4	5,161.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,005.76	1/2	4,394.15	1/2	4,782.54	1/2	5,169.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,013.85	3/4	4,402.24	3/4	4,790.63	3/4	5,177.36	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,021.94	4	4,410.33	4	4,798.73	4	5,185.41	4		4		4		4		4		4	
1/4	4,030.03	1/4	4,418.43	1/4	4,806.82	1/4	5,193.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,038.13	1/2	4,426.52	1/2	4,814.91	1/2	5,201.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,046.22	3/4	4,434.61	3/4	4,823.00	3/4	5,209.54	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,054.31	5	4,442.70	5	4,831.09	5	5,217.58	5		5		5		5		5		5	
1/4	4,062.40	1/4	4,450.79	1/4	4,839.18	1/4	5,225.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,070.49	1/2	4,458.88	1/2	4,847.28	1/2	5,233.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,078.58	3/4	4,466.97	3/4	4,855.37	3/4	5,241.72	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,086.67	6	4,475.07	6	4,863.46	6	5,249.76	6		6		6		6		6		6	
1/4	4,094.77	1/4	4,483.16	1/4	4,871.55	1/4	5,257.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,102.86	1/2	4,491.25	1/2	4,879.64	1/2	5,265.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,110.95	3/4	4,499.34	3/4	4,887.73	3/4	5,273.89	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,119.04	7	4,507.43	7	4,895.82	7	5,281.94	7		7		7		7		7		7	
1/4	4,127.13	1/4	4,515.52	1/4	4,903.87	1/4	5,289.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,135.22	1/2	4,523.62	1/2	4,911.91	1/2	5,297.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,143.31	3/4	4,531.71	3/4	4,919.96	3/4	5,305.81	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,151.41	8	4,539.80	8	4,928.00	8	5,313.77	8		8		8		8		8		8	
1/4	4,159.50	1/4	4,547.89	1/4	4,936.04	1/4	5,321.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,167.59	1/2	4,555.98	1/2	4,944.09	1/2	5,328.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,175.68	3/4	4,564.07	3/4	4,952.13	3/4	5,336.41	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,183.77	9	4,572.16	9	4,960.18	9	5,343.95	9		9		9		9		9		9	
1/4	4,191.86	1/4	4,580.26	1/4	4,968.22	1/4	5,350.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,199.96	1/2	4,588.35	1/2	4,976.26	1/2	5,356.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,208.05	3/4	4,596.44	3/4	4,984.31	3/4	5,362.31	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,216.14	10	4,604.53	10	4,992.35	10		10		10		10		10		10		10	
1/4	4,224.23	1/4	4,612.62	1/4	5,000.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,232.32	1/2	4,620.71	1/2	5,008.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,240.41	3/4	4,628.80	3/4	5,016.48	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,248.50	11	4,636.90	11	5,024.53	11		11		11		11		11		11		11	
1/4	4,256.60	1/4	4,644.99	1/4	5,032.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,264.69	1/2	4,653.08	1/2	5,040.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,272.78	3/4	4,661.17	3/4	5,048.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 10/24/2012 CL - SW
CALCULATED: 10/24/2012 CL
PRINTED: 10/24/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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 379"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

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	17.58	0	369.11	0	721.01	0	1,077.25	0	1,438.25	0	1,799.06	0	2,159.35	0	2,520.52	0	2,881.68	0	3,242.49
1/4	22.95	1/4	376.63	1/4	728.24	1/4	1,084.77	1/4	1,445.78	1/4	1,806.57	1/4	2,166.88	1/4	2,528.04	1/4	2,889.20	1/4	3,250.01
1/2	28.33	1/2	384.16	1/2	735.48	1/2	1,092.29	1/2	1,453.30	1/2	1,814.07	1/2	2,174.40	1/2	2,535.56	1/2	2,896.71	1/2	3,257.54
3/4	33.70	3/4	391.68	3/4	742.71	3/4	1,099.81	3/4	1,460.82	3/4	1,821.57	3/4	2,181.93	3/4	2,543.09	3/4	2,904.23	3/4	3,265.06
1	39.08	1	399.21	1	749.94	1	1,107.33	1	1,468.34	1	1,829.07	1	2,189.45	1	2,550.61	1	2,911.75	1	3,272.59
1/4	46.33	1/4	406.73	1/4	757.19	1/4	1,114.86	1/4	1,475.86	1/4	1,836.57	1/4	2,196.98	1/4	2,558.14	1/4	2,919.26	1/4	3,280.11
1/2	53.59	1/2	414.26	1/2	764.43	1/2	1,122.38	1/2	1,483.38	1/2	1,844.07	1/2	2,204.50	1/2	2,565.66	1/2	2,926.78	1/2	3,287.63
3/4	60.85	3/4	421.78	3/4	771.68	3/4	1,129.90	3/4	1,490.90	3/4	1,851.57	3/4	2,212.02	3/4	2,573.19	3/4	2,934.30	3/4	3,295.16
2	68.10	2	429.31	2	778.92	2	1,137.42	2	1,498.42	2	1,859.07	2	2,219.55	2	2,580.71	2	2,941.81	2	3,302.68
1/4	75.63	1/4	436.83	1/4	786.16	1/4	1,144.94	1/4	1,505.94	1/4	1,866.58	1/4	2,227.07	1/4	2,588.23	1/4	2,949.33	1/4	3,310.20
1/2	83.15	1/2	444.36	1/2	793.39	1/2	1,152.46	1/2	1,513.46	1/2	1,874.08	1/2	2,234.60	1/2	2,595.76	1/2	2,956.85	1/2	3,317.73
3/4	90.68	3/4	451.88	3/4	800.63	3/4	1,159.98	3/4	1,520.98	3/4	1,881.58	3/4	2,242.12	3/4	2,603.28	3/4	2,964.37	3/4	3,325.25
3	98.20	3	459.41	3	807.86	3	1,167.50	3	1,528.51	3	1,889.08	3	2,249.65	3	2,610.81	3	2,971.88	3	3,332.77
1/4	105.73	1/4	466.93	1/4	815.09	1/4	1,175.02	1/4	1,536.03	1/4	1,896.58	1/4	2,257.17	1/4	2,618.33	1/4	2,979.40	1/4	3,340.30
1/2	113.25	1/2	474.46	1/2	822.33	1/2	1,182.54	1/2	1,543.55	1/2	1,904.08	1/2	2,264.69	1/2	2,625.86	1/2	2,986.92	1/2	3,347.82
3/4	120.78	3/4	481.98	3/4	829.56	3/4	1,190.06	3/4	1,551.07	3/4	1,911.58	3/4	2,272.22	3/4	2,633.38	3/4	2,994.43	3/4	3,355.34
4	128.30	4	489.51	4	836.80	4	1,197.59	4	1,558.59	4	1,919.08	4	2,279.74	4	2,640.90	4	3,001.95	4	3,362.87
1/4	135.83	1/4	496.75	1/4	844.31	1/4	1,205.11	1/4	1,566.11	1/4	1,926.59	1/4	2,287.27	1/4	2,648.43	1/4	3,009.47	1/4	3,370.39
1/2	143.35	1/2	504.00	1/2	851.82	1/2	1,212.63	1/2	1,573.63	1/2	1,934.09	1/2	2,294.79	1/2	2,655.95	1/2	3,016.99	1/2	3,377.91
3/4	150.88	3/4	511.24	3/4	859.33	3/4	1,220.15	3/4	1,581.15	3/4	1,941.59	3/4	2,302.31	3/4	2,663.48	3/4	3,024.50	3/4	3,385.44
5	158.40	5	518.48	5	866.84	5	1,227.67	5	1,588.67	5	1,949.09	5	2,309.84	5	2,671.00	5	3,032.02	5	3,392.96
1/4	165.93	1/4	525.72	1/4	874.36	1/4	1,235.19	1/4	1,596.19	1/4	1,956.59	1/4	2,317.36	1/4	2,678.52	1/4	3,039.54	1/4	3,399.34
1/2	173.45	1/2	532.95	1/2	881.87	1/2	1,242.71	1/2	1,603.71	1/2	1,964.09	1/2	2,324.89	1/2	2,686.05	1/2	3,047.05	1/2	3,405.72
3/4	180.98	3/4	540.19	3/4	889.38	3/4	1,250.23	3/4	1,611.24	3/4	1,971.59	3/4	2,332.41	3/4	2,693.57	3/4	3,054.57	3/4	3,412.10
6	188.50	6	547.42	6	896.89	6	1,257.75	6	1,618.76	6	1,979.09	6	2,339.94	6	2,701.10	6	3,062.09	6	3,418.48
1/4	196.03	1/4	554.66	1/4	904.40	1/4	1,265.27	1/4	1,626.28	1/4	1,986.59	1/4	2,347.46	1/4	2,708.62	1/4	3,069.61	1/4	3,424.86
1/2	203.55	1/2	561.89	1/2	911.92	1/2	1,272.79	1/2	1,633.80	1/2	1,994.10	1/2	2,354.98	1/2	2,716.15	1/2	3,077.12	1/2	3,431.24
3/4	211.08	3/4	569.12	3/4	919.43	3/4	1,280.32	3/4	1,641.32	3/4	2,001.60	3/4	2,362.51	3/4	2,723.67	3/4	3,084.64	3/4	3,437.62
7	218.60	7	576.36	7	926.94	7	1,287.84	7	1,648.84	7	2,009.10	7	2,370.03	7	2,731.19	7	3,092.16	7	3,444.00
1/4	226.13	1/4	583.59	1/4	934.45	1/4	1,295.36	1/4	1,656.36	1/4	2,016.60	1/4	2,377.56	1/4	2,738.72	1/4	3,099.67	1/4	3,450.38
1/2	233.65	1/2	590.83	1/2	941.96	1/2	1,302.88	1/2	1,663.88	1/2	2,024.10	1/2	2,385.08	1/2	2,746.24	1/2	3,107.19	1/2	3,456.76
3/4	241.18	3/4	598.06	3/4	949.48	3/4	1,310.40	3/4	1,671.40	3/4	2,031.60	3/4	2,392.60	3/4	2,753.77	3/4	3,114.71	3/4	3,463.14
8	248.70	8	605.30	8	956.99	8	1,317.92	8	1,678.92	8	2,039.10	8	2,400.13	8	2,761.29	8	3,122.23	8	3,469.52
1/4	256.23	1/4	612.53	1/4	964.50	1/4	1,325.44	1/4	1,686.44	1/4	2,046.60	1/4	2,407.65	1/4	2,768.81	1/4	3,129.74	1/4	3,475.90
1/2	263.76	1/2	619.76	1/2	972.01	1/2	1,332.96	1/2	1,693.97	1/2	2,054.11	1/2	2,415.18	1/2	2,776.34	1/2	3,137.26	1/2	3,482.28
3/4	271.28	3/4	626.98	3/4	979.52	3/4	1,340.48	3/4	1,701.49	3/4	2,061.61	3/4	2,422.70	3/4	2,783.86	3/4	3,144.78	3/4	3,488.66
9	278.81	9	634.21	9	987.04	9	1,348.00	9	1,709.01	9	2,069.11	9	2,430.23	9	2,791.39	9	3,152.29	9	3,495.04
1/4	286.33	1/4	641.44	1/4	994.55	1/4	1,355.52	1/4	1,716.52	1/4	2,076.62	1/4	2,437.75	1/4	2,798.91	1/4	3,159.81	1/4	3,501.42
1/2	293.86	1/2	648.67	1/2	1,002.06	1/2	1,363.05	1/2	1,724.03	1/2	2,084.13	1/2	2,445.27	1/2	2,806.44	1/2	3,167.33	1/2	3,507.80
3/4	301.38	3/4	655.90	3/4	1,009.57	3/4	1,370.57	3/4	1,731.54	3/4	2,091.65	3/4	2,452.80	3/4	2,813.96	3/4	3,174.84	3/4	3,514.18
10	308.91	10	663.13	10	1,017.08	10	1,378.09	10	1,739.06	10	2,099.16	10	2,460.32	10	2,821.48	10	3,182.36	10	3,520.56
1/4	316.43	1/4	670.37	1/4	1,024.60	1/4	1,385.61	1/4	1,746.56	1/4	2,106.69	1/4	2,467.85	1/4	2,829.01	1/4	3,189.88	1/4	3,526.94
1/2	323.96	1/2	677.60	1/2	1,032.13	1/2	1,393.13	1/2	1,754.06	1/2	2,114.21	1/2	2,475.37	1/2	2,836.53	1/2	3,197.39	1/2	3,533.32
3/4	331.48	3/4	684.84	3/4	1,039.65	3/4	1,400.65	3/4	1,761.56	3/4	2,121.73	3/4	2,482.90	3/4	2,844.06	3/4	3,204.91	3/4	3,539.70
11	339.01	11	692.07	11	1,047.17	11	1,408.17	11	1,769.06	11	2,129.26	11	2,490.42	11	2,851.58	11	3,212.43	11	3,546.08
1/4	346.53	1/4	699.30	1/4	1,054.69	1/4	1,415.69	1/4	1,776.56	1/4	2,136.78	1/4	2,497.94	1/4	2,859.11	1/4	3,219.94	1/4	3,552.46
1/2	354.06	1/2	706.54	1/2	1,062.21	1/2	1,423.21	1/2	1,784.06	1/2	2,144.31	1/2	2,505.47	1/2	2,866.63	1/2	3,227.46	1/2	3,558.84
3/4	361.58	3/4	713.77	3/4	1,069.73	3/4	1,430.73	3/4	1,791.56	3/4	2,151.83	3/4	2,512.99	3/4	2,874.15	3/4	3,234.98	3/4	3,565.22

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.
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>



BARGE "EMS 379"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

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	3,571.60	0	3,877.85	0	4,184.09	0	4,489.61	0		0		0		0		0		0	
1/4	3,577.98	1/4	3,884.23	1/4	4,190.47	1/4	4,495.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,584.36	1/2	3,890.61	1/2	4,196.85	1/2	4,502.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,590.74	3/4	3,896.99	3/4	4,203.23	3/4	4,508.64	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,597.12	1	3,903.37	1	4,209.61	1	4,514.98	1		1		1		1		1		1	
1/4	3,603.50	1/4	3,909.75	1/4	4,215.99	1/4	4,521.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,609.88	1/2	3,916.13	1/2	4,222.37	1/2	4,527.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,616.26	3/4	3,922.51	3/4	4,228.75	3/4	4,534.01	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,622.64	2	3,928.89	2	4,235.13	2	4,540.36	2		2		2		2		2		2	
1/4	3,629.02	1/4	3,935.27	1/4	4,241.51	1/4	4,546.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,635.40	1/2	3,941.65	1/2	4,247.89	1/2	4,553.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,641.78	3/4	3,948.03	3/4	4,254.27	3/4	4,559.39	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,648.16	3	3,954.41	3	4,260.65	3	4,565.73	3		3		3		3		3		3	
1/4	3,654.54	1/4	3,960.79	1/4	4,267.03	1/4	4,572.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,660.92	1/2	3,967.17	1/2	4,273.41	1/2	4,578.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,667.30	3/4	3,973.55	3/4	4,279.79	3/4	4,584.76	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,673.68	4	3,979.93	4	4,286.17	4	4,591.11	4		4		4		4		4		4	
1/4	3,680.06	1/4	3,986.31	1/4	4,292.55	1/4	4,597.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,686.44	1/2	3,992.69	1/2	4,298.93	1/2	4,603.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,692.82	3/4	3,999.07	3/4	4,305.31	3/4	4,610.14	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,699.20	5	4,005.45	5	4,311.69	5	4,616.48	5		5		5		5		5		5	
1/4	3,705.58	1/4	4,011.83	1/4	4,318.07	1/4	4,622.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,711.96	1/2	4,018.21	1/2	4,324.45	1/2	4,629.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,718.34	3/4	4,024.59	3/4	4,330.83	3/4	4,635.51	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,724.72	6	4,030.97	6	4,337.21	6	4,641.86	6		6		6		6		6		6	
1/4	3,731.10	1/4	4,037.35	1/4	4,343.59	1/4	4,648.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,737.48	1/2	4,043.73	1/2	4,349.97	1/2	4,654.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,743.87	3/4	4,050.11	3/4	4,356.35	3/4	4,660.89	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,750.25	7	4,056.49	7	4,362.73	7	4,667.23	7		7		7		7		7		7	
1/4	3,756.63	1/4	4,062.87	1/4	4,369.08	1/4	4,674.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,763.01	1/2	4,069.25	1/2	4,375.42	1/2	4,682.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,769.39	3/4	4,075.63	3/4	4,381.77	3/4	4,689.43	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,775.77	8	4,082.01	8	4,388.11	8	4,696.83	8		8		8		8		8		8	
1/4	3,782.15	1/4	4,088.39	1/4	4,394.45	1/4	4,703.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,788.53	1/2	4,094.77	1/2	4,400.80	1/2	4,710.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,794.91	3/4	4,101.15	3/4	4,407.14	3/4	4,717.89	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,801.29	9	4,107.53	9	4,413.48	9	4,724.90	9		9		9		9		9		9	
1/4	3,807.67	1/4	4,113.91	1/4	4,419.83	1/4	4,730.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,814.05	1/2	4,120.29	1/2	4,426.17	1/2	4,736.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,820.43	3/4	4,126.67	3/4	4,432.52	3/4	4,741.97	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,826.81	10	4,133.05	10	4,438.86	10		10		10		10		10		10		10	
1/4	3,833.19	1/4	4,139.43	1/4	4,445.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,839.57	1/2	4,145.81	1/2	4,451.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,845.95	3/4	4,152.19	3/4	4,457.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,852.33	11	4,158.57	11	4,464.23	11		11		11		11		11		11		11	
1/4	3,858.71	1/4	4,164.95	1/4	4,470.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,865.09	1/2	4,171.33	1/2	4,476.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,871.47	3/4	4,177.71	3/4	4,483.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2012 CL - SW
CALCULATED: 10/24/2012 CL
PRINTED: 10/24/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "EMS 379"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 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	17.58	0	368.68	0	721.90	0	1,078.91	0	1,439.51	0	1,799.38	0	2,157.22	0	2,517.69	0	2,878.34	0	3,238.68
1/4	22.96	1/4	376.20	1/4	729.18	1/4	1,086.42	1/4	1,447.03	1/4	1,806.82	1/4	2,164.73	1/4	2,525.19	1/4	2,885.85	1/4	3,246.19
1/2	28.34	1/2	383.71	1/2	736.46	1/2	1,093.93	1/2	1,454.54	1/2	1,814.26	1/2	2,172.25	1/2	2,532.70	1/2	2,893.36	1/2	3,253.70
3/4	33.71	3/4	391.23	3/4	743.74	3/4	1,101.45	3/4	1,462.05	3/4	1,821.70	3/4	2,179.77	3/4	2,540.20	3/4	2,900.86	3/4	3,261.22
1	39.09	1	398.74	1	751.02	1	1,108.96	1	1,469.56	1	1,829.14	1	2,187.28	1	2,547.71	1	2,908.37	1	3,268.73
1/4	46.33	1/4	406.26	1/4	758.31	1/4	1,116.47	1/4	1,477.08	1/4	1,836.58	1/4	2,194.80	1/4	2,555.22	1/4	2,915.88	1/4	3,276.24
1/2	53.58	1/2	413.77	1/2	765.60	1/2	1,123.98	1/2	1,484.59	1/2	1,844.01	1/2	2,202.31	1/2	2,562.74	1/2	2,923.38	1/2	3,283.76
3/4	60.83	3/4	421.29	3/4	772.89	3/4	1,131.50	3/4	1,492.10	3/4	1,851.45	3/4	2,209.83	3/4	2,570.25	3/4	2,930.89	3/4	3,291.27
2	68.07	2	428.80	2	780.18	2	1,139.01	2	1,499.61	2	1,858.89	2	2,217.35	2	2,577.77	2	2,938.40	2	3,298.79
1/4	75.59	1/4	436.32	1/4	787.47	1/4	1,146.52	1/4	1,507.13	1/4	1,866.33	1/4	2,224.86	1/4	2,585.28	1/4	2,945.91	1/4	3,306.30
1/2	83.10	1/2	443.83	1/2	794.76	1/2	1,154.03	1/2	1,514.64	1/2	1,873.77	1/2	2,232.38	1/2	2,592.80	1/2	2,953.41	1/2	3,313.81
3/4	90.62	3/4	451.35	3/4	802.05	3/4	1,161.55	3/4	1,522.15	3/4	1,881.21	3/4	2,239.89	3/4	2,600.31	3/4	2,960.92	3/4	3,321.33
3	98.13	3	458.86	3	809.34	3	1,169.06	3	1,529.66	3	1,888.65	3	2,247.41	3	2,607.82	3	2,968.43	3	3,328.84
1/4	105.65	1/4	466.38	1/4	816.63	1/4	1,176.57	1/4	1,537.18	1/4	1,896.09	1/4	2,254.92	1/4	2,615.34	1/4	2,975.93	1/4	3,336.35
1/2	113.16	1/2	473.89	1/2	823.92	1/2	1,184.08	1/2	1,544.69	1/2	1,903.53	1/2	2,262.44	1/2	2,622.85	1/2	2,983.44	1/2	3,343.87
3/4	120.68	3/4	481.41	3/4	831.21	3/4	1,191.60	3/4	1,552.20	3/4	1,910.96	3/4	2,269.96	3/4	2,630.37	3/4	2,990.95	3/4	3,351.38
4	128.19	4	488.92	4	838.50	4	1,199.11	4	1,559.71	4	1,918.40	4	2,277.47	4	2,637.88	4	2,998.46	4	3,358.89
1/4	135.71	1/4	496.21	1/4	846.02	1/4	1,206.62	1/4	1,567.23	1/4	1,925.84	1/4	2,284.99	1/4	2,645.40	1/4	3,005.96	1/4	3,366.41
1/2	143.22	1/2	503.50	1/2	853.53	1/2	1,214.13	1/2	1,574.74	1/2	1,933.28	1/2	2,292.50	1/2	2,652.91	1/2	3,013.47	1/2	3,373.92
3/4	150.74	3/4	510.80	3/4	861.04	3/4	1,221.65	3/4	1,582.25	3/4	1,940.72	3/4	2,300.02	3/4	2,660.42	3/4	3,020.98	3/4	3,381.43
5	158.25	5	518.09	5	868.56	5	1,229.16	5	1,589.76	5	1,948.16	5	2,307.54	5	2,667.94	5	3,028.48	5	3,388.95
1/4	165.77	1/4	525.37	1/4	876.07	1/4	1,236.67	1/4	1,597.28	1/4	1,955.60	1/4	2,315.04	1/4	2,675.45	1/4	3,035.99	1/4	3,395.33
1/2	173.29	1/2	532.65	1/2	883.58	1/2	1,244.19	1/2	1,604.79	1/2	1,963.04	1/2	2,322.55	1/2	2,682.97	1/2	3,043.50	1/2	3,401.71
3/4	180.80	3/4	539.93	3/4	891.09	3/4	1,251.70	3/4	1,612.30	3/4	1,970.48	3/4	2,330.05	3/4	2,690.48	3/4	3,051.01	3/4	3,408.09
6	188.32	6	547.21	6	898.61	6	1,259.21	6	1,619.82	6	1,977.92	6	2,337.56	6	2,698.00	6	3,058.51	6	3,414.47
1/4	195.83	1/4	554.49	1/4	906.12	1/4	1,266.72	1/4	1,627.33	1/4	1,985.35	1/4	2,345.06	1/4	2,705.51	1/4	3,066.02	1/4	3,420.85
1/2	203.35	1/2	561.77	1/2	913.63	1/2	1,274.24	1/2	1,634.84	1/2	1,992.79	1/2	2,352.57	1/2	2,713.03	1/2	3,073.53	1/2	3,427.24
3/4	210.86	3/4	569.05	3/4	921.14	3/4	1,281.75	3/4	1,642.35	3/4	2,000.23	3/4	2,360.07	3/4	2,720.54	3/4	3,081.03	3/4	3,433.62
7	218.38	7	576.33	7	928.66	7	1,289.26	7	1,649.87	7	2,007.67	7	2,367.58	7	2,728.05	7	3,088.54	7	3,440.00
1/4	225.89	1/4	583.61	1/4	936.17	1/4	1,296.77	1/4	1,657.38	1/4	2,015.11	1/4	2,375.08	1/4	2,735.57	1/4	3,096.05	1/4	3,446.38
1/2	233.41	1/2	590.89	1/2	943.68	1/2	1,304.29	1/2	1,664.89	1/2	2,022.55	1/2	2,382.59	1/2	2,743.08	1/2	3,103.56	1/2	3,452.76
3/4	240.92	3/4	598.17	3/4	951.19	3/4	1,311.80	3/4	1,672.40	3/4	2,029.99	3/4	2,390.10	3/4	2,750.60	3/4	3,111.06	3/4	3,459.14
8	248.44	8	605.45	8	958.71	8	1,319.31	8	1,679.92	8	2,037.43	8	2,397.60	8	2,758.11	8	3,118.57	8	3,465.53
1/4	255.95	1/4	612.72	1/4	966.22	1/4	1,326.82	1/4	1,687.43	1/4	2,044.87	1/4	2,405.11	1/4	2,765.63	1/4	3,126.08	1/4	3,471.91
1/2	263.47	1/2	620.00	1/2	973.73	1/2	1,334.34	1/2	1,694.94	1/2	2,052.30	1/2	2,412.61	1/2	2,773.14	1/2	3,133.58	1/2	3,478.29
3/4	270.98	3/4	627.28	3/4	981.24	3/4	1,341.85	3/4	1,702.45	3/4	2,059.74	3/4	2,420.12	3/4	2,780.66	3/4	3,141.09	3/4	3,484.67
9	278.50	9	634.55	9	988.76	9	1,349.36	9	1,709.97	9	2,067.18	9	2,427.62	9	2,788.17	9	3,148.60	9	3,491.05
1/4	286.01	1/4	641.83	1/4	996.27	1/4	1,356.87	1/4	1,717.44	1/4	2,074.66	1/4	2,435.13	1/4	2,795.68	1/4	3,156.10	1/4	3,497.43
1/2	293.53	1/2	649.10	1/2	1,003.78	1/2	1,364.39	1/2	1,724.92	1/2	2,082.14	1/2	2,442.63	1/2	2,803.20	1/2	3,163.61	1/2	3,503.81
3/4	301.04	3/4	656.38	3/4	1,011.29	3/4	1,371.90	3/4	1,732.39	3/4	2,089.61	3/4	2,450.14	3/4	2,810.71	3/4	3,171.12	3/4	3,510.20
10	308.56	10	663.66	10	1,018.81	10	1,379.41	10	1,739.87	10	2,097.09	10	2,457.64	10	2,818.23	10	3,178.63	10	3,516.58
1/4	316.07	1/4	670.94	1/4	1,026.32	1/4	1,386.92	1/4	1,747.31	1/4	2,104.61	1/4	2,465.15	1/4	2,825.74	1/4	3,186.13	1/4	3,522.96
1/2	323.59	1/2	678.22	1/2	1,033.83	1/2	1,394.44	1/2	1,754.75	1/2	2,112.12	1/2	2,472.65	1/2	2,833.26	1/2	3,193.64	1/2	3,529.34
3/4	331.10	3/4	685.50	3/4	1,041.34	3/4	1,401.95	3/4	1,762.19	3/4	2,119.64	3/4	2,480.16	3/4	2,840.77	3/4	3,201.15	3/4	3,535.72
11	338.62	11	692.78	11	1,048.86	11	1,409.46	11	1,769.63	11	2,127.15	11	2,487.67	11	2,848.28	11	3,208.65	11	3,542.10
1/4	346.13	1/4	700.06	1/4	1,056.37	1/4	1,416.97	1/4	1,777.06	1/4	2,134.67	1/4	2,495.17	1/4	2,855.80	1/4	3,216.16	1/4	3,548.48
1/2	353.65	1/2	707.34	1/2	1,063.88	1/2	1,424.49	1/2	1,784.50	1/2	2,142.19	1/2	2,502.68	1/2	2,863.31	1/2	3,223.66	1/2	3,554.87
3/4	361.17	3/4	714.62	3/4	1,071.40	3/4	1,432.00	3/4	1,791.94	3/4	2,149.70	3/4	2,510.18	3/4	2,870.83	3/4	3,231.17	3/4	3,561.25

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.
 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>



BARGE "EMS 379"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 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	3,567.63	0	3,873.94	0	4,180.25	0	4,485.84	0		0		0		0		0		0	
1/4	3,574.01	1/4	3,880.32	1/4	4,186.63	1/4	4,492.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,580.39	1/2	3,886.70	1/2	4,193.02	1/2	4,498.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,586.77	3/4	3,893.09	3/4	4,199.40	3/4	4,504.87	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,593.16	1	3,899.47	1	4,205.78	1	4,511.22	1		1		1		1		1		1	
1/4	3,599.54	1/4	3,905.85	1/4	4,212.16	1/4	4,517.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,605.92	1/2	3,912.23	1/2	4,218.54	1/2	4,523.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,612.30	3/4	3,918.61	3/4	4,224.92	3/4	4,530.25	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,618.68	2	3,924.99	2	4,231.31	2	4,536.60	2		2		2		2		2		2	
1/4	3,625.06	1/4	3,931.37	1/4	4,237.69	1/4	4,542.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,631.44	1/2	3,937.76	1/2	4,244.07	1/2	4,549.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,637.83	3/4	3,944.14	3/4	4,250.45	3/4	4,555.63	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,644.21	3	3,950.52	3	4,256.83	3	4,561.98	3		3		3		3		3		3	
1/4	3,650.59	1/4	3,956.90	1/4	4,263.21	1/4	4,568.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,656.97	1/2	3,963.28	1/2	4,269.59	1/2	4,574.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,663.35	3/4	3,969.66	3/4	4,275.98	3/4	4,581.01	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,669.73	4	3,976.05	4	4,282.36	4	4,587.36	4		4		4		4		4		4	
1/4	3,676.11	1/4	3,982.43	1/4	4,288.74	1/4	4,593.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,682.50	1/2	3,988.81	1/2	4,295.12	1/2	4,600.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,688.88	3/4	3,995.19	3/4	4,301.50	3/4	4,606.39	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,695.26	5	4,001.57	5	4,307.88	5	4,612.74	5		5		5		5		5		5	
1/4	3,701.64	1/4	4,007.95	1/4	4,314.26	1/4	4,619.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,708.02	1/2	4,014.33	1/2	4,320.65	1/2	4,625.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,714.40	3/4	4,020.72	3/4	4,327.03	3/4	4,631.77	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,720.79	6	4,027.10	6	4,333.41	6	4,638.12	6		6		6		6		6		6	
1/4	3,727.17	1/4	4,033.48	1/4	4,339.79	1/4	4,644.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,733.55	1/2	4,039.86	1/2	4,346.17	1/2	4,650.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,739.93	3/4	4,046.24	3/4	4,352.55	3/4	4,657.15	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,746.31	7	4,052.62	7	4,358.94	7	4,663.50	7		7		7		7		7		7	
1/4	3,752.69	1/4	4,059.00	1/4	4,365.28	1/4	4,670.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,759.07	1/2	4,065.39	1/2	4,371.63	1/2	4,678.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,765.46	3/4	4,071.77	3/4	4,377.97	3/4	4,685.70	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,771.84	8	4,078.15	8	4,384.32	8	4,693.11	8		8		8		8		8		8	
1/4	3,778.22	1/4	4,084.53	1/4	4,390.66	1/4	4,700.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,784.60	1/2	4,090.91	1/2	4,397.01	1/2	4,707.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,790.98	3/4	4,097.29	3/4	4,403.35	3/4	4,714.16	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,797.36	9	4,103.68	9	4,409.70	9	4,721.18	9		9		9		9		9		9	
1/4	3,803.74	1/4	4,110.06	1/4	4,416.04	1/4	4,728.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,810.13	1/2	4,116.44	1/2	4,422.39	1/2	4,732.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,816.51	3/4	4,122.82	3/4	4,428.73	3/4	4,738.25	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,822.89	10	4,129.20	10	4,435.08	10		10		10		10		10		10		10	
1/4	3,829.27	1/4	4,135.58	1/4	4,441.42	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,835.65	1/2	4,141.96	1/2	4,447.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,842.03	3/4	4,148.35	3/4	4,454.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,848.42	11	4,154.73	11	4,460.46	11		11		11		11		11		11		11	
1/4	3,854.80	1/4	4,161.11	1/4	4,466.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,861.18	1/2	4,167.49	1/2	4,473.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,867.56	3/4	4,173.87	3/4	4,479.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 10/24/2012 CL - SW
CALCULATED: 10/24/2012 CL
PRINTED: 10/24/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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 379"

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"

October 24, 2012

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 379"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.										
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0									
					4,244.35				3,914.29				3,582.84				3,251.38			2,919.93				2,588.45				2,256.95
1/4		1/4		1/4		1/4	4,237.48	1/4	3,907.39	1/4	3,575.93	1/4	3,244.48	1/4	2,913.02	1/4	2,581.54	1/4		2,250.04								
1/2		1/2		1/2		1/2	4,230.61	1/2	3,900.48	1/2	3,569.03	1/2	3,237.57	1/2	2,906.12	1/2	2,574.64	1/2		2,243.13								
3/4		3/4		3/4		3/4	4,223.75	3/4	3,893.57	3/4	3,562.12	3/4	3,230.67	3/4	2,899.21	3/4	2,567.73	3/4		2,236.23								
1	1	1		1		1	4,216.88	1	3,886.67	1	3,555.22	1	3,223.76	1	2,892.31	1	2,560.82	1		2,229.32								
1/4		1/4		1/4		1/4	4,210.02	1/4	3,879.76	1/4	3,548.31	1/4	3,216.86	1/4	2,885.40	1/4	2,553.92	1/4		2,222.41								
1/2		1/2		1/2		1/2	4,203.15	1/2	3,872.86	1/2	3,541.40	1/2	3,209.95	1/2	2,878.50	1/2	2,547.01	1/2		2,215.51								
3/4		3/4		3/4		3/4	4,196.29	3/4	3,865.95	3/4	3,534.50	3/4	3,203.05	3/4	2,871.59	3/4	2,540.10	3/4		2,208.60								
2	2	2		2		2	4,189.42	2	3,859.05	2	3,527.59	2	3,196.14	2	2,864.69	2	2,533.20	2		2,201.70								
1/4		1/4		1/4		1/4	4,182.56	1/4	3,852.14	1/4	3,520.69	1/4	3,189.23	1/4	2,857.78	1/4	2,526.29	1/4		2,194.79								
1/2		1/2		1/2		1/2	4,175.69	1/2	3,845.24	1/2	3,513.78	1/2	3,182.33	1/2	2,850.87	1/2	2,519.39	1/2		2,187.88								
3/4		3/4		3/4		3/4	4,168.83	3/4	3,838.33	3/4	3,506.88	3/4	3,175.42	3/4	2,843.97	3/4	2,512.48	3/4		2,180.98								
3	3	3		3		3	4,161.96	3	3,831.43	3	3,499.97	3	3,168.52	3	2,837.06	3	2,505.57	3		2,174.07								
1/4		1/4		1/4		1/4	4,155.10	1/4	3,824.52	1/4	3,493.07	1/4	3,161.61	1/4	2,830.16	1/4	2,498.67	1/4		2,167.16								
1/2		1/2		1/2		1/2	4,148.23	1/2	3,817.62	1/2	3,486.16	1/2	3,154.71	1/2	2,823.25	1/2	2,491.76	1/2		2,160.26								
3/4		3/4		3/4		3/4	4,141.37	3/4	3,810.71	3/4	3,479.26	3/4	3,147.80	3/4	2,816.35	3/4	2,484.85	3/4		2,153.35								
4	4	4		4		4	4,134.50	4	3,803.81	4	3,472.35	4	3,140.90	4	2,809.44	4	2,477.95	4		2,146.45								
1/4		1/4		1/4		1/4	4,127.64	1/4	3,796.90	1/4	3,465.45	1/4	3,133.99	1/4	2,802.54	1/4	2,471.04	1/4		2,139.54								
1/2		1/2		1/2		1/2	4,120.77	1/2	3,790.00	1/2	3,458.54	1/2	3,127.09	1/2	2,795.63	1/2	2,464.13	1/2		2,132.63								
3/4		3/4		3/4		3/4	4,113.90	3/4	3,783.09	3/4	3,451.64	3/4	3,120.18	3/4	2,788.73	3/4	2,457.23	3/4		2,125.73								
5	5	5		5		5	4,107.04	5	3,776.18	5	3,444.73	5	3,113.28	5	2,781.82	5	2,450.32	5		2,118.82								
1/4		1/4		1/4		1/4	4,100.17	1/4	3,769.28	1/4	3,437.83	1/4	3,106.37	1/4	2,774.92	1/4	2,443.42	1/4		2,111.91								
1/2		1/2		1/2		1/2	4,093.31	1/2	3,762.37	1/2	3,430.92	1/2	3,099.47	1/2	2,768.01	1/2	2,436.51	1/2		2,105.01								
3/4		3/4		3/4		3/4	4,086.44	3/4	3,755.47	3/4	3,424.01	3/4	3,092.56	3/4	2,761.11	3/4	2,429.60	3/4		2,098.10								
6	6	6		6	4,402.19	6	4,079.58	6	3,748.56	6	3,417.11	6	3,085.65	6	2,754.20	6	2,422.70	6		2,091.19								
1/4		1/4		1/4		1/4	4,396.96	1/4	4,072.71	1/4	3,741.66	1/4	3,410.20	1/4	3,078.75	1/4	2,747.29	1/4		2,084.29								
1/2		1/2		1/2		1/2	4,391.74	1/2	4,065.85	1/2	3,734.75	1/2	3,403.30	1/2	3,071.84	1/2	2,740.39	1/2		2,077.38								
3/4		3/4		3/4		3/4	4,386.52	3/4	4,058.98	3/4	3,727.85	3/4	3,396.39	3/4	3,064.94	3/4	2,733.48	3/4		2,070.48								
7	7	7		7	4,380.08	7	4,052.12	7	3,720.94	7	3,389.49	7	3,058.03	7	2,726.57	7	2,395.07	7		2,063.57								
1/4		1/4		1/4		1/4	4,373.64	1/4	4,045.25	1/4	3,714.04	1/4	3,382.58	1/4	3,051.13	1/4	2,719.67	1/4		2,056.66								
1/2		1/2		1/2		1/2	4,367.20	1/2	4,038.39	1/2	3,707.13	1/2	3,375.68	1/2	3,044.22	1/2	2,712.76	1/2		2,049.76								
3/4		3/4		3/4		3/4	4,360.76	3/4	4,031.52	3/4	3,700.23	3/4	3,368.77	3/4	3,037.32	3/4	2,705.86	3/4		2,042.85								
8	8	8		8	4,353.97	8	4,024.66	8	3,693.32	8	3,361.87	8	3,030.41	8	2,698.95	8	2,367.45	8		2,035.94								
1/4		1/4		1/4		1/4	4,347.18	1/4	4,017.79	1/4	3,686.42	1/4	3,354.96	1/4	3,023.51	1/4	2,692.04	1/4		2,029.04								
1/2		1/2		1/2		1/2	4,340.39	1/2	4,010.93	1/2	3,679.51	1/2	3,348.06	1/2	3,016.60	1/2	2,685.14	1/2		2,022.13								
3/4		3/4		3/4		3/4	4,333.59	3/4	4,004.06	3/4	3,672.61	3/4	3,341.15	3/4	3,009.70	3/4	2,678.23	3/4		2,015.23								
9	9	9		9	4,326.73	9	3,997.15	9	3,665.70	9	3,334.25	9	3,002.79	9	2,671.32	9	2,339.82	9		2,008.32								
1/4		1/4		1/4		1/4	4,319.86	1/4	3,990.25	1/4	3,658.79	1/4	3,327.34	1/4	2,995.89	1/4	2,664.42	1/4		2,001.41								
1/2		1/2		1/2		1/2	4,313.00	1/2	3,983.34	1/2	3,651.89	1/2	3,320.44	1/2	2,988.98	1/2	2,657.51	1/2		1,994.51								
3/4		3/4		3/4		3/4	4,306.13	3/4	3,976.44	3/4	3,644.98	3/4	3,313.53	3/4	2,982.08	3/4	2,650.61	3/4		1,987.60								
10	10	10		10	4,299.27	10	3,969.53	10	3,638.08	10	3,306.62	10	2,975.17	10	2,643.70	10	2,312.20	10		1,980.69								
1/4		1/4		1/4		1/4	4,292.40	1/4	3,962.63	1/4	3,631.17	1/4	2,968.26	1/4	2,636.79	1/4	2,305.29	1/4		1,973.79								
1/2		1/2		1/2		1/2	4,285.54	1/2	3,955.72	1/2	3,624.27	1/2	2,961.36	1/2	2,629.89	1/2	2,298.38	1/2		1,966.88								
3/4		3/4		3/4		3/4	4,278.67	3/4	3,948.82	3/4	3,617.36	3/4	2,954.45	3/4	2,622.98	3/4	2,291.48	3/4		1,959.98								
11	11	11		11	4,271.81	11	3,941.91	11	3,610.46	11	3,279.00	11	2,947.55	11	2,616.07	11	2,284.57	11		1,953.07								
1/4		1/4		1/4		1/4	4,264.94	1/4	3,935.01	1/4	3,603.55	1/4	2,940.64	1/4	2,609.17	1/4	2,277.66	1/4		1,946.16								
1/2		1/2		1/2		1/2	4,258.08	1/2	3,928.10	1/2	3,596.65	1/2	2,933.74	1/2	2,602.26	1/2	2,270.76	1/2		1,939.26								
3/4		3/4		3/4		3/4	4,251.21	3/4	3,921.20	3/4	3,589.74	3/4	2,926.83	3/4	2,595.35	3/4	2,263.85	3/4		1,932.35								

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'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "EMS 379"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,925.44	0	1,593.94	0	1,262.44	0	935.77	0	629.58	0	341.59	0	73.48	0		0		0	
1/4	1,918.54	1/4	1,587.03	1/4	1,255.53	1/4	929.19	1/4	623.38	1/4	335.81	1/4	68.11	1/4	1/4	1/4		1/4	
1/2	1,911.63	1/2	1,580.13	1/2	1,248.63	1/2	922.60	1/2	617.18	1/2	330.02	1/2	62.75	1/2	1/2	1/2		1/2	
3/4	1,904.72	3/4	1,573.22	3/4	1,241.72	3/4	916.01	3/4	610.98	3/4	324.24	3/4	57.38	3/4	3/4	3/4		3/4	
1	1,897.82	1	1,566.32	1	1,234.81	1	909.47	1	604.82	1	318.49	1	52.04	1	1	1		1	
1/4	1,890.91	1/4	1,559.41	1/4	1,227.91	1/4	902.94	1/4	598.66	1/4	312.74	1/4	46.70	1/4	1/4	1/4		1/4	
1/2	1,884.01	1/2	1,552.50	1/2	1,221.00	1/2	896.40	1/2	592.49	1/2	306.99	1/2	41.37	1/2	1/2	1/2		1/2	
3/4	1,877.10	3/4	1,545.60	3/4	1,214.09	3/4	889.86	3/4	586.33	3/4	301.24	3/4	36.03	3/4	3/4	3/4		3/4	
2	1,870.19	2	1,538.69	2	1,207.19	2	883.36	2	580.20	2	295.52	2	30.98	2	2	2		2	
1/4	1,863.29	1/4	1,531.78	1/4	1,200.28	1/4	876.86	1/4	574.07	1/4	289.81	1/4	25.93	1/4	1/4	1/4		1/4	
1/2	1,856.38	1/2	1,524.88	1/2	1,193.38	1/2	870.36	1/2	567.94	1/2	284.09	1/2	20.87	1/2	1/2	1/2		1/2	
3/4	1,849.47	3/4	1,517.97	3/4	1,186.47	3/4	863.86	3/4	561.81	3/4	278.38	3/4	15.82	3/4	3/4	3/4		3/4	
3	1,842.57	3	1,511.07	3	1,179.56	3	857.39	3	555.72	3	272.70	3	12.53	3	3	3		3	
1/4	1,835.66	1/4	1,504.16	1/4	1,172.66	1/4	850.92	1/4	549.62	1/4	267.02	1/4	9.23	1/4	1/4	1/4		1/4	
1/2	1,828.76	1/2	1,497.25	1/2	1,165.75	1/2	844.46	1/2	543.53	1/2	261.34	1/2	5.94	1/2	1/2	1/2		1/2	
3/4	1,821.85	3/4	1,490.35	3/4	1,158.84	3/4	837.99	3/4	537.43	3/4	255.66	3/4	2.65	3/4	3/4	3/4		3/4	
4	1,814.94	4	1,483.44	4	1,151.96	4	831.56	4	531.37	4	250.01	4		4	4	4		4	
1/4	1,808.04	1/4	1,476.53	1/4	1,145.07	1/4	825.13	1/4	525.31	1/4	244.37	1/4		1/4	1/4	1/4		1/4	
1/2	1,801.13	1/2	1,469.63	1/2	1,138.18	1/2	818.71	1/2	519.25	1/2	238.72	1/2		1/2	1/2	1/2		1/2	
3/4	1,794.22	3/4	1,462.72	3/4	1,131.29	3/4	812.28	3/4	513.19	3/4	233.07	3/4		3/4	3/4	3/4		3/4	
5	1,787.32	5	1,455.82	5	1,124.43	5	805.88	5	507.17	5	227.46	5		5	5	5		5	
1/4	1,780.41	1/4	1,448.91	1/4	1,117.58	1/4	799.49	1/4	501.14	1/4	221.85	1/4		1/4	1/4	1/4		1/4	
1/2	1,773.50	1/2	1,442.00	1/2	1,110.72	1/2	793.10	1/2	495.12	1/2	216.24	1/2		1/2	1/2	1/2		1/2	
3/4	1,766.60	3/4	1,435.10	3/4	1,103.87	3/4	786.70	3/4	489.09	3/4	210.63	3/4		3/4	3/4	3/4		3/4	
6	1,759.69	6	1,428.19	6	1,097.05	6	780.34	6	483.10	6	205.05	6		6	6	6		6	
1/4	1,752.79	1/4	1,421.28	1/4	1,090.23	1/4	773.98	1/4	477.11	1/4	199.47	1/4		1/4	1/4	1/4		1/4	
1/2	1,745.88	1/2	1,414.38	1/2	1,083.41	1/2	767.61	1/2	471.12	1/2	193.90	1/2		1/2	1/2	1/2		1/2	
3/4	1,738.97	3/4	1,407.47	3/4	1,076.59	3/4	761.25	3/4	465.12	3/4	188.32	3/4		3/4	3/4	3/4		3/4	
7	1,732.07	7	1,400.56	7	1,069.81	7	754.92	7	459.17	7	182.78	7		7	7	7		7	
1/4	1,725.16	1/4	1,393.66	1/4	1,063.02	1/4	748.59	1/4	453.21	1/4	177.24	1/4		1/4	1/4	1/4		1/4	
1/2	1,718.25	1/2	1,386.75	1/2	1,056.23	1/2	742.26	1/2	447.26	1/2	171.69	1/2		1/2	1/2	1/2		1/2	
3/4	1,711.35	3/4	1,379.85	3/4	1,049.45	3/4	735.93	3/4	441.30	3/4	166.15	3/4		3/4	3/4	3/4		3/4	
8	1,704.44	8	1,372.94	8	1,042.70	8	729.64	8	435.38	8	160.64	8		8	8	8		8	
1/4	1,697.54	1/4	1,366.03	1/4	1,035.95	1/4	723.34	1/4	429.45	1/4	155.14	1/4		1/4	1/4	1/4		1/4	
1/2	1,690.63	1/2	1,359.13	1/2	1,029.20	1/2	717.05	1/2	423.53	1/2	149.63	1/2		1/2	1/2	1/2		1/2	
3/4	1,683.72	3/4	1,352.22	3/4	1,022.45	3/4	710.75	3/4	417.61	3/4	144.12	3/4		3/4	3/4	3/4		3/4	
9	1,676.82	9	1,345.31	9	1,015.73	9	704.48	9	411.72	9	138.65	9		9	9	9		9	
1/4	1,669.91	1/4	1,338.41	1/4	1,009.01	1/4	698.21	1/4	405.83	1/4	133.17	1/4		1/4	1/4	1/4		1/4	
1/2	1,663.00	1/2	1,331.50	1/2	1,002.30	1/2	691.94	1/2	399.95	1/2	127.70	1/2		1/2	1/2	1/2		1/2	
3/4	1,656.10	3/4	1,324.60	3/4	995.58	3/4	685.66	3/4	394.06	3/4	122.23	3/4		3/4	3/4	3/4		3/4	
10	1,649.19	10	1,317.69	10	988.90	10	679.42	10	388.21	10	116.79	10		10	10	10		10	
1/4	1,642.29	1/4	1,310.78	1/4	982.22	1/4	673.19	1/4	382.35	1/4	111.35	1/4		1/4	1/4	1/4		1/4	
1/2	1,635.38	1/2	1,303.88	1/2	975.53	1/2	666.95	1/2	376.50	1/2	105.91	1/2		1/2	1/2	1/2		1/2	
3/4	1,628.47	3/4	1,296.97	3/4	968.85	3/4	660.71	3/4	370.65	3/4	100.47	3/4		3/4	3/4	3/4		3/4	
11	1,621.57	11	1,290.06	11	962.23	11	654.48	11	364.83	11	95.07	11		11	11	11		11	
1/4	1,614.66	1/4	1,283.16	1/4	955.61	1/4	648.24	1/4	359.01	1/4	89.66	1/4		1/4	1/4	1/4		1/4	
1/2	1,607.75	1/2	1,276.25	1/2	948.98	1/2	642.01	1/2	353.19	1/2	84.26	1/2		1/2	1/2	1/2		1/2	
3/4	1,600.85	3/4	1,269.34	3/4	942.36	3/4	635.78	3/4	347.37	3/4	78.85	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2012 CL - SW
CALCULATED: 10/24/2012 CL
PRINTED: 10/24/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "EMS 379"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 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	4,244.12	0	3,914.19	0	3,582.87	0	3,251.55	0	2,920.23	0	2,588.88	0	2,257.51
1/4		1/4		1/4		1/4	4,237.26	1/4	3,907.28	1/4	3,575.96	1/4	3,244.64	1/4	2,913.32	1/4	2,581.98	1/4	2,250.60
1/2		1/2		1/2		1/2	4,230.40	1/2	3,900.38	1/2	3,569.06	1/2	3,237.74	1/2	2,906.42	1/2	2,575.07	1/2	2,243.70
3/4		3/4		3/4		3/4	4,223.54	3/4	3,893.48	3/4	3,562.16	3/4	3,230.84	3/4	2,899.52	3/4	2,568.17	3/4	2,236.80
1		1		1		1	4,216.67	1	3,886.58	1	3,555.26	1	3,223.94	1	2,892.62	1	2,561.26	1	2,229.89
1/4		1/4		1/4		1/4	4,209.81	1/4	3,879.67	1/4	3,548.35	1/4	3,217.03	1/4	2,885.71	1/4	2,554.36	1/4	2,222.99
1/2		1/2		1/2		1/2	4,202.95	1/2	3,872.77	1/2	3,541.45	1/2	3,210.13	1/2	2,878.81	1/2	2,547.46	1/2	2,216.08
3/4		3/4		3/4		3/4	4,196.08	3/4	3,865.87	3/4	3,534.55	3/4	3,203.23	3/4	2,871.91	3/4	2,540.55	3/4	2,209.18
2		2		2		2	4,189.22	2	3,858.97	2	3,527.65	2	3,196.33	2	2,865.01	2	2,533.65	2	2,202.28
1/4		1/4		1/4		1/4	4,182.36	1/4	3,852.06	1/4	3,520.74	1/4	3,189.42	1/4	2,858.10	1/4	2,526.75	1/4	2,195.37
1/2		1/2		1/2		1/2	4,175.49	1/2	3,845.16	1/2	3,513.84	1/2	3,182.52	1/2	2,851.20	1/2	2,519.84	1/2	2,188.47
3/4		3/4		3/4		3/4	4,168.63	3/4	3,838.26	3/4	3,506.94	3/4	3,175.62	3/4	2,844.30	3/4	2,512.94	3/4	2,181.57
3		3		3		3	4,161.77	3	3,831.36	3	3,500.04	3	3,168.72	3	2,837.40	3	2,506.04	3	2,174.66
1/4		1/4		1/4		1/4	4,154.91	1/4	3,824.45	1/4	3,493.13	1/4	3,161.81	1/4	2,830.49	1/4	2,499.13	1/4	2,167.76
1/2		1/2		1/2		1/2	4,148.04	1/2	3,817.55	1/2	3,486.23	1/2	3,154.91	1/2	2,823.59	1/2	2,492.23	1/2	2,160.86
3/4		3/4		3/4		3/4	4,141.18	3/4	3,810.65	3/4	3,479.33	3/4	3,148.01	3/4	2,816.69	3/4	2,485.33	3/4	2,153.95
4		4		4		4	4,134.32	4	3,803.75	4	3,472.43	4	3,141.11	4	2,809.79	4	2,478.42	4	2,147.05
1/4		1/4		1/4		1/4	4,127.45	1/4	3,796.84	1/4	3,465.52	1/4	3,134.20	1/4	2,802.88	1/4	2,471.52	1/4	2,140.15
1/2		1/2		1/2		1/2	4,120.59	1/2	3,789.94	1/2	3,458.62	1/2	3,127.30	1/2	2,795.98	1/2	2,464.61	1/2	2,133.24
3/4		3/4		3/4		3/4	4,113.73	3/4	3,783.04	3/4	3,451.72	3/4	3,120.40	3/4	2,789.08	3/4	2,457.71	3/4	2,126.34
5		5		5		5	4,106.86	5	3,776.14	5	3,444.82	5	3,113.50	5	2,782.18	5	2,450.81	5	2,119.43
1/4		1/4		1/4		1/4	4,100.00	1/4	3,769.23	1/4	3,437.91	1/4	3,106.59	1/4	2,775.27	1/4	2,443.90	1/4	2,112.53
1/2		1/2		1/2		1/2	4,093.14	1/2	3,762.33	1/2	3,431.01	1/2	3,099.69	1/2	2,768.37	1/2	2,437.00	1/2	2,105.63
3/4		3/4		3/4		3/4	4,086.28	3/4	3,755.43	3/4	3,424.11	3/4	3,092.79	3/4	2,761.47	3/4	2,430.10	3/4	2,098.72
6		6		6	4,401.91	6	4,079.41	6	3,748.53	6	3,417.21	6	3,085.89	6	2,754.57	6	2,423.19	6	2,091.82
1/4		1/4		1/4	4,396.69	1/4	4,072.55	1/4	3,741.62	1/4	3,410.30	1/4	3,078.98	1/4	2,747.66	1/4	2,416.29	1/4	2,084.92
1/2		1/2		1/2	4,391.47	1/2	4,065.69	1/2	3,734.72	1/2	3,403.40	1/2	3,072.08	1/2	2,740.76	1/2	2,409.39	1/2	2,078.01
3/4		3/4		3/4	4,386.25	3/4	4,058.82	3/4	3,727.82	3/4	3,396.50	3/4	3,065.18	3/4	2,733.85	3/4	2,402.48	3/4	2,071.11
7		7		7	4,379.81	7	4,051.96	7	3,720.92	7	3,389.60	7	3,058.28	7	2,726.95	7	2,395.58	7	2,064.21
1/4		1/4		1/4	4,373.37	1/4	4,045.10	1/4	3,714.01	1/4	3,382.69	1/4	3,051.37	1/4	2,720.05	1/4	2,388.67	1/4	2,057.30
1/2		1/2		1/2	4,366.94	1/2	4,038.23	1/2	3,707.11	1/2	3,375.79	1/2	3,044.47	1/2	2,713.14	1/2	2,381.77	1/2	2,050.40
3/4		3/4		3/4	4,360.50	3/4	4,031.37	3/4	3,700.21	3/4	3,368.89	3/4	3,037.57	3/4	2,706.24	3/4	2,374.87	3/4	2,043.49
8		8		8	4,353.71	8	4,024.51	8	3,693.31	8	3,361.99	8	3,030.67	8	2,699.34	8	2,367.96	8	2,036.59
1/4		1/4		1/4	4,346.92	1/4	4,017.65	1/4	3,686.40	1/4	3,355.08	1/4	3,023.76	1/4	2,692.43	1/4	2,361.06	1/4	2,029.69
1/2		1/2		1/2	4,340.13	1/2	4,010.78	1/2	3,679.50	1/2	3,348.18	1/2	3,016.86	1/2	2,685.53	1/2	2,354.16	1/2	2,022.78
3/4		3/4		3/4	4,333.34	3/4	4,003.92	3/4	3,672.60	3/4	3,341.28	3/4	3,009.96	3/4	2,678.63	3/4	2,347.25	3/4	2,015.88
9		9		9	4,326.48	9	3,997.02	9	3,665.70	9	3,334.38	9	3,003.06	9	2,671.72	9	2,340.35	9	2,008.98
1/4		1/4		1/4	4,319.62	1/4	3,990.11	1/4	3,658.79	1/4	3,327.47	1/4	2,996.15	1/4	2,664.82	1/4	2,333.45	1/4	2,002.07
1/2		1/2		1/2	4,312.75	1/2	3,983.21	1/2	3,651.89	1/2	3,320.57	1/2	2,989.25	1/2	2,657.92	1/2	2,326.54	1/2	1,995.17
3/4		3/4		3/4	4,305.89	3/4	3,976.31	3/4	3,644.99	3/4	3,313.67	3/4	2,982.35	3/4	2,651.01	3/4	2,319.64	3/4	1,988.27
10		10		10	4,299.03	10	3,969.41	10	3,638.09	10	3,306.77	10	2,975.45	10	2,644.11	10	2,312.74	10	1,981.36
1/4		1/4		1/4	4,292.17	1/4	3,962.50	1/4	3,631.18	1/4	3,299.86	1/4	2,968.54	1/4	2,637.20	1/4	2,305.83	1/4	1,974.46
1/2		1/2		1/2	4,285.30	1/2	3,955.60	1/2	3,624.28	1/2	3,292.96	1/2	2,961.64	1/2	2,630.30	1/2	2,298.93	1/2	1,967.56
3/4		3/4		3/4	4,278.44	3/4	3,948.70	3/4	3,617.38	3/4	3,286.06	3/4	2,954.74	3/4	2,623.40	3/4	2,292.02	3/4	1,960.65
11		11		11	4,271.58	11	3,941.80	11	3,610.48	11	3,279.16	11	2,947.84	11	2,616.49	11	2,285.12	11	1,953.75
1/4		1/4		1/4	4,264.71	1/4	3,934.89	1/4	3,603.57	1/4	3,272.25	1/4	2,940.93	1/4	2,609.59	1/4	2,278.22	1/4	1,946.84
1/2		1/2		1/2	4,257.85	1/2	3,927.99	1/2	3,596.67	1/2	3,265.35	1/2	2,934.03	1/2	2,602.69	1/2	2,271.31	1/2	1,939.94
3/4		3/4		3/4	4,250.99	3/4	3,921.09	3/4	3,589.77	3/4	3,258.45	3/4	2,927.13	3/4	2,595.78	3/4	2,264.41	3/4	1,933.04

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





BARGE "EMS 379"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 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	1,926.13	0	1,594.76	0	1,263.39	0	936.72	0	629.41	0	341.51	0	73.48	0		0		0	
1/4	1,919.23	1/4	1,587.86	1/4	1,256.48	1/4	930.11	1/4	623.21	1/4	335.73	1/4	68.11	1/4	1/4	1/4		1/4	
1/2	1,912.33	1/2	1,580.95	1/2	1,249.58	1/2	923.50	1/2	617.02	1/2	329.94	1/2	62.74	1/2	1/2	1/2		1/2	
3/4	1,905.42	3/4	1,574.05	3/4	1,242.68	3/4	916.89	3/4	610.82	3/4	324.16	3/4	57.37	3/4	3/4	3/4		3/4	
1	1,898.52	1	1,567.15	1	1,235.77	1	910.33	1	604.66	1	318.41	1	52.04	1	1	1		1	
1/4	1,891.62	1/4	1,560.24	1/4	1,228.87	1/4	903.77	1/4	598.50	1/4	312.67	1/4	46.70	1/4	1/4	1/4		1/4	
1/2	1,884.71	1/2	1,553.34	1/2	1,221.97	1/2	897.21	1/2	592.33	1/2	306.92	1/2	41.37	1/2	1/2	1/2		1/2	
3/4	1,877.81	3/4	1,546.44	3/4	1,215.06	3/4	890.64	3/4	586.17	3/4	301.17	3/4	36.03	3/4	3/4	3/4		3/4	
2	1,870.90	2	1,539.53	2	1,208.16	2	884.11	2	580.05	2	295.46	2	30.98	2	2	2		2	
1/4	1,864.00	1/4	1,532.63	1/4	1,201.26	1/4	877.59	1/4	573.92	1/4	289.74	1/4	25.93	1/4	1/4	1/4		1/4	
1/2	1,857.10	1/2	1,525.72	1/2	1,194.35	1/2	871.06	1/2	567.79	1/2	284.03	1/2	20.88	1/2	1/2	1/2		1/2	
3/4	1,850.19	3/4	1,518.82	3/4	1,187.45	3/4	864.53	3/4	561.66	3/4	278.32	3/4	15.82	3/4	3/4	3/4		3/4	
3	1,843.29	3	1,511.92	3	1,180.54	3	858.04	3	555.57	3	272.64	3	12.53	3	3	3		3	
1/4	1,836.39	1/4	1,505.01	1/4	1,173.64	1/4	851.54	1/4	549.48	1/4	266.96	1/4	9.24	1/4	1/4	1/4		1/4	
1/2	1,829.48	1/2	1,498.11	1/2	1,166.74	1/2	845.05	1/2	543.39	1/2	261.28	1/2	5.95	1/2	1/2	1/2		1/2	
3/4	1,822.58	3/4	1,491.21	3/4	1,159.83	3/4	838.56	3/4	537.29	3/4	255.60	3/4	2.66	3/4	3/4	3/4		3/4	
4	1,815.68	4	1,484.30	4	1,152.95	4	832.10	4	531.23	4	249.96	4		4	4	4		4	
1/4	1,808.77	1/4	1,477.40	1/4	1,146.06	1/4	825.65	1/4	525.18	1/4	244.31	1/4		1/4	1/4	1/4		1/4	
1/2	1,801.87	1/2	1,470.50	1/2	1,139.18	1/2	819.19	1/2	519.12	1/2	238.67	1/2		1/2	1/2	1/2		1/2	
3/4	1,794.97	3/4	1,463.59	3/4	1,132.29	3/4	812.74	3/4	513.06	3/4	233.02	3/4		3/4	3/4	3/4		3/4	
5	1,788.06	5	1,456.69	5	1,125.44	5	806.32	5	507.04	5	227.41	5		5	5	5		5	
1/4	1,781.16	1/4	1,449.79	1/4	1,118.59	1/4	799.90	1/4	501.01	1/4	221.80	1/4		1/4	1/4	1/4		1/4	
1/2	1,774.25	1/2	1,442.88	1/2	1,111.73	1/2	793.48	1/2	494.99	1/2	216.19	1/2		1/2	1/2	1/2		1/2	
3/4	1,767.35	3/4	1,435.98	3/4	1,104.88	3/4	787.06	3/4	488.96	3/4	210.58	3/4		3/4	3/4	3/4		3/4	
6	1,760.45	6	1,429.07	6	1,098.06	6	780.67	6	482.98	6	205.01	6		6	6	6		6	
1/4	1,753.54	1/4	1,422.17	1/4	1,091.25	1/4	774.28	1/4	476.99	1/4	199.43	1/4		1/4	1/4	1/4		1/4	
1/2	1,746.64	1/2	1,415.27	1/2	1,084.43	1/2	767.89	1/2	471.00	1/2	193.86	1/2		1/2	1/2	1/2		1/2	
3/4	1,739.74	3/4	1,408.36	3/4	1,077.61	3/4	761.50	3/4	465.01	3/4	188.28	3/4		3/4	3/4	3/4		3/4	
7	1,732.83	7	1,401.46	7	1,070.83	7	755.14	7	459.05	7	182.74	7		7	7	7		7	
1/4	1,725.93	1/4	1,394.56	1/4	1,064.05	1/4	748.78	1/4	453.10	1/4	177.20	1/4		1/4	1/4	1/4		1/4	
1/2	1,719.03	1/2	1,387.65	1/2	1,057.26	1/2	742.43	1/2	447.14	1/2	171.66	1/2		1/2	1/2	1/2		1/2	
3/4	1,712.12	3/4	1,380.75	3/4	1,050.48	3/4	736.07	3/4	441.19	3/4	166.12	3/4		3/4	3/4	3/4		3/4	
8	1,705.22	8	1,373.85	8	1,043.73	8	729.75	8	435.27	8	160.61	8		8	8	8		8	
1/4	1,698.31	1/4	1,366.94	1/4	1,036.98	1/4	723.43	1/4	429.35	1/4	155.11	1/4		1/4	1/4	1/4		1/4	
1/2	1,691.41	1/2	1,360.04	1/2	1,030.24	1/2	717.11	1/2	423.43	1/2	149.60	1/2		1/2	1/2	1/2		1/2	
3/4	1,684.51	3/4	1,353.13	3/4	1,023.49	3/4	710.79	3/4	417.51	3/4	144.09	3/4		3/4	3/4	3/4		3/4	
9	1,677.60	9	1,346.23	9	1,016.77	9	704.49	9	411.62	9	138.62	9		9	9	9		9	
1/4	1,670.70	1/4	1,339.33	1/4	1,010.06	1/4	698.19	1/4	405.74	1/4	133.15	1/4		1/4	1/4	1/4		1/4	
1/2	1,663.80	1/2	1,332.42	1/2	1,003.35	1/2	691.89	1/2	399.85	1/2	127.68	1/2		1/2	1/2	1/2		1/2	
3/4	1,656.89	3/4	1,325.52	3/4	996.63	3/4	685.59	3/4	393.96	3/4	122.21	3/4		3/4	3/4	3/4		3/4	
10	1,649.99	10	1,318.62	10	989.95	10	679.32	10	388.11	10	116.77	10		10	10	10		10	
1/4	1,643.09	1/4	1,311.71	1/4	983.27	1/4	673.06	1/4	382.26	1/4	111.33	1/4		1/4	1/4	1/4		1/4	
1/2	1,636.18	1/2	1,304.81	1/2	976.59	1/2	666.79	1/2	376.41	1/2	105.89	1/2		1/2	1/2	1/2		1/2	
3/4	1,629.28	3/4	1,297.91	3/4	969.91	3/4	660.53	3/4	370.56	3/4	100.46	3/4		3/4	3/4	3/4		3/4	
11	1,622.38	11	1,291.00	11	963.27	11	654.30	11	364.74	11	95.05	11		11	11	11		11	
1/4	1,615.47	1/4	1,284.10	1/4	956.62	1/4	648.07	1/4	358.92	1/4	89.65	1/4		1/4	1/4	1/4		1/4	
1/2	1,608.57	1/2	1,277.20	1/2	949.98	1/2	641.84	1/2	353.11	1/2	84.25	1/2		1/2	1/2	1/2		1/2	
3/4	1,601.66	3/4	1,270.29	3/4	943.33	3/4	635.61	3/4	347.29	3/4	78.84	3/4		3/4	3/4	3/4		3/4	

STRAPPED: 10/24/2012 CL - SW
CALCULATED: 10/24/2012 CL
PRINTED: 10/24/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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 379"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	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

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 379"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

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	2,453.03	0	2,064.63	0	1,676.23	0	1,287.83	0	899.43	0	526.30	0	137.92	0		0		0	
1/4	2,444.94	1/4	2,056.54	1/4	1,668.14	1/4	1,279.74	1/4	891.64	1/4	518.20	1/4	129.83	1/4	1/4	1/4		1/4	
1/2	2,436.85	1/2	2,048.45	1/2	1,660.05	1/2	1,271.64	1/2	883.85	1/2	510.11	1/2	121.74	1/2	1/2	1/2		1/2	
3/4	2,428.76	3/4	2,040.36	3/4	1,651.95	3/4	1,263.55	3/4	876.07	3/4	502.02	3/4	113.65	3/4	3/4	3/4		3/4	
1	2,420.67	1	2,032.26	1	1,643.86	1	1,255.46	1	868.28	1	493.93	1	105.56	1	1	1		1	
1/4	2,412.57	1/4	2,024.17	1/4	1,635.77	1/4	1,247.37	1/4	860.50	1/4	485.84	1/4	97.47	1/4	1/4	1/4		1/4	
1/2	2,404.48	1/2	2,016.08	1/2	1,627.68	1/2	1,239.28	1/2	852.71	1/2	477.75	1/2	89.38	1/2	1/2	1/2		1/2	
3/4	2,396.39	3/4	2,007.99	3/4	1,619.59	3/4	1,231.19	3/4	844.92	3/4	469.66	3/4	81.29	3/4	3/4	3/4		3/4	
2	2,388.30	2	1,999.90	2	1,611.50	2	1,223.09	2	837.14	2	461.57	2	73.19	2	2	2		2	
1/4	2,380.21	1/4	1,991.81	1/4	1,603.40	1/4	1,215.00	1/4	829.36	1/4	453.48	1/4	65.39	1/4	1/4	1/4		1/4	
1/2	2,372.12	1/2	1,983.71	1/2	1,595.31	1/2	1,206.91	1/2	821.58	1/2	445.39	1/2	57.59	1/2	1/2	1/2		1/2	
3/4	2,364.02	3/4	1,975.62	3/4	1,587.22	3/4	1,198.82	3/4	813.80	3/4	437.29	3/4	49.79	3/4	3/4	3/4		3/4	
3	2,355.93	3	1,967.53	3	1,579.13	3	1,190.73	3	806.02	3	429.20	3	41.99	3	3	3		3	
1/4	2,347.84	1/4	1,959.44	1/4	1,571.04	1/4	1,182.64	1/4	798.25	1/4	421.11	1/4	36.21	1/4	1/4	1/4		1/4	
1/2	2,339.75	1/2	1,951.35	1/2	1,562.95	1/2	1,174.54	1/2	790.48	1/2	413.02	1/2	30.43	1/2	1/2	1/2		1/2	
3/4	2,331.66	3/4	1,943.26	3/4	1,554.85	3/4	1,166.45	3/4	782.71	3/4	404.93	3/4	24.65	3/4	3/4	3/4		3/4	
4	2,323.57	4	1,935.16	4	1,546.76	4	1,158.36	4	774.94	4	396.84	4	18.87	4	4	4		4	
1/4	2,315.47	1/4	1,927.07	1/4	1,538.67	1/4	1,150.27	1/4	767.17	1/4	388.75	1/4		1/4	1/4	1/4		1/4	
1/2	2,307.38	1/2	1,918.98	1/2	1,530.58	1/2	1,142.18	1/2	759.40	1/2	380.66	1/2		1/2	1/2	1/2		1/2	
3/4	2,299.29	3/4	1,910.89	3/4	1,522.49	3/4	1,134.09	3/4	751.63	3/4	372.57	3/4		3/4	3/4	3/4		3/4	
5	2,291.20	5	1,902.80	5	1,514.40	5	1,125.99	5	743.86	5	364.47	5		5	5	5		5	
1/4	2,283.11	1/4	1,894.71	1/4	1,506.30	1/4	1,117.90	1/4	736.09	1/4	356.38	1/4		1/4	1/4	1/4		1/4	
1/2	2,275.02	1/2	1,886.61	1/2	1,498.21	1/2	1,109.81	1/2	728.32	1/2	348.29	1/2		1/2	1/2	1/2		1/2	
3/4	2,266.92	3/4	1,878.52	3/4	1,490.12	3/4	1,101.72	3/4	720.55	3/4	340.20	3/4		3/4	3/4	3/4		3/4	
6	2,258.83	6	1,870.43	6	1,482.03	6	1,093.63	6	712.78	6	332.11	6		6	6	6		6	
1/4	2,250.74	1/4	1,862.34	1/4	1,473.94	1/4	1,085.54	1/4	705.01	1/4	324.02	1/4		1/4	1/4	1/4		1/4	
1/2	2,242.65	1/2	1,854.25	1/2	1,465.85	1/2	1,077.44	1/2	697.25	1/2	315.93	1/2		1/2	1/2	1/2		1/2	
3/4	2,234.56	3/4	1,846.15	3/4	1,457.75	3/4	1,069.35	3/4	689.48	3/4	307.84	3/4		3/4	3/4	3/4		3/4	
7	2,226.46	7	1,838.06	7	1,449.66	7	1,061.26	7	681.72	7	299.75	7		7	7	7		7	
1/4	2,218.37	1/4	1,829.97	1/4	1,441.57	1/4	1,053.17	1/4	673.95	1/4	291.65	1/4		1/4	1/4	1/4		1/4	
1/2	2,210.28	1/2	1,821.88	1/2	1,433.48	1/2	1,045.08	1/2	666.18	1/2	283.56	1/2		1/2	1/2	1/2		1/2	
3/4	2,202.19	3/4	1,813.79	3/4	1,425.39	3/4	1,036.98	3/4	658.42	3/4	275.47	3/4		3/4	3/4	3/4		3/4	
8	2,194.10	8	1,805.70	8	1,417.29	8	1,028.89	8	650.65	8	267.38	8		8	8	8		8	
1/4	2,186.01	1/4	1,797.60	1/4	1,409.20	1/4	1,020.80	1/4	642.88	1/4	259.29	1/4		1/4	1/4	1/4		1/4	
1/2	2,177.91	1/2	1,789.51	1/2	1,401.11	1/2	1,012.71	1/2	635.11	1/2	251.20	1/2		1/2	1/2	1/2		1/2	
3/4	2,169.82	3/4	1,781.42	3/4	1,393.02	3/4	1,004.62	3/4	627.34	3/4	243.11	3/4		3/4	3/4	3/4		3/4	
9	2,161.73	9	1,773.33	9	1,384.93	9	996.53	9	619.57	9	235.02	9		9	9	9		9	
1/4	2,153.64	1/4	1,765.24	1/4	1,376.84	1/4	988.43	1/4	611.80	1/4	226.93	1/4		1/4	1/4	1/4		1/4	
1/2	2,145.55	1/2	1,757.15	1/2	1,368.74	1/2	980.34	1/2	604.03	1/2	218.83	1/2		1/2	1/2	1/2		1/2	
3/4	2,137.46	3/4	1,749.05	3/4	1,360.65	3/4	972.25	3/4	596.26	3/4	210.74	3/4		3/4	3/4	3/4		3/4	
10	2,129.36	10	1,740.96	10	1,352.56	10	964.16	10	588.49	10	202.65	10		10	10	10		10	
1/4	2,121.27	1/4	1,732.87	1/4	1,344.47	1/4	956.07	1/4	580.72	1/4	194.56	1/4		1/4	1/4	1/4		1/4	
1/2	2,113.18	1/2	1,724.78	1/2	1,336.38	1/2	947.98	1/2	572.95	1/2	186.47	1/2		1/2	1/2	1/2		1/2	
3/4	2,105.09	3/4	1,716.69	3/4	1,328.29	3/4	939.88	3/4	565.18	3/4	178.38	3/4		3/4	3/4	3/4		3/4	
11	2,097.00	11	1,708.60	11	1,320.19	11	931.79	11	557.41	11	170.29	11		11	11	11		11	
1/4	2,088.91	1/4	1,700.50	1/4	1,312.10	1/4	923.70	1/4	549.63	1/4	162.20	1/4		1/4	1/4	1/4		1/4	
1/2	2,080.81	1/2	1,692.41	1/2	1,304.01	1/2	915.61	1/2	541.85	1/2	154.11	1/2		1/2	1/2	1/2		1/2	
3/4	2,072.72	3/4	1,684.32	3/4	1,295.92	3/4	907.52	3/4	534.08	3/4	146.01	3/4		3/4	3/4	3/4		3/4	

STRAPPED: 10/24/2012 CL - SW
CALCULATED: 10/24/2012 CL
PRINTED: 10/24/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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 379"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 3/4"

Table with 19 columns (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.) and 20 rows of capacity data.

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 379"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 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	2,460.14	0	2,071.69	0	1,683.24	0	1,294.79	0	906.34	0	518.26	0	129.85	0		0		0	
1/4	2,452.04	1/4	2,063.60	1/4	1,675.15	1/4	1,286.70	1/4	898.25	1/4	510.17	1/4	121.76	1/4	1/4	1/4		1/4	1/4
1/2	2,443.95	1/2	2,055.50	1/2	1,667.05	1/2	1,278.60	1/2	890.15	1/2	502.08	1/2	113.66	1/2	1/2	1/2		1/2	1/2
3/4	2,435.86	3/4	2,047.41	3/4	1,658.96	3/4	1,270.51	3/4	882.06	3/4	493.99	3/4	105.57	3/4	3/4	3/4		3/4	3/4
1	2,427.77	1	2,039.32	1	1,650.87	1	1,262.42	1	873.97	1	485.90	1	97.48	1	1	1		1	1
1/4	2,419.67	1/4	2,031.22	1/4	1,642.77	1/4	1,254.33	1/4	865.88	1/4	477.80	1/4	89.39	1/4	1/4	1/4		1/4	1/4
1/2	2,411.58	1/2	2,023.13	1/2	1,634.68	1/2	1,246.23	1/2	857.78	1/2	469.71	1/2	81.30	1/2	1/2	1/2		1/2	1/2
3/4	2,403.49	3/4	2,015.04	3/4	1,626.59	3/4	1,238.14	3/4	849.69	3/4	461.62	3/4	73.20	3/4	3/4	3/4		3/4	3/4
2	2,395.40	2	2,006.95	2	1,618.50	2	1,230.05	2	841.60	2	453.53	2	65.40	2	2	2		2	2
1/4	2,387.30	1/4	1,998.85	1/4	1,610.40	1/4	1,221.95	1/4	833.50	1/4	445.44	1/4	57.60	1/4	1/4	1/4		1/4	1/4
1/2	2,379.21	1/2	1,990.76	1/2	1,602.31	1/2	1,213.86	1/2	825.41	1/2	437.34	1/2	49.79	1/2	1/2	1/2		1/2	1/2
3/4	2,371.12	3/4	1,982.67	3/4	1,594.22	3/4	1,205.77	3/4	817.32	3/4	429.25	3/4	41.99	3/4	3/4	3/4		3/4	3/4
3	2,363.03	3	1,974.58	3	1,586.13	3	1,197.68	3	809.24	3	421.16	3	34.21	3	3	3		3	3
1/4	2,354.93	1/4	1,966.48	1/4	1,578.03	1/4	1,189.58	1/4	801.15	1/4	413.07	1/4	30.43	1/4	1/4	1/4		1/4	1/4
1/2	2,346.84	1/2	1,958.39	1/2	1,569.94	1/2	1,181.49	1/2	793.07	1/2	404.98	1/2	24.65	1/2	1/2	1/2		1/2	1/2
3/4	2,338.75	3/4	1,950.30	3/4	1,561.85	3/4	1,173.40	3/4	784.99	3/4	396.88	3/4	18.88	3/4	3/4	3/4		3/4	3/4
4	2,330.65	4	1,942.20	4	1,553.76	4	1,165.31	4	776.91	4	388.79	4		4	4	4		4	4
1/4	2,322.56	1/4	1,934.11	1/4	1,545.66	1/4	1,157.21	1/4	768.83	1/4	380.70	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,314.47	1/2	1,926.02	1/2	1,537.57	1/2	1,149.12	1/2	760.74	1/2	372.61	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,306.38	3/4	1,917.93	3/4	1,529.48	3/4	1,141.03	3/4	752.66	3/4	364.52	3/4		3/4	3/4	3/4		3/4	3/4
5	2,298.28	5	1,909.83	5	1,521.38	5	1,132.93	5	744.58	5	356.42	5		5	5	5		5	5
1/4	2,290.19	1/4	1,901.74	1/4	1,513.29	1/4	1,124.84	1/4	736.50	1/4	348.33	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,282.10	1/2	1,893.65	1/2	1,505.20	1/2	1,116.75	1/2	728.41	1/2	340.24	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,274.01	3/4	1,885.56	3/4	1,497.11	3/4	1,108.66	3/4	720.33	3/4	332.15	3/4		3/4	3/4	3/4		3/4	3/4
6	2,265.91	6	1,877.46	6	1,489.01	6	1,100.56	6	712.25	6	324.06	6		6	6	6		6	6
1/4	2,257.82	1/4	1,869.37	1/4	1,480.92	1/4	1,092.47	1/4	704.18	1/4	315.96	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,249.73	1/2	1,861.28	1/2	1,472.83	1/2	1,084.38	1/2	696.10	1/2	307.87	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,241.63	3/4	1,853.19	3/4	1,464.74	3/4	1,076.29	3/4	688.02	3/4	299.78	3/4		3/4	3/4	3/4		3/4	3/4
7	2,233.54	7	1,845.09	7	1,456.64	7	1,068.19	7	679.94	7	291.69	7		7	7	7		7	7
1/4	2,225.45	1/4	1,837.00	1/4	1,448.55	1/4	1,060.10	1/4	671.87	1/4	283.60	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,217.36	1/2	1,828.91	1/2	1,440.46	1/2	1,052.01	1/2	663.79	1/2	275.50	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,209.26	3/4	1,820.81	3/4	1,432.36	3/4	1,043.92	3/4	655.71	3/4	267.41	3/4		3/4	3/4	3/4		3/4	3/4
8	2,201.17	8	1,812.72	8	1,424.27	8	1,035.82	8	647.63	8	259.32	8		8	8	8		8	8
1/4	2,193.08	1/4	1,804.63	1/4	1,416.18	1/4	1,027.73	1/4	639.55	1/4	251.23	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,184.99	1/2	1,796.54	1/2	1,408.09	1/2	1,019.64	1/2	631.46	1/2	243.14	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,176.89	3/4	1,788.44	3/4	1,399.99	3/4	1,011.54	3/4	623.38	3/4	235.04	3/4		3/4	3/4	3/4		3/4	3/4
9	2,168.80	9	1,780.35	9	1,391.90	9	1,003.45	9	615.30	9	226.95	9		9	9	9		9	9
1/4	2,160.71	1/4	1,772.26	1/4	1,383.81	1/4	995.36	1/4	607.22	1/4	218.86	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,152.62	1/2	1,764.17	1/2	1,375.72	1/2	987.27	1/2	599.13	1/2	210.77	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,144.52	3/4	1,756.07	3/4	1,367.62	3/4	979.17	3/4	591.05	3/4	202.68	3/4		3/4	3/4	3/4		3/4	3/4
10	2,136.43	10	1,747.98	10	1,359.53	10	971.08	10	582.97	10	194.58	10		10	10	10		10	10
1/4	2,128.34	1/4	1,739.89	1/4	1,351.44	1/4	962.99	1/4	574.89	1/4	186.49	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,120.24	1/2	1,731.79	1/2	1,343.35	1/2	954.90	1/2	566.81	1/2	178.40	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,112.15	3/4	1,723.70	3/4	1,335.25	3/4	946.80	3/4	558.72	3/4	170.31	3/4		3/4	3/4	3/4		3/4	3/4
11	2,104.06	11	1,715.61	11	1,327.16	11	938.71	11	550.63	11	162.22	11		11	11	11		11	11
1/4	2,095.97	1/4	1,707.52	1/4	1,319.07	1/4	930.62	1/4	542.54	1/4	154.12	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,087.87	1/2	1,699.42	1/2	1,310.97	1/2	922.52	1/2	534.45	1/2	146.03	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,079.78	3/4	1,691.33	3/4	1,302.88	3/4	914.43	3/4	526.36	3/4	137.94	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2012 CL - SW
CALCULATED: 10/24/2012 CL
PRINTED: 10/24/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "EMS 379"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

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		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	
1/2		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	
1/4		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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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.

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 379"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 16'-04"

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	2,279.74	0	1,919.08	0	1,558.59	0	1,197.59	0	836.80	0	489.51	0	128.30	0		0		0	
1/4	2,272.22	1/4	1,911.58	1/4	1,551.07	1/4	1,190.06	1/4	829.56	1/4	481.98	1/4	120.78	1/4	1/4	1/4		1/4	
1/2	2,264.69	1/2	1,904.08	1/2	1,543.55	1/2	1,182.54	1/2	822.33	1/2	474.46	1/2	113.25	1/2	1/2	1/2		1/2	
3/4	2,257.17	3/4	1,896.58	3/4	1,536.03	3/4	1,175.02	3/4	815.09	3/4	466.93	3/4	105.73	3/4	3/4	3/4		3/4	
1	2,249.65	1	1,889.08	1	1,528.51	1	1,167.50	1	807.86	1	459.41	1	98.20	1	1	1		1	
1/4	2,242.12	1/4	1,881.58	1/4	1,520.98	1/4	1,159.98	1/4	800.63	1/4	451.88	1/4	90.68	1/4	1/4	1/4		1/4	
1/2	2,234.60	1/2	1,874.08	1/2	1,513.46	1/2	1,152.46	1/2	793.39	1/2	444.36	1/2	83.15	1/2	1/2	1/2		1/2	
3/4	2,227.07	3/4	1,866.58	3/4	1,505.94	3/4	1,144.94	3/4	786.16	3/4	436.83	3/4	75.63	3/4	3/4	3/4		3/4	
2	2,219.55	2	1,859.07	2	1,498.42	2	1,137.42	2	778.92	2	429.31	2	68.10	2	2	2		2	
1/4	2,212.02	1/4	1,851.57	1/4	1,490.90	1/4	1,129.90	1/4	771.68	1/4	421.78	1/4	60.85	1/4	1/4	1/4		1/4	
1/2	2,204.50	1/2	1,844.07	1/2	1,483.38	1/2	1,122.38	1/2	764.43	1/2	414.26	1/2	53.59	1/2	1/2	1/2		1/2	
3/4	2,196.98	3/4	1,836.57	3/4	1,475.86	3/4	1,114.86	3/4	757.19	3/4	406.73	3/4	46.33	3/4	3/4	3/4		3/4	
3	2,189.45	3	1,829.07	3	1,468.34	3	1,107.33	3	749.94	3	399.21	3	39.08	3	3	3		3	
1/4	2,181.93	1/4	1,821.57	1/4	1,460.82	1/4	1,099.81	1/4	742.71	1/4	391.68	1/4	33.70	1/4	1/4	1/4		1/4	
1/2	2,174.40	1/2	1,814.07	1/2	1,453.30	1/2	1,092.29	1/2	735.48	1/2	384.16	1/2	28.33	1/2	1/2	1/2		1/2	
3/4	2,166.88	3/4	1,806.57	3/4	1,445.78	3/4	1,084.77	3/4	728.24	3/4	376.63	3/4	22.95	3/4	3/4	3/4		3/4	
4	2,159.35	4	1,799.06	4	1,438.25	4	1,077.25	4	721.01	4	369.11	4	17.58	4	4	4		4	
1/4	2,151.83	1/4	1,791.56	1/4	1,430.73	1/4	1,069.73	1/4	713.77	1/4	361.58	1/4		1/4	1/4	1/4		1/4	
1/2	2,144.31	1/2	1,784.06	1/2	1,423.21	1/2	1,062.21	1/2	706.54	1/2	354.06	1/2		1/2	1/2	1/2		1/2	
3/4	2,136.78	3/4	1,776.56	3/4	1,415.69	3/4	1,054.69	3/4	699.30	3/4	346.53	3/4		3/4	3/4	3/4		3/4	
5	2,129.26	5	1,769.06	5	1,408.17	5	1,047.17	5	692.07	5	339.01	5		5	5	5		5	
1/4	2,121.73	1/4	1,761.56	1/4	1,400.65	1/4	1,039.65	1/4	684.84	1/4	331.48	1/4		1/4	1/4	1/4		1/4	
1/2	2,114.21	1/2	1,754.06	1/2	1,393.13	1/2	1,032.13	1/2	677.60	1/2	323.96	1/2		1/2	1/2	1/2		1/2	
3/4	2,106.69	3/4	1,746.56	3/4	1,385.61	3/4	1,024.60	3/4	670.37	3/4	316.43	3/4		3/4	3/4	3/4		3/4	
6	2,099.16	6	1,739.06	6	1,378.09	6	1,017.08	6	663.13	6	308.91	6		6	6	6		6	
1/4	2,091.65	1/4	1,731.54	1/4	1,370.57	1/4	1,009.57	1/4	655.90	1/4	301.38	1/4		1/4	1/4	1/4		1/4	
1/2	2,084.13	1/2	1,724.03	1/2	1,363.05	1/2	1,002.06	1/2	648.67	1/2	293.86	1/2		1/2	1/2	1/2		1/2	
3/4	2,076.62	3/4	1,716.52	3/4	1,355.52	3/4	994.55	3/4	641.44	3/4	286.33	3/4		3/4	3/4	3/4		3/4	
7	2,069.11	7	1,709.01	7	1,348.00	7	987.04	7	634.21	7	278.81	7		7	7	7		7	
1/4	2,061.61	1/4	1,701.49	1/4	1,340.48	1/4	979.52	1/4	626.98	1/4	271.28	1/4		1/4	1/4	1/4		1/4	
1/2	2,054.11	1/2	1,693.97	1/2	1,332.96	1/2	972.01	1/2	619.76	1/2	263.76	1/2		1/2	1/2	1/2		1/2	
3/4	2,046.60	3/4	1,686.44	3/4	1,325.44	3/4	964.50	3/4	612.53	3/4	256.23	3/4		3/4	3/4	3/4		3/4	
8	2,039.10	8	1,678.92	8	1,317.92	8	956.99	8	605.30	8	248.70	8		8	8	8		8	
1/4	2,031.60	1/4	1,671.40	1/4	1,310.40	1/4	949.48	1/4	598.06	1/4	241.18	1/4		1/4	1/4	1/4		1/4	
1/2	2,024.10	1/2	1,663.88	1/2	1,302.88	1/2	941.96	1/2	590.83	1/2	233.65	1/2		1/2	1/2	1/2		1/2	
3/4	2,016.60	3/4	1,656.36	3/4	1,295.36	3/4	934.45	3/4	583.59	3/4	226.13	3/4		3/4	3/4	3/4		3/4	
9	2,009.10	9	1,648.84	9	1,287.84	9	926.94	9	576.36	9	218.60	9		9	9	9		9	
1/4	2,001.60	1/4	1,641.32	1/4	1,280.32	1/4	919.43	1/4	569.12	1/4	211.08	1/4		1/4	1/4	1/4		1/4	
1/2	1,994.10	1/2	1,633.80	1/2	1,272.79	1/2	911.92	1/2	561.89	1/2	203.55	1/2		1/2	1/2	1/2		1/2	
3/4	1,986.59	3/4	1,626.28	3/4	1,265.27	3/4	904.40	3/4	554.66	3/4	196.03	3/4		3/4	3/4	3/4		3/4	
10	1,979.09	10	1,618.76	10	1,257.75	10	896.89	10	547.42	10	188.50	10		10	10	10		10	
1/4	1,971.59	1/4	1,611.24	1/4	1,250.23	1/4	889.38	1/4	540.19	1/4	180.98	1/4		1/4	1/4	1/4		1/4	
1/2	1,964.09	1/2	1,603.71	1/2	1,242.71	1/2	881.87	1/2	532.95	1/2	173.45	1/2		1/2	1/2	1/2		1/2	
3/4	1,956.59	3/4	1,596.19	3/4	1,235.19	3/4	874.36	3/4	525.72	3/4	165.93	3/4		3/4	3/4	3/4		3/4	
11	1,949.09	11	1,588.67	11	1,227.67	11	866.84	11	518.48	11	158.40	11		11	11	11		11	
1/4	1,941.59	1/4	1,581.15	1/4	1,220.15	1/4	859.33	1/4	511.24	1/4	150.88	1/4		1/4	1/4	1/4		1/4	
1/2	1,934.09	1/2	1,573.63	1/2	1,212.63	1/2	851.82	1/2	504.00	1/2	143.35	1/2		1/2	1/2	1/2		1/2	
3/4	1,926.59	3/4	1,566.11	3/4	1,205.11	3/4	844.31	3/4	496.75	3/4	135.83	3/4		3/4	3/4	3/4		3/4	

STRAPPED: 10/24/2012 CL - SW
CALCULATED: 10/24/2012 CL
PRINTED: 10/24/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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 379"

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 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	2,269.96	0	1,910.96	0	1,552.20	0	1,191.60	0	831.21	0	481.41	0	120.68	0		0		0	
1/4	2,262.44	1/4	1,903.53	1/4	1,544.69	1/4	1,184.08	1/4	823.92	1/4	473.89	1/4	113.16	1/4	1/4		1/4	1/4	
1/2	2,254.92	1/2	1,896.09	1/2	1,537.18	1/2	1,176.57	1/2	816.63	1/2	466.38	1/2	105.65	1/2	1/2		1/2	1/2	
3/4	2,247.41	3/4	1,888.65	3/4	1,529.66	3/4	1,169.06	3/4	809.34	3/4	458.86	3/4	98.13	3/4	3/4		3/4	3/4	
1	2,239.89	1	1,881.21	1	1,522.15	1	1,161.55	1	802.05	1	451.35	1	90.62	1	1		1	1	
1/4	2,232.38	1/4	1,873.77	1/4	1,514.64	1/4	1,154.03	1/4	794.76	1/4	443.83	1/4	83.10	1/4	1/4		1/4	1/4	
1/2	2,224.86	1/2	1,866.33	1/2	1,507.13	1/2	1,146.52	1/2	787.47	1/2	436.32	1/2	75.59	1/2	1/2		1/2	1/2	
3/4	2,217.34	3/4	1,858.89	3/4	1,499.61	3/4	1,139.01	3/4	780.18	3/4	428.80	3/4	68.07	3/4	3/4		3/4	3/4	
2	2,209.83	2	1,851.45	2	1,492.10	2	1,131.50	2	772.89	2	421.29	2	60.83	2	2		2	2	
1/4	2,202.31	1/4	1,844.01	1/4	1,484.59	1/4	1,123.98	1/4	765.60	1/4	413.77	1/4	53.58	1/4	1/4		1/4	1/4	
1/2	2,194.80	1/2	1,836.58	1/2	1,477.08	1/2	1,116.47	1/2	758.31	1/2	406.26	1/2	46.33	1/2	1/2		1/2	1/2	
3/4	2,187.28	3/4	1,829.14	3/4	1,469.56	3/4	1,108.96	3/4	751.02	3/4	398.74	3/4	39.09	3/4	3/4		3/4	3/4	
3	2,179.77	3	1,821.70	3	1,462.05	3	1,101.45	3	743.74	3	391.23	3	33.71	3	3		3	3	
1/4	2,172.25	1/4	1,814.26	1/4	1,454.54	1/4	1,093.93	1/4	736.46	1/4	383.71	1/4	28.34	1/4	1/4		1/4	1/4	
1/2	2,164.73	1/2	1,806.82	1/2	1,447.03	1/2	1,086.42	1/2	729.18	1/2	376.20	1/2	22.96	1/2	1/2		1/2	1/2	
3/4	2,157.22	3/4	1,799.38	3/4	1,439.51	3/4	1,078.91	3/4	721.90	3/4	368.68	3/4	17.58	3/4	3/4		3/4	3/4	
4	2,149.70	4	1,791.94	4	1,432.00	4	1,071.40	4	714.62	4	361.16	4		4	4		4	4	
1/4	2,142.19	1/4	1,784.50	1/4	1,424.49	1/4	1,063.88	1/4	707.34	1/4	353.65	1/4		1/4	1/4		1/4	1/4	
1/2	2,134.67	1/2	1,777.06	1/2	1,416.97	1/2	1,056.37	1/2	700.06	1/2	346.13	1/2		1/2	1/2		1/2	1/2	
3/4	2,127.15	3/4	1,769.63	3/4	1,409.46	3/4	1,048.86	3/4	692.78	3/4	338.62	3/4		3/4	3/4		3/4	3/4	
5	2,119.64	5	1,762.19	5	1,401.95	5	1,041.34	5	685.50	5	331.10	5		5	5		5	5	
1/4	2,112.12	1/4	1,754.75	1/4	1,394.44	1/4	1,033.83	1/4	678.22	1/4	323.59	1/4		1/4	1/4		1/4	1/4	
1/2	2,104.61	1/2	1,747.31	1/2	1,386.92	1/2	1,026.32	1/2	670.94	1/2	316.07	1/2		1/2	1/2		1/2	1/2	
3/4	2,097.09	3/4	1,739.87	3/4	1,379.41	3/4	1,018.81	3/4	663.65	3/4	308.56	3/4		3/4	3/4		3/4	3/4	
6	2,089.61	6	1,732.39	6	1,371.90	6	1,011.29	6	656.38	6	301.04	6		6	6		6	6	
1/4	2,082.14	1/4	1,724.92	1/4	1,364.39	1/4	1,003.78	1/4	649.10	1/4	293.53	1/4		1/4	1/4		1/4	1/4	
1/2	2,074.66	1/2	1,717.44	1/2	1,356.87	1/2	996.27	1/2	641.83	1/2	286.01	1/2		1/2	1/2		1/2	1/2	
3/4	2,067.18	3/4	1,709.97	3/4	1,349.36	3/4	988.76	3/4	634.55	3/4	278.50	3/4		3/4	3/4		3/4	3/4	
7	2,059.74	7	1,702.45	7	1,341.85	7	981.24	7	627.28	7	270.98	7		7	7		7	7	
1/4	2,052.30	1/4	1,694.94	1/4	1,334.34	1/4	973.73	1/4	620.00	1/4	263.47	1/4		1/4	1/4		1/4	1/4	
1/2	2,044.87	1/2	1,687.43	1/2	1,326.82	1/2	966.22	1/2	612.72	1/2	255.95	1/2		1/2	1/2		1/2	1/2	
3/4	2,037.43	3/4	1,679.92	3/4	1,319.31	3/4	958.71	3/4	605.45	3/4	248.44	3/4		3/4	3/4		3/4	3/4	
8	2,029.99	8	1,672.40	8	1,311.80	8	951.19	8	598.17	8	240.92	8		8	8		8	8	
1/4	2,022.55	1/4	1,664.89	1/4	1,304.29	1/4	943.68	1/4	590.89	1/4	233.41	1/4		1/4	1/4		1/4	1/4	
1/2	2,015.11	1/2	1,657.38	1/2	1,296.77	1/2	936.17	1/2	583.61	1/2	225.89	1/2		1/2	1/2		1/2	1/2	
3/4	2,007.67	3/4	1,649.87	3/4	1,289.26	3/4	928.66	3/4	576.33	3/4	218.38	3/4		3/4	3/4		3/4	3/4	
9	2,000.23	9	1,642.35	9	1,281.75	9	921.14	9	569.05	9	210.86	9		9	9		9	9	
1/4	1,992.79	1/4	1,634.84	1/4	1,274.24	1/4	913.63	1/4	561.77	1/4	203.35	1/4		1/4	1/4		1/4	1/4	
1/2	1,985.35	1/2	1,627.33	1/2	1,266.72	1/2	906.12	1/2	554.49	1/2	195.83	1/2		1/2	1/2		1/2	1/2	
3/4	1,977.91	3/4	1,619.81	3/4	1,259.21	3/4	898.61	3/4	547.21	3/4	188.32	3/4		3/4	3/4		3/4	3/4	
10	1,970.48	10	1,612.30	10	1,251.70	10	891.09	10	539.93	10	180.80	10		10	10		10	10	
1/4	1,963.04	1/4	1,604.79	1/4	1,244.18	1/4	883.58	1/4	532.65	1/4	173.28	1/4		1/4	1/4		1/4	1/4	
1/2	1,955.60	1/2	1,597.28	1/2	1,236.67	1/2	876.07	1/2	525.37	1/2	165.77	1/2		1/2	1/2		1/2	1/2	
3/4	1,948.16	3/4	1,589.76	3/4	1,229.16	3/4	868.55	3/4	518.09	3/4	158.25	3/4		3/4	3/4		3/4	3/4	
11	1,940.72	11	1,582.25	11	1,221.65	11	861.04	11	510.80	11	150.74	11		11	11		11	11	
1/4	1,933.28	1/4	1,574.74	1/4	1,214.13	1/4	853.53	1/4	503.50	1/4	143.22	1/4		1/4	1/4		1/4	1/4	
1/2	1,925.84	1/2	1,567.23	1/2	1,206.62	1/2	846.02	1/2	496.21	1/2	135.71	1/2		1/2	1/2		1/2	1/2	
3/4	1,918.40	3/4	1,559.71	3/4	1,199.11	3/4	838.50	3/4	488.92	3/4	128.19	3/4		3/4	3/4		3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2012 CL - SW
CALCULATED: 10/24/2012 CL
PRINTED: 10/24/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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